Air Force Civil Engineer Center

DRAFT
FIFTH FIVE-YEAR REVIEW REPORT

Former Plattsburgh Air Force Base
Plattsburgh, New York

September 2019

585828

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Acronyms and Abbreviations

µg/kg	microgram per kilogram
µg/L	microgram per liter
µg/m^3	microgram per cubic meter
ABB	ABB-Environmental Services
AFB	Air Force Base
AFBCA	Air Force Base Conversion Agency
AFCEC	Air Force Civil Engineer Center
AFFF	Aqueous Film Forming Foam
AFRPA	Air Force Real Property Agency
AGE	Aerospace Ground Equipment
ARAR	applicable and/or relevant and appropriate requirement
Arcadis	Arcadis of New York, Inc.
AS	air sparge
AST	aboveground storage tank
bgs	below ground surface
BTEX	benzene, toluene, ethylbenzene, and xylenes
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
cis-1,2-DCE	cis-1,2-dichloroethene
cm/sec	centimeters per second
COC	contaminant of concern
CVOC	chlorinated volatile organic compound
DCE	1,2-dichloroethene
DDD	dichlorodiphenyldichloroethane
DDE	dichlorodiphenyldichloroethene
DDT	dichlorodiphenyltrichloroethane
EA	Environmental Assessment
E.C. Jordan	E.C. Jordan Company
FEIS	Final Environmental Impact Statement
FFA	Federal Facilities Agreement
FPM	FPM Group, Inc.
FS	feasibility study
ft/ft	foot/foot
FT002/IA GW OU	Fire Training 002/Industrial Area Groundwater Operable Unit

FT002/Source OU	Fire Training 002/Source Area Operable Unit
GAC	granular activated carbon
gpm	gallons per minute
GW	Groundwater
GWQS	groundwater quality standard
HDPE	high-density polyethylene
IC	institutional control
IRP	Installation Restoration Program
LHA	lifetime Health Advisory
LUC	land use control
mg/kg	milligram per kilogram
MTBE	methyl tert-butyl ether
NA	not applicable
NAPL	non-aqueous phase liquid
NCP	National Oil and Hazardous Substances Pollution Contingency Plan
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
OU	Operable Unit
PA	preliminary assessment
PAH	polycyclic aromatic hydrocarbon
PARC	Plattsburgh Airbase Redevelopment Corporation
PCE	tetrachloroethene
PCB	polychlorinated biphenyl
PFAS	perfluoroalkyl substances
PFOA	perfluorooctanoic acid
PFOS	perfluorooctane sulfonate
POL	Petroleum, Oil, and Lubricant
RAO	remedial action objectives
RG	remediation goal
RI	remedial investigation
ROD	Record of Decision
SCO	Soil Cleanup Objective
SI	site inspection
SOV	soil organic vapor

SVE	soil vapor extraction
SVI	soil vapor intrusion
SVOC	semivolatile organic compound
TAL	Target Analyte List
TCE	trichloroethene
TCL	Target Compound List
TOGS	Technical and Operational Guidance Series
TPH	total petroleum hydrocarbon
trans-1,2-DCE	trans-1,2-dichloroethene
USAF	United States Air Force
USEPA	United States Environmental Protection Agency
UST	underground storage tank
VOC	volatile organic compound
WSA	Weapons Storage Area

EXECUTIVE SUMMARY

The United States Air Force (USAF) has conducted a five-year review of the remedial actions implemented under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) at the Former Plattsburgh Air Force Base (AFB) in Plattsburgh, New York. This is the fifth five-year review for the base. The current five-year review is required because hazardous substances, pollutants, or contaminants remain at the site above levels that allow for unlimited use and unrestricted exposure. Five-year reviews are completed within each five-year period (e.g., five years, ten years, fifteen years) after initiation of the remedial action. This review was prepared by Arcadis of New York, Inc. (Arcadis) for the Air Force Civil Engineer Center (AFCEC), under AFCEC Contract No. FA8903-16-F-0012.

The purpose of this five-year review is to determine if the selected remedies are functioning as intended and are protective of human health and the environment. Methods, findings, and conclusions are documented in this Five-Year Review Report, which also identifies issues and makes recommendations for further action. Each of the sites included in the five-year review has a remedy in place and therefore a technical assessment of each site was performed to answer the following questions:

- Is the remedy functioning as intended by the decision documents?
- Are the exposure assumptions, toxicity data, cleanup levels, and remedial action objectives used at the time of the remedy selection still valid?
- Has any other information come to light that could call into question the protectiveness of the remedy?

Available environmental data were evaluated and summarized for the following sites:

- Fire Training Area 002/Industrial Area Groundwater Operable Unit (FT002/IA GW OU)
- SS005 - Non-Destructive Inspection Facility Soil OU
- SS006 - Aerospace Ground Equipment Facility Soil OU
- SS013 - Munitions Maintenance Squadron
- SS018/SS028 - Auto Hobby Shop and Open Storage Area
- Landfill LF021
- Landfill LF022
- Landfill LF023
- Landfill LF024
- SS041 - Building 2612

Additionally, this five-year review includes an evaluation of the Emergency Removal Action that was conducted in 2018 in response to the presence of perfluoroalkyl substances in private drinking water wells adjacent to the Former Plattsburgh AFB.

The findings of this five-year review are summarized on the Five-Year Review Summary.

Five-Year Review Summary Form

SITE IDENTIFICATION		
Site Name: Former Plattsburgh Air Force Base		
EPA ID: NY4571924774		
Region: 2	**State:** NY	**City/County:** Plattsburgh/Clinton

SITE STATUS	
NPL Status: Final	
Multiple OUs? Yes	**Has the site achieved construction completion?** No

REVIEW STATUS
Lead agency: Other Federal Agency **If "Other Federal Agency" was selected above, enter Agency name:** United States Air Force
Author name (Federal or State Project Manager): David Farnsworth
Author affiliation: Air Force Civil Engineer Center
Review period: 11/18/2014 – 11/18/2019
Date of site inspection: 7/30/2018 – 8/21/2018
Type of review: Statutory
Review number: 5
Triggering action date: 11/18/2014
Due date *(five years after triggering action date)*: 11/18/2019

Five-Year Review Summary Form (continued)

Issues/Recommendations
OUs without Issues/Recommendations Identified in the Five-Year Review:
FT002/IA GW OU, SS005, SS006, SS018, LF021, LF022, LF024, SS041

Issues and Recommendations Identified in the Five-Year Review:				
OU: SS013	**Issue Category: Remedy Performance**			
	Issue: Ozone sparging system not effective for reducing remaining groundwater contamination on site			
	Recommendation: Evaluate alternatives for remediating the site			
Affect Current Protectiveness	**Affect Future Protectiveness**	**Implementing Party**	**Oversight Party**	**Milestone Date**
No	No	USAF	NYSDEC and USEPA	Summer 2019

OU: SS028	**Issue Category: Changed Site Conditions**			
	Issue: Potential soil vapor intrusion potential if future residential use is considered			
	Recommendation: Remediate soil vapor			
Affect Current Protectiveness	**Affect Future Protectiveness**	**Implementing Party**	**Oversight Party**	**Milestone Date**
No	No	USAF	NYSDEC and USEPA	To be determined

OU: LF023	**Issue Category: Operations and Maintenance**			
	Issue: The leachate indicators alkalinity, ammonia, biological oxygen demand, boron, bromide, chemical oxygen demand, cyanide, hardness, nitrate-nitrogen, sulfate, Total Kjeldahl Nitrogen, total organic carbon, and total recoverable phenolics remain below their respective GWQS			
	Recommendation: Group A monitoring wells should be sampled for only the leachate indicators color, total dissolved solids, and chloride every five years			
Affect Current Protectiveness	**Affect Future Protectiveness**	**Implementing Party**	**Oversight Party**	**Milestone Date**
No	No	USAF	NYSDEC and USEPA	Summer 2023

Five-Year Review Summary Form (continued)

Protectiveness Statement(s)

Operable Unit:	*Protectiveness Determination:*	*Addendum Due Date (if applicable):*
FT002/IA GW OU	Protective	

Protectiveness Statement:
The remedy for the Site FT002/IA GW OU is protective of human health and the environment, and exposure pathways that could result in unacceptable risks are being controlled through the use of LUCs. Long-term protectiveness of the remedy has been and will be verified by periodic performance monitoring of the remediation systems, base-wide groundwater monitoring, and annual site inspections.

Operable Unit:	*Protectiveness Determination:*	*Addendum Due Date (if applicable):*
SS005	Protective	

Protectiveness Statement:
The remedy for the Site SS005 Soil OU is protective of human health and the environment. There are no significant threats to human health or the environment from soils at the site based on its current non-residential use (Malcolm Pirnie 1996). Groundwater beneath the site is included in the Site FT002/IA GW OU. Exposure pathways that could result in unacceptable risks are being controlled by LUCs that limit site development to non-residential use and prohibit the use of groundwater underlying the site.

Operable Unit:	*Protectiveness Determination:*	*Addendum Due Date (if applicable):*
SS006	Protective	

Protectiveness Statement:
The remedy for the Site SS006 Soil OU is protective of human health and the environment. There are no significant threats to human health or the environment from soils at the site based on its current non-residential use (Malcolm Pirnie 1996). Groundwater beneath the site is included in the FT-002/IA GW OU. Exposure pathways that could result in unacceptable risks are being controlled by LUCs that limit site development to non-residential use and prohibit the use of groundwater underlying the site.

Five-Year Review Summary Form (continued)

Protectiveness Statement(s)		
Operable Unit: SS013	*Protectiveness Determination:* Protective	*Addendum Due Date (if applicable):*
Protectiveness Statement: The remedy for Site SS013 currently protects human health and the environment because groundwater contamination appears to be contained on site and is not reaching the adjacent surface waters. LUCs are also in place to restrict groundwater use. For the remedy to be protective in the long term, the actions recommended in Section 6.7 need to be taken.		

Operable Unit: SS018/SS028	*Protectiveness Determination:* Protective	*Addendum Due Date (if applicable):*
Protectiveness Statement: The remedy for Sites SS018 and SS028 is protective of human health and the environment. Exposure pathways that could result in unacceptable risks (i.e., through residential use) are being controlled by LUCs which remain in place and are being enforced. Groundwater contaminant concentrations have reduced over time to less than regulatory standards and a Remedial Action Report was completed in 2012 (URS 2012).		

Operable Unit: LF021	*Protectiveness Determination:* Protective	*Addendum Due Date (if applicable):*
Protectiveness Statement: The remedy for LF021 is protective of human health and the environment. Exposure pathways that could result in unacceptable risks are being controlled. Threats at the site have been addressed by installing a soil cover over contaminated fill, installing fencing and warning signs around the landfill, and implementing ICs. Long-term protectiveness of the remedy has been and will continue to be verified by groundwater monitoring and site inspections.		

Operable Unit: LF022	*Protectiveness Determination:* Protective	*Addendum Due Date (if applicable):*
Protectiveness Statement: The remedy for LF022 is protective of human health and the environment. Exposure pathways that could result in unacceptable risks are being controlled. Threats at the site have been addressed by installing a soil cover over contaminated fill, installing fencing and warning signs around the landfill, and implementing ICs. Long-term protectiveness of the remedy has been and will continue to be verified by groundwater monitoring and site inspections.		

Five-Year Review Summary Form (continued)

Protectiveness Statement(s)

Operable Unit:	*Protectiveness Determination:*	*Addendum Due Date (if applicable):*
LF023	Protective	

Protectiveness Statement:
The remedy for LF023 is protective of human health and the environment. Exposure pathways that could result in unacceptable risks are being controlled. Threats at the site have been addressed by installing a cap over contaminated fill, installing fencing and warning signs around the landfill, and implementing ICs. Long-term protectiveness of the remedy has been and will continue to be verified by groundwater, surface water, and landfill gas monitoring and site inspections.

Operable Unit:	*Protectiveness Determination:*	*Addendum Due Date (if applicable):*
LF024	Protective	

Protectiveness Statement:
The remedy for LF024 is protective of human health and the environment. Exposure pathways that could result in unacceptable risks are being controlled. Threats at the site have been addressed by installing a cap over contaminated fill, installing fencing and warning signs around the landfill, and implementing ICs. Long-term protectiveness of the remedy has been and will continue to be verified by groundwater monitoring and site inspections.

Operable Unit:	*Protectiveness Determination:*	*Addendum Due Date (if applicable):*
SS041	Protective	

Protectiveness Statement:
The remedial action specified by the SS041 ROD to remove cadmium- and chromium-contaminated soil has been completed. The remedy at SS041 is protective of human health and the environment and exposure pathways that could result in unacceptable risks have been controlled.

Notes:
IC = institutional control
LUC = land use control
NYSDEC = New York State Department of Environmental Conservation
ROD = Record of Decision
SVE = soil vapor extraction
USAF = United States Air Force
USEPA = United States Environmental Protection Agency

1 INTRODUCTION

The purpose of a Five-Year Review is to evaluate the implementation and performance of a remedy in order to determine if the remedy is and will continue to be protective of human health and the environment. The methods, findings, and conclusions of reviews are documented in five-year review reports such as this one. In addition, Five-Year Review reports identify issues found during the review, if any, and document recommendations to address them.

The United States Air Force (USAF) is preparing this five-year review pursuant to the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Section 121, consistent with the National Contingency Plan (NCP)(40 CFR Section 300.430(f)(4)(ii)).

This is the fifth Five-Year Review for the Former Plattsburgh Air Force Base (AFB) located in Plattsburgh, New York (Figure 1-1). As a result of the USAF activities, hazardous substances were released into the environment at the Former Plattsburgh AFB. The USAF Installation Restoration Program (IRP) currently includes a total of 41 separate sites at the Former Plattsburgh AFB that are shown on Figure 1-2. The FYR has been prepared due to the fact that hazardous substances, pollutants, or contaminants remain at the Former Plattsburgh AFB above levels that allow for unlimited use and unrestricted exposure. Five-year reviews are completed within each five-year period (e.g., five years, ten years, fifteen years) after initiation of the remedial action (i.e., September 30, 1992). The Five-Year Review reporting schedule has been historically conducted off-cycle; therefore the Sixth Five-Year Review will be completed by September 30, 2022 so that the reports realign with five-year increments from initiation of the remedial action.

1.1 Sites Subject to Five-Year Review

The following eleven IRP sites have ROD-selected remedies that are in place and subject to five-year reviews, which are provided in Sections 3 through 12 of this report:

- FT002/IA GW OU (URS 2003b, 2014b)
- SS005 - Non-Destructive Inspection Facility Soil OU (URS 1998a)
- SS006 - Aerospace Ground Equipment Facility Soil OU (URS 1998b)
- SS013 - Munitions Maintenance Squadron (URS 2008c)
- SS018/SS028 - Auto Hobby Shop and Open Storage Area (URS 2000)
- Landfill LF021 (URS 1997b)
- Landfill LF022 (ABB-Environmental Services [ABB] 1992a)
- Landfill LF023 Source Area (ABB 1992e) and Landfill LF023 Groundwater, Surface Water, and Sediment (URS 1995a) and Groundwater, Surface Water, and Sediment (URS 1995a)
- Landfill LF024 (URS 1997c)

- SS041 (Formerly SD041) - Building 2612 (FPM 2012)

Additionally, Section 13 contains an evaluation of the Emergency Removal Action that was conducted in 2018 in response to the presence of perfluoroalkyl substances (PFAS) in private drinking water wells adjacent to the Former AFB.

The remaining IRP sites at the Former Plattsburgh AFB are not evaluated as part of this five-year review because the site either requires no further remedial action or is evaluated under the oversight of the NYSDEC. Evaluation of the fuel-spill sites with active remediation and/or LUCs in place is presented in a separate report for the Air Force's files. The recommendation to close Site FT002 Source Area OU was made in the Third and Fourth Five-Year Review Reports (URS 2009b, 2014). Decommissioning of the remediation system components at the FT002 Source OU was completed between September and December 2015 as described in the Remedial Action Completion Report (URS 2016c).

1.2 Report Organization

This Five-Year Review Report generally follows the United States Environmental Protection Agency (USEPA)'s Comprehensive Five-Year Review Guidance (USEPA 2001) and the 2016 Five-Year Review recommended template. Section 2 provides general background information for the Former Plattsburgh AFB, and information pertaining to the five-year review process that is applicable to all of the sites reviewed. Sections 3 through 13 provides detailed information for each site on base that is addressed in the five-year review including:

- Site chronology and site background information
- Discussion of remedial actions at the site
- Progress since the last five-year review, if applicable, such as status of prior issues and recommendations
- Technical assessment of each site
- Issues identified during the current review
- Recommendations and follow-up actions
- Protectiveness statements.

2 FORMER PLATTSBURGH AFB BACKGROUND

2.1 History

The former Plattsburgh AFB is located in Clinton County in northeastern New York State. The base is bordered by the City of Plattsburgh to the north, the Salmon River to the south, Interstate 87 to the west, and Lake Champlain to the east (Figure 1-1). The base is situated approximately 26 miles south of the Canadian Border and 167 miles north of Albany, New York. The Plattsburgh AFB served as a tactical wing in the Air Force Strategic Air Command from 1955 to 1991. In 1991, the bombardment wing was removed, and in 1992, operations were realigned to form the 380th Air Refueling Wing under the Air Force Air Mobility Command. The base was closed in 1995 under the Defense Base Realignment and Closure Act of 1993. The former base is currently home to the Plattsburgh International Airport.

The Plattsburgh AFB initiated activities to identify, evaluate, and remediate identified hazardous materials sites as part of the USAF's Installation Restoration Program and BRAC Program, which involves investigation and cleanup under CERCLA. The IRP is being implemented according to FFA, Docket No. II-CERCLA-FFA-10201, signed between the USAF, USEPA, and NYSDEC on July 10, 1991. The former Plattsburgh AFB was placed on the National Priorities List on November 21, 1989 (USEPA ID#NY4571924774).

2.2 Geology/Hydrogeology

The former Plattsburgh AFB is characterized by gently sloping topography, predominantly eastward toward Lake Champlain, but secondarily toward the Saranac and Salmon Rivers. Four stratigraphic units underlie the former Plattsburgh AFB: glaciomarine and glaciolacustrine sand (sand unit); glaciomarine and glaciolacustrine silt and clay (clay unit); glacial till (till unit); and bedrock. This stratigraphic sequence is consistent basewide, although the thicknesses of the individual units vary (URS 2003b). A generalized cross section is shown on Figure 2-1.

Hydrogeologically, the stratigraphic sequence can be divided into the following units: an unsaturated zone and a water table aquifer present in the sand unit; a clay confining layer; a confined till water-bearing zone; and a confined bedrock aquifer (URS 2003b). The underlying clay layer forms a low permeability confining layer that separates the unconfined water table aquifer in the sand from the glacial till, which is a water-bearing zone, and the bedrock aquifer. Thus far, groundwater contamination has been limited to the water table aquifer (URS 2001a).

Groundwater flow is from west to east, toward Lake Champlain, with some areas having a more southeasterly flow direction. Groundwater elevation contours for the Site FT002 IA/GW OU, which encompasses a large portion of former Plattsburgh AFB, from March 2018 are presented on Figure 2-2. Downward groundwater migration is restricted by a low-permeability clay unit, which appears to be continuous beneath the sand aquifer (URS 2001a).

A network of on-base drainage ways carries surface water runoff into sewers and streams that ultimately discharge into the Saranac and Salmon Rivers and Lake Champlain. Surface water (and discharging groundwater) on the western side of the base predominantly flows southward into the large topographic

basin where the Weapons Storage Area (WSA) is located and is discharged into the Salmon River. Surface water (and groundwater intercepted by leaking storm sewers) within the central industrial area of the base predominantly flows to the east and southeast into the Golf Course drainage streams and is discharged into Lake Champlain (URS 2001a).

2.3 Land Use/Reuse

Land use near the Former Plattsburgh AFB includes residential, commercial, industrial, and recreational uses. The City of Plattsburgh is located to the north of the base. Lands to the east, west, and south of the base are predominantly rural and residential. As of September 2012, all of the property within the former base boundary has been transferred from the USAF to public and private use. The proposed land use for the former Plattsburgh AFB is shown on Figure 2-3.

2.4 Water Usage

Potable water is obtained from the City of Plattsburgh municipal water system, so there are no drinking water wells located on base. Institutional controls (ICs) to prohibit the installation of wells for drinking water or any other use have been included in the selected remedies for those sites on base that are impacted by groundwater contamination. Although groundwater is not used as a source of potable water on base, there are, however, approximately 2,000 people within about 3 miles of the base that obtain drinking water from private wells. Nearby off-base water supplies include the homes along Kemp Lane; a residential development on old Route 22, near the Route 22 and I-87 interchange; and residences along Route 9, north of the Salmon River and south of Cliff Haven (Figure 2-4). As of the date of this Five-Year Review Report, no contamination is known to have migrated beyond the base boundaries via groundwater.

2.5 Site Inspections

The USAF conducted visual site inspections of the sites between July 30 and August 21, 2018 to confirm compliance with land use controls (LUCs). LUCs contain two subcategories: ICs and engineering controls (e.g., fences, warning signs). Confirming the compliance of LUCs consists of visual inspection of each site with established LUCs and coordination with current owners to provide annual certification that the LUCs remain in place and have not been violated. The findings of the inspections are documented in the Land Use Control/Institutional Controls – 2018 Compliance Monitoring Report (Arcadis 2019a). No observations were made during the site inspections that indicated ROD requirements were being violated or that would call into question the protectiveness of the site remedies. Figures depicting the areas subject to LUCs and copies of the inspection forms are included as Appendix A.

2.6 Interviews

Interviews were not conducted in preparation for this document since interviews had already been conducted during the records search phase of the IRP program; however, public comments were solicited through the community notification process for this five-year review (Section 2.7).

2.7 Community Involvement

A public notice announcing the initiation of this five-year review was placed in the Plattsburgh Press Republican newspaper on May 14, 2019. A brief presentation regarding the five-year review was also provided at the December 11, 2018 Restoration Advisory Board meeting held in Plattsburgh. A second public notice will be published announcing the completion of the five-year review. A copy of the Five-Year Review Report will be made available for public review at the following address:

Air Force Civil Engineer Center
8 Colorado Street, Suite 121
Plattsburgh, New York 12903

A copy of the document will also be placed in the former Plattsburgh AFB Administrative Record which is available online at: http://www.afcec.af.mil/library/administrativerecord/index.asp. The former Plattsburgh AFB Administrative Record contains copies of the documents used to prepare the Five-Year Review Report.

2.8 Technical Assessments

A technical assessment was made of each site subject to five-year review to develop appropriate answers the following three questions:

- Question A: Is the remedy functioning as intended by the decision document?
- Question B: Are the exposure assumptions, toxicity data, cleanup levels, and remedial action objectives used at the time of the remedy selection still valid?
- Question C: Has any other information come to light that could call into question the protectiveness of the remedy?

Question A was answered for each site based on review of the remedial action objectives established by the ROD, evaluation of current remedial performance data, and progress toward remediation goals (RGs) for each site.

Question B was answered for each site by assessing whether or not there have been significant changes in the exposure assumptions, toxicity data, cleanup levels, and remedial action objectives that formed the basis for selecting the remedy in the ROD. For instance, promulgated standards, that were the basis of RGs or cleanup standards established in the ROD, were evaluated for any changes since the last Five-Year Review Report (URS 2014d) that could have an impact on the remedy. Additionally, the toxicity data and exposure parameters that could affect an earlier finding were also reviewed for changes since the last Five-Year Review Report.

Question C was answered for each site by considering other information that could potentially impact the remedy's protectiveness, such as changes in land use since remedy was selected and/or since the last five-year review.

The findings of the technical assessments are provided in Section 3 through 13.

3 FIRE TRAINING AREA/INDUSTRIAL AREA GROUNDWATER OPERABLE UNIT

3.1 Site Overview

The boundary of the Site FT002/IA GW OU encompasses 980 acres in the central portion of the former Plattsburgh AFB, including approximately half of the runway, most of the flightline, a portion of the base industrial area, and a portion of the base golf course (Figure 3-1). The Site FT002/IA GW OU addresses contaminated groundwater at and downgradient of the former fire training area (FT002) and groundwater at or near six other IRP sites situated in the base's industrial area that formerly supported aircraft maintenance and operations (Figure 3-1). These six IRP sites were combined with the groundwater portion of the FT002 Site because they lie downgradient from FT002 and groundwater contamination that originated at FT002 is currently co-mingling with, or could potentially co-mingle with, groundwater beneath these sites. The following IRP sites are included in the Site FT002/IA GW OU:

- SS004 (Flightline)
- SS005 (Non-destructive Inspection Facility)
- SS006 (Aerospace Ground Equipment Facility)
- SS011 (Defense Reutilization and Marketing Office)
- SS017 (Jet Engine Inspection and Maintenance Shop)
- SS041 (Building 2612).

Cleanup of contaminated soils at the six sites listed above are also being addressed as separate OUs. Separate RODs have been issued for each of these sites.

A geologic cross section from west to east through the Site FT002/IA GW OU from the former fire training area to the eastern base boundary is shown on Figure 2-1. The geology represented by this cross section is described in Section 2.2.

The projected reuse of the Site FT002/IA GW OU is as an airfield, aviation support, commercial, industrial, and public/recreational area (i.e., golf course) (Figure 2-3). Currently, the Plattsburgh International Airport occupies approximately 50% of the OU. Current use of the remainder of the OU conforms to the projected reuse. An IC is assigned to the OU prohibiting future residential reuse. Groundwater is not being used.

3.2 Basis for Taking Action

3.2.1 Site Background

The former base fire training area (FT002 Source OU) is located approximately 500 feet west of the runway and 500 feet from the base's western boundary (Figure 3-1). From the mid- to late-1950s through

1989, the site was used to meet the training requirements of the base fire department. During training exercises, fires were ignited in fire training pits on site. As a result of releases of combustible liquids (e.g., off-specification fuel and waste solvents) into the pits, the soil and groundwater at the fire training area, as well as downgradient groundwater, were contaminated with a variety of organic chemicals (URS 2001a).

Key historical events related to the Site FT002/IA GW OU are summarized in Table 3-1.

Table 3-1 – Site FT002/IA GW OU Chronology

Date	Event	Description
1984-1985	PA (Radian 1985)	Search of historical records for FT002
1987	SI (E.C. Jordan Company [E.C. Jordan] 1989)	Limited soil and groundwater sampling at FT002
1989-1993	FT-002 Groundwater OU RI (ABB and URS 1994)	Evaluation of groundwater contamination attributed to the FT002 Source OU
1995-2001	FT-002/IA Groundwater OU RI/FS (URS 2001a)	Comprehensive groundwater investigation and evaluation of remedial alternatives
2003	FT-002/IA Groundwater OU Interim Record of Decision (ROD) (URS 2003b)	ROD allowed for implementation of engineered portions of selected groundwater remedy
2006-2008	Soil Vapor Intrusion Study (URS 2008a, 2009a, 2014c)	Evaluation of potential for contaminants to volatilize from groundwater and migrate into 14 industrial area buildings. As a result of this study, soil vapor extraction (SVE) systems were installed at three of the buildings (2753, 2766, and New Building C) and use restrictions related to SVI have been included in the selected remedy for the FT002/IA GW OU.
2014	Final FT-002/IA Groundwater ROD (URS 2014c)	Describes the final as-implemented remedy

3.2.2 Constituents of Concern

The ROD identified the primary contaminants of concern in groundwater as the fuel-related VOCs BTEX and three chlorinated hydrocarbon compounds (i.e., TCE, 1,2-DCE and vinyl chloride) (URS 2014c). While the ROD did not also specify COCs in soil vapor, SVI sampling has identified the presence of chlorinated hydrocarbon compounds [i.e., tetrachloroethene (PCE) and TCE] in soil vapor at unacceptable risk levels.

3.2.3 Risk Assessments

The 1994 RI Report (ABB and URS 1994) evaluated human health risks associated with residential use of groundwater and concluded that excess cancer and non-cancer risks were higher than USEPA acceptable levels. The subsequent FT002/IA GW OU RI/Feasibility Study (FS) (URS 2001a) evaluated the human health risks associated with volatilization of contaminants from groundwater within the plume, migration of the vapors into buildings, and the subsequent inhalation of the vapors by indoor workers. It also evaluated inhalation of vapors by outdoor workers from surface water impacted by groundwater during outdoor activities. The risk assessment concluded that volatilization and subsequent inhalation of vapors from groundwater and surface water was not an issue.

A screening-level ecological risk assessment was completed as part of the 2001 RI (URS 2001a) and concluded that exposure to surface water on base did not pose a significant risk to potential receptors.

3.3 Response Action Summary

3.3.1 Remedy Selection

An Interim ROD for the Site FT002/IA GW OU was signed in June 2003 (URS 2003b). The Interim ROD allowed for implementation of the physical components of the selected remedy while negotiations were ongoing between the USEPA and the Department of Defense on a national level concerning the development and implementation of LUCs.

The four remedial action objectives cited in the June 2003 Interim ROD for the Site FT002/IA GW OU (URS 2003b) are to:

1. Prevent ingestion of groundwater containing contaminant concentrations above applicable or relevant and appropriate requirements (ARARs)
2. Restore impacted groundwater to ARARs
3. Prevent migration of groundwater with contaminant concentrations above ARARs beyond base boundaries
4. Restore surface water that has been impacted by contaminated groundwater to ARARs.

To address the potential for SVI at unacceptable risk levels, a fifth remedial action objective was added later in the Final ROD (URS 2014c), which was to:

5. Prevent human exposure to soil gas vapor levels within buildings at unacceptable levels represented by an excess cancer risk greater than $1x10^{-6}$ and also represented by a potential noncancer risk for a hazard index greater than 1.

Groundwater and surface water RGs (NYSDEC 1998) for the Site FT002/IA GW OU are shown in Table 3-2.

Table 3-2 – Site FT002/IA GW OU Groundwater and Surface Water Remediation Goals

Contaminant	Groundwater Remediation Goal (µg/L)	Surface Water Remediation Goal (µg/L)
Benzene	1	10
DCE	5	NV
Ethylbenzene	5	NV
Toluene	5	6,000
TCE	5	40
Vinyl Chloride	2	NV
Total Xylenes	5	NV

Note:
NV = no value

The selected remedy in the June 2003 Interim ROD (URS 2003b) included the following components:

- Groundwater collection trench, 3,800 feet long, located between the runway and the flightline ramp
- Five groundwater extraction wells located downgradient of the Site FT002 Source OU
- Aeration basin to treat contaminated water from the runway/flightline collection trench and the extraction wells to levels less than effluent discharge criteria
- 4,400-foot-long groundwater collection trench located on the east side of the flightline ramp
- 2,900-foot-long permeable treatment wall containing reactive media (iron filings) located along Idaho Avenue
- 800-foot-long permeable treatment wall containing reactive media (iron filings) located on the west side of the runway, upgradient of the former WSA
- Groundwater and surface water monitoring
- Five-Year Site Reviews
- LUCs to prohibit withdrawal of groundwater for potable use, to control discharge of groundwater withdrawn during construction activities, and to prohibit land use that interferes with remedial operations.

The proposed remedy included a contingency to select a groundwater collection trench along Idaho Avenue instead of a permeable reactive barrier. The decision to use a permeable reactive barrier or a collection trench was to be made jointly by the USAF, USEPA, and NYSDEC during the design process. The proposed remedy also included a contingency to treat the effluent discharge from the groundwater collection trench on the east side of the flightline ramp, as well as the Idaho Avenue groundwater collection trench. If effluent sampling, conducted after construction, showed discharge criteria exceedances, then the contingency to treat the water would be implemented.

3.3.2 Remedy Implementation

After the 2003 Interim ROD was signed (URS 2003b), the following changes were made to the selected remedy during its design and implementation and were included in the 2014 Final ROD (URS 2014c):

- Groundwater treatment plant replaced the proposed aeration basin to treat contaminated water from the extraction wells and the collection trench between the runway and flightline
- Groundwater collection trench replaced the permeable treatment wall along Idaho Avenue
- Permeable treatment wall at the WSA was eliminated
- Aeration system was added to treat the discharge water from the collection trench along the east side of the flightline
- SVE systems were installed at Building 2753, 2766, and New Building C
- The LUCs from the 2003 interim ROD were incorporated into a final remedy in the 2014 Final ROD and a new LUC was added to address the restrictions related to SVI.

- Five-Year Review was eliminated as a remedy component.

The five-year review is an independent requirement of Section 121(c) of CERCLA, rather than a component of the chosen remedy. Performing the five-year review is required by Section 121(c) of CERCLA; therefore, it does not need to be specifically included as part of the remedy.

The physical components of the 2003 Interim Remedy with the changes noted above were selected as part of the final remedy for Site FT002/IA GW OU per the Final ROD signed in September 2014 (URS 2014c). Measures to address the SVI pathway were not originally part of the remedy selected in the 2003 Interim ROD, rather they were added at the request of the NYSDEC and USEPA following the SVI study conducted between 2006 and 2008. Based on regulatory concerns, LUCs related to SVI and operation of SVE systems at Building 2753, Building 2766, and New Building C were added to the remedy.

The final constructed remedy for Site FT002/IA GW OU includes the following components:

- Groundwater collection trench between the runway and flightline (Runway/Flightline Collection Trench)
- Five groundwater extraction wells located downgradient of the Site FT002 Source OU
- Groundwater treatment system to treat contaminated groundwater from the extraction wells and the Runway/Flightline Collection Trench
- Groundwater collection trench just east of the flightline (East Flightline Collection Trench) whose discharge is treated by a pond aeration system
- Groundwater collection trench along Idaho Avenue (Idaho Avenue Collection Trench)
- SVE systems installed in Building 2753, Building 2766, and New Building C
- Groundwater and surface water monitoring
- LUCs to prohibit the use of groundwater, restrict the discharge of groundwater, prohibit development that would interfere with remedial operations or penetrate the subsurface clay confining layer, limit current use and future property development to non-residential uses, use restrictions related to soil vapor intrusion, and an occupancy restriction for Building 2612.

Operation of the groundwater treatment system for the Runway/Flightline Collection Trench and the extraction wells began in January 2004. The southern half of the East Flightline Collection Trench became operational in September 2003; it was fully operational in January 2005. The Idaho Avenue Collection Trench was completed and became fully operational in February 2005. The aeration system to treat the discharge from the East Flightline collection trench began operating in August 2010 and the three SVE systems began operating in December 2009 (Building 2753), and December 2010 (Building 2766 and New Building C).

The selected remedy for Site FT002/IA GW OU includes LUCs, which were established in the ROD and implemented through deed restrictions. Per the 2003 Interim ROD, LUCs related to groundwater use and discharge applied to the entire area designated as the Site FT002/IA GW. In January 2012, the USAF, NYSDEC, and USEPA agreed to reduce the size of the groundwater use restriction area within the overall OU. An added non-residential use restriction also applies to this same area. Similarly, it was also agreed

to establish a separate boundary for SVI restrictions. Both the groundwater use/non-residential use boundary and the SVI boundary are based on a reduction in the size of the groundwater plumes subsequent to implementing the 2003 Interim Remedy.

In addition to incorporating the LUCs listed in the June 2003 Interim ROD, LUCs to limit property development and function of the site to non-residential uses and prohibiting penetration of the clay confining layer underlying the sand aquifer on site have also been added to the remedy. The LUCs are described in detail in Section 12 of the Final ROD (URS 2014b).

3.3.3 System Operation

Groundwater remediation of the Site FT002/IA GW OU plume is ongoing. The Runway/Flightline, East Flightline, and Idaho Avenue groundwater collection trenches are online and the aeration pond associated with the East Flightline Collection Trench is operating. The five groundwater extraction wells and the groundwater treatment plant were deactivated in September 2014.

The SVE systems began operating in December 2009 (Building 2753), and December 2010 (Building 2766 and New Building C). Remediation progress sampling indicated decreased concentrations of VOCs in sub-slab soil vapor samples, so the three systems were shut down in February 2014. A portion of the SVE system in Building 2753 was restarted in the first quarter of 2018 after TCE was measured in a sub-slab soil vapor sample during the 2016 and 2017 remediation progress sampling events.

Samples of the groundwater discharged to surface waters from the three collection trenches are monitored periodically to verify compliance with discharge criteria established by NYSDEC. To monitor remediation progress within the groundwater plume, groundwater samples are collected periodically from a base-wide network of approximately 50 wells and analyzed for VOCs. From 2004 until 2012, the samples were collected annually; samples are currently collected every fifth quarter to evaluate whether or not there is any seasonal variation in the analytical results.

Annually, the USAF conducts a visual inspection to verify that the LUCs are not being violated and the current owners of property within the area subject to the LUCs are required to verify compliance with the LUCs. No deficiencies were noted during the last annual inspection, as discussed in Section 3.5.2.

3.4 Progress Since the Last Five-Year Review

This section includes the protectiveness determinations and statements from the last five-year review (Table 3-3; URS 2014d) as well as the recommendations from the last five-year review and the current status of those recommendations (Table 3-4).

Table 3-3 – Site FT002/IA GW OU Protectiveness Determinations/Statements from the 2014 Five-Year Review

Protectiveness Determination	Protectiveness Statement
Protective	The remedy for the FT-002/IA GW OU is protective of human health and the environment, and exposure pathways that could result in unacceptable risks are being controlled through the use of LUCs. Long-term protectiveness of the remedy has been and will be verified by periodic performance monitoring of the remediation systems, annual base-wide groundwater monitoring and annual site inspections.

Table 3-4 – Site FT002/IA GW OU Status of Recommendations from the 2014 FYR

Issue	Recommendations	Current Status	Current Implementation Status Description	Completion Date (if applicable)
Downgradient migration of groundwater contaminants no longer occurring; extraction wells are not needed.	Decommission the five groundwater extraction wells that are part of the remedy	Completed	Approval for decommissioning of the five wells was obtained from NYSDEC in September 2014	September 26, 2014
Influent concentrations to the groundwater treatment plant are less than the ROD surface water remediation goals and are at or less than the NYSDEC discharge criteria	Shut down the treatment plant and discharge groundwater from the Runway/Flightline collection trench to surface water; monitor concentrations in the discharge at a frequency to be determined	Completed	Discharge sampling conducted at surface water outfall in accordance with discharge permit equivalent	The treatment plant was shutdown on May 7, 2015. Discharge compliance sampling at surface water outfall was initially completed weekly but then the frequency was reduced to quarterly.
Influent concentrations to the groundwater treatment plant are less than the ROD surface water remediation goals and are at or less than the NYSDEC discharge criteria	Update groundwater model and prediction of time to reach groundwater quality standards within the plume	No longer applicable	Not applicable	Not applicable

3.5 Five-Year Review Process

3.5.1 Document and Analytical Review

The primary objective for the Site FT002/IA GW OU remedy is to remediate the dissolved-phase groundwater contamination to levels below GWQSs while preventing off-base migration of dissolved-phase contaminants exceeding those standards. The Site FT002/IA GW OU remedy addresses groundwater contamination that originally extended more than a mile downgradient to the east from the Site FT002 Source OU. The objective of the remedial approach at Site FT002 Source OU was to clean up contaminated soil and recover floating free-phase product in order to eliminate a continuing source for the dissolved-phase groundwater contamination. On July 17, 2008, the Site FT002 Source OU remediation systems were deactivated with regulatory agency approval based on the apparent achievement of the Site FT002 Source OU remedial action objectives. Subsequent monitoring of wells within, and downgradient of, the Site FT002 Source OU did not indicate any definitive additional impact on the Site FT002/IA GW OU dissolved-phase groundwater contaminant plume. Decommissioning of the remediation system components at the Site FT002 Source OU was completed between September and December 2015 as described in the Remedial Action Completion Report (URS 2016c).

3.5.1.1 Contaminant Distribution in Groundwater

To evaluate the progress of the groundwater remediation at Site FT002/IA GW OU, groundwater samples have been collected periodically from a network of approximately 50 wells. The latest sampling event occurred in March/April 2018. The analytical results and isoconcentration contours from March/April 2018 for individual BTEX and chlorinated volatile organic compounds (CVOCs), the primary contaminants of concern (COCs), are presented on Figures 3-2 and 3-3, respectively. Graphs depicting the historical data trends in monitoring wells of these constituents are provided in Appendix B. The sizes of the BTEX and CVOC plumes have been steadily decreasing over time, indicating that biological degradation and bulk attenuation are occurring at a rate significant enough to prevent further downgradient migration.

BTEX compounds are localized to three areas: 1) the Site FT002 Source OU; 2) around monitoring well MW-GWOU-15; and 3) proximal to former Pump House 3 (i.e., monitoring wells MW-PH3-E6 and MW-PH3-G5). The former aircraft-fuel Pump House 3 is located to the south of the Runway/Flightline Collection Trench and is where a fire and fuel spill occurred in 1968. This small area is not an extension of the Site FT002/IA GW OU plume; the wells near Pump House 3 were not sampled during the Site FT002/IA GW OU RI/FS, but several of the wells are included in the sampling events for the Site FT002/IA GW OU. USTs and contaminated soil at this site were removed in 1994 and a groundwater investigation later occurred in 2001 after the RI/FS was finalized. The report of this investigation (URS 2001d) concluded that BTEX contamination in groundwater at Pump House 3 was limited in extent to within about 450 feet of the former pump house and probably at an equilibrium state based on the age of the spill (more than 30 years). Active remediation of the BTEX plume was not recommended, and the NYSDEC Region 5 agreed (URS 2014b).

On November 3, 2017, an absorbent sock was deployed in the well to absorb NAPL that may enter well MW-PH3-G5. In March 2018, less than 0.01 foot of NAPL was detected in the well. On March 28, 2018,

during the event when the HydraSleeve™ devices in other site wells were being retrieved, NAPL was detected in MW-PH3-G5 at a thickness of 0.01 foot. A re-gauging of the well on April 18, 2018 did not detect a measurable amount of NAPL, but visible sheen was confirmed via a bailer lowered into the top of the water column and then retrieved and inspected. During the March/April 2018 groundwater sampling event, a sample was not collected from MW-PH3-G5 due to an observation of non-aqueous phase liquid (NAPL) in the well. NAPL was historically measured in MW-PH3-G5 at a maximum thickness of 0.08 foot (December 6, 2012), and routine NAPL measurements were collected between December 2, 2012 and December 28, 2015 but were discontinued after NAPL detections became infrequent.

The chlorinated hydrocarbon plume has not migrated any farther to the southeast than its 2001 boundary. CVOC compounds are present in two areas of Site FT002/IA GW OU: 1) from the FT002 Source Area along the length of the Runway/Flightline Collection Trench; and 2) within the vicinity of the Idaho Avenue Collection Trench (Figure 3-3). In addition to the obvious reduction in plume size, contaminant concentrations in influent water samples at the groundwater treatment plant, influent/effluent concentrations at the East Flightline collection trench, and effluent samples from the Idaho Avenue collection trench also provide an indication of the effectiveness of the remediation to date.

3.5.1.2 Groundwater Extraction Wells

The groundwater extraction wells were deactivated in September 2014 because downgradient migration of groundwater contaminants from the FT002 Source OU is no longer occurring.

3.5.1.3 Groundwater Treatment Plant

The groundwater treatment plant was deactivated in May 2015. Influent concentrations to the groundwater treatment plant were below the ROD surface water RGs and at or below the NYSDEC discharge criteria. Therefore, treatment of groundwater from the Runway/Flightline collection trench was determined to no longer be necessary. The recommendation was made to shut down the groundwater treatment plant and discharge groundwater from the Runway/Flightline collection trench directly to the WSA stream with concentrations of the discharge routinely monitored.

3.5.1.4 Runway/Flightline Collection Trench

The Runway/Flightline Collection Trench is approximately 3,800 feet long and located between the runway and the flightline ramp. The Runway/Flightline Collection Trench was installed at depths of approximately 10 to 50 feet below grade within the upper water table aquifer. Following deactivation of the groundwater treatment plant, Runway/Flightline Collection Trench water has been discharged to the unnamed stream located at the former WSA.

Cis-1,2-dichloroethene (cis-1,2-DCE) and TCE have been identified as the COCs at this outfall. A trend graph of cis-1,2-DCE and TCE following deactivation of the groundwater treatment plant is provided in Appendix B. Discharge compliance samples associated with the Runway/Flightline Collection Trench indicated that this outfall was in compliance with the current discharge criteria of 10 µg/L for each compound since August 2015.

3.5.1.5 East Flightline Collection Trench

The East Flightline Collection Trench is approximately 4,400 feet long and located on the east side of the flightline. The trench was installed within the upper water table aquifer at depths of approximately 10 to 30 feet below grade. Groundwater intercepted by this trench discharges via gravity to a manhole that also accepts stormwater from two drainage pipes before emptying into an aeration pond. Water treated by the aeration pond is then discharged into the former Plattsburgh AFB Golf Course drainage system and ultimately flows into Lake Champlain, located approximately 2,000 feet downstream from the base.

Discharge compliance samples are routinely collected from the influent and effluent of the aeration basin. In 2017, acetone, cis-1,2-DCE, trans-1,2-dichloroethene (trans-1,2-DCE), and TCE, were the only VOCs detected in the samples collected from the trench outfall (i.e., influent of the aeration basin). The four compounds were measured at concentrations less than the applicable standard (Arcadis 2019b).

Cis-1,2-DCE and TCE have been identified as the COCs at this outfall (i.e., effluent of the aeration basin). A trend graph of cis-1,2-DCE and TCE is provided in Appendix B. This outfall has remained in compliance with the current discharge criteria of 10 µg/L for each compound since 2013, with the exception of TCE exceedances in February 2014 and December 2014.

3.5.1.6 Idaho Avenue Collection Trench

The Idaho Avenue Collection Trench consists of a northern and southern segment. The northern segment is approximately 1,400 feet in length and extends along the western side of Idaho Avenue, beginning south of Connecticut Avenue. The southern segment extends northeast approximately 475 feet along Idaho Avenue from the existing railroad crossing. The Idaho Avenue Collection Trench was installed at depths of approximately 10 to 20 feet below grade within the upper water table aquifer. Groundwater intercepted by this trench flows through the Barracks Golf Course via a small stream, which eventually coalesces into the same larger stream used by the East Flightline Collection Trench discharge.

Cis-1,2-DCE, TCE, and ammonia have been identified as the COCs at this outfall. This outfall has remained in compliance with the current discharge criteria of 10 µg/L for cis-1,2-DCE and TCE and 16 µg/L for ammonia. A trend graph of cis-1,2-DCE and TCE is provided in Appendix B.

3.5.1.7 SVE Systems

SVE systems were added to the Site FT002/IA GW OU remedy at three industrial area buildings (Building 2753, Building 2766, and New Building C; Figure 3-1) to address elevated concentrations of TCE and PCE found in soil vapor beneath the buildings. Operation of the SVE systems in Building 2753, Building 2766, and New Building C began in December 2009 (Building 2753), December 2010 (Building 2766 and New Building C). Annual remediation progress sampling of sub-slab soil gas and indoor air has been conducted at each of the buildings. The SVE systems operated until February 2014 when they were deactivated in preparation for the 2014 remediation progress sampling event and then were not restarted following approval from the NYSDEC and USEPA.

Due to elevated concentrations of TCE measured in a sub-slab soil vapor sample during the 2016 and 2017 remediation progress sampling events, the NYSDEC requested restarting operation of the portion of

the Building 2753 SVE system that addresses the area around that sampling location. Therefore, a portion of the SVE system in Building 2753 was restarted in the first quarter of 2018. The systems in Building 2766 and New Building C remained deactivated. Further consideration of the operational condition of the SVE system in Building 2753 will be conducted after the next round of sampling in 2019. Refer to the Remediation Progress Sampling Report, FT002 Industrial Area Groundwater Operable Unit Building 2753, Building 2766, and New Building C Soil Vapor Extraction Systems (Arcadis 2019b) for additional discussion on the remediation progress sampling events.

3.5.2 Site Inspection

The USAF conducted annual visual site inspections of FT002, with the most recent inspection occurring on August 20, 2018. Over the past 5 years it has been observed that LUCs are in place to restrict site use to non-residential and to prohibit groundwater use. The LUCs are functioning as intended and no violations were observed. The findings of the inspections are documented in annual Land Use Control/Institutional Controls Compliance Monitoring Reports (URS 2016a, Arcadis 2017, 2018a, 2019a). A copy of the 2018 LUCs Inspection Checklist is provided in Appendix A (Arcadis 2019a).

3.6 Technical Assessment

3.6.1 Question A: Is the Remedy Functioning as Intended by the Decision Document?

The primary remedial action objective for the Site FT002 IA/GW OU remedy is to eliminate the groundwater plume that originated at the Site FT002 Source OU and restore impacted groundwater to ARARs (i.e., reduce concentrations of contaminants in groundwater to less than groundwater use standards). Periodic base-wide groundwater monitoring demonstrates that the chlorinated hydrocarbon and BTEX plumes have decreased significantly in size since the time of the 2001 RI/FS (URS 2001a). Additionally, influent concentrations at the groundwater treatment plant decreased to concentrations less than the ROD RGs and the NYSDEC discharge criteria for the treatment plant, allowing for discharge of groundwater from the Runway/Flightline Collection Trench directly to the WSA stream. Since treatment of groundwater from the Runway/Flightline Collection Trench was no longer necessary, the treatment system was deactivated in May 2015.

There have been no changes to land use that would impact the remedy and no violations to LUCs were noted in the current inspection. The LUCs have been properly implemented and enforced and no issues were identified. The remedy is functioning as intended by the decision document.

3.6.2 Question B: Are the Exposure Assumptions, Toxicity Data, Cleanup Levels and Remedial Action Objectives Used at the Time of the Remedy Selection Still Valid?

There have been no changes in physical conditions, exposure pathways, and land use that would affect the protectiveness of the remedy. Remediation goals for groundwater and surface water (Table 3-2) are

based on ARARs, namely 6 NYCRR Part 703 (NYSDEC 2008), which have not changed. The remedial action objectives used at the time of the remedy selection are still valid.

The toxicity parameters for the COCs have not changed since the last Five-Year Review (URS 2014d). The USEPA updated their standard default exposure parameters in 2014 (USEPA 2014). For residential potable use of groundwater, the estimated cancer risks would be lower (lifetime exposure) and the estimated non-cancer hazards for child receptors would be higher; however, the lifetime cancer risk determines the risk-based decisions for the site COCs. Therefore, the remedy selection is still valid.

3.6.3 Question C: Has Any Other Information Come to Light that Could Call into Question the Protectiveness of the Remedy?

No other information has been identified and no weather-related events have occurred that could call into question the protectiveness of the remedy.

3.7 Issues/Recommendations

No deficiencies were identified during the current five-year review of the Site FT002/IA GW OU remedy, and no issues related to current site operations, conditions or activities prevent the remedy from being protective.

3.8 Protectiveness Statement

Protectiveness Statement		
Operable Unit: FT002/IA GW OU	*Protectiveness Determination:* Protective	*Addendum Due Date (if applicable):*
Protectiveness Statement: The remedy for the Site FT002/IA GW OU is protective of human health and the environment, and exposure pathways that could result in unacceptable risks are being controlled through the use of LUCs. Long-term protectiveness of the remedy has been and will be verified by periodic performance monitoring of the remediation systems, base-wide groundwater monitoring, and annual site inspections.		

4 SS005 NON-DESTRUCTIVE INSPECTION FACILITY SOIL OPERABLE UNIT

4.1 Site Overview

Site SS005, the Non-Destructive Inspection Facility OU, is located on the west side of Arizona Avenue approximately 1,200 feet east of the flightline ramp (Figure 1-2). The site contains Building 2802 which was historically used for non-destructive x-ray inspection of aircraft parts. In addition to Building 2802, Site SS005 consists of the adjacent paved area, and a grassy median that serves as a drainage ditch. The grassy median runs to the southeast away from a former waste accumulation area at the southern end of the pavement. Site features of Site SS005 are shown on Figure 4-2.

A former oil water separator and a holding tank, removed as part of a base-wide tank and oil/water separator removal program (URS 1998a), were also located near Nose Dock 4. A fire suppression system water reservoir was removed in 2012 when a new fire suppression system was constructed south of the site. The site is not currently in use. Anticipated future use is aviation support (Figure 2-3). Groundwater is not being used.

The site geology consists of coarse to fine sand with varying amounts of silt overlying a silty clay layer at a depth of approximately 39 feet (Malcolm Pirnie 1996). The groundwater table is shallow at the site and has been measured at approximately 4 feet below ground surface. Groundwater flow is from the west toward the east and into Lake Champlain (URS 1998a).

4.2 Basis for Taking Action

4.2.1 Site Background

Potential sources of contamination at this site included surface spills, runoff from the waste accumulation area, and potential leaks from the oil/water separator and holding tank (URS 1998a).

An overview of key historical events associated with Site SS005 is provided in Table 4-1.

Table 4-1 – Site SS005 Chronology

Date	Event	Description
1984	Phase I Records Search (Radian 1985)	Review of available base records for site SS005
1987	SI (E.C. Jordan 1989)	Soil organic vapor survey, surface and subsurface soil sampling
1992-1993	RI (Malcom Pirnie 1996)	Soil and groundwater sampling
1998	ROD Soil OU (URS 1998a)	ICs limiting the site to non-residential use and prohibiting well installation for groundwater use was the selected remedy

4.2.2 Contaminants of Concern

In surface soil samples, the SVOCs benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, and dibenz(a,h)anthracene and the metals arsenic, barium, beryllium, cadmium, chromium, lead, and zinc were measured at concentrations that exceeded their respective cleanup levels. In the subsurface soil samples, collected between 6 inches and 7 feet below ground surface, the VOCs methylene chloride and xylene, the SVOCs benzo(a)pyrene, dibenz(a,h)anthracene and phenol, and the metals cadmium, chromium, nickel, and zinc were measured in samples at concentrations greater than cleanup levels (URS 1998a).

Groundwater beneath Site SS005 is within the plume emanating from the FT002 Source OU area (URS 1998a). Therefore, groundwater remedial actions are included in the FT002/IA GW OU.

4.2.3 Risk Assessments

Due to their close proximity and potentially overlapping areas of contamination, the human health risk assessments for Sites SS005 and SS006 were combined. The human health risk assessment assumed that in the future the site would be used for aviation support/industrial purposes; residential use was not considered. Human health risks associated with exposure to potentially contaminated media were assessed for two exposure scenarios (URS 1998a):

<u>Current Site Conditions (Active Base - No Remediation)</u>

- Ingestion of and dermal contact with surface soil by a landscape worker.

<u>Future Site Conditions (Industrial Use - No Remediation)</u>

- Ingestion of and dermal contact with surface/subsurface soil during construction activities by construction/maintenance worker
- Inhalation of vapors and fugitive dust during construction activities by construction/maintenance worker
- Ingestion of and dermal contact with surface/subsurface soil after site development by site worker
- Ingestion of and dermal contact with groundwater after site development by site worker.

For known or suspected carcinogens, acceptable exposure levels are generally concentrations that represent an excess upper bound lifetime cancer risk to an individual of between $1x10^{-4}$ and $1x10^{-6}$ (USEPA 1990). A potential non-cancer risk is indicated if the hazard index exceeds 1 (USEPA 1991). For all of the exposure pathways considered, the total estimated cancer risks were within the acceptable USEPA limits and the hazard indices were all less than the upper limit of 1 (Malcom Pirnie 1996).

The ecological risk assessment conducted for Site SS005 indicated that there is a limited habitat of less than 1/10 acre at the site, consisting of mowed grass south of the paved area on site. The ecological risk assessment concluded that based on the limited available habitat and the low probability that wildlife would use Site SS005 exclusively, wildlife exposure to site contaminants posed very little risk (URS 1998a).

4.3 Response Action Summary

4.3.1 Remedy Selection

The ROD for the Site SS005 Soil OU was signed in April 1998 (URS 1998a). The selected remedy addresses the principal threats at Site SS005 by preventing endangerment to human health and the environment through LUCs. Because an evaluation of human health risk posed by site soils was not done for a residential use scenario and because contaminants not attributable to the site were found in groundwater, the LUCs that are the selected remedy are as follows (URS 1998a):

- Restrictions to limit development of the site to non-residential use
- Prohibition of the installation of any wells for drinking water or any other purposes which could result in the use of the underlying groundwater.

The ROD stipulates that these LUCs would be implemented through deed restrictions. Remedial action objectives and RGs were not established by the ROD.

4.3.2 Remedy Implementation

The selected remedy for Site SS005 is LUCs, which were established in the ROD and implemented through deed restrictions. The area subject to the ICs is shown on Figure A-2 in Appendix A.

4.3.3 System Operation

The USAF conducts an annual visual inspection of Site SS005 to verify that the LUCs are not being violated. No deficiencies were noted during the last annual inspection, as discussed in Section 4.5.2.

Between May 2013 and April 2014, an SVI investigation was conducted to evaluate whether the ICs are still needed and determine if corrective action would be required to address suspect or potential air quality issues. Soil gas, indoor air, and sub-slab soil gas samples were collected for comparison to NYSDEC and USEPA guidance on SVI. The evaluation concluded that under a commercial exposure scenario (i.e., the current building usage), no further action is required for Building 2802 (Tetra Tech 2017). ICs are in place that restrict site use to non-residential.

4.4 Progress Since the Last Five-Year Review

This section includes the protectiveness determinations and statements from the last five-year review (Table 4-2; URS 2014d) as well as the recommendations from the last five-year review and the current status of those recommendations (Table 4-3).

Table 4-2 – Site SS005 Protectiveness Determinations/Statements from the 2014 Five-Year Review

Protectiveness Determination	Protectiveness Statement
Protective	The remedy for the Site SS005 Soil OU is protective of human health and the environment. There are no significant threats to human health or the environment from soils at the site based on its current non-residential use (Malcolm Pirnie 1996). Groundwater beneath the site is included in the FT002/IA GW OU. Exposure pathways that could result in unacceptable risks are being controlled by LUCs that limit site development to non-residential use, prohibit the use of groundwater underlying the site, and require evaluation of the LUCs during five-year reviews of the remedy.

Table 4-3 – Site SS005 Status of Recommendations from the 2014 FYR

Issue	Recommendations	Current Status	Current Implementation Status Description	Completion Date (if applicable)
No Issue	Continue annual verification of the current owner's compliance with LUCs	Ongoing	Site inspections are completed on an annual basis	Annual

4.5 Five-Year Review Process

4.5.1 Document and Analytical Review

The remedy for Site SS005 does not involve active remediation so no additional analytical data have been generated.

4.5.2 Site Inspection

The USAF conducted annual site inspection of Site SS005, with the most recent inspection occurring on August 21, 2018. Over the past 5 years it has been observed that LUCs are in place to restrict site use to non-residential and to prohibit groundwater use. The LUCs are functioning as intended and no violations were observed. The findings of the inspections are documented in annual Land Use Control/Institutional Controls Compliance Monitoring Reports (URS 2016a, Arcadis 2017, 2018a, 2019a). A copy of the 2018 LUCs Inspection Checklist is provided in Appendix A (Arcadis 2019a).

4.6 Technical Assessment

4.6.1 Question A: Is the Remedy Functioning as Intended by the Decision Document?

The remedy for the Site SS005 Soil OU consists of LUCs that restrict site use to non-residential and prohibit installation of groundwater wells. Groundwater at Site SS005 is included in the FT002/IA GW OU.

The site is within the base industrial area and is currently not in use. The site inspection did not reveal any use of site groundwater. The remedy is functioning as intended.

4.6.2 Question B: Are the Exposure Assumptions, Toxicity Data, Cleanup Levels and Remedial Action Objectives Used at the Time of the Remedy Selection Still Valid?

There have been no changes in physical conditions, exposure pathways, and land use that would affect the protectiveness of the remedy. A non-residential use restriction was included in the remedy as an IC because the risk of exposure to site soils for a residential use scenario was not evaluated.

The toxicity parameters for the COCs have not changed since the last Five-Year Review (URS 2014), with the exception of the carcinogenic PAHs. An oral reference dose is now available for benzo(a)pyrene and for all carcinogenic PAHs the oral slope factors and inhalation unit risks indicate they are now 7 times (oral) and 2 times (inhalation) less potent carcinogens. The USEPA updated their standard default exposure parameters in 2014 (USEPA 2014). For worker (adult) exposure to soil the estimated cancer risks would be lower for the carcinogenic PAHs. As a residential use scenario was not evaluated, the remedy selection is still valid.

Updates to the risk assessment to consider residential use have not been completed, so the IC is still required. ICs to prohibit the installation of groundwater wells are necessary as long as groundwater impacts associated with FT002/IA GW OU remain. As noted in Section 4.3.1, remedial action objectives and RGs were not established by the Site SS005 ROD (URS 1998a).

4.6.3 Question C: Has Any Other Information Come to Light that Could Call into Question the Protectiveness of the Remedy?

No other information has been identified and no weather-related events have occurred that could call into question the protectiveness of the remedy.

4.7 Issues/Recommendations

No deficiencies were identified during the current five-year review of the Site SS005 remedy, and no issues related to current site operations, conditions or activities prevent the remedy from being protective.

4.8 Protectiveness Statement

Protectiveness Statement		
Operable Unit: SS005	*Protectiveness Determination:* Protective	*Addendum Due Date (if applicable):*
Protectiveness Statement: The remedy for Site SS005 Soil OU is protective of human health and the environment. There are no significant threats to human health or the environment from soils at the site based on its current non-residential use (Malcolm Pirnie 1996). Groundwater beneath the site is included in the FT002/IA GW OU. Exposure pathways that could result in unacceptable risks are being controlled by LUCs that limit site development to non-residential use and prohibit the use of groundwater underlying the site.		

5 SS006 AEROSPACE GROUND EQUIPMENT FACILITY SOIL OPERABLE UNIT

5.1 Site Overview

Site SS006, the Aerospace Ground Equipment (AGE) Facility, is located at the corner of Arizona Avenue and Colorado Street, approximately 600 feet east of the flightline (Figure 1-2). Site SS006 is composed of two buildings – the AGE Facility (Building 2815) and the Weapons Systems Management and Maintenance Facility (Building 2801; Figure 5-2). The AGE Facility (Building 2815) was constructed in 1980 and was used for maintenance and repair of ground power carts that were used on the flightline to provide electrical and pneumatic power to parked aircrafts. The Weapons Systems Management and Maintenance Facility (Building 2801) was constructed in 1956 and it housed the Precision Measurement Equipment Laboratory, which calibrated tools used for aircraft maintenance. Other flightline related offices were also present in Building 2801 (URS 1998b).

A hazardous waste accumulation point (i.e., a prefabricated steel storage area located north of the AGE Facility) accepted waste from two satellite accumulation points on the site from 1989 until 1995 when the base closed. The building was removed from the site and there were no reported spills at this storage area (URS 1998b). Two 5,000-gallon diesel fuel USTs and fuel dispensers were located west of the AGE Facility. There was also an oil/water separator and an associated holding tank near the south wall of the AGE Facility. The tanks, fuel pumps, and oil/water separator were all removed from the site. Removal of this equipment was done under the supervision of NYSDEC Region 5 spill response personnel (URS 1998b). The proposed future land use of Site SS006 is aviation support (Figure 2-3). The current land use of the AGE Facility (Building 2815) is commercial. Groundwater is not being used.

The site geology consists of coarse to fine sand with varying amounts of silt overlying a silty clay layer at a depth of approximately 25 to 35 feet. The groundwater table has been measured between approximately 4 and 7 feet bgs. Groundwater flow is from the west toward the east and into Lake Champlain (Malcolm Pirnie 1996).

5.2 Basis for Taking Action

5.2.1 Site Background

Two 30-gallon JP-4 jet fuel spills are known to have occurred in 1989 and 1991 on the paved area at the southwest corner of the AGE Facility. The spills were remediated when they occurred, but soil staining was observed in the drainage swale between Buildings 2815 and 2801, suggesting there may have been additional spills (URS 1998b).

An overview of key historical events associated with Site SS006 is provided in Table 5-1.

Table 5-1 – Site SS006 Chronology

Date	Event	Description
1987	SI (E.C. Jordan 1989)	Soil organic vapor survey and surface soil sampling
1992/1993	RI (Malcom Pirnie 1996)	Soil and groundwater sampling
1998	ROD Soil OU (URS 1998a)	ICs to limit the site to non-residential use and prohibit well installation for groundwater use were the selected remedy

5.2.2 Contaminant of Concern

Zinc was measured in one subsurface soil sample collected during the RI (Malcolm Pirnie 1996) at a concentration greater than the NYSDEC soil cleanup level (NYSDEC 1994) and has been identified as a COC.

Contamination in groundwater at this site did not originate from Site SS006; rather, the groundwater impacts at Site SS006 were associated with the FT002/IA GW OU.

5.2.3 Risk Assessments

Due to the sites' close proximity and potentially overlapping areas of contamination, the human health risk assessments for Sites SS005 and SS006 were combined. Section 4.2.3 of this report provides additional discussion.

The RI concluded that there were no significant threats to human health and the environment from contaminants present in soils at Site SS006. The human health risk assessment assumed that in the future the site would be used for aviation support/industrial purposes; residential use was not considered.

The ecological risk assessment completed for Site SS006 concluded that based on the limited available habitat and the low probability that wildlife would use Site SS006 exclusively, wildlife exposure to site contaminants posed very little risk (URS 1998b).

5.3 Response Action Summary

5.3.1 Remedy Selection

The ROD for the Site SS006 Soil OU was signed in April 1998 (URS 1998b). Remedial action objectives (RAOs) were not specifically established for Site SS006. The selected remedy addresses the principal threats at Site SS006 by preventing endangerment to human health and the environment through LUCs. Because an evaluation of human health risk posed by site soils was not done for a residential use scenario and because contaminants not attributable to the site were found in groundwater, ICs that are the selected remedy are as follows (URS 1998b):

- Restrictions to limit development of the site to non-residential use
- Prohibition of the installation of any wells for drinking water or any other purposes that could result in the use of the underlying groundwater.

The ROD stipulates that these ICs would be implemented through deed restrictions and that groundwater remedial actions would be specified in the preferred alternative for the FT002/IA GW OU (URS 1998b). Remedial action objectives and RGs were not established by the ROD.

5.3.2 Remedy Implementation

The selected remedy for Site SS006 is ICs, which were established in the ROD and implemented through deed restrictions. The area subject to the ICs is shown on Figure A-3 in Appendix A.

5.3.3 System Operation

The USAF conducts an annual visual inspection of Site SS006 to verify that the LUCs are not being violated. No deficiencies were noted during the last annual inspection, as discussed in Section 5.4.2.

Between May 2013 and April 2014, an SVI investigation was conducted to evaluate whether the ICs are still needed and determine if corrective action would be required to address suspect or potential air quality issues. Soil gas, indoor air, and sub-slab soil gas samples were collected for comparison to NYSDEC and USEPA guidance on SVI. The evaluation concluded that under a commercial exposure scenario (i.e., the current building use), no further action is required for Buildings 2801 and 2815 (Tetra Tech 2015). ICs are in place that restrict site use to non-residential.

5.4 Progress Since the Last Five-Year Review

This section includes the protectiveness determinations and statements from the last five-year review (Table 5-2; URS 2014d) as well as the recommendations from the last five-year review and the current status of those recommendations (Table 5-3).

Table 5-2 – Site SS006 Protectiveness Determinations/Statements from the 2014 Five-Year Review

Protectiveness Determination	Protectiveness Statement
Protective	The remedy for the Site SS006 Soil OU is protective of human health and the environment. There are no significant threats to human health or the environment from soils at the site based on its current non-residential use (Malcolm Pirnie 1996). Groundwater beneath the site is included in the FT002/IA GW OU. Exposure pathways that could result in unacceptable risks are being controlled by LUCs that limit site development to non-residential use, prohibit the use of groundwater underlying the site, and require evaluation of the LUCs during five-year reviews of the remedy.

Table 5-3 – Site SS006 Status of Recommendations from the 2014 FYR

Issue	Recommendations	Current Status	Current Implementation Status Description	Completion Date (if applicable)
No Issue	Continue annual verification of the current owner's compliance with ICs	Ongoing	Site inspections are completed on an annual basis	Annual

5.5 Five-Year Review Process

5.5.1 Document and Analytical Review

The remedy for Site SS006 does not involve active remediation so no additional analytical data have been generated.

5.5.2 Site Inspection

The USAF conducted annual site inspections of Site SS006, with the most recent inspection occurring on August 21, 2018. Over the past 5 years it has been observed that ICs are in place to restrict site use to non-residential and to prohibit groundwater use. The ICs are functioning as intended and no violations were observed. The findings of the inspections are documented in annual Land Use Control/Institutional Controls Compliance Monitoring Reports (URS 2016a, Arcadis 2017, 2018a, 2019a). A copy of the 2018 LUCs Inspection Checklist is provided in Appendix A (Arcadis 2019a).

5.6 Technical Assessment

5.6.1 Question A: Is the Remedy Functioning as Intended by the Decision Document?

ICs constitute the remedy for the Site SS006 Soil OU. Groundwater at Site SS006 is included in the FT002/IA GW OU. The Site SS006 ICs restrict site use to non-residential and prohibit installation of groundwater wells. The site is within the base industrial area and is in use by commercial firms. The site inspections did not reveal any use of site groundwater. The remedy is functioning as intended.

5.6.2 Question B: Are the Exposure Assumptions, Toxicity Data, Cleanup Levels and Remedial Action Objectives Used at the Time of the Remedy Selection Still Valid?

There have been no changes in physical conditions, exposure pathways, and land use that would affect the protectiveness of the remedy. The toxicity parameters for the COC (zinc) have not changed since the last Five-Year Review (URS 2014). The USEPA updated their standard default exposure parameters in 2014 (USEPA 2014). For worker (adult) exposure to soil the estimated cancer risks would be lower for the carcinogenic PAHs.

A non-residential use restriction was included in the remedy as an IC because the risk of exposure to site soils for a residential use scenario was not evaluated. Updates to the risk assessment to consider residential use have not been completed, so the IC is still required. An IC to prohibit the installation of groundwater wells also was included in the remedy and will be necessary as long as groundwater impacts associated with FT002/IA GW OU remain. As noted in Section 5.3.1, remedial action objectives and RGs were not established by the Site SS006 ROD (URS 1998b).

5.6.3 Question C: Has Any Other Information Come to Light that Could Call into Question the Protectiveness of the Remedy?

No other information has been identified and no weather-related events have occurred that could call into question the protectiveness of the remedy.

5.7 Issues/Recommendations

No deficiencies were identified during the current five-year review of the Site SS006 remedy, and no issues related to current site operations, conditions or activities prevent the remedy from being protective.

5.8 Protectiveness Statement

Protectiveness Statement		
Operable Unit: SS006	*Protectiveness Determination:* Protective	*Addendum Due Date (if applicable):*
Protectiveness Statement: The remedy for the Site SS006 Soil OU is protective of human health and the environment. There are no significant threats to human health or the environment from soils at the site based on its current non-residential use. Groundwater beneath the site is included in the FT-002/IA GW OU. Exposure pathways that could result in unacceptable risks are being controlled by ICs that limit site development to non-residential use and prohibit the use of groundwater underlying the site.		

6 SS013 MUNITIONS MAINTENANCE SQUADRON

6.1 Site Overview

Site SS013, the Munitions Maintenance Squadron, is located in the southwest portion of the base, north of the WSA, approximately 1,500 feet west of the runway (Figure 1-2). Site SS013 consists of the former industrial complex, north of the WSA, which includes Buildings 3578 and 3569. Site SS013 is approximately 20 acres in size (Figure 6-1). Between 1954 and 1991, the buildings were primarily used for warehousing, inspecting, cleaning, and painting of munitions and munitions support equipment. This facility was not connected to the base sanitary sewer system, but was instead served by several septic systems and leach fields. Each of the buildings contained oil-fired boilers located inside each building. Both USTs and aboveground storage tanks (ASTs) were used for fuel-oil storage (URS 2008c). A waste accumulation area and concrete solvent storage pad were located to the east of Building 3578. Site features are shown on Figure 6-1.

Site SS013 consists of grass-covered fields with drainage swales, a paved roadway, paved parking and storage areas, and a few isolated buildings (Buildings 3578 and 3569). The site slopes gently to the south-southwest at an elevation ranging from approximately 140 to 180 feet above mean sea level. Typically, during the spring and times of heavy precipitation, the water conveyed by the drainage swales within the site becomes an intermittent stream (unnamed) on the southern portion of the site as it enters the Salmon River. Site SS013 is currently unoccupied and not in use. Groundwater at SS013 is not being used. The proposed future use of Site SS013 is aviation support. The property lies outside of the Clinton County International Airport perimeter security fence to the east.

Approximately 5 to 10 feet of well-graded, coarse sand fill that was placed to raise the site grade during base construction is present across the site. Underlying the fill is a naturally occurring medium to fine sand with occasional layers of coarse sand, silt, and gravel. The sand layer becomes finer with depth and is between 7 and 15 feet thick at the site. This sand unit forms the unconfined water table aquifer that is present in varying thicknesses over the entire base. A silt and clay layer underlays the sand, which acts as a confining layer to the unconfined sand aquifer above it. The thickness of the clay was not determined in the immediate area of SS013, but it was found to be 30 feet thick at MW-13-002 located about 900 feet east of Building 3578. Glacial till generally occurs under the clay unit and bedrock at the base is limestone. Neither of these units was penetrated by borings in the immediate area of the site. The RI Report provides the geologic cross sections (URS 2003a).

Groundwater is typically encountered at depths of approximately 4 to 5 feet bgs east of the access road near Building 3578, approximately 4.5 to 5.5 feet bgs on the west edge of the access road, and approximately 3 to 4 feet bgs in the westernmost new well locations (i.e., MW-13-029 through MW-13-031, topographically lower locations) (URS 2015c).

6.2 Basis for Taking Action

6.2.1 Site Background

The integrated Munitions Maintenance and Storage Branch, housed in Building 3578, is reported to have generated wastes in significant quantities. Solvents, paints and thinners, and petroleum products were used in conjunction with the routine maintenance, repair, and cleaning of munitions-related items and support equipment, but no spills were reported in the site records search (Radian 1985).

The RI (URS 1996a) determined that site contamination was potentially due to six on-site source areas: the three leach fields (A, N, and S), the waste accumulation area, the solvent storage pad, and a UST located southwest of Building 3578. Contamination in the leach fields was likely the result of small spills that may have reached the leach fields through floor drains and the septic system network. The waste accumulation area was used for drum storage and the solvent storage pad was used to stage drums of solvents, primarily toluene. Spills may have occurred in these areas. The UST and associated piping into Building 3578 leaked an unknown quantity of #2 fuel oil. Of these sources, the solvent pad near the waste accumulation area and the fuel oil UST were thought to be continuous sources for groundwater contamination.

An overview of key historical events associated with Site SS013 is provided in Table 6-1, below.

Table 6-1 – Site SS013 Chronology

Date	Event	Description
1984	Phase I Records Search (Radian 1985)	Review of available base records for Site SS013
1987/1988	SI (E.C. Jordan 1989)	Limited soil gas, groundwater, surface water, and sediment sampling
1993-1996	RI (URS 1996a)	Extensive sampling of soil, groundwater, surface water, and sediment
1996	Fuel Oil UST Removal	Removal of fuel oil tank and surrounding soil
1996	Septic System Removal	Removal of septic system at Building 3578
1997	Waste Accumulation Removal (Parsons Engineering Science, Inc. and OHM Remediation Services Corp. 1999)	Removal of concrete pad and contaminated soil west of Building 3578
2000-2001	2001 Removal Actions at Buildings 3578 and 3569 (Versar, Inc. 2003)	Removal of additional soil from Building 3578 and PAH contamination near Building 3569
2002	Supplemental RI (URS 2003a)	Consolidation of data and additional groundwater sampling
2008	SS013 ROD (URS 2008c)	Selected remedy - ozone sparging
2018	Soil Removal Action (Arcadis 2018b)	Removal of VOC- and SVOC-impacted soil near Building 3578

6.2.2 Contaminants of Concern

The primary COCs in groundwater identified in the Supplemental RI (URS 2003a) are vinyl chloride and naphthalene. Additionally, during sampling conducted as part of the Supplemental RI the following

compounds were detected in groundwater at concentrations greater than GWQS: vinyl chloride, methylene chloride, TCE, 1,2-DCE, toluene, ethylbenzene, m&p xylenes, 2,4-dimethylphenol, naphthalene, acenaphthene, dibenzofuran, carbazole, iron, manganese, sodium, and thallium and are also considered COCs.

Soil contamination identified in the RI (URS 1996a) was addressed by several removal actions at Site SS003. Therefore, no soil source for groundwater contamination remains at site SS013.

6.2.3 Risk Assessments

A human health risk assessment was presented in the initial RI report (URS 1996a) that evaluated potential human exposure to soil and groundwater contamination under trespassing, construction, and industrial development scenarios. The overall excess cancer risk posed by chemicals detected in soil via the three soil exposure pathways is $1x10^{-4}$. This risk falls at the upper end of the range of risk (10^{-4} to 10^{-6} excess cancer risk) that is considered acceptable. The overall noncancer hazard index for the soil pathways is lower than the USEPA specified hazard index of 1. Based on these results, it was concluded that site-related contaminants in soil did not represent a significant threat to human receptors (URS 2008c). The overall cancer risk posed by chemicals detected in groundwater is $4.7x10^{-4}$ and the overall hazard index for the groundwater pathway is 50.2. These risks fall above USEPA's cancer and noncancer target risk thresholds. The ingestion and inhalation exposure pathways primarily contribute to the risk.

The risk assessment was updated for the Supplemental RI (URS 2003a) and evaluated the potential human health risks associated with exposure to contaminated soil and groundwater under a future residential use development scenario. The updated health risk assessment indicated that although the removal actions had mitigated the soil contamination, there were levels of dissolved COCs in groundwater, namely VOCs and SVOCs that still needed to be addressed. Based on the human health risk assessment, it was concluded that no significant threat to human health and the environment was posed by contaminants remaining in soil and sediment at the site. Therefore, no further action was considered necessary to address these media (URS 2008c).

Ecological risks also were assessed as part of the RI (URS 1996a) via a screening level ecological risk assessment. It was concluded that site-related contaminants in soil, sediment, and surface water did not appear to represent a significant risk to ecological receptors.

6.3 Response Action Summary

6.3.1 Initial Response Actions

The USAF has undertaken several response actions at this site in coordination with the NYSDEC and USEPA, to address soil contamination from activities at the site. In 1996, two septic systems and a 6,000-gallon fuel-oil UST that was located south of Building 3578 were removed. The UST removal included the fuel supply/return lines from the UST to the southwest corner of Building 3578 (OHM 1999). Soils in the excavation associated with the removal of the UST were excavated to a depth of 10 feet bgs and soils in the excavation associated with the trench for removal of the piping were excavated to a depth of 4 feet

bgs. The total volume of soils reportedly excavated during the removal of the UST and UST-related piping was 1,148 cubic yards.

Between August 2000 and May 2001, residual petroleum-contaminated soils remaining after the 1996 excavation effort were removed west and south of Building 3578. Approximately 297 tons were removed for off-site disposal during the excavation activities between August 2000 and May 2001 (Versar, Inc. 2003). Features are included on Figure 6-1.

6.3.2 Remedy Selection

The ROD for Site SS013 was signed in August 2008 (URS 2008c). The ROD identified ozone sparging with groundwater monitoring and ICs as the selected remedy for Site SS013 groundwater. The selected remedy was intended to treat site-specific VOCs and SVOCs. The timeframe estimated in the ROD for groundwater RG achievement was approximately one year.

The RAOs established by the ROD are to:

- Reduce contaminant of concern concentrations in groundwater to the RGs
- Address any future potential soil vapor pathway through implementation of ICs that may lead to engineering controls, if needed.

The selected remedy included the following components:

- Installing one additional downgradient monitoring well
- Collecting quarterly groundwater samples until one year of samples reveal concentrations below the RGs, which will be necessary to demonstrate that the RGs have been achieved and that remediation of the site groundwater can be discontinued
- Collecting one additional round of groundwater samples three to six months after the active treatment of site groundwater has been discontinued to demonstrate that there is no rebound effect
- Installing 20 ozone sparging points to inject ozone into the subsurface to treat the contamination
- Installing a pre-engineered, modular ozone generator and a control system in an equipment shed at the site
- Implementing ICs to prevent the use of contaminated groundwater for potable use; address any potential future soil vapor pathway; prevent property development or land use that would interfere with the operation of the remedy and its related components; and maintain the integrity of any current or future remedial or monitoring systems.

The ICs are described in detail in Section 12 of the ROD (URS 2008c).

6.3.3 Remedy Implementation

The ozone system was installed and began operating in June 2007. The system operated while the Site SS013 ROD was being prepared; it was finalized in August 2008 with ozone sparging chosen as the final

remedy (URS 2008c). The ozone sparging system was installed with two separate legs, a north leg and a south leg, with 10 sparge points in each leg. The sparge system layout is shown on Figure 6-2.

Ozone sparging combines air stripping and oxidative decomposition of contaminants in a single process. Air and ozone were injected into the groundwater through 20 micro-porous sparging points that create small bubbles in the groundwater. Ozone was delivered at a concentration of about 800 parts per million. Contaminant removal occurs by aqueous-to-gas partitioning as the bubbles rise in the water column. The ozone in the bubbles then reacts to decompose the contaminant molecules, creating carbon dioxide, dilute hydrochloric acid, and water. The radius of influence of each ozone sparging point was estimated to be about 30 feet (URS 2003d).

As required by the ROD, one additional downgradient monitoring well, MW-13-016, was installed between two existing wells, MW-13-008 and MW-13-012 (Figure 6-1). The quarterly groundwater monitoring program officially began in September 2008.

The selected remedy contains LUCs, which were established in the ROD and implemented through deed restrictions.

6.3.4 System Operation

The ozone sparge system initially operated with air and ozone sparged to the 20 sparging points. Starting on January 27, 2011, sparging points were turned off so that ozone delivery could focus on the three sparging points in the north leg that are closest to MW-13-008 in order to try and reduce the concentrations of the remaining groundwater contaminants more rapidly. In early November 2013, the south leg was shut off completely so that more ozone could be delivered to the sparge points near MW-13-008.

In February 2014, the system's compressor failed, so the ozone sparging system was turned off. It has not been restarted. Following system shutdown, the performance and effectiveness of the ozone sparging system has been evaluated. Even accounting for down time, the system experienced approximately 5 years of run time before being shut down in February 2014, which is significantly longer than the predicted 18-month maximum cleanup timeframe.

Up until 2012, contaminant concentrations had steadily declined in MW-13-008 and the system was believed to be operating successfully, albeit slowly. Therefore, the Third Five-Year Review Report (URS 2009b) made no recommendations regarding the SS013 remedy. In 2014, a supplemental investigation (URS 2015c) was completed to evaluate the effectiveness of the ozone sparging system and evaluate the extent of the groundwater plume. The findings of this evaluation are discussed in Section 6.4.

6.4 Progress Since the Last Five-Year Review

This section includes the protectiveness determinations and statements from the last five-year review (Table 6-2; URS 2014d) as well as the recommendations from the last five-year review and the current status of those recommendations (Table 6-3).

Table 6-2 – Site SS013 Protectiveness Determinations/Statements from the 2014 Five-Year Review

Protectiveness Determination	Protectiveness Statement
Protective	The remedy for Site SS013 currently protects human health and the environment because groundwater contamination appears to be contained on site and is not reaching the adjacent surface waters. ICs are also in place to restrict groundwater use. However, in order for the remedy to be protective in the long term, the actions recommended in Section 6.7 need to be taken.

Table 6-3 – Site SS013 Status of Recommendations from the 2014 FYR

Issue	Recommendations	Current Status	Current Implementation Status Description	Completion Date (if applicable)
Current extent of groundwater plume is unknown	Investigate the current extent of the groundwater plume and whether or not free product is present	Complete	Description provided in Section 6.4, below	May 2017
The ozone sparging system is not effective for reducing contaminant concentrations in groundwater	Evaluate alternative for remediating the site	Ongoing	Description provided in Section 6.4, below	Not applicable

To investigate the current extent of the groundwater plume, a Supplemental Investigation, which consisted of inspection of the sparging points and installation of additional groundwater monitoring wells, was completed in 2014 (URS 2015c). The evaluation indicated that the sparging wells may have been installed too deeply into fine-grained soils/sediments, negatively impacting the delivery of ozone to the overlying groundwater contaminant plume. Many of the sparging well screens are partially or completely filled with fine-grained sediments, which may have occurred before system operations were even initiated and may have affected delivery of ozone at these locations. Evidence from the 2014 soil borings (i.e., sheens, strong petroleum odors, stained soils) indicates that there still could be a petroleum source present, which possibly may have been too concentrated for the ozone sparging system to successfully remediate (assuming it did operate properly). The system may have been effective in remediating petroleum-related groundwater contamination on the west side of the access road, however, there is no pre-system site characterization data to substantiate whether a significant fuel-related groundwater contaminant plume was ever present on that side of the road. The investigation concluded that it is doubtful that most of the sparging wells were ever capable of successfully delivering ozone to the formation and that most of the sparging wells need replacement, rehabilitation, or repairs (URS 2015c).

As part of the Supplemental Investigation, seventeen groundwater monitoring wells (MW-13-017 through MW-13-033) were installed west and south of Building 3578 to better evaluate site conditions. Sampling

results indicate the presence of fuel-related contaminants present in the area of the soil removal actions conducted between 1996 and 2001. The soil removal actions did not extend below the water table. Groundwater analytical data are discussed in Section 6.5.1. The distribution of VOCs in groundwater from the last site-wide groundwater sampling event, conducted in August 2017, is presented on Figure 6-3 (Arcadis 2018c).

Following an indication of the possible presence of separate phase hydrocarbons in monitoring well MW-13-008 in February 2017 and review of historical groundwater elevations for the Site SS013, a new monitoring well to replace MW-13-008 was installed so that the screened interval of the replacement well would straddle the water table. Additionally, two soil borings (TW-13-001 and TW-13-002) were advanced to verify historical stratigraphic descriptions of the subsurface (Arcadis 2019c).

During the drilling associated with the MW-13-008R borehole and two nearby soil borings, the soils encountered between approximately 5 and 8 to 9 feet bgs (i.e., at and several feet below the water table) were observed to be relatively fine grained (i.e., predominately silt and clay as opposed to sand). Based on this field observation and a subsequent detailed review of historical soil boring logs and soil analytical data, it was concluded that operation of the ozone sparging system by itself would not adequately treat the residual contaminant mass in the immediate area of MW-13-008R.

In the Fall 2017, the Air Force evaluated options to try to enhance remediation at the site, specifically in the immediate area of MW-13-008R where soils at and several feet below the water table are relatively fine grained and there is a zone of residual mass at and below the water table. The Air Force subsequently developed a plan in cooperation with the NYSDEC and USEPA to remove several feet of soil below the water table in the general area that was previously excavated. A Soil Removal Work Plan to conduct this work was approved by the NYSDEC and USEPA in June 2018 (Arcadis 2018b). The overall concept is that the direct removal of soils through excavation will facilitate the effectiveness of future ozone sparging (if needed).

Between October 22 and October 31, 2018, a soil removal action was completed (Arcadis 2018b). Although groundwater concentrations have been measured below RGs in the three groundwater monitoring wells routinely sampled in accordance with the ROD (discussed in Section 6.5.1), the soil removal action was preformed to remove soil containing residual contaminant mass that may be a continuing source to VOCs in groundwater. The excavation was targeted in an area approximately 90 feet by 40 feet on the west side of Building 3578. The overall extent of the excavation (horizontally and vertically) was directed based on field observations (e.g., PID measurements, and visual and olfactory observations). Soil from the proposed excavation area was removed from approximately 5 to a maximum excavation depth of 12 feet bgs. Soil from ground surface to approximately 5 feet bgs was expected to be clean and was reused as backfill. Approximately 940 tons of soil was excavated for off-site disposal. During the excavation activities, dewatering removed approximately 5,500 gallons of water. Following the excavation, virgin stone backfill and un-impacted overburden was used as backfill to restore the site to the original grade. Monitoring well MW-13-008R had to be removed to complete the excavation, so replacement well MW-13-008R2 was installed in the same location on December 10, 2018.

Post-excavation groundwater sampling will be initiated in the first quarter of 2019 and will be utilized to evaluate potential future remediation alternatives.

6.5 Five-Year Review Process

6.5.1 Document and Analytical Review

The Site SS013 Proposed Plan (URS 2006) indicated that three groundwater monitoring wells (MW-13-008, MW-13-012, and MW-13-016) and one surface water location would be sampled quarterly for VOCs and SVOCs. The first quarterly sampling event for the three wells and the surface water location (SW-13-004) occurred in the fall of 2008. In accordance with the ROD (URS 2008c), quarterly groundwater sampling will continue until one year of results indicate groundwater concentrations are less that the regulatory limits. The sampling locations are shown on Figure 6-1. The distribution of VOCs in groundwater from August 2017 (i.e., the most recent site-wide groundwater sampling event) is included in Figure 6-2. Historical sampling results at the three monitoring wells and the surface water location are discussed the following subsections. A table with the historical groundwater analytical results is provided in Appendix B.

6.5.1.1 Monitoring Well MW-13-008

Monitoring well MW-13-008 has historically had the highest contaminant concentrations. In February 2017, there was an indication of the possible presence of separate phase hydrocarbons observed during the gauging in this well. In May 2017, monitoring well MW-13-008 was replaced with monitoring well MW-13-008R so that the screened interval of the replacement well would straddle the water table. Separate phase hydrocarbon was not measured in the replacement well during subsequent gauging/sampling events. Monitoring well MW-13-008R had to be removed to complete the excavation, so replacement well MW-13-008R2 was installed in the same location on December 10, 2018.

Since 2008, there have been four compounds that have regularly exceeded their respective NYSDEC Groundwater Quality Standards (GWQSs): naphthalene, 2,4-dimethylphenol, benzene, and vinyl chloride. The concentrations have on average been decreasing, although there have been periods of fluctuations.

During the most recent groundwater sampling event, conducted in August 2018, there were no compounds measured at concentrations greater than the GWQSs.

6.5.1.2 Monitoring Well MW-13-016

Monitoring well MW-13-016 was installed in 2007 when the ozone sparging system was built. It is located approximately 95 feet southwest and downgradient from MW-13-008 (Figure 7-2).

Between December 2009 and June 2011, there were no exceedances of the NYSDEC GWQSs in samples collected from this well. Samples were not collected from this well between September 2011 and March 2013 because of flooding surrounding the well. Between September 2013 and August 2017 there have been occasional detections of vinyl chloride at concentrations slightly greater than the GWQS of 2 µg/L. In August 2018, vinyl chloride was measured in MW-13-016 at 3 µg/L (duplicate result of 3.3 µg/L). No other compounds were measured at concentrations greater than their respective GWQS.

6.5.1.3 Monitoring Well MW-13-012

Monitoring well MW-13-012 is located approximately 200 feet sound of MW-13-016. While there have been occasional detections of COCs in the monitoring well, no compounds have ever been measured at a concentration greater than GWQSs.

6.5.1.4 Surface Water Sample Location SW-13-004

Although surface water contamination from Site SS013 is not a concern, a surface water sample is included in the performance monitoring program. New York State regulates surface water according to stream/water body classifications. Drainage channels and streams within the Site SS013 site coalesce into a larger stream classified by NYSDEC as tributary C-21-1 to the Salmon River. This stream enters the Salmon River approximately 1,000 feet southwest of the WSA. Tributary C-21-1 and the lower order drainage ditches and swales that discharge into it are classified as Class D water bodies by NYSDEC (URS 2003a). Since the Salmon River is a Class C water body, surface water samples are compared to the surface water quality standards for Class C water bodies.

TCE is the only contaminant consistently detected in sampling events since 1993 at concentrations ranging from 0.3 µg/L to 18 µg/L (Appendix B). The NYSDEC surface water quality standard for TCE is 40 µg/L. Since TCE has never been detected in samples from MW-13-008, the TCE in the surface water samples most likely originates from the discharge of the FT-002/IA GW OU treatment plant that is located upstream from the surface water sample location.

6.5.1.5 SS013 Analytical Review Conclusion

It was predicted that the ozone sparging system would reduce naphthalene concentrations to less than the GWQS (10 µg/L) after only one year of operation, provided that naphthalene was not present as free product (URS 2003d). The ozone sparging operated intermittently between June 2007 and February 2014, which should have been enough for the system to be effective based on the original design assumption of no free product.

Between October 22 and October 31, 2018, a soil removal was completed to remove soil containing residual contaminant mass that may be contributing to VOCs in groundwater. Post-excavation groundwater sampling will be initiated in the first quarter of 2019 and will be utilized to evaluate future remediation alternatives, including restarting the ozone sparging system.

Contamination at the site appears to be limited to the area around MW-13-008; it does not extend to MW-13-016 and surface water is not being impacted.

6.5.2 Site Inspection

The USAF conducted annual site inspections of Site SS013, with the most recent inspection occurring on August 21, 2018. Over the past 5 years it has been observed that ICs are in place to restrict site use to non-residential and to prohibit groundwater use. The ICs are functioning as intended and no violations were observed. The findings of the inspections are documented in the annual Land Use

Control/Institutional Controls Compliance Monitoring Reports (URS 2016a, Arcadis 2017, 2018a, 2019a). A copy of the 2018 LUCs Inspection Checklist is provided in Appendix A (Arcadis 2109a).

6.6 Technical Assessment

6.6.1 Question A: Is the Remedy Functioning as Intended by the Decision Document?

The physical remedy, ozone sparging, was expected to reduce contaminant concentrations in groundwater to less than RGs within one year of start-up. Contaminant concentrations have reduced over time, but the system operated, although not continuously, from June 2007 through February 2014 and contaminant concentrations for several compounds are still above their respective RGs. The ozone sparging system is not functioning as intended by the decision document based on the current design; however, surface water samples indicate that site groundwater contamination is not reaching the WSA stream on site and recent groundwater analytical data also indicate decreasing concentrations detected in MW-13-008R, the historically most impacted monitoring well. In October 2018, a soil removal work plan was implemented to remove residual contaminant mass below the depth previously excavated. The excavation of these soils was intended to remove fine-grained soil that would not be amenable to treatment via ozone sparging. In addition, the coarse-grained backfill would facilitate effective future ozone sparging, if needed.

To protect human health, there are ICs in place that restrict groundwater use and address the SVI pathway at the site. There have been no changes to land use that would impact the remedy and no violations to ICs were noted in the current inspection. The ICs have been properly implemented and enforced and no issues were identified. The IC portion of the remedy is still functioning as intended by the decision document to protect human health.

6.6.2 Question B: Are the Exposure Assumptions, Toxicity Data, Cleanup Levels and Remedial Action Objectives Used at the Time of the Remedy Selection Still Valid?

There have been no changes in physical conditions, exposure pathways, and land use that would affect the protectiveness of the remedy. The toxicity parameters for the COCs in groundwater have not changed since the last Five-Year Review (URS 2014d), with the exception of the addition of an inhalation reference concentration for 1,2,4-trimethylbenzene and 1,3,5-trimethylbenzene. The USEPA updated their standard default exposure parameters in 2014 (USEPA 2014). Based on updated default exposure parameters adult exposure lifetime estimated cancer risks would be lower and child non-cancer hazards would be higher; however, the lifetime cancer risk determines the risk-based decisions for the site COCs. Therefore, the remedy selection is still valid. Remediation goals for groundwater are based on ARARs, which have not changed. The remedial action objectives used at the time of the remedy selection are still valid.

6.6.3 Question C: Has Any Other Information Come to Light that Could Call into Question the Protectiveness of the Remedy?

The ozone sparging system is currently not operating, but there is no indication that groundwater contaminants are reaching the WSA stream at the site. No other information has been identified and no weather-related events have occurred that could call into question the protectiveness of the remedy.

6.7 Issues/Recommendations

The ozone sparging system is currently shut down; however, evaluations and actions have been completed to enhance remediation at the site and possible future operation of the ozone sparging system if needed or warranted.

A recommendation and associated follow-up actions are provided in Table 6-4.

Table 6-4 – Site SS013 Recommendation and Follow-Up Action

Issue	Recommendation/ Follow-Up Action	Responsible Party	Oversight Agencies	Milestone Date	Affect Protectiveness?	
					Current	Future
The ozone sparging system, as currently designed, is not effective for reducing contaminant concentrations in groundwater.	Continue to monitor groundwater in accordance with the ROD (following the soil removal) and evaluate possible future modification of ozone sparging system, if needed.	USAF	NYSDEC and USEPA	Spring 2020	No	No

6.8 Protectiveness Statement

Protectiveness Statement		
Operable Unit: SS013	*Protectiveness Determination:* Protective	*Addendum Due Date (if applicable):*
Protectiveness Statement: The remedy for Site SS013 currently protects human health and the environment because groundwater contamination appears to be contained on site and is not reaching the adjacent surface waters. ICs are also in place to restrict groundwater use. In order for the remedy to be protective in the long term, the actions recommended in Section 6.7 need to be taken.		

7 SS018 AUTO HOBBY SHOP/SS028 OPEN STORAGE AREA

7.1 Site Overview

Site SS018, the Auto Hobby Shop (Building 509), and Site SS028, the Open Storage Area associated with Building 508, are located immediately adjacent to one another in the northeast corner of the base and approximately 150 feet west of Lake Champlain (Figure 1-2). Site SS018 contains Building 509, the Auto Hobby Shop, which was built in 1936 by the United States Army for use as a regimental parking garage (Figure 7-2). From the mid-1950s until the early 1970s, Building 509 was used as a vehicle maintenance shop. From the early 1970s until base closure, the facility was used for the maintenance of private vehicles owned by base personnel. At Site SS018, a waste accumulation point was located to the west of Building 509. There was also a 1,000-gallon UST, a 300-gallon oil/water separator, and an 800-gallon aboveground waste oil storage tank located north of Building 509 (URS 2000). All of these features have been removed.

Site SS028 is associated with Building 508, which was built in 1935 and housed several base civil engineering shops and a regimental parking garage. Site SS028 also includes Building 483 and “The New Building” and is currently occupied by the Champlain Valley Transportation Museum. Building 483 was originally constructed in the late 1900s as a stable and was recently renovated as a learning center for children. The “New Building” was used by the USAF for cold storage and is currently used by the Champlain Valley Transportation Museum. North and east of Building 508 is a paved open area that the USAF used for storing equipment and containerized waste starting in the late 1950s (URS 2000). A wood-framed coal storage shed built in 1903 was formerly located where Building 508 is currently located. It was 21 feet wide and 217 feet long with the capacity to store about 800 tons of coal, according to U.S. Army Quartermaster facility inventories for Plattsburgh Army Barracks, the predecessor to Plattsburgh AFB. The building was destroyed by fire in 1924. There also was a small oil and paint storage building that existed at the current location of Building 509. It was built in 1903 and destroyed by fire in 1929 (URS 1999a).

The two sites are nearly flat and at their eastern edge a 12 to 15-foot high bank slopes down to the Delaware and Hudson Railroad tracks. Beyond the tracks, the topography slopes more steeply, dropping about 45 feet to Lake Champlain (URS 1999a). The recreational trail east of the site was constructed in 2000. The future use of the site was proposed to be industrial as shown on Figure 2-3. The property is currently owned by the City of Plattsburgh and is leased to the Champlain Valley Transportation Museum. Groundwater is not being used.

The stratigraphy in the Sites SS018/SS028 area generally consists of four hydrogeologic units: an upper unconfined sand aquifer, an underlying confining layer formed by a silty clay unit, a confined glacial till water-bearing unit, and a confined thinly bedded limestone bedrock aquifer. The sand unit is approximately 25 to 40 feet thick at the site, but the thicknesses of the other units were not determined from on-site borings; their presence at this site was inferred from results of borings from other nearby

sites. The clay unit was observed to be approximately 15 feet thick along the lake shoreline. The RI Report provides the geologic cross sections (URS 1999a).

As much as 7 feet of fill was placed on site prior to constructing Buildings 508 and 509 based on historical site photographs and the results of soil borings (URS 1999a). Some of this fill material may have been the burned remnants of the coal storage shed and oil house. Remnant surficial coal fragments have been observed in several areas of the site (URS 1999a). The fill layer was also found to contain ash, cinders, building debris (brick and wood), and coal pieces that likely contributed to elevated PAH concentrations in soil samples since PAHs result from the incomplete burning of fossil fuels (URS 1999a).

7.1.1 Site Background

Site SS018 was added to the IRP in 1987. As part of the Basewide Environmental Baseline Survey, Tetra Tech noted that significant oil spillage had occurred in the parking area near the waste accumulation point (Tetra Tech 1994). Spills in this area also were documented in a 1987 memorandum from the industrial hygiene workplace file maintained by the Plattsburgh AFB Bioenvironmental Engineering Office. Site SS028 was added to the IRP in 1991 when it was included in a PA of several areas of concern (URS 1995c). Waste products stored in drums at the Open Storage Area potentially may have caused contamination at the site. Also, a 200-gallon diesel fuel spill was documented at the site in December 1990 (Tetra Tech 1994).

An overview of key historical events associated with Sites SS018 and SS028 is provided in Table 7-1, below.

Table 7-1 – Sites SS018 and SS028 Chronology

Date	Event	Description
SS018 Auto Hobby Shop		
1987/1988	SI (E.C. Jordan 1989)	Records search and soil gas survey
1992/1993	RI (Malcolm Pirnie 1996)	Surface soil, subsurface soil, and groundwater sampling
SS028 Open Storage Area		
1992	PA (Malcolm Pirnie 1994b)	Historical records search
1994	SI (URS 1995c)	Surface soil and subsurface soil sampling; two monitoring wells installed with groundwater sampling
1997	RI (URS 1999a)	Geoprobe borings with soil and groundwater sampling; three downgradient monitoring wells with groundwater sampling
1998	Action Memorandum (URS 1998c)	Describes proposed soil removal action
1999	Time-Critical Removal Action (URS 1999b)	112 cubic yards of VOC-contaminated soil removed
SS018/SS028		
2000	SS018/SS028 ROD (URS 2000)	Selected remedy for combined sites: ICs and groundwater monitoring
2001	Groundwater Monitoring Program Initiated	Analysis for VOCs and MTBE; after 2005, only MTBE
2012	Remedial Action Completed (URS 2012)	Groundwater RGs achieved, monitoring program discontinued, site wells decommissioned, ICs remain

Note:
MTBE = methyl tert-butyl ether

7.1.2 Contaminants of Concern

Soil and groundwater contamination were identified during several investigations conducted at SS018 and SS028 between 1987 and 1997. Contamination identified at the two sites included PAHs and metals in fill materials; VOCs in soils related to past small spills of fuels and solvents; and VOCs and metals in groundwater (URS 1999a). The majority of samples collected at SS028 were located below the surface or below pavement (URS 1999a).

The presence of PAHs in soil is likely attributable to the widespread use in the early 1900s of coal for heating and for fueling steam locomotives that ran on the rail lines adjacent to the site. Between 1903 and 1924, the United States Army stored approximately 800 tons of coal in a shed at the location of what is now Building 508. The greatest concentrations of PAHs were found in soil samples collected from an approximately 7-foot thick fill layer adjacent to the northwest corner of Building 508. A fire or fires in 1924 also reportedly destroyed the coal storage building and a building used for storing lamp oil, and, since PAHs result from the incomplete burning of fossil fuels, the PAHs found in the soil samples are also likely the result of the fires and the subsequent re-grading of the area. The fill layer contained ash, cinders, and coal pieces that probably contributed to the elevated PAH concentrations in the soil samples (URS 1999a).

Groundwater in this area has also been impacted by methyl tert-butyl ether (MTBE), an additive to unleaded gasoline used from 1979 until its state-wide ban in January 2004. The presence of the MTBE contamination was investigated in 1999/2000 by the USAF, in consultation with the NYSDEC Region 5 Bureau of Spill Prevention and Response. The investigation concluded that the MTBE contamination in groundwater was most likely attributable to an upgradient source (URS 2001c). Contaminants in groundwater are no longer present at concentrations exceeding GWQSs.

Soil gas sampling has identified chlorinated VOCs in soil gas in the area of the December 1998 soil removal action. PCE and TCE were identified as the primary COCs in soil gas. In 2017, PCE concentrations ranged from 500 to 8,600 µg/m^3 and TCE concentrations ranged from 62 to 2,000 µg/m^3. The maximum PCE and TCE concentrations were both measured from SS028-SG-15S at 5 feet bgs

7.1.3 Risk Assessments

As part of the 1992/1993 SS018 RI, risks were assessed for civilian landscape workers and trespassers being exposed to surface soil. Cancer risks for all scenarios were within the acceptable risk range of $1x10^{-4}$ and $1x10^{-6}$. Similarly, the noncancer hazard indices for all scenarios evaluated were less than the acceptable USEPA-specified hazard index of 1 (Malcolm Pirnie 1996).

Because Sites SS018 and SS028 are adjacent to each other and are impacted by the same level, type, and pattern of soil contamination, the human health risk assessment in the 1997 RI was based on analytical data from both sites using updated toxicological data (URS 1999a). The combined site human health risk was evaluated for construction workers during future site development, future commercial workers after site development, and recreational users along the recreational path east of the site. Residential use of the site was not considered. Ingestion of groundwater by future commercial workers was considered, which is conservative because a municipal water supply was and still is available. Hazard indices for noncancer risks are all less than the acceptable value of 1. Cancer risks were equal to or less than the maximum acceptable level of $1x10^{-4}$. The RI concluded that there is no unacceptable risk associated with exposure to site contaminants given any of the exposure scenarios evaluated (URS 1999a).

An ecological risk assessment also considered data from both sites. It concluded that there was no significant risk to ecological receptors from exposure to site contaminants (URS 1999a).

7.2 Response Action Summary

7.2.1 Initial Response Actions

A removal action at Site SS028 was initiated in December 1998 to excavate contaminated soil believed to be a source of chlorinated hydrocarbon contamination in groundwater. The location of the removal action is shown on Figure 7-1. Approximately 112 cubic yards of soil were removed and transported to a thermal desorption facility in New Hampshire for disposal (URS 1999b). Confirmatory soil samples were collected from the excavation to verify that the source was removed. In June 1999, following regulatory agency concurrence, the excavation was backfilled with clean soil and the site was restored. A Closure Report for the removal action, issued in October 1999 (URS 1999b), received regulatory concurrence.

7.2.2 Remedy Selection

The combined Site SS018/SS028 ROD was signed in September 2000 (URS 2000). The ROD does not specifically establish remedial action objectives for the two sites. The remedy selected in the ROD was ICs in order to protect the public health and welfare from releases of hazardous substances into the environment. According to the Site SS018/SS028 ROD, chemical contaminants present in soils and groundwater at these sites do not pose a significant threat to human health or the environment; however, because the human health risk assessment did not include a residential development scenario, and because there were still contaminants present in groundwater beneath the site exceeding regulatory standards, ICs were included in the remedy as follows:

- Restriction on the development of the sites to facilities that support non-residential use
- Prohibition of the installation of any wells for drinking water or any other purposes which could result in the use of the underlying groundwater
- Prohibition of discharge of groundwater withdrawn during construction dewatering to the ground or surface water without prior approval of NYSDEC
- Periodic monitoring of site groundwater and groundwater seeps for VOCs and MTBE until groundwater contaminant levels are below current regulatory standards
- To determine if the remedy will continue to be protective of human health and the environment in the future, evaluation of the above ICs, which will be implemented through lease and deed restrictions, and review of groundwater monitoring data will be undertaken as part of five-year reviews of the remedy in accordance with Section 121(c) of CERCLA.

A figure showing the area subject to the use restrictions is included in Appendix A. Remedial action objectives and RGs were not specified in the ROD.

7.2.3 Remedy Implementation

The selected remedy contains LUCs, which were established in the SS018/SS028 ROD and implemented through deed restrictions. The groundwater monitoring program required by the ROD was implemented in May 2001. As discussed in Section 7.4.1.1, the monitoring program was discontinued in 2011 when it was determined that contaminants in groundwater were no longer present at concentrations that exceeded GWQSs.

7.2.4 System Operation

There is no active remediation occurring at Sites SS018 and SS028 and the groundwater monitoring program was discontinued in 2011. The USAF currently performs a visual inspection of the area annually to verify that ICs are not being violated. No deficiencies were noted during the last annual inspection, as discussed in Section 7.4.2.

An SVE pilot test has been proposed to evaluate the effectiveness of soil gas removal via SVE in the area of the former soil excavation at Site SS028 where there are VOC concentrations in soil gas (soil gas sampling is discussed in Section 7.4.1.2 below). The purpose of the pilot test is to determine if residual

soil gas contamination can be effectively addressed via SVE or if a LUC to address potential SVI is needed. The Soil Vapor Extraction Pilot Test Work Plan was approved in December 2018 (Arcadis 2018d). System installation is planned for summer/fall 2019 and the system will begin operating directly following installation.

7.3 Progress Since the Last Five-Year Review

This section includes the protectiveness determinations and statements from the last five-year review (Table 7-2; URS 2014d) as well as the recommendations from the last five-year review and the current status of those recommendations (Table 7-3).

Table 7-2 – Sites SS018/SS028 Protectiveness Determinations/Statements from the 2014 Five-Year Review

Protectiveness Determination	Protectiveness Statement
Protective	The remedy for Sites SS018/SS028 is protective of human health and the environment. Exposure pathways that could result in unacceptable risks (i.e., through residential use) are being controlled by ICs which remain in place and are being enforced. Groundwater contaminant concentrations have reduced over time to less than regulatory standards and a Remedial Action Report was completed in 2012 (URS 2012).

Table 7-3 – Sites SS018/SS028 GW OU Status of Recommendations from the 2014 FYR

Issue	Recommendations	Current Status	Current Implementation Status Description	Completion Date (if applicable)
No Issue	Continue annual verification of the current owner's compliance with ICs	Ongoing	Site inspections are completed on an annual basis	Annual

7.4 Five-Year Review Process

7.4.1 Document and Analytical Review

7.4.1.1 Groundwater Monitoring Program

The groundwater monitoring program required by the ROD was initiated in May 2001. Between 2001 and 2004, six monitoring wells (MW-18-004, MW-19-001, MW-28-02R, MW-28-004, MW-28-005, and MW-28-007) and two groundwater seeps along the lake shore (SW-28-001 and SW-28-002) were sampled semi-annually for analysis of VOCs and MTBE. Sample locations are shown on Figure 7-1.

Between 2001 and 2004, only PCE and MTBE were detected in the samples collected from the monitoring well at concentrations exceeding their respective GWQSs (URS 2004). Following the

1998/1999 soil removal action, the PCE concentrations decreased and results were below the PCE GWQS of 5 µg/L since October 2001, with the exception of one sample in October 2002 (5.05 µg/L). These data indicated that the soil removal action had been effective in mitigating chlorinated hydrocarbon contamination in groundwater beneath the two sites (URS 2012).

Beginning in April 2005, based on a recommendation in the Second Five-Year Review Report (URS 2004), semi-annual groundwater samples were only analyzed for MTBE. Between 2005 and 2010, samples were collected from four monitoring wells (MW-19-001, MW-28-002R, MW-28-005, and MW-28-007) and the two groundwater seeps (SW-28-001 and SW-28-002). Sampling at two of the wells, MW-18-004 and MW-28-004, was discontinued in 2007 because MTBE was no longer of concern at these two wells (URS 2012).

In 2011, groundwater monitoring at SS018/SS028 was discontinued because there were no longer any exceedances of the current 10 µg/L GWQS for MTBE in the site monitoring well samples. Based on the groundwater data from the two seeps, there also was no apparent impact on Lake Champlain from groundwater at the site. A Remedial Action Completion Report was issued in January 2012 (URS 2012) and suggested that the groundwater ICs be discontinued. However, the human health risk did not consider a residential use scenario, so the non-residential use restriction stipulated in the ROD remains.

7.4.1.2 Soil Gas Sampling

In 2012, a soil gas sampling event was completed at Site SS028 in the area where soil contaminated with VOCs were previously removed. The purpose of the investigation was to support decisions regarding the potential for SVI if a building were to be constructed in this area in the future and requirements for ICs (Tetra Tech 2013). The scope of work included collection of four samples from within the area of the 1998/1999 soil removal action excavation (SS028-SG-02S, SS028-SG-02D, SS028-SG-03S, and SS028-SG-03D) and five samples outside of the excavation area (SS028-SG-01, SS028-SG-04, SS028-SG-05, SS028-SG-06, and SS028-SG-07). PCE concentrations ranged from 38 to 6,000 micrograms per cubic meter (µg/m^3) and TCE concentrations ranged from less than the detection limit to 830 µg/m^3. The maximum PCE and TCE concentrations were both measured from SS028-SG-03D at 16 feet bgs (Tetra Tech 2013). The sampling locations and results are presented in Appendix B.

Following the results of this investigation, a supplemental investigation was completed to evaluate the potential impact of soil vapor on the existing adjacent buildings (i.e., Building 483 and “New Building”). The supplemental investigation consisted of installation of six shallow borings and collection of soil samples for target CVOC analysis in and around the soil removal area; installation of five groundwater monitoring wells to determine current groundwater conditions upgradient, within, and downgradient of the soil removal area; indoor air sampling in Building 493 along with perimeter (exterior) soil gas sampling; and sub-slab soil gas sampling in the New Building. The investigation concluded that no further action was required with respect to the potential for SVI in the existing buildings (Tetra Tech 2017). The NYSDOH commented that the portion of the site where the soil removal action occurred has in the past shown detections of VOCs in soil vapor (Tetra Tech 2013) and represents a concern. In relation to the long-term management of the site, the NYSDOH recommended that an area associated with the location of the soil removal action be designated for an SVI restriction regarding future construction.

Arcadis conducted a supplemental soil gas investigation in 2017 (Arcadis 2018d). Permanent multilevel soil gas probes were installed in four direct-push soil borings (SS028-SG-13S/D, SS028-SG-14S/D, SS028-SG-15S/D, and SS028-SG-16S/D). Each vapor probe contained two soil gas screens set at depths of approximately 5 and 15 feet bgs. Samples for VOC analysis were collected from each screen interval. VOCs were detected in several soil gas samples in and around the soil removal area. Similar to the 2012 investigation, PCE and TCE were identified as the primary COCs. PCE concentrations ranged from 500 to 8,600 µg/m^3 and TCE concentrations ranged from 62 to 2,000 µg/m^3. The maximum PCE and TCE concentrations were both measured from SS028-SG-15S at 5 feet bgs. Soil gas probe SS028-SG-15S is located within the former excavation footprint. The sampling locations and results are presented in Appendix B.

The findings of the soil gas sampling events have prompted the need for the SVE pilot test discussed in Section 7.2.4.

7.4.2 Site Inspection

The USAF conducted annual site inspections of Sites SS018 and SS028, with the most recent inspection occurring on August 21, 2018. Over the past 5 years it has been observed that ICs are in place to restrict site use to non-residential and to prohibit groundwater use. The ICs are functioning as intended and no violations were observed. The findings of the site inspections are documented in the annual Land Use Control/Institutional Controls Compliance Monitoring Reports (URS 2016a, Arcadis 2017, 2018a, 2019a). A copy of the 2018 LUCs Inspection Checklist is provided in Appendix A (Arcadis 2019a).

7.5 Technical Assessment

7.5.1 Question A: Is the Remedy Functioning as Intended by the Decision Document?

The Sites SS018 and SS028 remedy required periodic monitoring of VOCs and MTBE in groundwater at the site until the concentrations were less than regulatory standards. As stated in Section 7.4.1, in 2011, the groundwater monitoring program was discontinued because there were no longer any exceedances of GWQSs. A Remedial Action Completion Report was issued in January 2012 (URS 2012). ICs established by the ROD remain in place. The remedy is functioning as intended by the ROD.

To protect human health, there are ICs in place that restrict groundwater use. There have been no changes to land use that would impact the remedy and no violations to ICs were noted in the current inspection. The ICs have been properly implemented and enforced and no issues were identified. The IC portion of the remedy is still functioning as intended by the decision document to protect human health.

7.5.2 Question B: Are the Exposure Assumptions, Toxicity Data, Cleanup Levels and Remedial Action Objectives Used at the Time of the Remedy Selection Still Valid?

There have been no changes in physical conditions, exposure pathways, and land use that would affect the protectiveness of the remedy. Remedial action objectives and RGs were not specifically addressed in the ROD, but a remedial action objective implied by the ROD was to monitor groundwater until such time as contaminant concentrations were less than GWQSs, which were based on ARARs. The GWQS for MTBE changed from 50 µg/L to 10 µg/L, but MTBE concentrations in groundwater are below the lower standard. The implied remedial action objective at the time of the remedy selection is still valid.

Detections of VOCs in soil vapor have been measured in the portion of the site where the soil removal action occurred. In relation to the long-term management of the site, the NYSDOH recommended that an area associated with the location of the soil removal action be designated for an SVI restriction regarding future construction. An SVE pilot test is planned to evaluate the effectiveness of soil gas removal via SVE in the area of the former soil excavation to eliminate the need for the SVI restriction.

The toxicity parameters for the COCs have not changed since the last Five-Year Review (URS 2014d), with the exception of the carcinogenic PAHs. An oral reference dose is now available for benzo(a)pyrene and for all carcinogenic PAHs the oral slope factors and inhalation unit risks indicate they are now 7 times (oral) and 2 times (inhalation) less potent carcinogens. The USEPA updated their standard default exposure parameters in 2014 (USEPA 2014). For worker (adult) exposure to soil the estimated cancer risks would be lower for the carcinogenic PAHs. As a residential use scenario was not evaluated, the remedy selection (i.e., LUCs) is still valid.

7.5.3 Question C: Has Any Other Information Come to Light that Could Call into Question the Protectiveness of the Remedy?

No other information has been identified and no weather-related events have occurred that could call into question the protectiveness of the remedy.

7.6 Issues/Recommendations

A recommendation and associated follow-up action is presented in Table 7-4.

Table 7-4 – Site SS028 Recommendation and Follow-Up Action

Issue	Recommendation/ Follow-Up Action	Responsible Party	Oversight Agency	Milestone Date	Affect Protectiveness?	
					Current	Future
Potential soil vapor intrusion potential if future residential use is considered.	Evaluate SVE pilot test performance. The ROD will be evaluated and potentially modified depending on the results of the SVE pilot test.	USAF	NYSDEC and USEPA	To be determined	No	No

7.7 Protectiveness Statement

Protectiveness Statement		
Operable Units: SS018/SS028	*Protectiveness Determination:* Protective	*Addendum Due Date (if applicable):*
Protectiveness Statement: The remedy for Sites SS018 and SS028 is protective of human health and the environment. Exposure pathways that could result in unacceptable risks (i.e., through residential use) are being controlled by ICs that remain in place and are being enforced. Groundwater contaminant concentrations have reduced over time to less than regulatory standards and a Remedial Action Report was completed in 2012 (URS 2012).		

8 LANDFILL LF021

8.1 Site Overview

Landfill LF021 covers an area of about 6 acres at the northern boundary of the former base, between the Saranac River and State Route 22 (Figure 1-2). Landfill LF021 is approximately 900 feet long by 400 feet wide. The landfill was used from 1956 to 1959 for the disposal of the base municipal waste, construction and demolition debris, and sludge from the base wastewater treatment plant (URS 1994). Currently, the landfill is grass covered and surrounded by chain link fence with two locked access gates. There is a paved access road through the landfill along the south side (Figure 9-2). The surface topography in the vicinity of Landfill LF021 generally slopes toward the Saranac River to the north. The site is currently not in use, but future use is industrial (Figure 2-3). Groundwater at the site is not being used.

The landfill waste was characterized as a heterogeneous mixture of construction and demolition debris; metallic objects such as wire and springs; rusted and non-intact drums; motor vehicle components; ash and municipal refuse (URS 1995d). There were a number of isolated mounds of debris around the landfill perimeter consisting of asphalt, washing machines and more construction and demolition debris. Test trenching found that the maximum thickness of the landfill waste was about 13 feet covering an estimated 6 acres.

Natural overburden deposits at Landfill LF021 consist of two generalized geologic units: 1) brown silty sand; and 2) gray silty sand. The brown silty sand, classified as medium dense to dense glacial till, contains gravel and variable amounts of silt and clay. Occasional interstratified layers of sand, silt, clay, gravel, and cobbles are also present within the brown silty sand unit. Because of its textural similarity to the underlying gray silty sand, it was characterized as a separate unit based on color. The brown sand, based on borings performed around the landfill perimeter, is estimated to be between 9 and 25 feet thick. The gray silty sand is dense to very dense and is mixed with variable amounts of silt, clay, gravel, and cobbles. This unit is also classified as a glacial till. Only one boring at the location of MW-21-004 penetrated through the gray sand layer; it was 30 feet thick at this location. This same boring also penetrated to the top of rock at 40 feet. The clay layer, which occurs in other parts of the base, was not found. Bedrock at this site is a thinly bedded black calcareous limestone. The RI Report provides a geologic cross section (URS 1995d).

The surface topography in the vicinity of Landfill LF021 generally slopes toward the Saranac River to the north. Groundwater flow mirrors the topography north toward the Saranac River. Hydraulic conductivity in the sand units, measured during the LF021 RI (URS 1995d), ranged from 9x10-6 centimeters per second (cm/sec) to 7x10-3 cm/sec with an average of 3x10-4 cm/sec. The hydraulic gradient across the landfill in the direction of flow towards the Saranac River is approximately 0.04 foot/foot (ft/ft).

8.1.1 Site Background

Historical records indicated that the USAF used Landfill LF021 from 1956 to 1959 to dispose of the base domestic waste, construction debris, and wastewater treatment plant sludge (URS 1995d). The landfilled materials were reportedly placed in trenches, spread out and burned, and then backfilled with sandy soil

daily (E.C. Jordan 1989). The Phase I Records Search (Radian 1985) did not report evidence of hazardous material dumping at Landfill LF021.

An overview of key historical events associated with Landfill LF021 is provided in Table 8-1, below.

Table 8-1 – Landfill LF021 Chronology

Date	Event	Description
1984	Phase I Records Search (Radian 1985)	Review of available base records for Landfill LF021
1987/1988	SI (E.C. Jordan 1989)	Magnetometer survey, groundwater sampling of two wells, and soil sampling from seven test pits
1993/1994	RI (URS 1995d)	Test pits, five new monitoring wells, soil and groundwater sampling, and landfill waste limits determination
1997	ROD (URS 1997b)	Selected presumptive remedy – native soil cover, long-term groundwater monitoring, and ICs
Spring 1998	Soil Cover Completed (URS 2013c)	Cover construction initiated in spring 1997
November 1998	Groundwater Monitoring Program Initiated (URS 2013c)	Monitoring program described in Section 8.2

8.1.2 Contaminants of Concern

Surface soil samples collected between July 1993 and December 1994 as part of the RI (URS 1995d) indicated the presence of PAHs, PCBs, pesticides, and metals. The chemical character of the waste and subsurface soil was found to be consistent with what would be expected from a landfill that had been inactive for 35 years at the time of the RI (URS 1995d). The extent of contamination appeared to be confined to the limits of the waste fill; contaminant levels were typically an order of magnitude less in the native soil under the waste. Only one VOC, toluene, was detected at only one location within the fill at 4 micrograms per kilogram (µg/kg). Total SVOC concentrations were less than 10 mg/kg and were typically less than 5 mg/kg. If VOCs were present in the waste during operation of Landfill LF021, then the bulk of these compounds had either volatilized or leached from the landfill waste after landfill operations ceased in 1959 (URS 1995d). Pesticides, PCBs, and metals, the less mobile compounds, were more widespread in the landfill waste.

Several VOCs, SVOCs, metals, and a single pesticide, 4,4'-dichlorodiphenyltrichloroethane (DDT), were detected in groundwater samples during the RI. Based on groundwater contaminant transport calculations, it was determined that groundwater contamination from Landfill LF021 would have a negligible impact on the nearby Saranac River.

8.1.3 Risk Assessments

Human health risks associated with exposure to potentially contaminated media were assessed for two exposure scenarios:

- Current conditions (i.e., no remedial action at Landfill LF021) under which utility maintenance workers and teenage trespassers are exposed to surface soil on a regular basis

- Hypothetical future conditions, assuming the site is developed as a campground with available drinking water and shower facilities, so that campers are exposed to surface soil and groundwater.

In all cases, the hazard indices were less than 1, so that toxic noncarcinogenic effects are unlikely. For current land use at Landfill LF021, the total cancer risk for the adult and the teenage trespasser are both $1x10^{-4}$, which is at the upper end of the acceptable risk range. For the hypothetical future use scenario, the total excess cancer risk for the adult and the teenage trespasser both exceed the upper bound of USEPA's acceptable range (URS 1995d).

An ecological risk assessment performed for the RI concluded that effects on populations of small mammals at the landfill would be minimal (URS 1995d).

8.2 Response Action Summary

8.2.1 Remedy Selection

The USAF used the USEPA's containment presumptive remedy for military landfills (USEPA 1996) for Landfill LF021. In keeping with this approach, an FS was not performed for Landfill LF021 (URS 1995d). Because of the large amount and heterogeneous nature of the material in the landfill, treatment was not considered practical. Consequently, RGs were not established for Landfill LF021. Containment was, therefore, considered the appropriate response action or the presumptive remedy (URS 1997b).

The Landfill LF021 ROD (URS 1997b) established the following remedial action objective:

- Prevent direct contact with onsite soil and landfill waste by human or ecological receptors.

The ROD for Landfill LF021 was signed in March 1997 (URS 1997b). The selected remedy was a 12-inch-thick native soil cap and ICs consisting of deed restrictions that would:

- Limit development of any structure on the landfill site that would adversely affect human health and safety
- Prevent any adverse action leading to the deterioration of the cap
- Prohibit the installation of any wells that could result in use of the underlying groundwater
- Prohibit any excavation of the landfill cap without prior approval of the NYSDEC
- Restrict groundwater use in the area encompassing the landfill, northward to the Saranac River within the property boundaries.

The remedy also included groundwater monitoring for a 30-year post-closure period, conducting five-year reviews, and developing a post-closure plan that would specify more detailed requirements for cap maintenance, inspection, and monitoring for a 30-year post-closure period.

8.2.2 Remedy Implementation

Construction of the landfill soil cap began in the summer of 1997 and was completed in spring 1998. In accordance with the ROD, the cap consists of a 9-inch-thick soil layer, 3 inches of topsoil, and a vegetative cover to control surface water runoff and erosion. The vegetative cover was established in spring 1998 and the grass was mowed for the first time in July 1998. Installation of the required additional groundwater monitoring well, MW-21-009, was completed in August 1998 (Figure 8-1). USAF and USEPA personnel conducted an inspection of the landfill on September 17, 1998 and found the remedial construction to be satisfactorily completed. The USEPA signed a Remedial Action Construction Completion Report in September 1998. A post-closure plan was developed specifying inspection, monitoring, and maintenance programs to be carried out over a 30-year period (URS 1997a).The selected remedy also contains LUCs, which were established in the ROD and implemented through deed restrictions.

In addition to constructing a landfill cap, the remedy selected in the Landfill LF021 ROD (URS 1997b) included collecting groundwater samples from six monitoring wells (MW-21-002, MW-21-004, MW-21-005, MW-006, MW-21-007, and MW-21-009), for laboratory analyses of Target Compound List (TCL) VOCs, SVOCs, pesticides, PCBs, and Target Analyte List (TAL) metals. The six wells are shown on Figure 9-1. Samples were to be collected quarterly until the Second Five-Year Review, which recommend a reduction to TAL metals only on an annual basis (URS 2004). This recommendation was implemented for the August 2005 annual sampling event (URS 2005b).

The Third Five-Year Review Report (URS 2009b) reviewed the TAL metals data for the five years subsequent to the previous five-year review in 2004. The data showed that only four metals, iron, magnesium, manganese, and sodium, had consistently exceeded their respective NYSDEC GWQSs during that time period. Based on the limited number of metals exceeding the groundwater standards and the fact that the concentrations had been relatively constant, the Third Five-Year Review Report (URS 2009b) recommended that the sampling frequency be reduced from annually to every two years. This recommendation was implemented following the 2010 annual sampling event; the next sampling event at LF021 occurred in June 2012 (URS 2013c).

8.2.3 System Operation

The USAF is currently collecting groundwater samples from six monitoring wells at LF021 every two years. The samples are analyzed for TAL metals and the results are compared to GWQSs as discussed in Section 8.4.1. Visual inspections of the landfill condition and compliance with LUCs are conducted annually. The landfill cover grass is also mowed annually. No deficiencies were noted during the last annual inspection, as discussed in Section 8.4.2.

8.3 Progress Since the Last Five-Year Review

This section includes the protectiveness determinations and statements from the last five-year review (Table 8-2; URS 2014d) as well as the recommendations from the last five-year review and the current status of those recommendations (Table 8-3).

Table 8-2 – Landfill LF021 Protectiveness Determinations/Statements from the 2014 Five-Year Review

Protectiveness Determination	Protectiveness Statement
Protective	The remedy for LF021 is protective of human health and the environment. Exposure pathways that could result in unacceptable risks are being controlled. Threats at the site have been addressed by installing a soil cover over contaminated fill, installing fencing and warning signs around the landfill, and implementing LUCs. Long-term protectiveness of the remedy has been and will continue to be verified by groundwater monitoring and site inspections.

Table 8-3 – Landfill LF021 Status of Recommendations from the 2014 FYR

Issue	Recommendations	Current Status	Current Implementation Status Description	Completion Date (if applicable)
No Issue	Continue annual verification of the current owner's compliance with ICs	Ongoing	Site inspections are completed on an annual basis	Annual

8.4 Five-Year Review Process

8.4.1 Document and Analytical Review

A review of historical groundwater monitoring data for Landfill LF021 during the Second Five-Year Review in 2004 revealed that metals were the only compounds consistently detected at concentrations exceeding GWQSs. Based on a recommendation made in the Second Five-Year Review Report (URS 2004), groundwater samples collected at Landfill LF021 have only been analyzed for TAL metals since August 2005.

Historically, only four of the 23 metals analyzed have consistently exceeded their respective GWQS: iron, magnesium, manganese, and sodium. Trend charts depicting iron, magnesium, manganese, and sodium groundwater concentrations over time in Landfill LF021 wells are included in Appendix B. A discussion on the analytical trends for these four metals is presented in the following bullets:

- Iron has consistently exceeded its GWQS (300 µg/L) in all monitoring wells. During the most recent annual sampling event, conducted in August 2018, exceedances of the GWQS ranged from 940 J[1] µg/L (MW-21-005) to 42,000 µg/L (MW-21-006). Starting in 2004, concentrations of iron in groundwater have remained fairly steady in the monitoring wells, suggesting LF021 may not be significantly enriching iron concentrations in groundwater. In 2018, iron was measured in monitoring

[1] J: The compound was positively identified; however, the associated numerical value is an estimated concentration only.

wells MW-21-006 and MW-21-007 at concentrations relatively higher than anticipated based on historical trends, but this may be associated with the sampling methodology utilized.

- In August 2018, magnesium exceeded its GWQS (35,000 µg/L) in monitoring wells MW-21-002 (37,000 µg/L) and MW-21-005 (39,000 µg/L). Magnesium concentrations have remained generally steady since 2005. Historically, magnesium concentrations in the monitoring wells downgradient of the landfill were higher in concentration than in the upgradient well and previous Five-Year Review Reports indicated that LF021 appears to be contributing to magnesium concentrations in groundwater. In August 2018, the concentration of magnesium in site-wide monitoring wells (located both upgradient and downgradient of LF021) were similar in concentration, ranging from 28,000 µg/L (MW-21-007) to 39,000 µg/L (MW-21-005). This suggests that LF021 is not likely a continuing source of magnesium in groundwater.
- Manganese concentrations in the monitoring wells appear to be steady to decreasing over time. In August 2018, manganese exceeded its GWQS (300 µg/L) in all monitoring wells, except for MW-21-005. Exceedances of the GWQS ranged from 800 µg/L (MW-21-002) to 3,300 µg/L (MW-21-007). In 2018, manganese was measured in monitoring wells MW-21-004, MW-21-007, and MW-21-009 at concentrations relatively higher than anticipated based on historical trends, but this may be associated with the sampling methodology utilized. Manganese concentrations have consistently been measured at the highest concentrations in MW-21-006.
- In August 2018, sodium was measured in monitoring wells MW-21-002, MW-21-004, MW-21-006, and MW-21-009 at concentrations greater than the GWQS (20,000 µg/L). The maximum concentration in August 2018 was measured in MW-21-002 at 79,000 µg/L. Sodium concentrations in the upgradient well, MW-21-007, have consistently been less than in the downgradient wells. Two of the wells located on the east, downgradient, side of LF021, MW-21-002 and MW-21-006, continue to exhibit the highest sodium concentrations. LF021 is apparently contributing to sodium concentrations in groundwater.

8.4.2 Site Inspection

The USAF conducted annual site inspections of Landfill LF021, with the most recent inspection occurring on August 1, 2018. Over the past 5 years it has been documented that the ICs are functioning as intended and no violations were observed. Warning signs are in place and legible. The findings of the site inspection are documented in the annaul Land Use Control/Institutional Controls Compliance Monitoring Reports (URS 2016a, Arcadis 2017, 2018a, 2019a). A copy of the 2018 LUCs Inspection Checklist is provided in Appendix A (Arcadis 2019a).

Additionally, an inspection was completed to assess the integrity of the vegetative layer and landfill cover. The landfill inspection included inspection of the general conditions, erosion and surface conditions, animal control status, unwanted surface activities, fence and signs, and drainage ditches. The integrity of the landfill cover, access road, and monitoring wells were found to be acceptable. Access to the site is restricted by chain-link fencing around the landfill perimeter. The soil cover and perimeter fence appear to have achieved the RAO to minimize direct contact with the landfill soil/waste. A copy of the landfill inspection checklist is provided in Appendix A.

8.5 Technical Assessment

8.5.1 Question A: Is the Remedy Functioning as Intended by the Decision Document?

The selected remedy for Landfill LF021, a 12-inch-thick native soil cover, meets the remedial action objective of preventing direct contact with onsite soils and landfill waste by human or ecological receptors. Based on the August 2018 site inspection, the integrity of the landfill cover was acceptable. ICs implemented as part of the remedy provide additional protection to human health and the environment. The remedy is functioning as intended.

8.5.2 Question B: Are the Exposure Assumptions, Toxicity Data, Cleanup Levels and Remedial Action Objectives Used at the Time of the Remedy Selection Still Valid?

There have been no changes in physical conditions, exposure pathways, and land use that would affect the protectiveness of the remedy. The human health and ecological risk assessments for Landfill LF021 were done to support the presumptive remedy, a 12-inch-thick native soil cap, which eliminates the risk of exposure to contaminated soil/waste in the landfill. The remedial action objective established by the Landfill LF021 ROD, which is to prevent direct contact with onsite soil and landfill waste by human or ecological receptors, is still valid.

8.5.3 Question C: Has Any Other Information Come to Light that Could Call into Question the Protectiveness of the Remedy?

No other information has been identified and no weather-related events have occurred that could call into question the protectiveness of the remedy.

8.6 Issues/Recommendations

No deficiencies were identified during the current five-year review of the Landfill LF021 remedy, and no issues related to current site operations, conditions or activities prevent the remedy from being protective.

8.7 Protectiveness Statement

Protectiveness Statement		
Operable Unit: LF021	*Protectiveness Determination:* Protective	*Addendum Due Date (if applicable):*
Protectiveness Statement: The remedy for Landfill LF021 is protective of human health and the environment. Exposure pathways that could result in unacceptable risks are being controlled. Threats at the site have been addressed by installing a soil cover over contaminated fill, installing fencing and warning signs around the landfill, and implementing ICs. Long-term protectiveness of the remedy has been and will continue to be verified by groundwater monitoring and site inspections.		

9 LANDFILL LF022

9.1 Site Overview

Landfill LF022 is located in the northwest portion of the base and its western boundary is approximately 500 feet east of the former Plattsburgh AFB boundary (Figure 1-2). Landfill LF022 covers an irregularly-shaped area that is approximately 500 feet wide, 1,200 feet long, and 11 acres. LF022 was used from 1959 until 1966 for disposal of domestic waste from the base. The landfill is covered with grass and there are several large trees present. Surface topography on the landfill slopes gradually toward the east and northeast with a surface gradient of up to 10%. There is a chain-link fence that completely surrounds the landfill. A paved access road traverses the landfill at its north end and the only entrance to Landfill LF022 is through a locked gate at the east end of the access road (Figure 9-1). Landfill LF022 is not currently in use, but future use is aviation support (Figure 2-3). Groundwater at Landfill LF022 is not being used.

Site geology consists of approximately 80 feet of medium to fine silty sand, followed by 10 feet of clay, and 30 feet of glacial till overlying carbonate bedrock. Two aquifers are present at the site: 1) an unconfined aquifer in the sand unit; and 2) a confined aquifer in the glacial till and carbonate bedrock units. Groundwater in the unconfined sand aquifer is approximately 40 feet bgs, which is below the maximum depth of waste (i.e., 25 feet). The hydraulic conductivity of the upper portion of the unconfined sand aquifer is in the range of 10^{-3} to 10^{-2} cm/sec. Closer to the clay layer, as the fines increase, the hydraulic conductivity decreases to between 10^{-4} and 10^{-3} cm/sec. The RI Report provides a geologic cross section (ABB 1992a).

The topography of Landfill LF022 slopes gradually toward the east and southeast with a surface gradient of up to 10%. At the north end of the landfill there is a steep slope into a natural depression. There are no surface water features within the boundaries of the site. Based on the groundwater flow direction in the unconfined aquifer (shown on Figure 9-1), there appears to be a semi-radial flow pattern in the unconfined aquifer outward from LF022. The hydraulic gradient is approximately 0.01 to 0.02 ft/ft.

9.1.1 Site Background

Landfill LF022 was used from 1959 to 1966 for the disposal of domestic wastes from the base, which consisted primarily of bagged household garbage. A separate area within the boundary of Landfill LF022 was used to dispose of spent munitions residue. Explosive ordnance was detonated by explosive ordnance personnel elsewhere on the base and the residue was then disposed at Landfill LF022 as non-hazardous waste. Because appropriate USAF procedures were in place for hazardous waste disposal when the base was active and Landfill LF022 was in operation, it is unlikely that hazardous wastes were disposed at the landfill (ABB 1992a). The historical records search did not find any evidence of hazardous material disposal at Landfill LF022 (Radian 1985).

When the landfill was in operation, on a daily basis 25-foot deep trenches were excavated and filled with trash that was then burned. At the end of the day, the trenches were covered with sandy soil. Based on aerial photographs taken when Landfill LF022 was in operation, the trenches were not dug in any consistent pattern (ABB 1992a).

An overview of key historical events associated with Landfill LF022 is provided in Table 9-1.

Table 9-1 – Landfill LF022 Chronology

Date	Event	Description
1984	Phase I Records Search (Radian 1985)	Review of available base records for Landfill LF022
1987/1988	SI (E.C. Jordan 1989)	Magnetometer survey, groundwater sampling from two wells, seven test pits and soil sampling
1988/1989	RI (ABB 1992a)	Geophysical surveys, test pits, surface and subsurface soil sampling, well installation and groundwater sampling, and landfill waste limits determination
1992	FS (ABB 1992b)	Evaluation of remedial alternatives
1992	ROD (ABB 1992c)	Selected remedy - native soil cover, long-term groundwater monitoring, and ICs
1995	Soil Cover Completed (URS 2013c)	Implementation of selected remedy
December 1995	Groundwater Monitoring Program Initiated (URS 2013c)	Monitoring program described in Section 9.2

9.1.2 Contaminants of Concern

Three pesticides were detected in surface soil samples collected as part of the RI conducted between 1988 and 1991 and were determined to be site contaminants: DDT, dichlorodiphenyldichloroethane (DDD), and dichlorodiphenyldichloroethene (DDE). The pesticides may have been present in the cover soil used at the landfill (ABB 1992b).

The nature of contaminants in the landfill waste and subsurface soil was investigated using test pits during the SI. Site contaminants detected in the waste samples included: carbon tetrachloride, chloroform, bis(2-ethylhexyl)phthalate, petroleum hydrocarbons, and 10 metals. Organic contaminants (VOCs and SVOCs) were not detected in the subsurface soils, but lead was detected above site background levels in a sample collected from just below the waste. The concentration of lead in the sample was 116 mg/kg; its site background level is 79.4 mg/kg (URS 1996b).

In groundwater samples, two metals, iron and manganese, were detected at concentrations that exceeded their respective GWQS and were considered site-related contaminants. The maximum concentrations were 8,760 µg/L for iron and 877 µg/L for manganese. The GWQS for both compounds is 300 µg/L.

9.1.3 Risk Assessments

Human health risks associated with exposure to potentially contaminated media were assessed during the RI for four exposure scenarios (ABB 1992a):

<u>Current Site Conditions (No Remediation)</u>

- Incidental ingestion of and direct contact with surface soil by a child trespasser.

Future Site Conditions (No Remediation)

- Ingestion of and direct contact with groundwater by a future resident
- Incidental ingestion of and direct contact with surface soil by a future resident
- Inhalation of vapors and fugitive dust by a future resident.

Two sets of surface soil concentrations were used to evaluate the risk of exposure to pesticides in surface soil: 1) sitewide average concentrations; and 2) concentrations from the most contaminated quadrant on the landfill, the northwest quadrant.

For the child trespasser, the cancer and non-cancer risks were well below the USEPA's target levels, and consequently it was concluded that a child trespasser at Landfill LF022 was unlikely to develop adverse health effects from exposure to surface soil (ABB 1992a).

For the future residents, children and adults could be exposed to contaminants in surface soil, groundwater, and vapors/dust from Landfill LF022; therefore, the risks associated with exposure to these media were combined. The total site excess cancer risk for the child and adult are within the USEPA's target risk range of $1x10^{-6}$ to $1x10^{-4}$, so no significant cancer risks are expected from exposure to Landfill LF022 contaminants (ABB 1992a). For both datasets, the combined hazard index for the resident adult is 0.3 (i.e., less than the USEPA target level of 1.0). The hazard indices for the resident child are 1.3 and 1.6 for the two datasets. At least half of the hazard index was determined to be from exposure to manganese in groundwater (ABB 1992a), but the estimated daily intake of manganese, an essential human nutrient, was also determined to be within safe limits if consumed at the maximum concentration found in downgradient well samples. Therefore, the RI concluded that no adverse health effects would be expected for the future scenario of nearby residential homes (ABB 1992a).

An ecological risk assessment was also performed during the RI. The exposure pathways considered were exposure to surface soil by direct contact with and ingestion of surface soil and also ingestion of biota with bioaccumulated chemicals in tissues. It was concluded that exposure to surface soil contaminants could result in adverse effects to individual receptors, but population level effects were not likely (ABB 1992a).

9.2 Response Action Summary

9.2.1 Remedy Selection

The Landfill LF022 ROD (ABB 1992a) established the following remedial action objective:

- Minimize potential current and future ecological risks associated with exposure to pesticides in surface soil.

Since the landfill waste at Landfill LF022 was not being remediated, the ROD did not establish RGs.

The remedy selected by the ROD was a 12-inch-thick native soil cap and a restriction that the integrity of the final cap and any component of the containment or monitoring system (i.e., monitoring wells) could not be compromised. The remedy also required that a 30-year post closure inspection, groundwater

monitoring, and maintenance plan be developed. Groundwater monitoring was included to meet the substantive requirements of 6 NYCRR Part 360 (NYSDEC 1988).

9.2.2 Remedy Implementation

Construction of the landfill cap was completed in spring 1995 and long-term groundwater monitoring began in December 1995. The landfill cap limits and the long-term groundwater monitoring well locations are shown on Figure 9-1.

The Landfill LF022 ROD (ABB 1992a) stated that the remedy will include ICs; however specific ICs were not identified. The following ICs were placed on LF022 based on recommendations made in the first Five-Year Review Report (USEPA 1999):

- Limit development of any structure on the landfill site which would adversely affect human health and safety
- Prevent any adverse action leading to deterioration of the cap
- Prohibit wells for drinking water or any other use of the underlying groundwater
- USAF or regulator access to site monitoring wells must be allowed at all times.

A figure showing the actual wording of the LF022 ICs and the area subject to the ICs is included on Figure A-7 in in Appendix A. The LUCs were implemented through deed restrictions.

The groundwater monitoring requirements were not specified in the Landfill LF022 ROD, but as required by the ROD, a 30-year post-closure monitoring and maintenance plan was developed (URS 1992). The original groundwater monitoring program and analytical parameters were developed using as a guide the requirements of 6 NYCRR Part 360 (NYSDEC 1988), which was used as a guide because operations at Landfill LF022 predated this regulation.

Around the perimeter of Landfill LF022, 11 wells are used in the groundwater monitoring program (Figure 9-1), with five nested pairs of shallow and deep wells plus a single shallow well (MW-02-016). The shallow wells are screened close to or across the water table and the deep wells have their screens deeper within the unconfined aquifer.

Post-closure groundwater monitoring at Landfill LF022 began in December 1995. Based on a recommendation in the Third Five-Year Review Report (URS 2009b), the wells are currently sampled every two years for TAL metals.

9.2.3 System Operation

The USAF is currently collecting groundwater samples from 11 monitoring wells at Landfill LF022 every two years. The groundwater samples are analyzed for TAL metals and the results are compared to GWQSs. On an annual basis, visual inspections of the landfill conditions are conducted and the landfill cover grass is mowed. Compliance with LUCs by the current property owner is also verified annually. No deficiencies were noted during the last annual inspection, as discussed in Section 9.4.2.

9.3 Progress Since the Last Five-Year Review

This section includes the protectiveness determinations and statements from the last five-year review (Table 9-2; URS 2014d) as well as the recommendations from the last five-year review and the current status of those recommendations (Table 9-3).

Table 9-2 – Landfill LF022 Protectiveness Determinations/Statements from the 2014 Five-Year Review

Protectiveness Determination	Protectiveness Statement
Protective	The remedy for LF022 is protective of human health and the environment. Exposure pathways that could result in unacceptable risks are being controlled. Threats at the site have been addressed by installing a soil cover over contaminated fill, installing fencing and warning signs around the landfill, and implementing ICs. Long-term protectiveness of the remedy has been and will continue to be verified by groundwater monitoring and site inspections.

Table 9-3 – Landfill LF022 SS006 Status of Recommendations from the 2014 FYR

Issue	Recommendations	Current Status	Current Implementation Status Description	Completion Date (if applicable)
No Issue	Continue annual verification of the current owner's compliance with ICs	Ongoing	Site inspections are completed on an annual basis	Annual

9.4 Five-Year Review Process

9.4.1 Document and Analytical Review

A review of historical groundwater monitoring data for Landfill LF022 during the Second Five-Year Review in 2004 revealed that metals were the only compounds consistently detected at concentrations exceeding GWQSs. Based on a recommendation made in the Second Five-Year Review Report (URS 2004), since June 2005, groundwater samples collected at LF022 have only been analyzed for TAL metals.

Historically, three of the 23 metals analyzed have consistently exceeded their respective GWQSs: iron, manganese, and sodium. Trend charts depicting iron, manganese, and sodium groundwater concentrations over time in Landfill LF022 wells are included in Appendix B. A discussion on the analytical trends for these three metals is presented in the following bullets:

- In August 2018, the most recent groundwater sampling event, iron exceeded its GWQS (300 µg/L) in MW-22-001, MW-22-005, MW-22-007, MW-22-008, MW-22-009, and MW-22-010; exceedances of the GWQS ranged from 570 J µg/L (MW-22-001) to 3,300 J µg/L (MW-22-008). The GWQS for iron has been exceeded in almost all the samples collected at Landfill LF022 since 1995 when

groundwater monitoring began. With the exception of MW-22-005, iron in the monitoring wells has been measured at fairly stable concentrations. From 2003 to 2016, the maximum concentrations of iron were measured in downgradient shallow well MW-22-005. In 2017 and 2018, the iron concentration in this monitoring well decreased and was within the same range as the iron concentrations in the other monitoring wells.

- In August 2018, manganese exceeded its GWQS (300 µg/L) in monitoring wells MW-02-016, MW-22-009, and MW-22-010; exceedances of the GWQS ranged from 530 µg/L (MW-22-010) to 850 J µg/L (MW-22-009). The manganese concentrations in the two upgradient monitoring wells, MW-22-003 and MW-22-004, and downgradient wells MW-22-001 and MW-22-006 have remained below the GWQS. In the other monitoring wells, manganese concentrations have fluctuated above and below the GWQS.
- In August 2018, sodium exceeded its GWQS (20,000 µg/L) in all monitoring wells except for MW-22-008; exceedances of the GWQS ranged from 58,000 µg/L (duplicate of MW-22-009) to 150,000 µg/L (MW-22-004). The maximum concentrations of sodium have been regularly measured in upgradient wells MW-22-003 and MW-22-004. The elevated sodium concentrations in these two wells are most likely due their close proximity to Route 22 (Figure 9-1) on which road salt is applied in winter.

Antimony and arsenic have also been detected in Landfill LF022 wells at concentrations greater than GWQSs. Both metals have appeared in groundwater samples apparently in cycles, but arsenic appears less frequently. Both antimony and arsenic naturally occur in groundwater and their presence in the LF022 groundwater samples may or may not be related to the landfill.

9.4.2 Site Inspection

The USAF conducted annual site inspections of Landfill LF022, with the most recent inspection occurring on July 30, 2018. Over the past 5 years it has been observed that the ICs are functioning as intended and no violations were observed. Warning signs are in place and legible. The findings of the site inspection are documented in the annual Land Use Control/Institutional Controls Compliance Monitoring Reports (URS 2016a, Arcadis 2017, 2018a, 2019a). A copy of the 2018 LUCs Inspection Checklist is provided in Appendix A (Arcadis 2019a).

Additionally, an inspection was completed to assess the integrity of the vegetative layer and landfill cover. The landfill inspection included inspection of the general conditions, erosion and surface conditions, animal control status, unwanted surface activities, fence and signs, gas vent pipes, and drainage ditches. The integrity of the landfill cover, access road, and monitoring wells were found to be acceptable. Access to the site is restricted by chain-link fencing around the landfill perimeter. The soil cover and perimeter fence appear to have achieved the RAO to minimize direct contact with the landfill soil/waste. A copy of the landfill inspection checklist is provided in Appendix A.

9.5 Technical Assessment

9.5.1 Question A: Is the Remedy Functioning as Intended by the Decision Document?

The selected remedy for Landfill LF022, a 12-inch-thick native soil cover, meets the remedial action objective of preventing exposure to pesticides in onsite surface soils by ecological receptors. Based on the August 2018 site inspection, the integrity of the landfill cover was acceptable. ICs implemented as part of the remedy provide additional protection to human health and the environment. The remedy is functioning as intended.

9.5.2 Question B: Are the Exposure Assumptions, Toxicity Data, Cleanup Levels and Remedial Action Objectives Used at the Time of the Remedy Selection Still Valid?

There have been no changes in physical conditions, exposure pathways, and land use that would affect the protectiveness of the remedy. The human health and ecological risk assessments for Landfill LF022 were done to support the need for selecting the presumptive remedy, a 12-inch-thick native soil cap, which eliminates the risk of exposure to contaminated soil/waste in the landfill. The remedial action objective established by the Landfill LF022 ROD is still valid.

9.5.3 Question C: Has Any Other Information Come to Light that Could Call into Question the Protectiveness of the Remedy?

No additional human health or ecological risks have been identified, and no weather-related events have affected the protectiveness of the remedy. No other information has been identified that could call into question the protectiveness of the remedy.

9.6 Issues/Recommendations

No deficiencies were identified during the current five-year review of the Landfill LF022 remedy, and no issues related to current site operations, conditions or activities prevent the remedy from being protective.

9.7 Protectiveness Statement

Protectiveness Statement		
Operable Unit: LF022	*Protectiveness Determination:* Protective	*Addendum Due Date (if applicable):*
Protectiveness Statement: The remedy for Landfill LF022 is protective of human health and the environment. Exposure pathways that could result in unacceptable risks are being controlled. Threats at the site have been addressed by installing a soil cover over contaminated fill, installing fencing and warning signs around the landfill, and implementing ICs. Long-term protectiveness of the remedy has been and will continue to be verified by groundwater monitoring and site inspections.		

10 LANDFILL LF023

10.1 Site Overview

Landfill LF023 is located on the west side of the base immediately south of Site FT002 Source OU and approximately 300 feet from the base boundary (Figure 1-2). Landfill LF023 was the last active landfill at the former Plattsburgh AFB and reportedly received domestic waste for disposal from 1966 until 1981. Site features at Landfill LF023 are shown on Figure 10-1. Landfill LF023 topography slopes gradually towards the east and southeast with a surface gradient of 0 to 3%. Shallow groundwater in the vicinity of LF023 discharges to the ground surface from downgradient seeps and collects in natural depressions and swales approximately 600 feet south of the site (ABB 1992a). The drainage points constitute the surface water sample locations shown on Figure 10-1 as SW-23-001 and SW-23-002. The site is currently not in use, but future use is aviation support (Figure 2-3). Groundwater at the site is not being used.

Site geology consists of a vertical profile of between 70 and 105 feet of medium to fine sand with some silt and occasional silt layers. The sand is underlain by up to 10 feet of clay and 30 feet of glacial till, overlying carbonate bedrock. The RI Report provides a geologic cross section (ABB 1992a).

Two aquifers are present at the site: 1) a shallow unconfined aquifer in the sand; and 2) a confined aquifer in the glacial till and carbonate bedrock. The hydraulic conductivity of the upper portion of the unconfined sand aquifer is approximately 10-2 cm/sec (30 feet per day). Deeper within the unconfined aquifer and nearer to the clay layer, the hydraulic conductivity reduces to 10-3 cm/sec (3 feet per day). The deeper confined aquifer is not included as part of the LF023 groundwater monitoring program. The groundwater in the unconfined sand aquifer beneath the landfill is approximately 30 feet bgs, which is deeper than the landfill waste (ABB 1992a). The hydraulic gradient across the site is approximately 0.01 ft/ft. Groundwater in the unconfined aquifer beneath LF023 generally flows southeast toward the Salmon River and Lake Champlain. The groundwater flow direction is shown on Figure 10-1.

10.1.1 Site Background

Landfill LF023 covers a 15-acre area that is approximately 500 feet wide by 1,400 feet long (Figure 10-1). It was the last domestic waste landfill in use at the base, receiving domestic/municipal waste from 1966 until 1979. LF023 continued to receive construction debris for disposal until 1981 (ABB 1992a). Because appropriate USAF procedures were in place for hazardous waste disposal when the base was active and Landfill LF023 was in operation, it is unlikely that hazardous wastes were disposed at the landfill. (ABB 1992a). The historical records search did not find any evidence of hazardous material disposal at LF023 (Radian 1985).

Reportedly, each day 25-foot deep trenches were excavated and filled with trash that was then spread with a bulldozer. At the end of the day, the trenches were covered with 6 inches of sandy soil (Radian 1985).

An overview of key historical events associated with Landfill LF023 is provided in Table 10-1, below.

Table 10-1 – Landfill LF023 Chronology

Date	Event	Description
1984	Phase I Records Search (Radian 1985)	Review of available base records for Landfill LF023
1987/1989	SI (E.C. Jordan 1989)	Magnetometer survey, 10 monitoring wells installed, groundwater sampling, test pits, and soil sampling
1988-1991	RI (ABB 1992a)	Geophysical surveys, surface and subsurface soil sampling, sediment sampling, three monitoring wells installed, groundwater sampling, and landfill waste limits determination
May 1992	Source Control FS (ABB 1992d)	Evaluation of remedial alternatives for source containment
September 1992	ROD – Source Control (ABB 1992e)	Selected remedy–low-permeability barrier cover system, long-term groundwater monitoring, and ICs
November 1992	Supplemental RI (URS 1993b)	Upgradient groundwater sampling for VOCs – identified Mobil gasoline station plume
August 1993	Groundwater OU FS (URS 1993c)	Evaluation of remedial alternatives
September 1994	Landfill Cover System Completed	Implementation of source remedy
March 1995	ROD – Groundwater, Surface Water, and Sediment (URS 1995a)	Selected remedy – groundwater use ICs plus all the components of the source control remedy
December 1995	Groundwater Monitoring Program Initiated (URS 2014b)	Monitoring program described in Section 10.2

10.1.2 Contaminants of Concern

The RI concluded that the primary source of contamination at Landfill LF023 was in the surface soil. A number of SVOCs, all fuel-related PAHs, were found in the surface soil suggesting spills of waste oil at LF023. Silver and one PCB, Aroclor 1254, were also identified as site contaminants in surface soil (ABB 1992a).

The RI also identified a number of VOCs, one SVOC (naphthalene), and metals as groundwater contaminants associated with Landfill LF023. The Landfill LF023 groundwater plume was interpreted to be moving to the southeast, away from the southern end of the landfill (URS 1995a). A Supplemental RI (URS 1993b) identified a second, off-base contaminant plume of fuel-related compounds intruding upon base property from the west. The source of the second plume appeared to be a off-base gasoline station located on Route 22 (Figure 10-1). The off-base plume was upgradient of the residences along Runway Drive, located southwest (sidegradient) of the landfill (Figure 2-4), which use groundwater as a potable resource.

10.1.3 Risk Assessments

Human health risks associated with exposure to site contaminants were assessed for the following exposure pathways:

Current Site Conditions: base still active; no remediation

- Incidental ingestion of and direct contact with surface soil by a security policeman and a child trespasser
- Incidental ingestion of and direct contact with surface water by a child trespasser
- Inhalation of vapors and fugitive dusts by a nearby resident at a mobile home park southwest of Landfill LF023.

Future Site Conditions: base closed; no remediation; residential housing built nearby

- Ingestion of, direct contact with, and inhalation of VOCs from groundwater by a future resident
- Ingestion of and direct contact with surface soil by a future resident and a future child resident
- Incidental ingestion of and direct contact with surface water by a future child resident
- Inhalation of vapors and fugitive dusts by a future resident.

Two sets of cancer and non-cancer risk estimates are presented based on two sets of surface soil data: 1) site-wide average concentrations; and 2) concentrations from the most contaminated quadrant of LF023, the southeast quadrant. Under current conditions, the excess cancer risk for the security policeman ($9x10^{-5}$ and $3x10^{-4}$) are near or slightly higher than the upper bound of the USEPA target cancer risk. The RI concluded that the most realistic risk for the security policeman was the risk associated with the site-wide average surface soil concentration ($9x10^{-5}$). Consequently, the security police were not expected to be at an increased risk of developing cancer over their lifetime (ABB 1992a). All of the remaining excess cancer risks were within or less than the USEPA target risk range. The hazard indices for the current conditions were all less than 1. Therefore, the assumed exposed population was not likely to develop adverse non-carcinogenic effects as a result of exposer to site contaminants.

Under future site conditions there were several exposure pathways for which the excess cancer risk exceeded the USEPA upper bound target risk level and also for which the hazard indices were greater than one. The human health risk assessment concluded that should housing be built adjacent to the landfill, there was clearly a risk of exposure to Landfill LF023 site contaminants for future residents.

An ecological risk assessment performed for landfill LF023 during the RI concluded that population level effects from exposure to site contaminants in surface water and sediments was unlikely (ABB 1992a). No environmental exposure pathways exist for groundwater at the site because terrestrial organisms are not expected to come in contact with it.

10.2 Response Action Summary

10.2.1 Remedy Selection

Landfill LF023 was divided into two OUs. The Source OU addressed the contaminant source (i.e., landfill waste), while the Groundwater, Surface Water, and Sediment OU addressed groundwater, surface water, and sediment contamination present as a result of Landfill LF023. The RODs for the two OUs were signed in September 1992 (ABB 1992e) and March 1995 (URS 1995a), respectively.

Remedial action objectives for Landfill LF023 established by the Source OU ROD were to:

- Minimize potential future human health and current and future ecological risks associated with exposure to chemicals in surface soil
- Minimize potential human health risks associated with exposure to groundwater
- Minimize potential human health risks associated with exposure to fugitive dust
- Minimize infiltration of precipitation to waste materials
- Minimize the potential for contaminant migration from waste material
- Minimize erosion of cover soil.

The remedial action objectives for the Groundwater, Surface Water, and Sediment OU were to:

- Prevent ingestion of water having carcinogens in excess of groundwater applicable or relevant and appropriate requirements (ARARs) and a total cancer risk of greater than $1x10^{-4}$
- Prevent ingestion of water having non-carcinogens in excess of groundwater ARARs or having a total Hazard Index greater than 1.

Since there would be no remediation of the landfill waste, the ROD did not establish RGs.

To meet the RAOs, the selected remedy for the Source OU was a multi-layer, low-permeability barrier cover system to isolate the contaminated soils, control potential landfill gas, and minimize infiltration of water into the landfill. The remedy also included developing a 30-year post-closure monitoring, inspection, and maintenance program for the landfill.

- The LF023 Source OU ROD included a restriction that the integrity of the final cover and any component of the containment or monitoring system within the cover (i.e., monitoring wells) must not be compromised.

Although the Groundwater, Surface Water, and Sediment OU addressed groundwater, surface water, and sediment, the baseline risk assessment concluded that there was no unacceptable risk to human health and the environment posed by surface water or sediment; therefore, remedial action was not required for these media. The selected remedy for the Groundwater, Surface Water, and Sediment OU was ICs to prevent exposure to contaminated groundwater. Further degradation of groundwater would be prevented by the LF023 Source OU cover system and existing groundwater contamination would then be reduced by natural attenuation (URS 1995a). The selected remedy included the following:

- Incorporating all elements of the LF023 Source OU control remedy
- Implementing deed restrictions that prohibit the withdrawal of groundwater for potable use in the area
- Installing one additional side-gradient and two downgradient groundwater monitoring wells
- Conducting long-term environmental monitoring of groundwater
- Establishing action criteria for side-gradient wells to protect drinking water users
- Establishing action criteria for downgradient wells to protect surface water resources
- Performing focused FSs to address action criteria exceedances
- Conducting five-year site reviews.

10.2.2 Remedy Implementation

10.2.2.1 Cover Installation

The remedy selected for the LF023 Source OU was a low-permeability cover system meeting the substantive requirements of 6 NYCRR Part 360 (NYSDEC 1988). The cover system consists of the following components from the ground surface down:

- 6 inches of top soil
- 18-inch-thick barrier protection soil layer
- Non-woven geotextile
- 12-inch-thick soil drainage layer
- Geomembrane - polyvinyl chloride 0.04-inch-thick (40 thousandths or 40 mil)
- 12-inch-thick gas venting layer with 10 gas vents to the surface

The cover system was completed in April 1994.

10.2.2.2 Implementation of ICs

The LF023 Source OU ROD (ABB 1992e) stated that the remedy will include ICs; however specific ICs were not identified. The following restrictions were included in the 2006 New York Quit Claim Deed (AFRPA) based on recommendations made in the first Five-Year Review Report (USEPA 1999):

- Limit development of any structure on the landfill site which would adversely affect human health and safety
- Prevent any adverse action leading to deterioration of the cap
- Prohibit the use of the wells for drinking water or any other use of underlying groundwater
- USAF or regulator access to site monitoring wells must be allowed at all times

- Prohibits the discharge of groundwater that is withdrawn within the Groundwater Restriction Area (Figure A-8 in Appendix A) during construction dewatering to the ground or surface water, without prior written approval of the NYSDCE through the State Pollution Discharge Elimination System permitting process
- Restrict development within the Land Use Restriction Area (Figure A-8 in Appendix A) to that which supports only non-residential use

The area subject to the ICs is shown on Figure A-8 in Appendix A.

10.2.2.3 Post-Closure Monitoring

Post-closure groundwater monitoring at LF023 was initiated in December 1995 (Malcolm Pirnie 1994a) and is currently completed on an annual basis. Groundwater monitoring wells at the site have either a Group A or Group B designation. In all, 13 Group A wells (MW-23-001 through MW-23-013) are installed around the perimeter of the landfill, and four Group B wells (MW-23-101 through MW-23-104) are installed sidegradient/downgradient of the landfill (Figure 10-1). According to the LF023 Groundwater OU ROD (URS 1995a), the two sidegradient wells, MW-23-101 and MW-23-102, were to be monitored quarterly to determine whether or not the Mobil Gasoline Station plume was migrating toward the groundwater users on Runway Drive. The two downgradient wells, MW-23-103 and MW-23-104, are sentry wells for the LF023 groundwater plume. Additionally, samples were previously collected from two surface water sample locations (SW-23-001 and SW-23-002), located south of LF023. Collection of samples from MW-23-101, MW-23-102, SW-23-001 and SW-23-002 was discontinued in 2012.

Sampling events for Group A wells are designated as either “routine” or “baseline” events. “Routine” sampling events consist of collection of groundwater samples for analysis of select metals from all Group A wells. Groundwater samples collected from monitoring wells MW-23-008 and MW-23-009 are also analyzed for VOCs during “routine” sampling events because they had historically been impacted by the off-base, fuel-related contaminant plume originating at the Mobil Gasoline Station on Route 22. The more extensive “baseline” sampling event with additional parameters is completed every fifth year. During the “baseline” sampling events, sampling analytes consist of select VOCs, metals, and leachate indicators (i.e., alkalinity, ammonia, biological oxygen demand, boron, bromide, chemical oxygen demand, chloride, color, cyanide, hardness, nitrate-nitrogen, sulfate, total dissolved solids, total Kjeldahl nitrogen, total organic carbon, and total recoverable phenolics) from all Group A wells. The 13 Group A monitoring wells were initially sampled quarterly, but over time and as more data became available the sampling requirements changed. Based on recommendations made in the Second Five-Year Review Report (URS 2004), from 2005 until 2012, the Group A wells were sampled semi-annually (twice per year). Starting in 2012, groundwater monitoring is completed on an annual basis.

Group B wells are sampled annually for “routine” parameters (i.e., there is not a more extensive “baseline” event). The sampling parameters consist of select VOCs, metals, and SVOCs. The groundwater sample results for the Group B wells are first compared to GWQSs and then to the action criteria, which are higher than the standards for all compounds except zinc. If an action criterion is exceeded for either of the two wells, then follow-up samples will be collected in the next quarter. If an action criterion is exceeded in

two consecutive samples, then a focused FS is to be conducted to develop a remedy for the exceedances (URS 1995a).

In addition to groundwater monitoring wells, seven landfill gas monitoring wells (GMW-1 through GMW-7) are located around the perimeter of LF023 (Figure 3). Field sampling and analysis of these gas wells occurs annually during the sampling events.

10.2.3 System Operation

The USAF is currently conducting post-closure groundwater sampling at Landfill LF023 as described in Section 10.2. Additionally, on an annual basis visual inspection of the landfill is conducted, compliance with LUCs by the current property owner is verified, and the landfill grass is mowed. No deficiencies were noted during the last annual inspection, as discussed in Section 10.4.2.

10.3 Progress Since the Last Five-Year Review

This section includes the protectiveness determinations and statements from the last five-year review (Table 10-2; URS 2014d) as well as the recommendations from the last five-year review and the current status of those recommendations (Table 10-3).

Table 10-2 – Landfill LF023 Protectiveness Determinations/Statements from the 2014 Five-Year Review

Protectiveness Determination	Protectiveness Statement
Protective	The remedy for LF023 is protective of human health and the environment. Exposure pathways that could result in unacceptable risks are being controlled. Threats at the site have been addressed by installing a cap over contaminated fill, installing fencing and warning signs around the landfill, and implementing ICs. Long-term protectiveness of the remedy has been and will continue to be verified by groundwater, surface water, and landfill gas monitoring, as well as site inspections.

Table 10-3 – Landfill LF023 Status of Recommendations from the 2014 FYR

Issue	Recommendations	Current Status	Current Implementation Status Description	Completion Date (if applicable)
No Issue	Continue annual verification of the current owner's compliance with ICs	Ongoing	Site inspections are completed on an annual basis	Annual

10.4 Five-Year Review Process

10.4.1 Document and Analytical Review

This section provides a summary of baseline sampling events for the 13 Group A wells around LF023 because the baseline event is the most comprehensive event including analyses for VOCs, metals and cyanide, and leachate indicator parameters. This section also includes a summary of data from the two downgradient Group B sentry wells. A summary discussion is also provided of concentrations over time for the four metals that have consistently exceeded GWQSs in both the routine and baseline sampling events: iron, manganese, sodium, and chromium.

10.4.1.1 Group A Monitoring Wells

A baseline sampling event of Group A wells most recently occurred in July/August 2018. A summary of the analytical data from the 2018 groundwater sampling event is provided in Appendix B. Trend charts depicting chromium, iron, manganese, and sodium groundwater concentrations over time in are presented in Appendix B.

In 2018, only two VOCs, 1,4-dichlorobenzne (4.4 µg/L) and chlorobenzene (24 µg/L), were detected in monitoring well MW-23-003 at concentrations greater than their respective GWQS of 3 µg/L and 5 µg/L, respectively. Acetone was also detected in most Group A wells, but the detections are attributed to possible laboratory contamination. These results are generally consistent with previous sampling events, where VOCs have been detected most frequently in downgradient wells MW-23-001, MW-23-003, and MW-23-011. The infrequent exceedances of GWQS also primarily occurred in these wells, but the exceedances were generally small. In the sidegradient/upgradient wells on the west side of Landfill LF023, VOCs have been historically detected infrequently. Therefore, the historical data support the conclusion that LF023 is not significantly contributing to VOC contamination of groundwater.

Four metals have most frequently exceeded their respective GWQSs in the baseline event samples: chromium, iron, manganese, and sodium (Appendix B). The following bullets summarize the analytical trend data for these four metals:

- Chromium was less than its GWQS (50 µg/L) in all Group A monitoring wells during the most recent groundwater sampling event completed in August 2018. Chromium was historically measured at a maximum concentration of 5,230 µg/L in MW-23-008 in June 2014. It has been previously reported that most chromium exceedances have occurred in the stainless steel wells, and it is thought that chromium in groundwater may be related to well construction (URS 2014d).
- In August 2018, iron exceeded its GWQS (300 µg/L) in all Group A monitoring wells except MW-23-002, MW-23-008, MW-23-009, and MW-23-010. Exceedances of the GWQS ranged from 350 µg/L (MW-23-005 and MW-23-013) to 74,000 µg/L (MW-23-001).
- In August 2018, manganese exceeded its GWQS (300 µg/L) in monitoring wells MW-23-001, MW-23-003, and MW-23-011. Exceedances of the GWQS ranged from 1,100 J µg/L (MW-23-011) to 1,800 µg/L (MW-23-003).

- Sodium exceeded in GWQS (20,000 µg/L) in all Group A monitoring wells in August 2018 except for MW-23-004. Exceedances of the GWQS ranged from 24,000 µg/L (MW-23-001) to 300,000 µg/L (MW-23-008). Since the initiation of the groundwater monitoring program, there have been wide fluctuations in sodium concentrations. The use of salt along Route 22 and Nomad Drive during the winter months may have contributed to the elevated levels of sodium in groundwater.

The metals antimony, arsenic, barium, beryllium, chromium, copper, nickel, magnesium, and zinc have also been occasionally detected at concentrations above the analytical method detection limit but below their GWQS. These metals do not appear to be significant contributors to groundwater contamination.

As part of the baseline event, all Group A monitoring wells were sampled for leachate indicators (i.e., alkalinity, ammonia, biological oxygen demand, boron, bromide, chemical oxygen demand, chloride, color, cyanide, hardness, nitrate-nitrogen, sulfate, total dissolved solids, total Kjeldahl nitrogen, total organic carbon, and total recoverable phenolics). Consistent with previous baseline sampling events the only exceedances of leachate indicators in 2018 were color, total dissolved solids, and chloride. Results from 2018 are described in the following bullets:

- Color exceeded its GWQS (15 PCU) in MW-23-001 (100 D[2] PCU), MW-23-003 (100 D PCU), MW-23-004 (100 D PCU), MW-23-007 (150 D PCU), and MW-23-011 (100 JD PCU).
- Total dissolved solids exceeded its GWQS (500 milligrams per liter [mg/L]) in MW-23-002, MW-23-003, MW-23-006, MW-23-007, MW-23-008, MW-23-009, MW-23-010, and MW-23-011, with concentrations ranging from 540 mg/L (MW-23-007 and MW-23-010) to 1000 mg/L (MW-23-008).
- Chloride exceeded its GWQS (250 mg/L) in MW-23-008 (490 D mg/L), MW-23-009 (270 mg/L), and MW-23-011 (370 JD mg/L). The presence of chloride in these wells might be related to winter road salt use on Route 22 and Nomad Drive.

Based on the August 2018 results for leachate indicators, it appears that significant leaching is not occurring within the landfill to affect groundwater quality. If significant leaching was occurring, more exceedances of leachate indicators would be expected. The results from the August 2018 sampling for the leachate indicators are in line with past results.

10.4.1.2 Downgradient Group B Sentry Wells

There are two Group B sentry wells, MW-23-103 and MW-23-104 (Figure 11-2), located approximately 500 and 900 feet downgradient, respectively, of the southern boundary of LF023. Groundwater analytical data from the most recent groundwater sampling event, conducted in July/August 2018, is included in Appendix B. The data indicate that contaminants in groundwater at the landfill perimeter do not appear to be significantly impacting the groundwater further downgradient.

Between 2005 and 2018, only arsenic was detected in these two monitoring wells at concentrations greater than the GWQSs, but less than the site-specific action criterion for arsenic. In MW-23-103, the

[2] D: Concentration is based on a diluted sample analysis.

concentrations of arsenic consistently exceeded the GWQS, but in MW-23-104, there were only two exceedances.

10.4.2 Site Inspection

Annual site inspections of Landfill LF023 have been conducted by the USAF, with the most recent inspection occurring on August 1, 2018. Over the past 5 years it has been observed that the ICs are functioning as intended and no violations were observed. Warning signs are in place and legible. The findings of the site inspection are documented in annual Land Use Control/Institutional Controls Compliance Monitoring Reports (URS 2016a, Arcadis 2017, 2018a, 2019a). A copy of the 2018 LUCs Inspection Checklist is provided in Appendix A (Arcadis 2019a).

Additionally, an inspection was completed to assess the integrity of the vegetative layer and landfill cover. The landfill inspection included inspection of the general conditions, erosion and surface conditions, animal control status, unwanted surface activities, fence and signs, and drainage ditches. The integrity of the landfill cover, access road, and monitoring wells were found to be acceptable. Access to the site is restricted by chain-link fencing around the landfill perimeter. The soil cover and perimeter fence appear to have achieved the RAO to minimize direct contact with the landfill soil/waste. A copy of the landfill inspection checklist is provided in Appendix A.

10.5 Technical Assessment

10.5.1 Question A: Is the Remedy Functioning as Intended by the Decision Document?

The selected remedy for Landfill LF023, a multi-layer, low permeability cover system, meets the remedial action objectives. Based on the August 2018 site inspection, the integrity of the landfill cover was acceptable. The remedy is functioning as intended.

10.5.2 Question B: Are the Exposure Assumptions, Toxicity Data, Cleanup Levels and Remedial Action Objectives Used at the Time of the Remedy Selection Still Valid?

There have been no changes in physical conditions, exposure pathways, and land use that would affect the protectiveness of the remedy. The human health and ecological risk assessments for Landfill LF023 were done to support the need for selecting the presumptive remedy, a multi-layer low permeability cover system, which eliminates the risk of exposure to contaminated soil/waste in the landfill and also eliminates future groundwater contamination caused by rainfall infiltrating through the landfill. The remedial action objectives established by the Landfill LF023 RODs are still valid.

10.5.3 Question C: Has Any Other Information Come to Light that Could Call into Question the Protectiveness of the Remedy?

No additional human health or ecological risks have been identified, and no weather-related events have affected the protectiveness of the remedy. No other information has been identified that could call into question the protectiveness of the remedy.

10.6 Issues/Recommendations

No deficiencies were identified during the current five-year review of the Landfill LF023 remedy, and no issues related to current site operations, conditions or activities prevent the remedy from being protective.

A recommendation and follow-up action for Landfill LF023 is included in Table 10-4.

Table 10-4 – Landfill LF023 Recommendation and Follow-Up Action

Issue	Recommendation/ Follow-Up Action	Responsible Party	Oversight Agencies	Milestone Date	Affect Protectiveness?	
					Current	Future
The leachate indicators alkalinity, ammonia, biological oxygen demand, boron, bromide, chemical oxygen demand, cyanide, hardness, nitrate-nitrogen, sulfate, Total Kjeldahl Nitrogen, total organic carbon, and total recoverable phenolics remain below their respective GWQS	Group A monitoring wells should be sampled for only the leachate indicators color, total dissolved solids, and chloride every five years	USAF	NYSDEC and USEPA	Summer 2023	No	No

Routine long-term monitoring of groundwater at Landfill LF023 should continue. Additionally, verification of compliance by the property owner with LUCs should also continue on an annual basis.

10.7 Protectiveness Statement

Protectiveness Statement		
Operable Unit: LF023	*Protectiveness Determination:* Protective	*Addendum Due Date (if applicable):*
Protectiveness Statement: The remedy for Landfill LF023 is protective of human health and the environment. Exposure pathways that could result in unacceptable risks are being controlled. Threats at the site have been addressed by installing a cap over contaminated fill, installing fencing and warning signs around the landfill, and implementing ICs. Long-term protectiveness of the remedy has been and will continue to be verified by groundwater and landfill gas monitoring and site inspections.		

11 LANDFILL LF024

11.1 Site Overview

Landfill LF024 is located in the southwest corner of the base approximately 150 to 200 feet north of the Salmon River (Figure 1-2). Landfill LF024 is approximately one acre in size. Landfill LF024 was used from 1980 until 1986 to dispose of construction and demolition debris. The top of the landfill gently slopes towards steep slopes on the south and east sides of the landfill. Landfill LF024 is grass covered and surrounded by chain-link fence with a locked gate. The site is currently not in use, but the most likely future use is industrial. Groundwater at Landfill LF024 is not being used.

Soil surrounding the sandy fill of the landfill consists primarily of silty sand. The sand becomes finer with depth and grades into silt and clay. Although the silt and clay layer was not completely penetrated by the borings at LF024, it is expected to overlie a layer of glacial till and then bedrock (URS 1997c).

Beneath the landfill, the unconfined water table aquifer is found in the silty sand unit at a depth of 5 feet in the northwest portion of the landfill and at approximately one to two feet at the base of the steep slope, along southeast edge of the landfill. Groundwater lies near the base of the landfill, above the clayey silt layer, which occurs near or at the base of the landfill. The clayey silt layer appears to serve as a confining layer between the water table aquifer and the underlying till layer and confined bedrock aquifer.

The Salmon River serves as a discharge point for local groundwater that flows toward the southeast. Hydraulic conductivity of the silty sand at MW-24-001 is approximately $4x10^{-5}$ cm/sec (Malcolm Pirnie 1994c). The hydraulic gradient in the unconfined aquifer across the landfill in the direction of the Salmon River is about 0.07 ft/ft.

11.1.1 Site Background

From 1980 until 1986, Landfill LF024 was used for the disposal of construction and demolition debris. Landfill wastes were dumped, compacted with a bulldozer, and then covered with sandy soil from the surrounding area.

An overview of key historical events associated with Landfill LF024 is provided in Table 11-1.

Table 11-1 – Landfill LF024 Chronology

Date	Event	Description
1984	Phase I Records Search (Radian 1985)	Review of available base records for Landfill LF024
1993	Site Inspection (Malcolm Pirnie 1994c)	Terrain conductivity, magnetometer, and soil gas surveys; test pits; soil, surface water, and groundwater samples
1995	Human Health Risk Assessment (URS 1995b)	Evaluate health risks in the absence of remedial measures at Landfill LF024
1997	Record of Decision (URS 1997c)	Selected presumptive remedy – native soil cover, long-term groundwater monitoring, and ICs
Spring 1998	Soil cover completed	Implementation of selected remedy
November 1998	Groundwater monitoring program initiated	Monitoring program described in Section 11.2

11.1.2 Contaminants of Concern

The samples from all media collected as part of the SI were found to be essentially free of contaminants except for metals (URS 1997c). Based on the results of the investigation, the SI report (Malcolm Pirnie 1994c) concluded that no further investigation or remedial action was necessary at LF024.

Because of the large amount and heterogeneous nature of the material in the landfill, treatment was not considered practical. Containment was, therefore, considered the appropriate response action or the presumptive remedy (URS 1997c).

11.1.3 Risk Assessments

Although the SI recommended no further action, analytical data collected following the SI was used to perform a human health risk assessment (URS 1995b). The risks of exposure to potentially contaminated media were assessed for the following exposure scenarios:

- Current Site Conditions - The site would remain undeveloped and would be accessible to trespassers. Potentially exposed populations included teenagers and adults. Potential exposure pathways included dermal contact with and incidental ingestion of soil.
- Future Site Conditions - The site would be remediated and developed for industrial use. The potentially exposed populations included construction workers during site development and industrial workers after site development. Potential exposure pathways included dermal contact with and incidental ingestion of soil, inhalation of fugitive dust, and ingestion of groundwater.

For current site conditions, cancer risks and hazard indices are less than USEPA guidelines and risks to human health posed by site contaminants are acceptable. For future conditions, cancer risks fall near the upper end of the acceptable range; however, there is the potential for adverse health effects for worker

inhalation of fugitive or ingestion of groundwater. Manganese was the primary constituent driving the unacceptable health risk for both soil and groundwater (URS 1995b).

An ecological risk assessment was not performed for LF024. It was concluded that ecological risks to potentially exposed terrestrial organisms exposed to contaminated fill and groundwater were expected to be negligible (URS 1997c).

11.2 Response Action Summary

11.2.1 Remedy Selection

The ROD for Landfill LF024 was finalized in March 1997 (URS 1997c). Remedial action objectives established by the ROD are:

- Prevent construction workers from inhaling contaminated fugitive dust resulting from earth-moving activities during site remediation and post-closure maintenance activities;
- Prevent human ingestion of contaminated groundwater on and immediately downgradient of the site; and
- Eliminate potential physical hazards to on-site workers and maintenance personnel from exposed construction debris.

The remedy for Landfill LF024 is source containment, a presumptive remedy selected according to USEPA guidance for presumptive remedies at military landfills (USEPA 1996). The selected remedy was a 12-inch-thick native soil cap and ICs that would:

- Limit development of any structure on the landfill site that would adversely affect human health and safety;
- Prevent any adverse action leading to the deterioration of the cap;
- Prohibit the installation of any wells that could result in the use of the underlying groundwater;
- Prohibit any excavation of the landfill cover without prior approval of NYSDEC; and
- Provide notice in the deed and lease agreements to warn of short-term health risks from inhalation of dust during site construction activities.

Because the landfill waste was not being remediated, the ROD did not establish RGs.

The remedy also included groundwater monitoring for a 30-year post-closure period. Groundwater monitoring was included to meet the substantive requirements of 6 NYCRR Part 360 (NYSDEC 1988), for monitoring at closed solid waste landfills.

11.2.2 Remedy Implementation

Construction of the landfill soil cap was initiated in the summer of 1997 and was completed in the spring of 1998. Long-term groundwater monitoring was initiated in November 1998. The landfill cap limits and long-term monitoring locations are shown on Figure 11-1.

ICs were established by the ROD and implemented through deed restrictions. The area subject to the ICs is shown on Figure A-9 in Appendix A.

The Landfill LF024 ROD (URS 1997c) specified that groundwater samples would be collected from five wells: one upgradient well (MW-24-001), three immediately downgradient wells (MW-24-002 through MW-24-004), and a sentry well (MW-24-005), 100 feet further downgradient and closer to the Salmon River (Figure 10-1). The samples were to be analysed for TAL metals. Samples were to be collected semi-annually (twice per year) for five years after completing the landfill cover (i.e., 1998 to 2003) and annually thereafter.

The Landfill LF024 ROD also contained a provision for modifying the monitoring program during the five-year review process. The Third Five-Year Review Report (URS 2009b) reviewed the TAL metals data for the five years subsequent to the previous five-year review in 2004. The data showed that only two metals, iron and manganese, had consistently exceeded their respective NYSDEC GWQSs during that time period. Based on the limited number of metals exceeding the groundwater standards and the fact that the concentrations had been relatively constant, the Third Five-Year Review Report (URS 2009b) recommended that the sampling frequency be reduced from annually to every two years. This recommendation was implemented following the 2010 Landfill LF024 annual sampling event.

11.2.3 System Operation

The USAF is currently collecting groundwater samples from five monitoring wells at Landfill LF024 every two years. The groundwater samples are analyzed for TAL metals and the results are compared to GWQSs as discussed in Section 11.4.1. On an annual basis, visual inspection of the landfill conditions is conducted and the landfill grass is mowed. No deficiencies were noted during the last annual inspection, as discussed in Section 11.4.2.

11.3 Progress Since the Last Five-Year Review

This section includes the protectiveness determinations and statements from the last five-year review (Table 11-2; URS 2014d) as well as the recommendations from the last five-year review and the current status of those recommendations (Table 11-3).

Table 11-2 – Landfill LF024 Protectiveness Determinations/Statements from the 2014 Five-Year Review

Protectiveness Determination	Protectiveness Statement
Protective	The remedy for LF024 is protective of human health and the environment. Exposure pathways that could result in unacceptable risks are being controlled. Threats at the site have been addressed by installing a soil cover over contaminated fill, installing fencing and warning signs around the landfill, and implementing ICs. Long-term protectiveness of the remedy has been and will continue to be verified by groundwater monitoring and site inspections.

Table 11-3 – Landfill LF024 Status of Recommendations from the 2014 FYR

Issue	Recommendations	Current Status	Current Implementation Status Description	Completion Date (if applicable)
No Issue	Continue annual verification of the current owner's compliance with ICs	Ongoing	Site inspections are completed on an annual basis	Annual

11.4 Five-Year Review Process

11.4.1 Document and Analytical Review

Historically, of the 23 metals analyzed for, only iron and manganese have consistently exceeded their respective GWQSs. Trend charts depicting iron and manganese groundwater concentrations over time in all LF024 wells are presented in Appendix B. A discussion on the analytical trends for these two compounds is presented in the following bullets:

- Iron has routinely exceeded its GWQS (300 µg/L) in all monitoring wells. During the most recent groundwater sampling event conducted in August 2018, exceedances of the GWQS ranged from 670 J µg/L (MW-24-001) to 64,000 J µg/L (MW-24-005). Generally, iron has been measured at higher concentrations in two of the downgradient wells, MW-24-003R and MW-24-002R, than the other wells suggesting that the landfill is the contributing to the iron in groundwater. The concentration of iron appears to fluctuate in these two wells. The concentration of iron in the other monitoring wells have been generally stable, with the exception of the most recent result from MW-24-005.
- During the August 2018 sampling event, manganese exceeded its GWQS (300 µg/L) in all monitoring wells, except MW-24-001; exceedances of the GWQS ranged from 550 µg/L (MW-24-004R) to 5,500 J µg/L (MW-24-005). Manganese has been measured at higher concentrations in MW-24-002R and MW-24-005 than in the other monitoring wells, although concentrations appear to be decreasing. Manganese concentrations in the other three monitoring wells have been generally stable.

11.4.2 Site Inspection

Annual site inspections of LF024 have been conducted by the USAF, with the most recent inspection occurring on August 1, 2018. Over the past 5 years it has been observed that the ICs are functioning as intended and no violations were observed. Warning signs are in place and legible. The findings of the site inspection are documented in the annual Land Use Control/Institutional Controls Compliance Monitoring Reports (URS 2016a, Arcadis 2017, 2018a, 2019a). A copy of the 2018 LUCs Inspection Checklist is provided in Appendix A (Arcadis 2019a).

Additionally, an inspection was completed to assess the integrity of the vegetative layer and landfill cover. The landfill inspection included inspection of the general conditions, erosion and surface conditions, animal control status, unwanted surface activities, fence and signs, and drainage ditches. The integrity of the landfill cover, access road, and monitoring wells were found to be acceptable. Access to the site is restricted by chain-link fencing around the landfill perimeter. The soil cover and perimeter fence appear to have achieved the RAO to minimize direct contact with the landfill soil/waste. A copy of the landfill inspection checklist is provided in Appendix A.

11.5 Technical Assessment

11.5.1 Question A: Is the Remedy Functioning as Intended by the Decision Document?

The selected remedy for Landfill LF024, a 12-inch-thick native soil cover, meets the remedial action objective of preventing direct contact with onsite soils and landfill waste by human or ecological receptors. Based on the August 2018 site inspection, the integrity of the landfill cover was acceptable. ICs implemented as part of the remedy provide additional protection to human health and the environment. The remedy is functioning as intended.

11.5.2 Question B: Are the Exposure Assumptions, Toxicity Data, Cleanup Levels and Remedial Action Objectives Used at the Time of the Remedy Selection Still Valid?

There have been no changes in physical conditions, exposure pathways, and land use that would affect the protectiveness of the remedy. The human health and ecological risk assessments for Landfill LF024 were done to support the need for selecting the presumptive remedy, a 12-inch-thick native soil cap, which eliminates the risk of exposure to contaminated soil/waste in the landfill. The remedial action objectives established by the Landfill LF024 ROD are still valid.

11.5.3 Question C: Has Any Other Information Come to Light that Could Call into Question the Protectiveness of the Remedy?

No other information has been identified and no weather-related events have occurred that could call into question the protectiveness of the remedy.

11.6 Issues/Recommendations

No deficiencies were identified during the current five-year review of the Landfill LF024 remedy, and no issues related to current site operations, conditions or activities prevent the remedy from being protective.

11.7 Protectiveness Statement

Protectiveness Statement		
Operable Unit: LF024	*Protectiveness Determination:* Protective	*Addendum Due Date (if applicable):*
Protectiveness Statement: The remedy for Landfill LF024 is protective of human health and the environment. Exposure pathways that could result in unacceptable risks are being controlled. Threats at the site have been addressed by installing a soil cover over contaminated fill, installing fencing and warning signs around the landfill, and implementing ICs. Long-term protectiveness of the remedy has been and will continue to be verified by groundwater monitoring and site inspections.		

12 SS041 BUILDING 2612 SOIL AND SEDIMENT OPERABLE UNIT

12.1 Site Overview

Site SS041 includes Building 2612, the adjacent areas including a wetland south of Building 2612, and the area between Buildings 2612 and 2616. Site SS041 is bordered by Building 2612 to the north, Arizona Avenue to the west, Idaho Avenue to the south, and a railroad branch line to the east (Figure 12-1). Groundwater at this site is included in the FT002/IA GW OU (Section 3).

The area to the south of Building 2612 is undeveloped and partially wooded. On the east side of the wooded area there is wetland determined to be approximately 1.1 acres in May 2013 (URS 2013a). On the east side of the site, along the base of the railroad embankment, there is a drainage swale that collects water discharged from a storm sewer on the east side of Building 2612. This drainage swale runs south along the embankment and eventually discharges under Idaho Avenue into streams on the golf course (Figure 12-2). Building 2612 is used as an unheated warehouse and the wooded area to the south is undeveloped. Groundwater at the site is not being used.

In the immediate vicinity of Building 2612, there is approximately five to seven feet of well graded sandy fill, likely related to the original construction of the building (URS 2008b). The fill was not encountered in the wooded area south of the building. Underlying the fill is a native fine sand with minor amounts of medium to course sand and silt that is approximately 20 feet thick. There is a silty clay layer underlying the sand that is estimated to be approximately 15 to 20 feet thick at the site. The clay is a confining layer that separates the water table aquifer in the sand from an underlying water-bearing glacial till and bedrock aquifer. Borings at SS041 did not penetrate through the clay to these underlying these layers (URS 2008b); they are inferred to exist at SS041 based on investigations from nearby sites.

Depth to water is approximately 4 to 5 feet bgs. Groundwater flow in this area is to the east-southeast toward Lake Champlain.

12.2 Basis for Taking Action

12.2.1 Site Background

In the early 1960s, Building 2612 was used in support of the Atlas Intercontinental Ballistic Missile Program. When Building 2612 was used by the USAF to support the Atlas missile program, the building housed a laboratory, fuel test area, hydraulic cleaning area, drying oven, parts storage, and a number of above ground process tanks: a vapor degreaser, an alkali cleaning tank, four “pickling” tanks, an acid rinse tank, and a hot water tank (URS 2008b). Details of the specific operations in the building are not known.

At the end of June 1965, the 556th Strategic Missile Squadron was deactivated (Broyhill 2011), and the use of Building 2612 as a Liquid Oxygen Cleaning Plant most likely ended. The equipment in the building was removed some time between 1965 and 1970, when the USAF began using Building 2612 as an

unheated base equipment and supply warehouse. It was used as a warehouse by the USAF until the base was closed in 1995. From 1970 until 1995, the USAF reportedly stored motor oil, lubricants, miscellaneous solvents, propylene and ethylene glycol, corrosion inhibitor, degreasers, aircraft cleaning compounds, hydraulic fluids, and electrical transformers (URS 2008b).

From 1995 to early 1999, Building 2612 was used by PARC to store building materials and grounds equipment (such as tractors, yard equipment, mulch, snow plow parts, street sweeper brushes, and gypsum board). In the spring of 1999, the building was leased to a tenant for use as an equipment storage warehouse. In July 2009, ownership of the parcel containing SS041 was transferred from the USAF to PARC. Building 2612 continues to be used as a warehouse by the current owner.

The building contained numerous floor drains that discharged to a storm sewer on the east side of Building 2612. During the course of investigating buried clay pipe outside of Building 2612 on its south side, a clarifier was found that collected water from inside the building. The clay pipe and the clarifier also discharged to the storm drain. The storm drain, which is shown on Figure 12-2, discharges to the north end of the wetland south of the building. The discharge from the floor drains into the sewer and ultimately into the wetland was hypothesized to be the source of contamination found in soil/sediment in the wetland (URS 2008b). An open-top concrete-walled sump called an ejection pit was also found inside the building. The pit was 3 feet wide, 5 feet long, and 8 feet deep. The ejection pit collected sanitary wastewater and floor drain water from inside the building, which was pumped to a sanitary sewer on the west side of Arizona Avenue.

An overview of key historical events associated with Site SS041 is provided in Table 12-1.

Table 12-1 – Site SS041 Chronology

Date	Event	Description
1994	Basewide Environmental Baseline Survey (USAF 1997)	Evaluation and classification of property for potential environmental issues
1996-1999	Supplemental Evaluation to the Environmental Baseline Survey (URS 2001b)	Site inspection/reconnaissance at Building 2612; environmental sampling inside Building 2612; groundwater sampling; floor drains, ejection pit and piping cleaned, sealed, and abandoned in place
2001-2002	RI (URS 2003c)	Geophysical survey; subsurface soil sampling below and adjacent to Building 26121; wetland sediment sampling; removal of buried piping and clarifier outside Building 2612
2003-2004	Supplemental RI (URS 2007b)	Additional wetland sediment sampling; sediment removal; test trenching and soil sampling adjacent to Building 2616; subsurface soil samples at former ejection pit inside Building 2612
2008	Final RI Report (URS 2008b)	Consolidation of the reports on the RI (URS 2003a) and Supplemental RI (URS 2007b)
2012	SS041 Record of Decision Soil and Sediment OU (FPM 2012)	Selected remedy - soil removal in wetland south of Building 2612
2015	Remedial Action Completion Report (URS 2015a)	Documents remedial construction activities

12.2.2 Contaminants of Concern

VOCs, SVOCs, PCBs, and metals were detected in soil samples collected as part of the RI (URS 2003c). Metals concentrations that exceed the New York State soil cleanup levels were not widespread and did not appear to be a significant source of contamination to groundwater. High concentrations of PAHs in soil samples collected adjacent to Building 2616, to the north of Building 2612, were most likely from asphalt pieces in the soil samples and not associated with Building 2612. Sporadic low-level detections of VOCs, SVOCs and PCBs in soil may have resulted from spills inside the building that migrated to the soil via leaky drainage features; however, the concentrations were below New York State soil cleanup levels (NYSDEC 1994) and were determined to not be of concern.

During the RI and supplemental RI, concentrations of compounds detected in soil samples in and around Building 2612 were compared to the recommended soil cleanup levels in NYSDEC's Technical and Administrative Guidance Memorandum (TAGM) 4046 (NYSDEC 1994). In 2010, the NYSDEC rescinded the TAGM 4046 SCOs (NYSDEC 2010) and replaced them with newer SCOs in 6 NYCRR Part 375 (NYSDEC 2006), which presents soil clean up objectives for residential use, commercial use and industrial use Prior to selecting the SS041 remedy, soil sampling results from the RI and supplemental RI for residual soils that are still in place on site that had concentrations greater than the TAGM SCOs were compared to the new 6 NYCRR Part 375 values. It was concluded that residual soil contamination was present on site at concentrations greater than the 6 NYCRR Part 375 residential use SCOs, but less than the commercial and industrial use values. The exceedances, primarily in soil samples collected adjacent to the southwest corner of Building 2616, are attributed to asphalt at the site. Consequently, no further action for the residual soils at the site was recommended (FPM 2012).

Sediment samples from the wetland south of Building 2612 contained VOCs, PAHs, the PCB Aroclor 1260, and metals. Chemicals most likely mixed with water in the building floor drains and then were discharged into the wetlands. A variety of these contaminants detected exceeded New York State sediment screening criteria.

Groundwater and soil vapor are being addressed as part of Site FT002/IA GW OU.

12.2.3 Risk Assessments

A human health risk assessment was performed for the RI (URS 2003c) and was revised in the RI Addendum (URS 2007b). Both human health risk assessments evaluated potential human exposure to soil and groundwater contamination under future construction and residential development scenarios. Significant and/or widespread residual soil contamination is not considered an issue; therefore, the conclusions reached were that soils in the vicinity of Building 2612 do not pose a significant risk to human health under either scenario. The revised human health risk assessment concluded however, that groundwater contaminants do pose an unacceptable risk to the long-term resident, but not to the construction worker. Risk due to groundwater is being addressed separately under FT002/IA GW OU.

Based on a screening level ecological risk assessment, the RI concluded that sediment containing cadmium at concentrations greater than 2.5 mg/kg and/or chromium greater than 150 mg/kg would result in elevated risks to terrestrial receptors. Consequently, the RI Report (URS 2003c) recommended using

test trenching to further evaluate the extent of sediment contamination in the southern wetland, as well as the extent of PAH contamination in soil north of Building 2612.

12.3 Response Action Summary

12.3.1 Initial Response Actions

In October 2003, test trenching was performed in response to the recommendations made in the RI to further evaluate the extent of chromium and cadmium concentrations in sediments south of Building 2612 and the anomalous PAH concentrations in soils at the southwest corner of Building 2616 (URS 2007b).

Approximately 14 cubic yards of sediments were removed from the wetland in two areas where metals were measured at concentrations that resulted in an unacceptable ecological risk. The excavated sediments were characterized and transported off site to a permitted disposal facility. Confirmatory sampling indicated that there were still concentrations of cadmium and chromium in the remaining sediments that represented an unacceptable ecological risk (the concentrations of cadmium and chromium in the sediment samples exceeded 2.5 mg/kg and 150 mg/kg, respectively). The area of the site with sediments containing elevated cadmium and chromium was estimated to be approximately 3,400 square feet and extended to a depth of about 2 feet. The supplemental RI recommended excavating the approximately 250 cubic yards from this area and restoring the site. This recommendation was later incorporated into the remedy selected in the SS041 ROD (FPM 2012).

Test trenching and soil sampling adjacent to Building 2616, also conducted in October 2003, demonstrated that the PAH contamination found in soil samples collected near Building 2616 was most likely due to asphalt pieces present in the soil caused by previous repeated excavating/backfilling activities through the surficial asphalt pavement. It was concluded that no further action was warranted for the area of PAH contaminated soil. During the test trenching, approximately 3 cubic yards of soil were removed and disposed off-site.

12.3.2 Remedy Selection

The SS041 ROD was signed in September 2012. It establishes that the remedial action objective for the SS041 soil and sediment OU is to reduce contaminant concentrations in the wetland to the RGs for cadmium and chromium listed in Table 12-2 (FPM 2012). The RGs are contaminant-specific cleanup criteria that will eliminate a significant potential threat to ecological receptors and support residential use of the site (FPM 2012). Remediation goals for ecological receptors are from the RI (URS 2008b). Remediation goals for trivalent and hexavalent chromium were added to meet the soil cleanup requirements in 6 NYCRR Part 375.

Table 12-2 – Site SS041 Remediation Goals

Compound	Maximum Allowable Concentration for Ecological Receptors (mg/kg)	Residential Use SCOs (1) (mg/kg)
Cadmium	2.5	2.5
Chromium (Total)	150	NA
Chromium – Hexavalent	NA	22
Chromium – Trivalent	NA	36

Note:
(1) Per 6 NYCRR Part 375 (NYSDEC 2008)

The remedy selected by the SS041 ROD (FPM 2012) includes the following elements:

- Clearing and grubbing of the area to be excavated
- Conducting supplemental delineation of sediment (approximately 40,000 square feet to a depth of 2 to 3 feet) to determine the presence or absence of cadmium or chromium above RGs
- Removing sediment from the wetland (approximately 3,400 square feet to an estimated depth of 2 to 3 feet; 250 cubic yards), until RGs are met for cadmium, trivalent chromium and/or hexavalent chromium
- Performing confirmatory soil sampling
- Disposing the excavated sediment at a permitted landfill
- Backfilling the excavation with clean material
- Seeding the disturbed area.

This remedy addresses the principal threats by removing the contaminants from the wetland and placing them in a controlled landfill, thereby removing the threat of exposure for the potentially impacted terrestrial species and potential residential site users.

The excavation of contaminated soil/sediment from the wetland was planned to remove trivalent and hexavalent chromium in order to meet the residential use SCOs included in Table 12-2 and qualify the SS041 area for residential use in the future and unlimited exposure for ecological receptors (FPM 2012).

12.3.3 Remedy Implementation

Per the Final Record of Decision (FPM 2012), excavation of contaminated soil/sediment and restoration of the area was selected as the remedial alternative for Site SS041. The remedial construction and wetland restoration activities were completed between June 16 and August 22, 2014. The remedial construction and wetland restoration activities were completed in general accordance with the Final ROD (FPM 2012), Contamination Delineation Report and Excavation Plan (URS 2013b), and Joint Application (URS 2014a), and are documented in the Remedial Action Completion Report (URS 2015a).

Pre-excavation sampling was conducted in May and June 2013 and based on the results, approximately 2,500 cubic yards of contaminated sediment were removed to the approximate limits shown on Figure 12-1. The contamination was found to be contained within the wetland itself, but also all along the drainage swale to the culvert under Idaho Avenue. A total of approximately 3,500 tons of material was excavated to achieve the remedial objectives. Post-excavation confirmatory soil sampling of the bottom and sides of the excavation occurred to verify that RGs had been achieved and then the excavation as backfilled. The analytical results from post-excavation confirmation soil samples are provided in the Remedial Action Completion Report (URS 2015a).

Restoration of the wetland with wetland grasses, trees, and plants was completed on August 22, 2014. The restored wetland comprised an area of approximately 0.9 acre. During backfilling and grading operations conducted in July 2014, several deeper pools were constructed and connected to the former drainage swale creating a linear low flow channel to help move water through Site SS041 and enhance the biogeochemical functioning of the restored wetland. In addition, the complexity of water depths throughout Site SS041 were designed to support more biological diversity (URS 2016b).

A Remedial Action Completion Report was finalized in January 2015 (URS 2015a). Post-excavation monitoring of the restored wetland has been conducted on an annual basis since 2005 to evaluate the health and progress of seeded and planted vegetation. The restoration efforts, per USEPA during their review of the Remedial Action Completion Report, require five years of wetlands restoration monitoring and maintenance following the completion of the initial restoration activities. The findings of the 2018 inspection are discussed in greater detail in the Wetland Restoration Monitoring and Maintenance Report – 2018 (Arcadis 2019a).

12.3.4 System Operation

There are no remediation systems associated with SS041.

12.4 Progress Since the Last Five-Year Review

This section includes the protectiveness determinations and statements from the last five-year review (Table 12-3; URS 2014d). No issues/recommendations were identified in the last five-year review.

Table 12-3 – Site SS041 Protectiveness Determinations/Statements from the 2014 Five-Year Review

Protectiveness Determination	Protectiveness Statement
Protective	The remedial action specified by the SS041 ROD to remove cadmium and chromium contaminated soil has been completed. The remedy at SS041 is protective of human health and the environment and exposure pathways that could result in unacceptable risks have been controlled.

The remedial construction and wetland restoration activities were completed between June 16 and August 22, 2014. A total of approximately 3,500 tons of material was excavated to achieve the remedial objectives. The restored wetland comprised an area of approximately 0.9 acre. A Remedial Action Completion Report was finalized in January 2015 (URS 2015a).

Annual monitoring of the restored wetland was completed between 2015 and 2018. During the 2018 inspection, trees and shrubs observed in Site SS041 appeared healthy and the stem density of trees continues to exceed the densities proposed in the approved restoration plan. Findings of the 2018 inspection are discussed in greater detail in the Wetland Restoration Monitoring and Maintenance Report – 2018 (Arcadis 2019c).

12.5 Five-Year Review Process

12.5.1 Document and Analytical Review

Documents reviewed as part of this five-year review that led to the selection of the remedy are discussed in Section 12.2.

12.5.2 Site Inspection

According to the SS041 ROD (FPM 2012), there are no ICs associated with the area designated as the Soil OU (i.e., the wetland area). Groundwater at the site is included in the FT002/IA GW OU which has restrictions pertaining to groundwater use and that Building 2612 remain unoccupied. Building 2612 is currently being used as an unheated warehouse by the current owners and no violations of the FT002/IA GW OU ICs were noted during the FT002/IA GW OU site inspections (Section 3.5.2).

Annual monitoring of the restored wetland is discussed in Section 12.4.

12.6 Technical Assessment

12.6.1 Question A: Is the Remedy Functioning as Intended by the Decision Document?

The remedial action objective established in the SS041 ROD was to reduce contaminant concentrations in the wetland to the RGs for cadmium and chromium listed in Table 12-2. The extent of contamination at the site was delineated prior to excavating soils and collecting confirmatory soil samples to verify that RGs had been achieved. The remedy is functioning as intended by the decision document.

12.6.2 Question B: Are the Exposure Assumptions, Toxicity Data, Cleanup Levels and Remedial Action Objectives Used at the Time of the Remedy Selection Still Valid?

There have been no changes in physical conditions, exposure pathways, and land use that would affect protectiveness of the remedy. RGs related to human health are based on ARARs, namely the residential use SCOs in 6 NYCRR Part 375, rather than risk-based numbers.

The ROD RGs for ecological receptors were based on a screening level risk assessment (URS 2008b). The average concentrations in the confirmation soil samples were well below the ecological risk-based RGs. There have been no changes in toxicity values or ecological risk assessment methodology to

reduce the RGs to less than the confirmation soil sample results. Also, although not cited in the ROD, 6 NYCRR Part 375 has established the following SCOs for ecological resources: cadmium= 4 mg/kg; hexavalent chromium= 1 mg/kg; and trivalent chromium= 41 mg/kg. The average concentrations for these three compounds (0.1 mg/kg, 0.3 mg/kg, and 6.3 mg/kg, respectively) are less than the SCOs.

The toxicity parameters for the COCs (cadmium and chromium) have not changed since the last Five-Year Review (URS 2014d). The USEPA updated their standard default exposure parameters in 2014 (USEPA 2014). Based on updated default exposure parameters adult exposure lifetime estimated cancer risks would be lower and child non-cancer hazards would be higher. However, the SCOs in 6 NYCRR Part 375 have not been revised and the remedy selection is still valid.

12.6.3 Question C: Has Any Other Information Come to Light that Could Call into Question the Protectiveness of the Remedy?

No other information has been identified and no weather-related events have occurred that could call into question the protectiveness of the remedy.

12.6.4 Technical Assessment Summary

According to the information reviewed, the remedy is functioning as intended by the ROD. There have been no changes in the physical conditions of the site that would affect the protectiveness of the remedy and there is no other information that calls into question the protectiveness of the remedy.

12.7 Issues/Recommendations

No deficiencies were identified during the current five-year review of the Site SS041 remedy, and no issues related to current site operations, conditions or activities prevent the remedy from being protective.

12.8 Protectiveness Statement

Protectiveness Statement		
Operable Unit: SS041	*Protectiveness Determination:* Protective	*Addendum Due Date (if applicable):*
Protectiveness Statement: The remedial action specified by the Site SS041 ROD to remove cadmium and chromium contaminated soil has been completed. The remedy at Site SS041 is protective of human health and the environment and exposure pathways that could result in unacceptable risks have been controlled.		

13 PFAS-CONTAMINATED DRINKING WATER

13.1 Site Overview

An Emergency Removal Action was conducted in 2018 in response to the presence of perfluorooctane sulfonate (PFOS) and perfluorooctanoic acid (PFOA) in private drinking water wells adjacent to Former AFB. The USAF supplied bottled water to five residences and installed three whole-home granular activated carbon (GAC) treatment systems.

13.2 Basis for Taking Action

The USAF used Aqueous Film Forming Foam (AFFF) for firefighting and training purposes. The AFFF contained PFOS and PFOA. PFOS and PFOA are fluorinated organic chemicals that are part of a larger group of chemicals referred to as PFAS. Although the USEPA's Office of Water has classified PFOS/PFOA as contaminants of emerging concern, there are currently no federal Safe Drinking Water Act maximum contaminant levels or federal promulgated cleanup levels. In 2009, the USEPA established provisional health advisory (PHA) levels for PFOS and PFOA, 0.4 and 0.2 µg/L, respectively, to protect against potential risk from exposure to these chemicals through drinking water (USEPA 2009). Subsequently in May 2016, the USEPA published PFOS and PFOA lifetime Health Advisory (LHA) values of 0.07 µg/L, and for the sum of the concentrations of PFOS and PFOA a value of 0.07 ug/L (USEPA 2016a and 2016b).

As part of the USAF efforts to evaluate for emerging contaminants, the former fire training area FT002 was investigated for the potential presence of six PFAS (including PFOS and PFOA) in groundwater in 2014. PFOS and PFOA were identified above the USEPA PHA, the action level in place at the time, in 10 of 13 monitoring wells at FT002. In addition, groundwater between the FTA and the downgradient former Plattsburgh AFB boundary to the southeast exceeded the PHA for PFOS in 9 of 22 samples and exceeded the PHA for PFOA in 3 of the 22 samples; the data indicated an apparent PFOS and PFOA plume migrating from the FTA to the southeast (Amec Foster Wheeler 2015a).

13.3 Response Action Summary

13.3.1 Response Action Implementation

The USAF identified the existence of an immediate risk to public health or welfare due to the presence of PFOS/PFOA above the LHA in four private drinking water wells. Emergency removal actions have been completed between December 2015 and May 2017. Table 13-1 summarizes the actions taken. Additional discussion is provided in the Action Memorandum for an Emergency Removal Action, PFOS and PFOA-Contaminated Drinking Water (USAF 2018).

Table 13-1 – Emergency Removal Action Chronology

Date	Location	Description
December 2015/ January 2016	Private residence (RES04) along Route 9 corridor southeast of the former Plattsburgh AFB	Provided bottled water on December 9, 2015 and a whole home treatment system installed January 7, 2016.
December 2015/ January 2016	Private residence (RES29) located east-northeast of the former Plattsburgh AFB (Kemp Lane neighborhood)	Provided bottled water on December 31, 2015 and a whole home treatment system installed January 27, 2016.
January 2016/ February 2016	Private residence (RES28) located east-northeast of the former Plattsburgh AFB (Kemp Lane neighborhood)	A whole home treatment system installed January 27, 2016 and provided bottled water February 1, 2016 (pending testing to verify treatment system operating as designed). Bottled water was not required earlier because the concentration of PFOS was slightly below the PHA. The USAF provided RES28 with a water treatment system as a precaution given the concentration of PFOS was only slightly below the PHA applicable at that time, and this property is proximate to RES29 where there was an exceedance of the PHA; the concentration of PFOS detected at RES28 have consistently been above the LHA.
April 5, 2017	Private drinking water well (RES08) located along Route 9 corridor southeast of the former Plattsburgh AFB	PFOA was identified above the LHA on April 17, 2017, and bottled water provided to property owner on April 18, 2017. Four subsequent rounds of testing from April to November 2017 indicated no exceedance of the LHA; bottled water was discontinued in mid-January 2018.
May 15, 2017	Private residence (RES51) located east-northeast of the former Plattsburgh AFB (Kemp Lane neighborhood)	PFOS identified above LHA and bottled water was provided to property owner on June 2, 2017. This residence does not have adequate space for installation of a whole home water treatment system.

13.4 Progress Since the Last Five-Year Review

Emergency removal actions were initiated in December 2015. This is the first time the emergency removal actions are being evaluated in a first five-year review.

13.5 Five-Year Review Process

Current PFOS/PFOA actions include:

- Continuing coordination with homeowners to conduct quarterly monitoring of whole home treatment systems (RES04, RES28 and RES29).

- Ongoing coordination of bottled water supply to RES 28 whose private water supply well was impacted by PFAS above action levels. Although RES28 has a whole home treatment system, the USAF continues to provide bottled water due to periodic loss of water pressure and inadequate supply, potentially related to operation of the treatment system.
- Ongoing coordination of bottled water supply to RES 51 whose private water supply well was impacted by PFAS above action levels. As noted above, this residence does not have adequate space for installation of a water treatment system.

Planned PFOS/PFOA actions include the following:

- Connection of three residences in the Kemp Lane neighborhood east-northeast of the former Plattsburgh AFB to public water supply (RES28, RES29, RES51).
- Continuation of coordination with homeowners to provide bottled water and monitor whole home treatment systems.
- Supplemental site evaluation to determine options for permanent water supply for the residence (RES04) located along the Route 9 corridor southeast of the former Plattsburgh AFB.

Additional information is provided in the Action Memorandum for an Emergency Removal Action, PFOS and PFOA-Contaminated Drinking Water (USAF 2018).

13.6 Technical Assessment

13.6.1 Question A: Is the Remedy Functioning as Intended by the Decision Document?

The RAO is to eliminate the imminent and substantial danger to human health posed by PFOS/PFOA-contaminated drinking water. The USAF is providing bottled water as an interim or supplemental water supply replacement measure, and has implemented installation of a whole home treatment system using granular activated carbon (GAC) where feasible. Drinking water treated by the whole home treatment systems is sampled quarterly and compared to the USEPA lifetime drinking water Health Advisory. Thirteen rounds of quarterly sampling have been completed and confirm that the treatment systems are removing PFOS/PFOA to non-detectable concentrations from the treated well water. The emergency removal action is functioning as intended by the decision document.

13.6.2 Question B: Are the Exposure Assumptions, Toxicity Data, Cleanup Levels and Remedial Action Objectives Used at the Time of the Remedy Selection Still Valid?

There have been no changes in physical conditions, exposure pathways, and land use that would affect protectiveness of the emergency removal action. There have been no changes to the USEPA lifetime drinking water Health Advisory levels; and there are no other regulatory toxicity data or clean up levels that would affect protectiveness of the emergency removal action.

13.6.3 Question C: Has Any Other Information Come to Light that Could Call into Question the Protectiveness of the Remedy?

No other information has been identified and no weather-related events have occurred that could call into question the protectiveness of the emergency removal action.

13.7 Issues/Recommendations

Table 13-2 – PFAS-Contaminated Drinking Water Recommendation and Follow-Up Action

Issue	Recommendation/ Follow-Up Action	Responsible Party	Oversight Agencies	Milestone Date	Affect Protectiveness?	
					Current	Future
Permanent safe drinking water supply.	Connect three residences east-northeast of the former PAFB to public water supply. Perform supplemental site evaluation to determine options for permanent water supply for the residence located southeast of the former PAFB.	USAF	NYSDEC and USEPA	December 2020	No	No

13.8 Protectiveness Statement

Protectiveness Statement		
Operable Unit: PFAS Contaminated Drinking Water	*Protectiveness Determination:* Protective	*Addendum Due Date (if applicable):*
Protectiveness Statement: The emergency removal action specified by the Action Memorandum to eliminate the imminent and substantial danger to human health posed by PFOS/PFOA-contaminated drinking water is in place and operating as intended. The emergency removal action for PFAS-Contaminated Drinking Water is protective of human health.		

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FIGURES

LEGEND:

Base Boundary

0 20,000 40,000

SCALE IN FEET

FORMER PLATTSBURGH AFB,
PLATTSBURGH, NEW YORK

FIFTH FIVE-YEAR REVIEW

SITE LOCATION

ARCADIS

FIGURE
1-1

Citrix: DIV/GROUP: ENV/IMDV DB/LD: S.BELL PIC: PM: TM:
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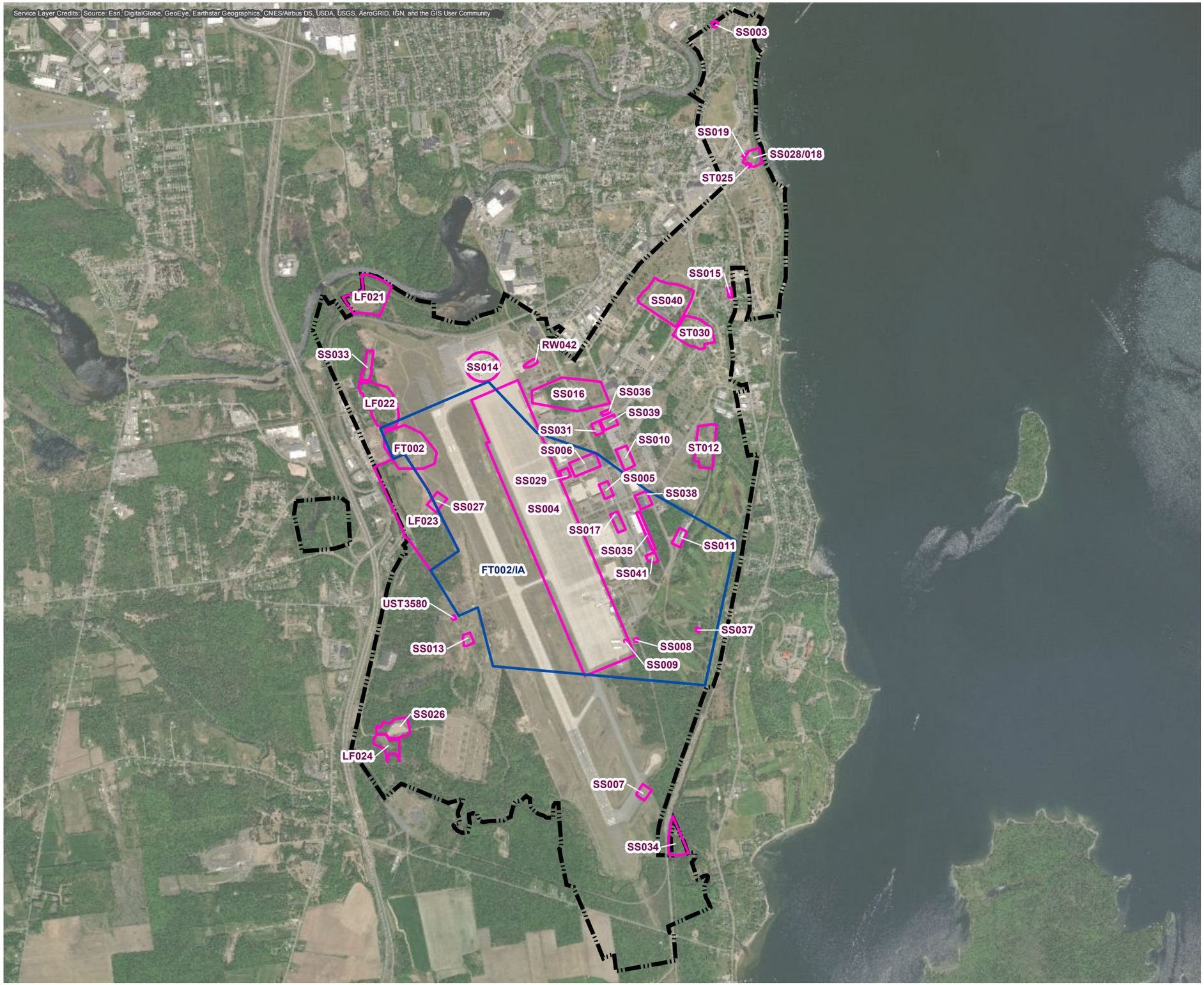

LEGEND:

- FT-002/IA Groundwater Operable Unit
- Site Boundary
- Base Boundary

0 2,500 5,000

SCALE IN FEET

FORMER PLATTSBURGH AFB,
PLATTSBURGH, NEW YORK

FIFTH FIVE-YEAR REVIEW

INSTALLATION RESTORATION PROGRAM SITES

ARCADIS

FIGURE

1-2

Citrix: DIV/GROUP: ENV/IMDV DB/LD: S.BELL PIC: PM: TM:
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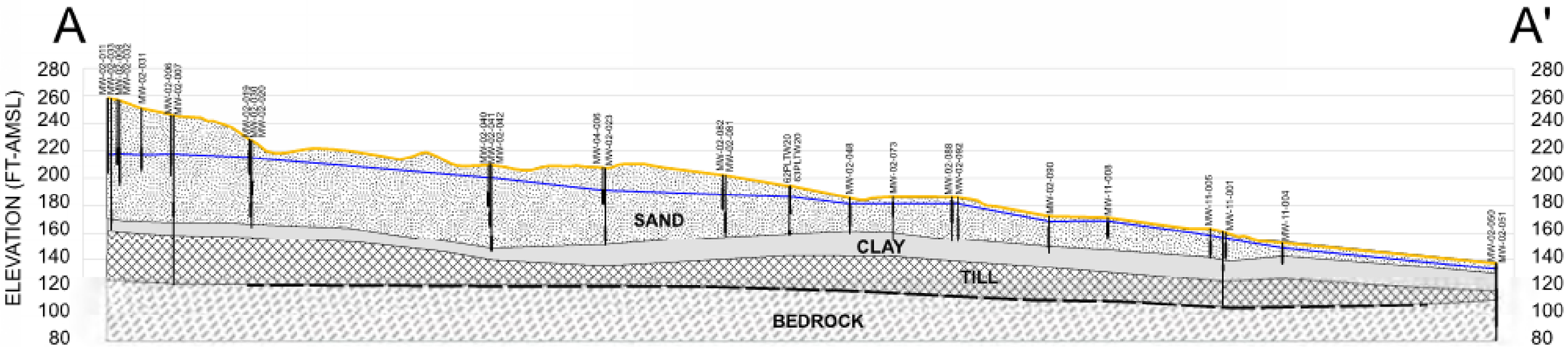
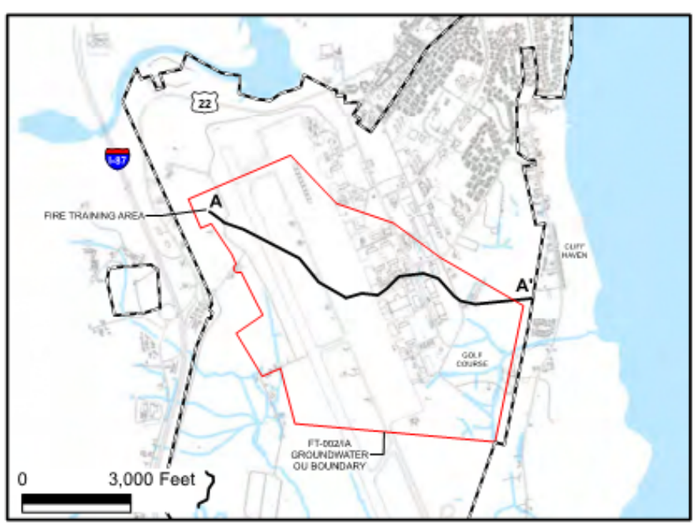


SOURCE: Final Fire Training Area (FT-002)/Industrial Area Groundwater Operable Unit Remedial Investigation/Feasibility Study (URS 2001c)



Legend

- Water Table Surface
- Ground Surface
- Estimated Surface, No Data Available
- Sand
- Clay
- Till
- Bedrock

750 0 750 Feet

FORMER PLATTSBURGH AIR FORCE BASE
PLATTSBURGH, NEW YORK

FIFTH FIVE-YEAR REVIEW

GEOLOGIC CROSS SECTION

ARCADIS

FIGURE
2-1

Citrix DIV/GROUP: ENV/IMDV DB: LD: PIC: PM: TM:
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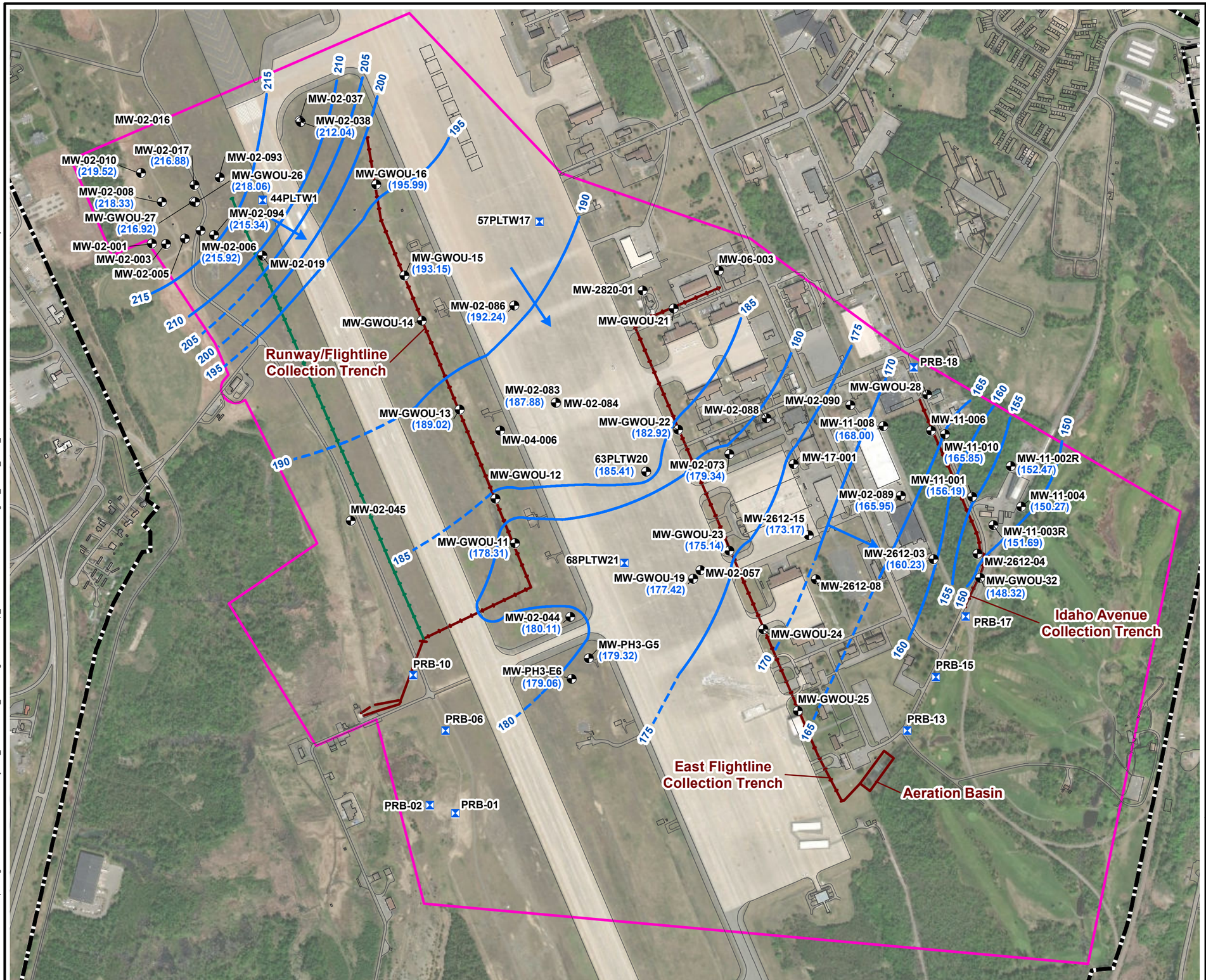

LEGEND:

- Monitoring Well
- Water Level
- (214.50) Groundwater Elevation (March 2018)
- Groundwater Contour (Dashed Where Inferred)
- Groundwater Flow Direction
- Collection Trench
- Conveyance Pipeline
- FT002 Groundwater Operable Unit
- Base Boundary

0 800 1,600

SCALE IN FEET

FORMER PLATTSBURGH AIR FORCE BASE
PLATTSBURGH, NEW YORK

FIFTH FIVE-YEAR REVIEW

GROUNDWATER ELEVATION CONTOURS

ARCADIS

FIGURE
2-2

Citrix: DIV/GROUP: ENV/IMDV DB: LD: PIC: PM: TM:
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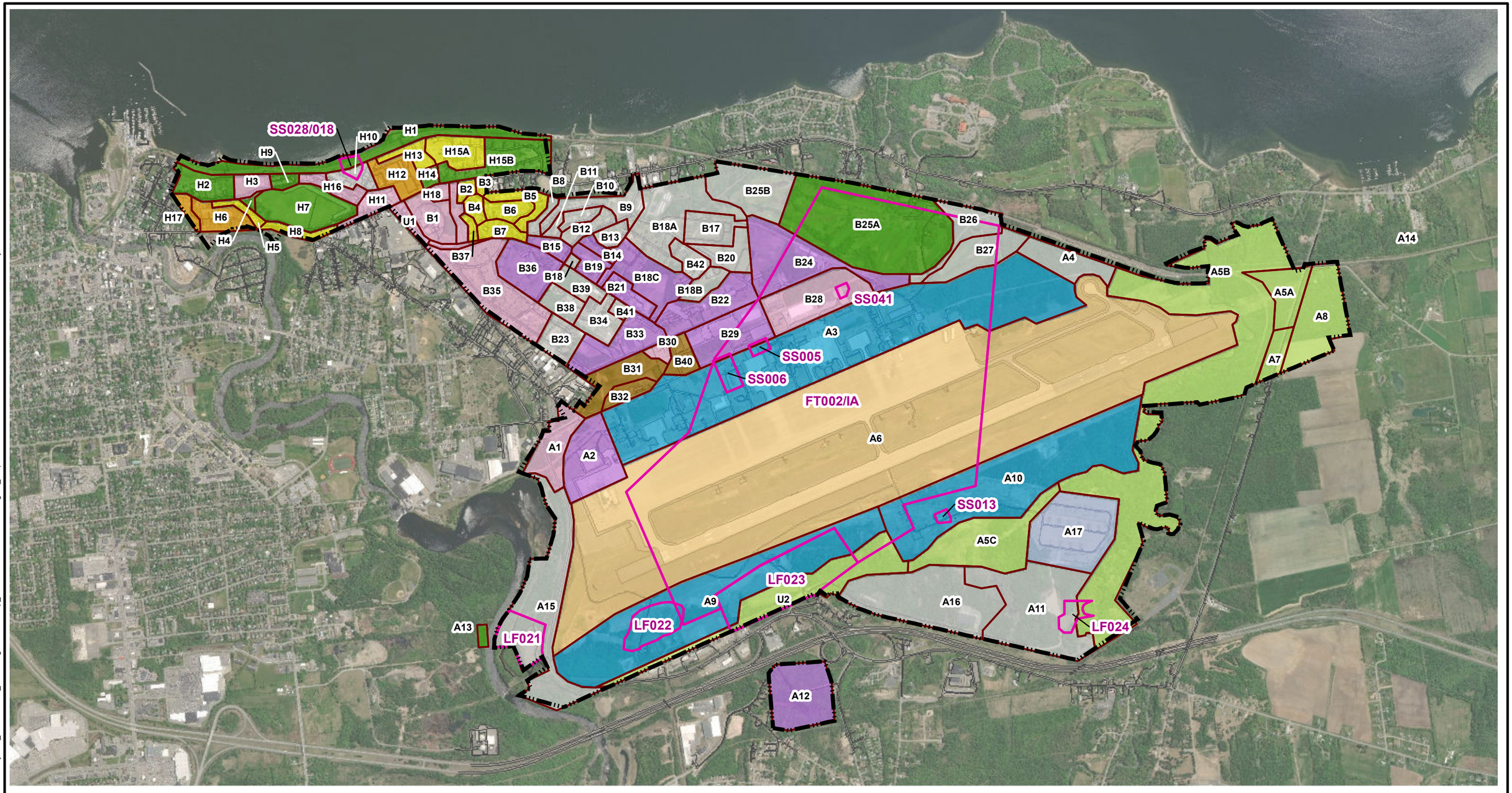

LEGEND:

- PARC Parcels
- Site Boundaries
- Airfield
- Aviation Support
- Commercial
- Commercial/ Aviation Support
- Commercial/ Industrial
- Commercial/ Industrial/ Aviation Support
- Commercial/ Residential
- Industrial
- Industrial/ Aviation Support
- Public/Recreational
- Residential

0 2,000 4,000

SCALE IN FEET

FORMER PLATTSBURGH AIR FORCE BASE
PLATTSBURGH, NEW YORK

FIFTH FIVE-YEAR REVIEW

PROPOSED ACTION FROM MAY 2000 ENVIRONMENTAL ASSESSMENT

ARCADIS

FIGURE **2-3**

Citrix DIV/GROUP: ENV/IMDV DB: LD: PIC: PM: TM:
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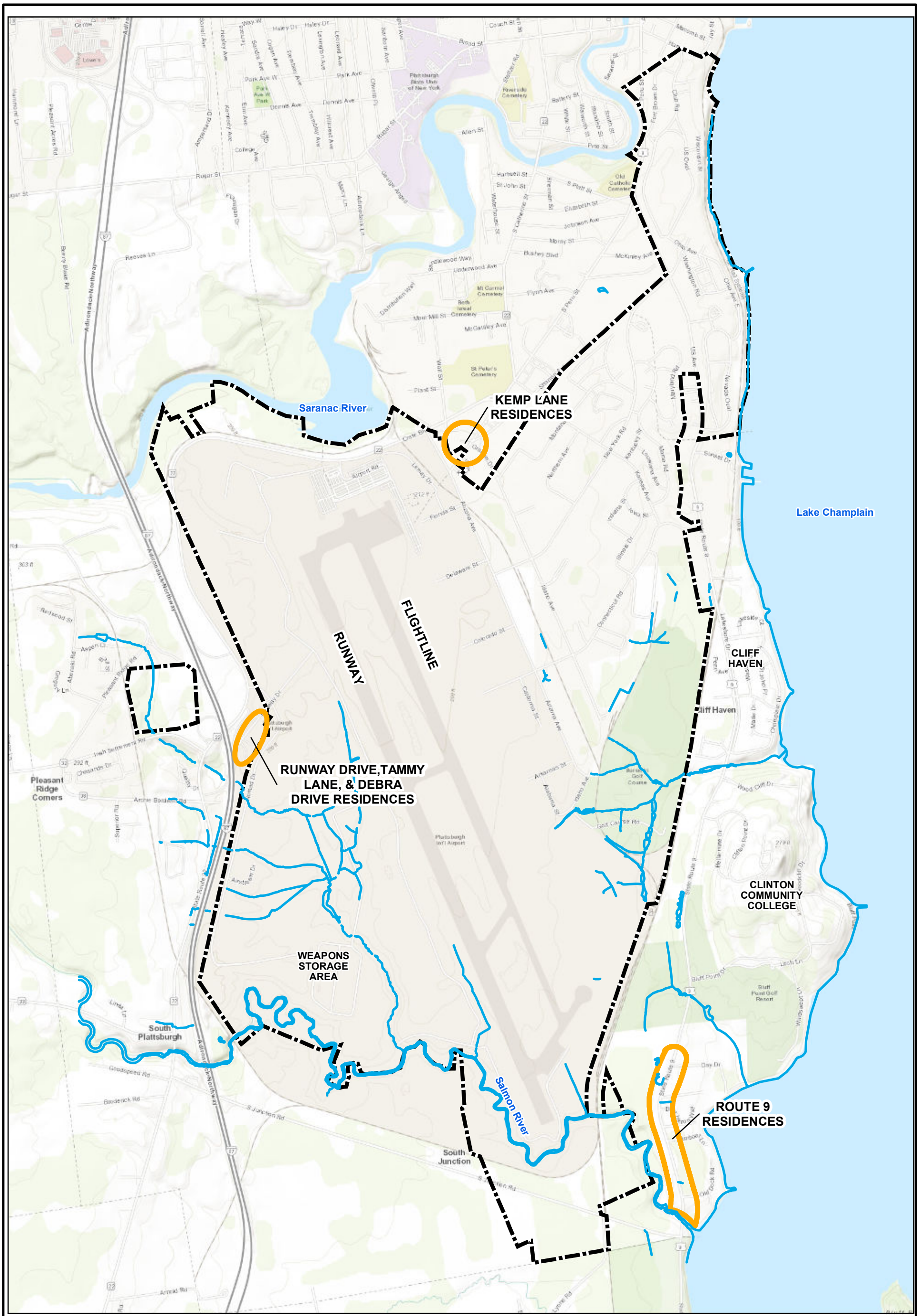

LEGEND:

- Streams
- Well Users
- Base Boundary

FORMER PLATTSBURGH AIR FORCE BASE
PLATTSBURGH, NEW YORK

FIFTH FIVE-YEAR REVIEW

LOCATION OF OFF-BASE RESIDENCES UTILIZING GROUNDWATER FOR PORTABLE USE

ARCADIS

FIGURE
2-4

Citrix DIV/GROUP: ENV/IMDV DB: LD: PIC: PM: TM:
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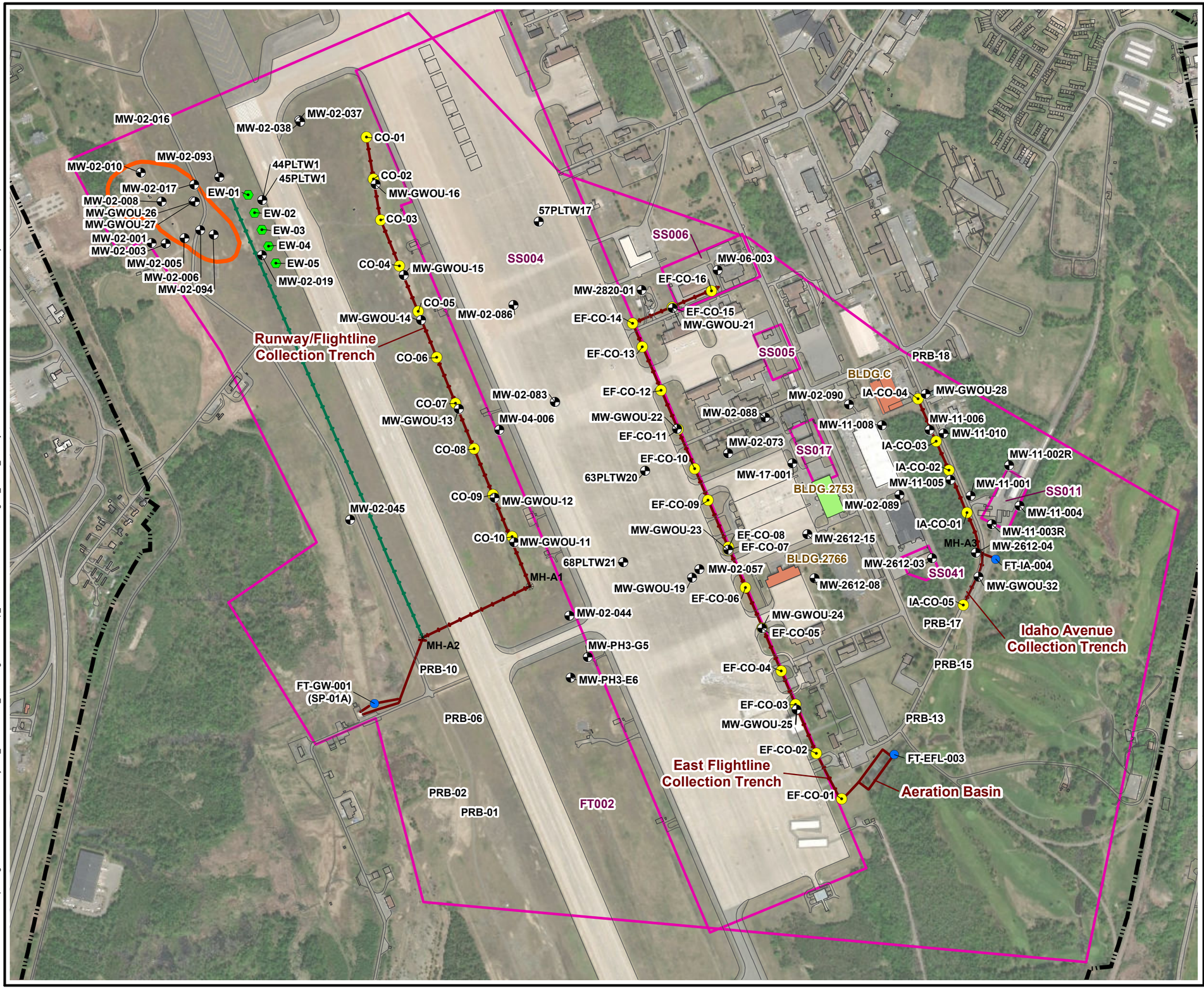

LEGEND:

- Monitoring Well/ Piezometer
- Extraction Well
- Cleanout Location
- Outfall Sampling Location
- Collection Trench
- Conveyance Pipeline
- Soil Vapor Extraction System Operated in Building (Currently in Operation)
- Soil Vapor Extraction System Operated in Building (Currently Deactivated)
- FT-002/Source OU
- Site Boundary
- Base Boundary

0 800 1,600

SCALE IN FEET

FORMER PLATTSBURGH AIR FORCE BASE
PLATTSBURGH, NEW YORK

FIFTH FIVE-YEAR REVIEW

FT-002/INDUSTRIAL AREA GROUNDWATER OPERABLE UNIT SITE LAYOUT

ARCADIS

FIGURE
3-1

Citrix DIV/GROUP: ENV/IMDV DB: LD: PIC: PM: TM:
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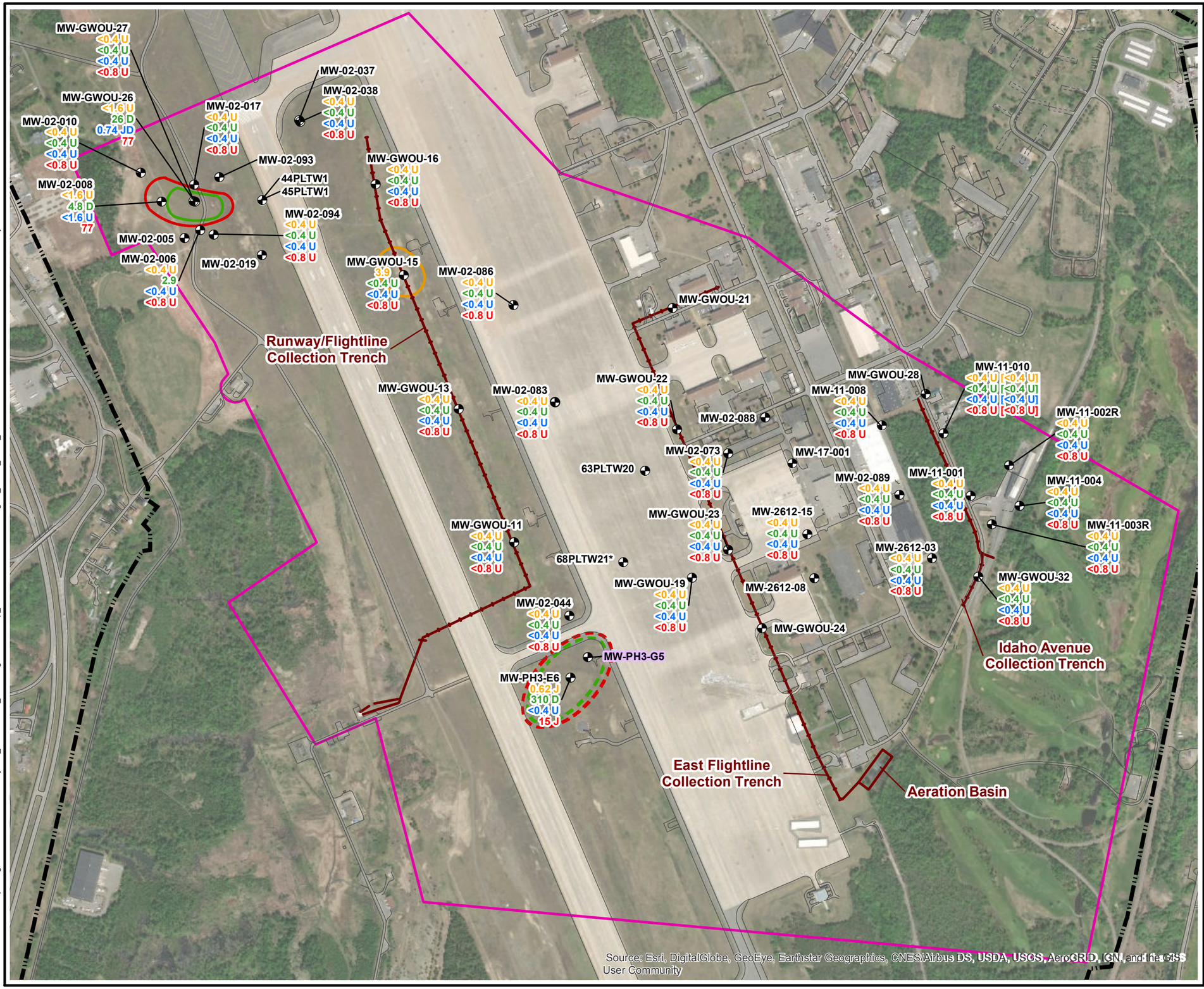

LEGEND:

- Monitoring Well/Piezometer
- Collection Trench
- Site Boundary
- Base Boundary

Isoconcentration - Dashed Where Inferred

- Benzene (1 µg/L)
- Ethylbenzene (5 µg/L)
- Total Xylenes (5 µg/L)

Groundwater Analytical Results - March 2018

MW-02-005	Well ID
<0.4 U	Benzene
<0.4 U	Ethylbenzene
<0.4 U	Toluene
<0.8 U	Total Xylenes

Notes:

1. Results in µg/L = micrograms per liter
2. Non-aqueous phase liquid (NAPL) was measured in MW-PH3-G5 (highlighted purple); a sample was not collected
3. J = Estimated concentration
   D = The reported value is from a dilution
   U = Not detected
   < = less than reporting limit
   [ ] = duplicate sample result
   BTEX = Benzene, Ethylbenzene, Toluene, Total Xylenes

0 800 1,600

SCALE IN FEET

FORMER PLATTSBURGH AIR FORCE BASE
PLATTSBURGH, NEW YORK

FIFTH FIVE-YEAR REVIEW

SITE FT002 DISTRIBUTION OF BTEX IN GROUNDWATER, MARCH 2018

ARCADIS

FIGURE
3-2

Citrix: DIV/GROUP: ENV/IMDV DB: LD: PIC: PM: TM:
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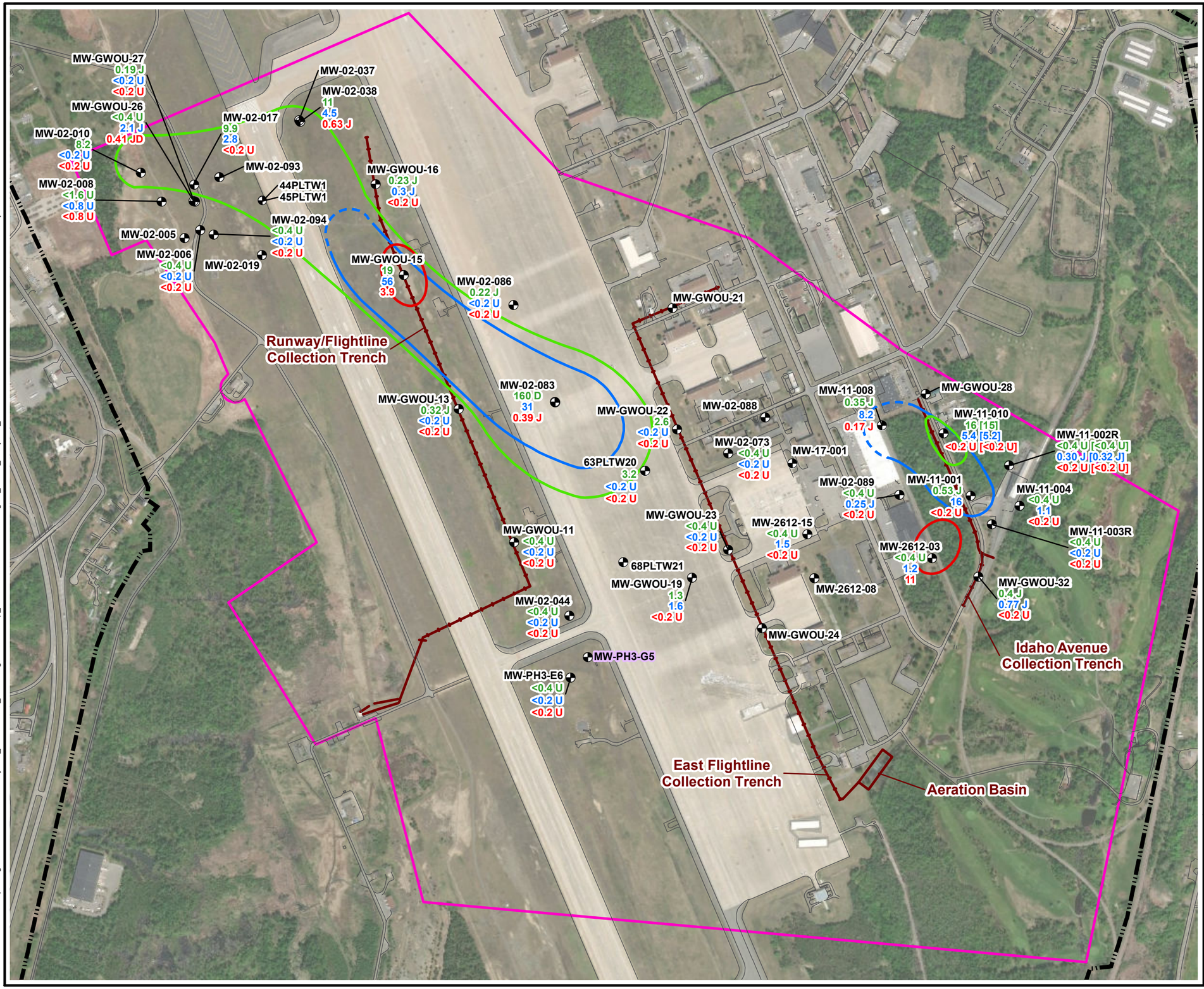

LEGEND:

- Monitoring Well/Piezometer
- Collection Trench
- Site Boundary
- Base Boundary

Isoconcentration - Dashed Where Inferred

- TCE (5 µg/L)
- 1,2-DCE (5 µg/L)
- VC (2 µg/L)

Groundwater Analytical Results (March 2018)

MW-02-005	Well ID
<0.4 U	TCE
<0.2 U	1,2-DCE
<0.2 U	VC

Notes:

1. Results in µg/L = micrograms per liter
2. Non-aqueous phase liquid (NAPL) was measured in MW-PH3-G5 (highlighted in purple); a sample was not collected
3. TCE =Trichloroethene
   1,2-DCE = Sum of cis-1,2-Dichloroethene and trans-1,2-Dichloroethene
   VC = Vinyl Chloride
   J = Estimated concentration
   D = The reported value is from a dilution
   U = Not detected
   <1.0 = less than reporting limit
   [ ] = duplicate sample result

0 800 1,600

SCALE IN FEET

FORMER PLATTSBURGH AIR FORCE BASE
PLATTSBURGH, NEW YORK

FIFTH FIVE-YEAR REVIEW

SITE FT002 DISTRIBUTION OF TCE, 1,2-DCE, AND VC IN GROUNDWATER, MARCH 2018

ARCADIS

FIGURE
3-3

Citrix DIV/GROUP: ENV/IMDV DB: LD: PIC: PM: TM:
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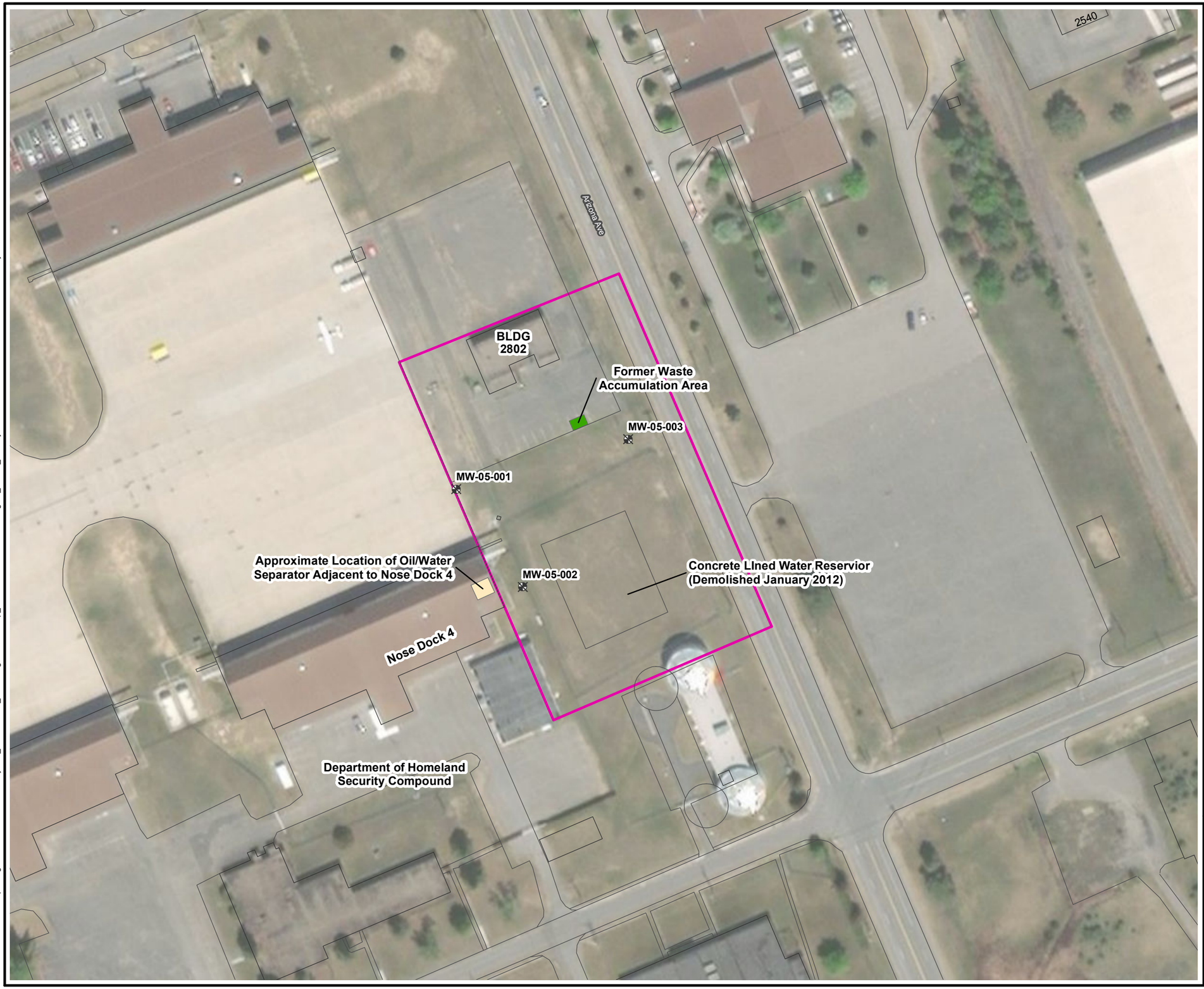

LEGEND:

- Abandoned Monitoring Well
- Former Waste Accumulation Area
- Oil/Water Separator
- Site Boundary

0 100 200

SCALE IN FEET

FORMER PLATTSBURGH AIR FORCE BASE
PLATTSBURGH, NEW YORK

FIFTH FIVE-YEAR REVIEW

SITE SS005 LAYOUT

ARCADIS

FIGURE
4-1

Citrix: DIV/GROUP: ENV/IMDV DB: LD: PIC: PM: TM:
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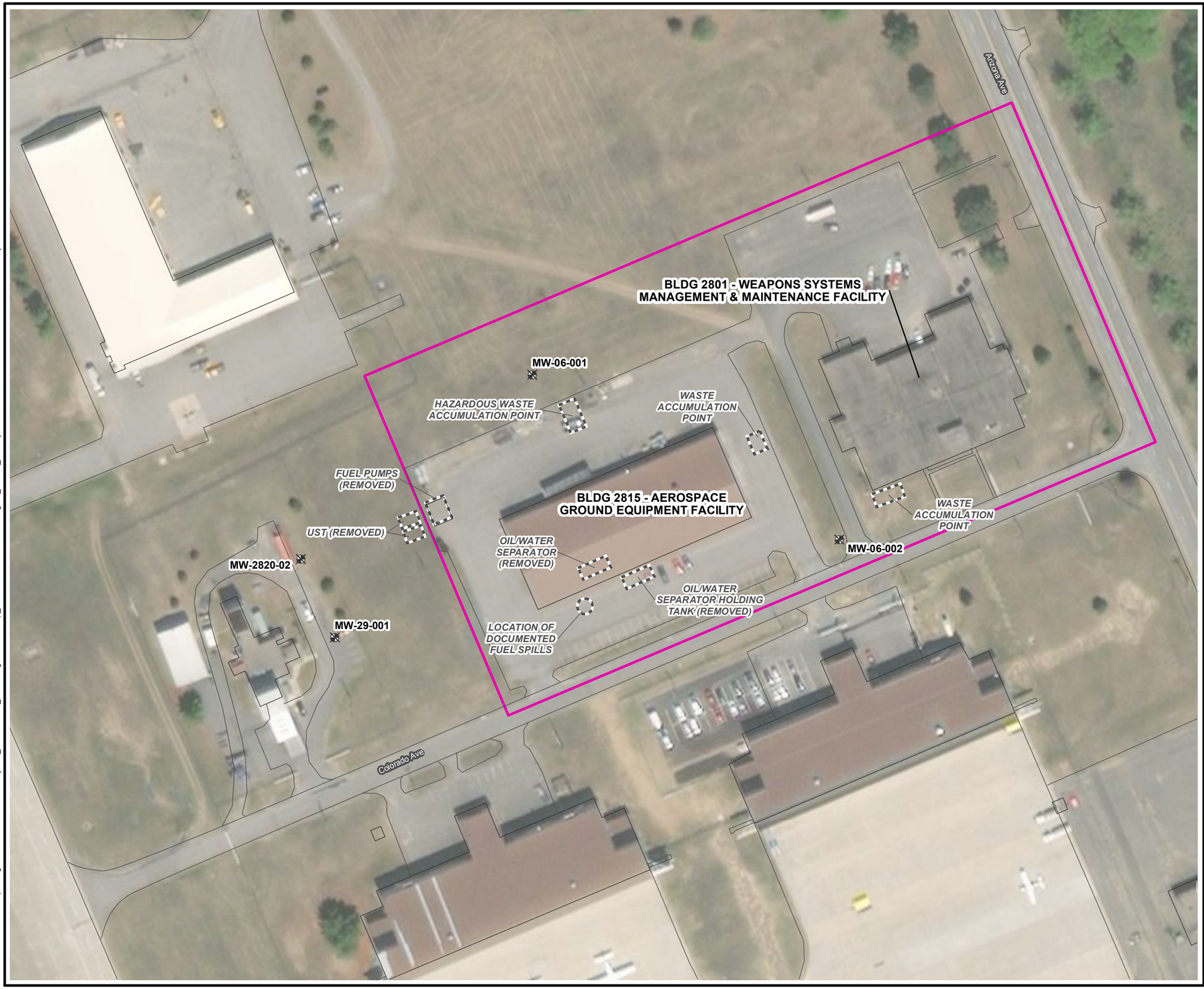

LEGEND:

- Abandoned Monitoring Well
- Former Features
- Site Boundary

0 100 200

SCALE IN FEET

FORMER PLATTSBURGH AIR FORCE BASE
PLATTSBURGH, NEW YORK

FIFTH FIVE-YEAR REVIEW

SITE SS006 LAYOUT

ARCADIS

FIGURE
5-1

Citrix: DIV/GROUP: ENV/IMDV DB: LD: PIC: PM: TM:
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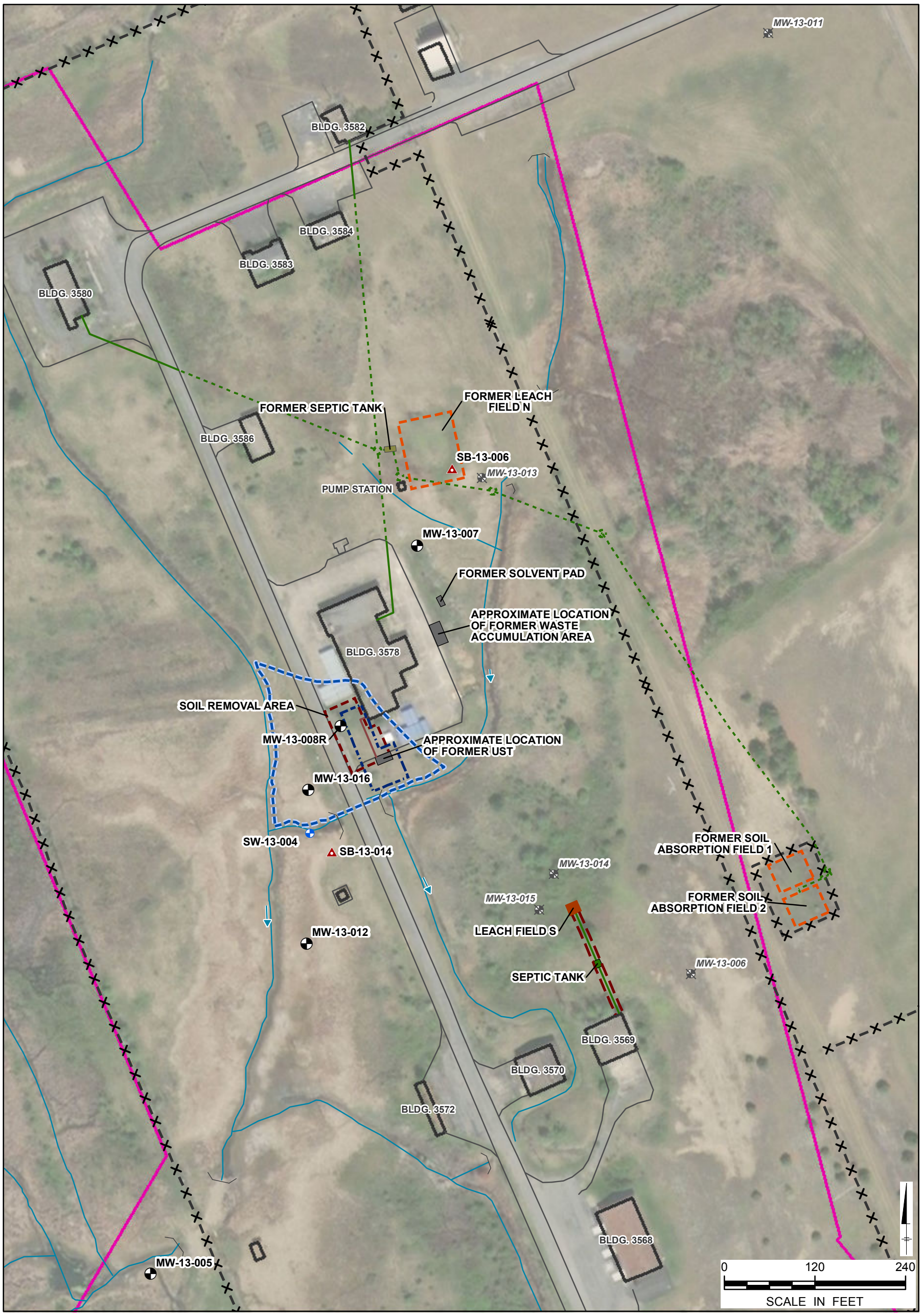

LEGEND:

- Monitoring Well
- Abandoned Monitoring Well
- Soil Boring
- Surface Water Sample
- Fence Line
- Roads
- Streams
- StreamFlowDirection
- Existing Sewer
- Removed Sewer
- Culverts
- Former Piping
- Buildings
- Former Features
- Leach Field
- Removed Leach Field
- Septic Tank
- Former Septic Tank
- 2000/2001 Soil Removal Area
- 1996 Soil Removal Area
- Estimated Extent of Groundwater Contaminant Plume per 2008 ROD
- Site Boundary

FORMER PLATTSBURGH AIR FORCE BASE
PLATTSBURGH, NEW YORK

FIFTH FIVE-YEAR REVIEW

SS013 MUNITIONS MAINTENANCE SQUADRON SITE LAYOUT

ARCADIS

FIGURE
6-1

CITY: SAN FRANCISCO DIV/GROUP: ENV/IM DB: SBELL LD: PIC: PM: TM:
PROJECT: PATH: \\CORPSTORAGE\DATA\ARCGISDATA\GISPROJECTS_ENV\AFCEC_PLATTSBURGH\GIS\ARCMAP_MXD\2019 5TH YR REVIEW\FIG6-2_SS013_SPARGESYSTEMLAYOUT.MXD DATE: 3/6/2019 11:32:01 AM

LEGEND:

- Monitoring Well
- Ozone Sparging Well
- Stream Gauge
- Sparge Lines
- Uncertain Sparge Line
- Treatment System Enclosure
- Roads
- Streams
- StreamFlowDirection
- Buildings
- IC/LUC Site Boundary

0 35 70
SCALE IN FEET

FORMER PLATTSBURGH AIR FORCE BASE
PLATTSBURGH, NEW YORK

FIFTH FIVE-YEAR REVIEW

SITE SS013
SPARGE SYSTEM LAYOUT

ARCADIS

FIGURE
6-2

CITY: SAN FRANCISCO DIV/GROUP: ENV/IM DB: SBELL LD: PIC: PM: TM:
PROJECT: PATH: \\CORPSTORAGE\DATA\ARCGISDATA\GISPROJECTS_ENV\AFCEC_PLATTSBURGH\GIS\ARCMAP_MXD\2019 5TH YR REVIEW\FIG6-3_SS013_VOCS_AUG2017.MXD DATE: 3/6/2019 11:33:07 AM

LEGEND:

- Monitoring Well
- Stream Gauge
- Roads
- Streams
- 2018 Soil Removal Area
- Buildings
- IC/LUC Site Boundary

Fuel Related VOCs, August 2017

- >10 ppb

0 35 70

SCALE IN FEET

Note:
1. VOCs = volatile organic compounds

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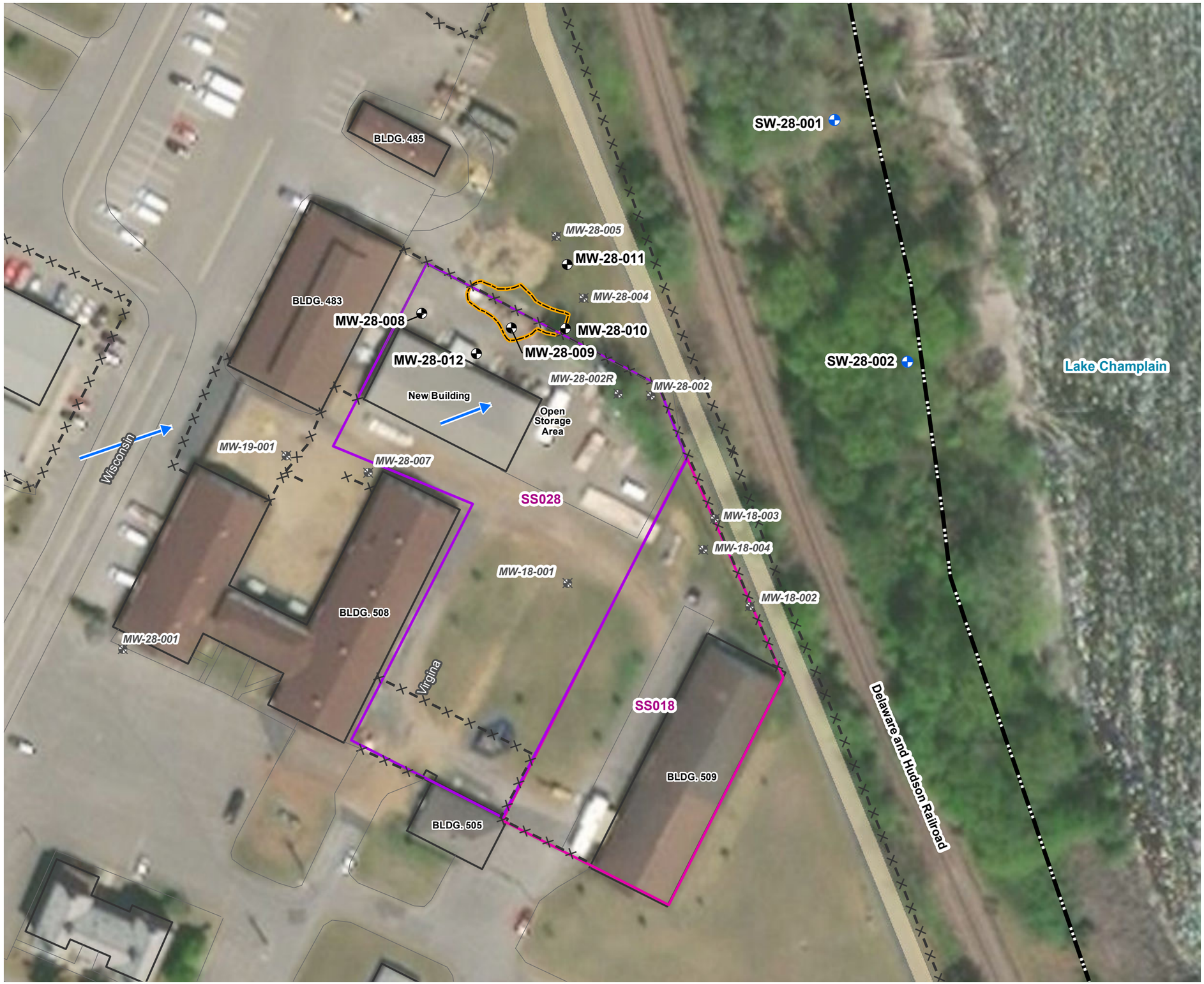
PLATTSBURGH, NEW YORK

FIFTH FIVE-YEAR REVIEW

SITE SS013 DISTRIBUTION OF VOCS IN GROUNDWATER, AUGUST 2017

ARCADIS

FIGURE
6-3



LEGEND:

- Monitoring Well
- Abandoned Monitoring Well
- Surface Water Sample
- Groundwater Flow Direction
- Fence Line
- Excavation Area
- Recreational Trail
- SS018 Site Boundary
- SS028 Site Boundary
- Base Boundary

0 60 120

SCALE IN FEET

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PLATTSBURGH, NEW YORK

FIFTH FIVE-YEAR REVIEW

SITES SS018 AND SS028 LAYOUT

ARCADIS

FIGURE

7-1

Citrix DIV/GROUP: ENV/IMDV DB: LD: PIC: PM: TM:
PROJECT: PATH: \\corpstorage\Data\ArcGisData\GISProjects_ENVAFCEC_Plattsburgh\GIS\ArcMap_MXD\2019 5th Yr Review\Fig7-1_SS018_28_SiteLayout.mxd DATE: 3/12/2019 12:37:12 PM Saved By: sbell

LEGEND:

- Monitoring Well
- Groundwater Flow Direction (August 2018)
- Fence
- Limit of Cap
- Site Boundary
- Base Boundary

0 125 250

SCALE IN FEET

FORMER PLATTSBURGH AIR FORCE BASE
PLATTSBURGH, NEW YORK

FIFTH FIVE-YEAR REVIEW

LANDFILL LF021 LAYOUT

ARCADIS

FIGURE
8-1

Citrix DIV/GROUP: ENV/IMDV DB: LD: PIC: PM: TM:
PROJECT: PATH: \\corpstorage\Data\ArcGisData\GISProjects_ENV\AFCEC_Plattsburgh\GIS\ArcMap_MXD\2019 5th Yr Review\Fig8-1_LF021_Layout.mxd DATE: 3/12/2019 12:38:00 PM Saved By: sbell

LEGEND:

- Monitoring Well
- Groundwater Flow Direction (August 2018)
- Fence Line
- Buildings
- Limit of Cap
- Site Boundary
- Base Boundary

0 150 300

SCALE IN FEET

FORMER PLATTSBURGH AIR FORCE BASE
PLATTSBURGH, NEW YORK

FIFTH FIVE-YEAR REVIEW

LANDFILL LF022 LAYOUT

ARCADIS

FIGURE
9-1

Citrix DIV/GROUP: ENV/IMDV DB: LD: PIC: PM: TM:
PROJECT: PATH: \\corpstorage\Data\ArcGis\data\GISProjects_ENV\AFCEC_Plattsburgh\GIS\ArcMap_MXD\2019 5th Yr Review\Fig9-1_LF022_Layout.mxd DATE: 3/12/2019 12:39:40 PM Saved By: sbell

LEGEND:

- Gas Monitoring Location
- Monitoring Well
- Surface Water Sample
- Groundwater Flow Direction (August 2018)
- Fence Line
- Site Boundary
- Base Boundary

0 300 600

SCALE IN FEET

FORMER PLATTSBURGH AIR FORCE BASE
PLATTSBURGH, NEW YORK

FIFTH FIVE-YEAR REVIEW

LANDFILL LF023 LAYOUT

ARCADIS

FIGURE
10-1

Citrix: DIV/GROUP: ENV/IMDV DB: LD: PIC: PM: TM:
PROJECT: PATH: \\corpstorage\Data\ArcGisData\GISProjects_ENV\AFCEC_Plattsburgh\GIS\ArcMap_MXD\2019 5th Yr Review\Fig10-1_LF023_Layout.mxd DATE: 3/21/2019 11:34:20 AM Saved By: sbell

LEGEND:

- Monitoring Well
- Groundwater Flow Direction (August 2018)
- Rivers
- LandfillCapRestrictionA...
- Site Boundary

0 100 200

SCALE IN FEET

FORMER PLATTSBURGH AIR FORCE BASE
PLATTSBURGH, NEW YORK

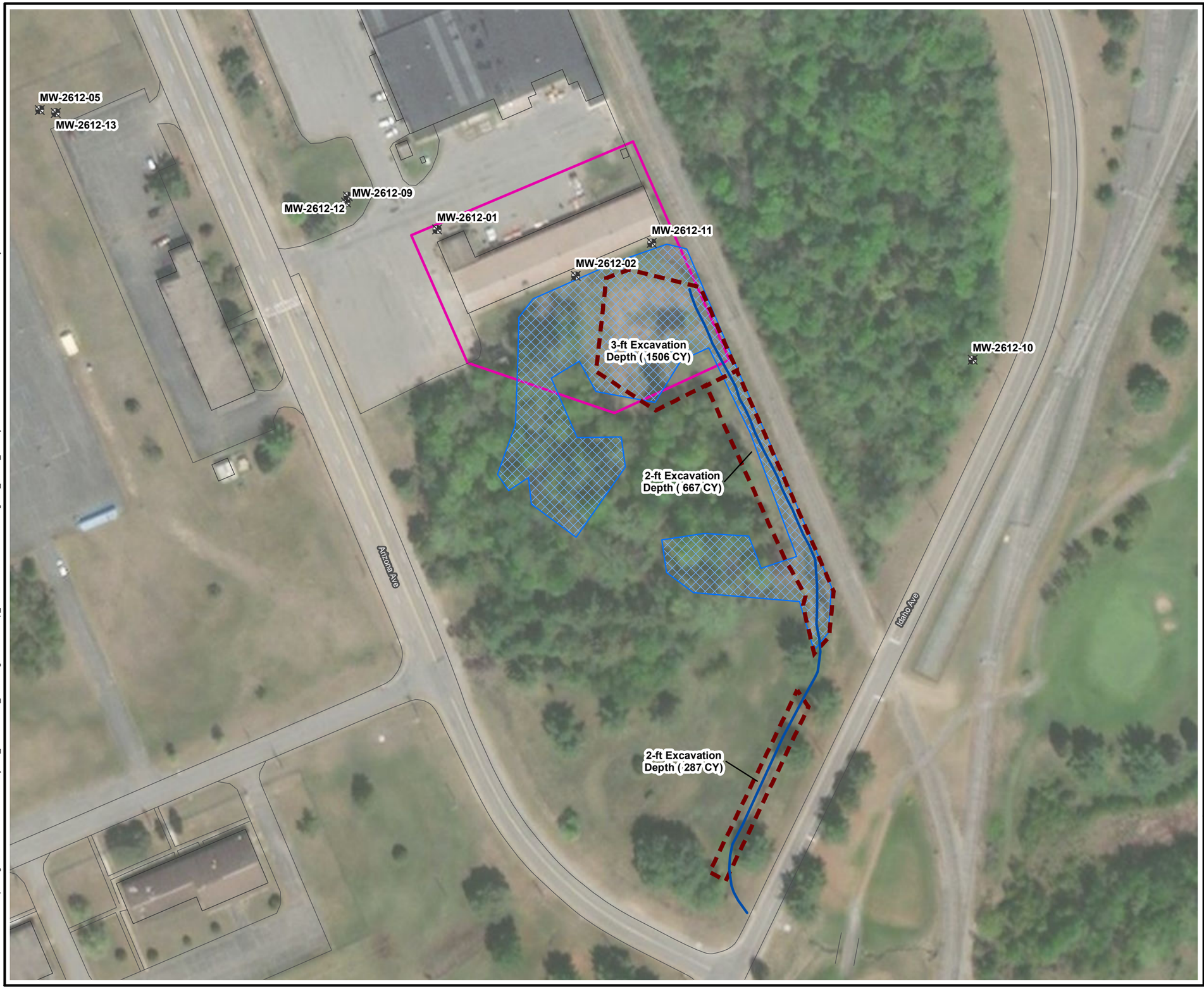
FIFTH FIVE-YEAR REVIEW

LANDFILL LF024 LAYOUT

ARCADIS

FIGURE
11-1

Citrix: DIV/GROUP: ENV/IMDV DB: LD: PIC: PM: TM:
PROJECT: PATH: \\corpstorageData\ArcGisData\GISProjects_ENV\AFCEC_Plattsburgh\GIS\ArcMap_MXD\2019 5th Yr Review\Fig11-1_LF024_Layout.mxd DATE: 1/9/2019 1:26:05 PM Saved By: sbell



LEGEND:

- Abandoned Monitoring Well
- Intermittent Stream/Drainage
- ExcavationAreas
- Wetland Boundary (URS 2013)
- Site Boundary

0 100 200

SCALE IN FEET

FORMER PLATTSBURGH AIR FORCE BASE
PLATTSBURGH, NEW YORK

FIFTH FIVE-YEAR REVIEW

SITE SS041 LAYOUT

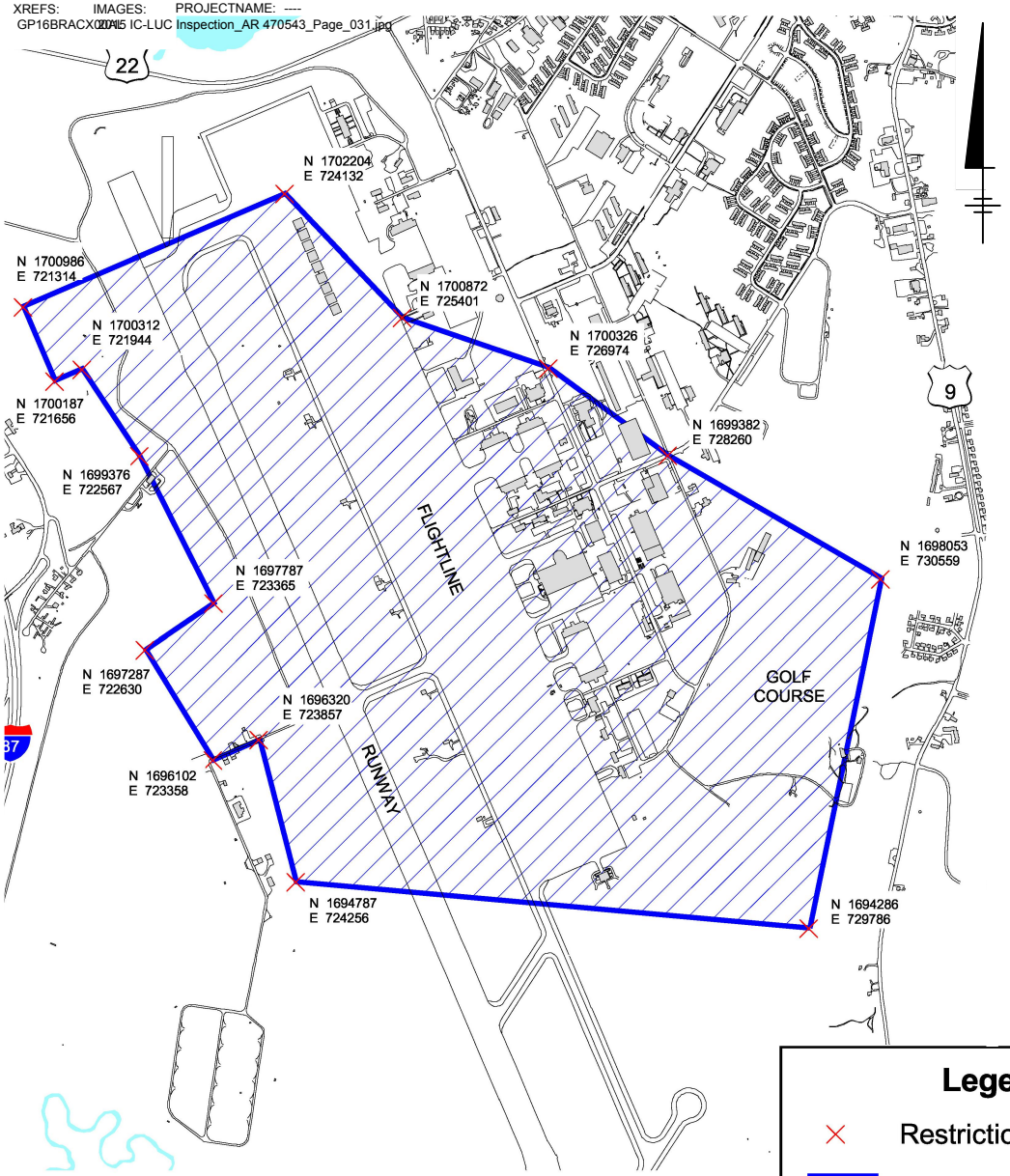
ARCADIS

FIGURE
12-1

Citrix DIV/GROUP: ENV/IMDV DB: LD: PIC: PM: TM:
PROJECT: PATH: \\corpstorage\Data\ArcGisData\GISProjects_ENV\AFCEC_Plattsburgh\GIS\ArcMap_MXD\2019 5th Yr Review\Fig12-1_SS041_SiteLayout.mxd DATE: 1/9/2019 3:37:21 PM Saved By: sbell

APPENDIX A

LUCs Inspection Checklists



LAND USE CONTROLS / INSTITUTIONAL CONTROLS (LUC/IC) TO BE SPECIFIED IN FT-002 / INDUSTRIAL AREA GROUNDWATER OPERABLE UNIT RECORD OF DECISION

1) Prohibit the installation of any wells for drinking water or any other purposes that could result in the use of the underlying groundwater within the area shown.
2) Except for environmental response actions conducted by the USAF pursuant to CERCLA, prohibit discharge of groundwater that is withdrawn within the area shown during construction dewatering to the ground or surface water, without prior approval of the New York State Department of Environmental Conservation (NYSDEC) through the State Pollution Discharge Elimination System (SPDES) permitting process.
3) Prohibit property development or land use that would interfere with the proper operation of the remedy selected in the ROD. Except for utility improvements, surface paving, and modification of the grade established during construction of the physical remedy with USAF pre-approval, prohibit any development within 20 feet of any aboveground structure or underground structure constructed as part of the active physical remedy (these structures include but are not limited to pumping wells, underground and overhead electrical wiring, collection drains, piping, groundwater treatment facilities, aeration basins, manholes, and pump stations). Except for utility improvements, surface paving, and modification of the grade established during construction of the physical remedy with USAF pre-approval, prohibit any development within 5 feet of any monitoring point that will be used in the monitoring of the physical remedy. "USAF pre-approval" means that any utility improvements, surface paving removal or construction, or modification of the grade established during construction of the physical remedy within 20 feet of any aboveground structure or underground structure constructed as part of the active physical remedy (as itemized above) shall be approved by the USAF prior to the initiation of such activities. "USAF pre-approval" also means that any utility improvements, surface paving removal or construction, or modification of the grade established during construction of the physical remedy, within 5 feet of any monitoring point that will be used in the monitoring of the physical remedy, shall be approved by the USAF prior to the initiation of such activities. The locations of structures and monitoring points of the physical remedy will be established by survey following construction. A map showing the structures and monitoring points referenced to horizontal coordinates will be included in all property transfer and lease agreements.
4) Any excavation within the Area Subject to Institutional Controls shall be conducted in a manner that prevents migration of groundwater contamination into the deep groundwater aquifer. Penetration of the subsurface clay confining layer, without the prior written approval of the Air Force, NYSDEC, and USEPA, is prohibited.
5) Prohibit residential property development or residential land use within the area shown.
6) With respect to risks that may be posed via indoor air contaminated by chemicals volatilizing from the groundwater (vapor intrusion), a grantee covenant in the deed will require that (a) modifications to existing or construction of new buildings within the identified groundwater restriction area must be performed in a manner that would mitigate unacceptable risk under CERCLA and the NCP; or (b) an evaluation of the potential for unacceptable risk must occur prior to the erection of any structure or the use of any existing building or structure in the Area Subject to Institutional Controls and include mitigation of the vapor intrusion in the design/construction of the structure prior to occupancy if an unacceptable risk under CERCLA and the NCP is posed. Any such mitigation or evaluations will be coordinated with the USEPA and NYSDEC.
NOTE: Air Force or Regulatory Agency access to wells and remedial systems within the restriction area must be allowed at all times.

0 2000' 4000'
GRAPHIC SCALE

Legend

Restriction Area Corner

Restriction Area

Note: Coordinates are based on New York State Plane Coordinate System, Transverse Mercator Projection East Zone, North American Datum of 1927.

SOURCE:
URS GROUP, INC. LAND USE CONTROLS/INSTITUTIONAL CONTROLS, 2015 COMPLIANCE MONITORING. JANUARY 2016.

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PLATTSBURG, NEW YORK
FIFTH FIVE-YEAR REVIEW

FT002/IA GW OU
LAND USE CONTROLS

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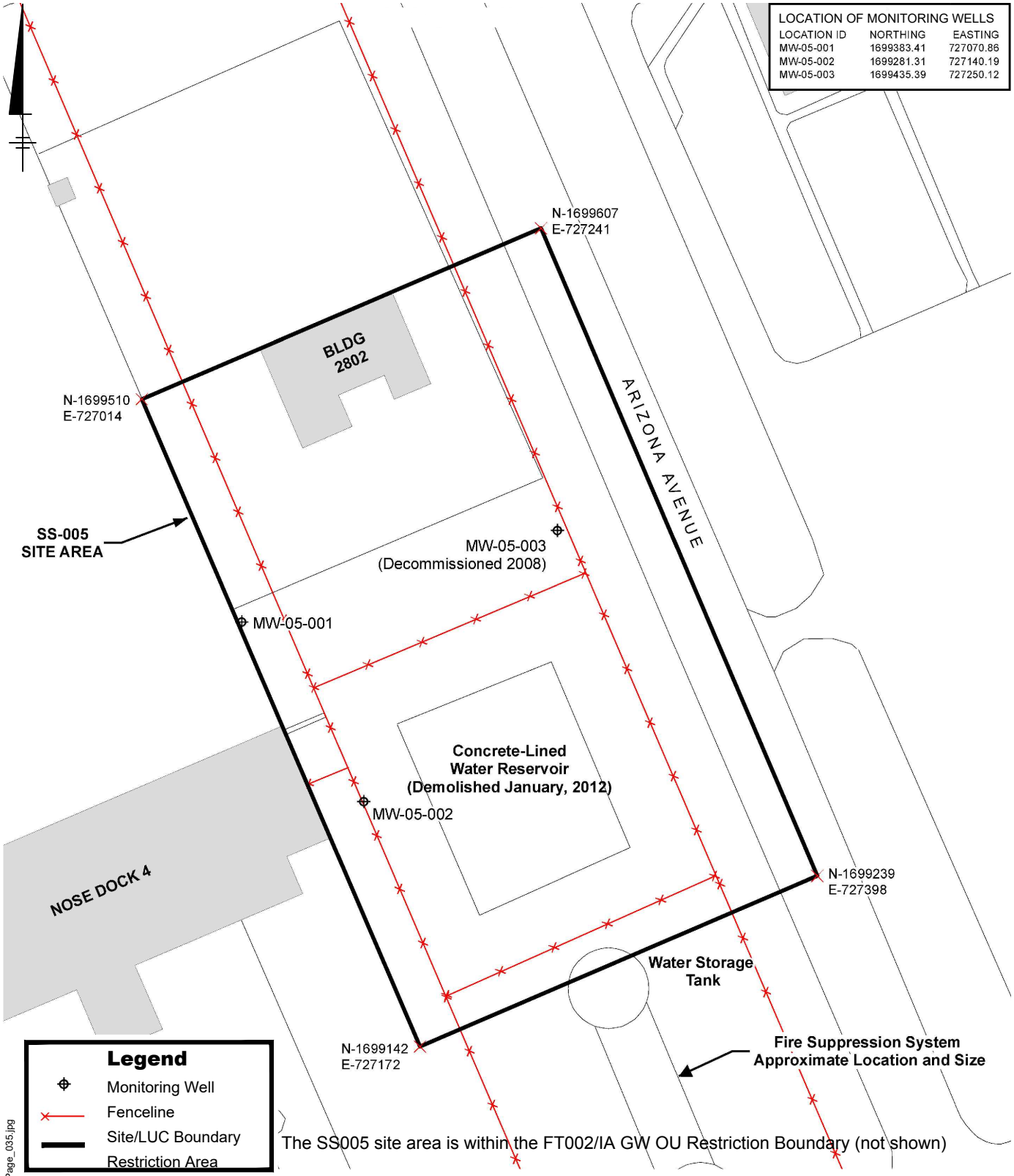
FIGURE
A-1



LAND USE CONTROLS / INSTITUTIONAL CONTROLS SPECIFIED IN THE SS-005 SOIL OPERABLE UNIT RECORD OF DECISION DATED APRIL 1998:
- Development of the site is limited to non-residential use.
- Installation of wells for use of the underlying groundwater is prohibited.

Note: Groundwater monitoring wells shown above must not be disturbed, and Air Force or Regulatory Agency access to these wells must be allowed at all times.

80 0 80 Feet

SOURCE:
URS GROUP, INC. LAND USE CONTROLS/INSTITUTIONAL CONTROLS, 2015 COMPLIANCE MONITORING. JANUARY 2016.

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PLATTSBURG, NEW YORK
FIFTH FIVE-YEAR REVIEW

SS005 SOIL OPERABLE UNIT LAND USE CONTROLS

ARCADIS Design & Consultancy for natural and built assets

FIGURE
A-2

CITY:(Newtown, Pa) DIV/GROUP:(ENVCAD) DB:(M. Wasilewski) LD:(M. Wasilewski) PIC:(L. Peters) PM:(P. Milionis) TM:(P. Milionis) LYR:(Opt)ON=*;OFF=*REF*
C:\BIM\OneDrive - ARCADIS\BIM 360 Docs\US AIR FORCE\PLATTSBURGH SC SITE ACTIVITIES\2019\GP16BRAC.SC00\01-DWG\FYR-FIG-A2 OU-SS005 LUCIC.dwg LAYOUT: 3 SAVED: 4/26/2019 3:51 PM ACADVER: 23.0S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: ---- PLOTTED: 4/26/2019
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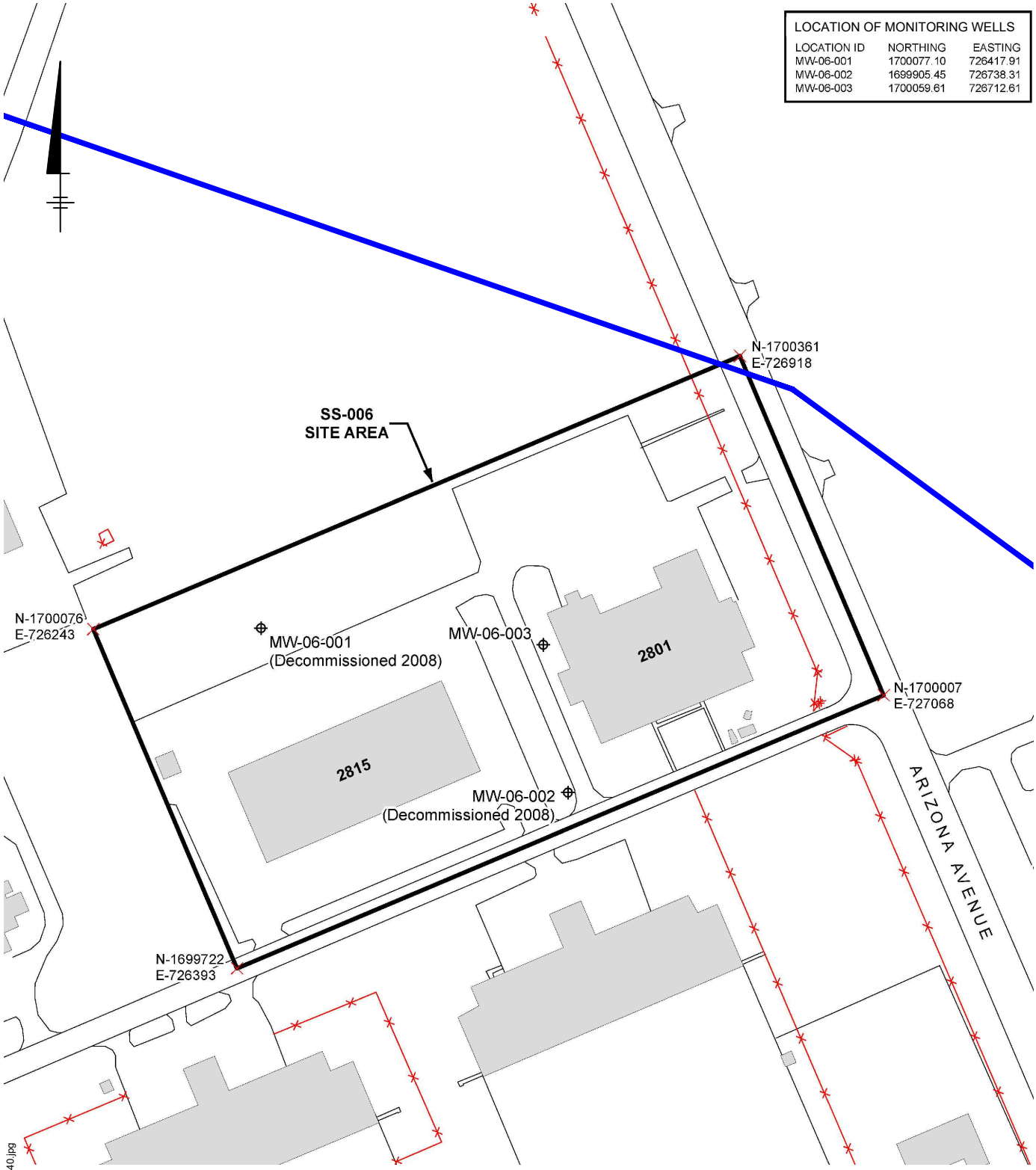
XREFS: IMAGES: PROJECTNAME: ---
GP16BRACX0045 IC-LUC Inspection_AR 470543_Page_035.jpg



Legend

- Monitoring Well
- Fenceline
- Site Boundary
- Restriction Area

150 0 150 Feet

SS006 is within the FT002 IA/GW OU Restriction Area

LAND USE CONTROLS / INSTITUTIONAL CONTROLS SPECIFIED IN THE SS-006 SOIL OPERABLE UNIT RECORD OF DECISION DATED APRIL 1998:
- Development of the site is limited to non-residential use.
- Installation of wells for use of the underlying groundwater is prohibited.

Note: Groundwater monitoring wells shown above must not be disturbed, and Air Force or Regulatory Agency access to these wells must be allowed at all times.

SOURCE:
URS GROUP, INC. LAND USE CONTROLS/INSTITUTIONAL CONTROLS, 2015 COMPLIANCE MONITORING. JANUARY 2016.

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PLATTSBURG, NEW YORK
FIFTH FIVE-YEAR REVIEW

SS006 SOIL OPERABLE UNIT LAND USE CONTROLS

ARCADIS Design & Consultancy for natural and built assets

FIGURE
A-3

CITY:(Newtown, Pa) DIV/GROUP:(ENVCAD) DB:(M. Wasilewski) LD:(M. Wasilewski) PIC:(L. Peters) PM:(P. Milionis) TM:(P. Milionis) LYR:(Opt)ON=*;OFF=*REF*
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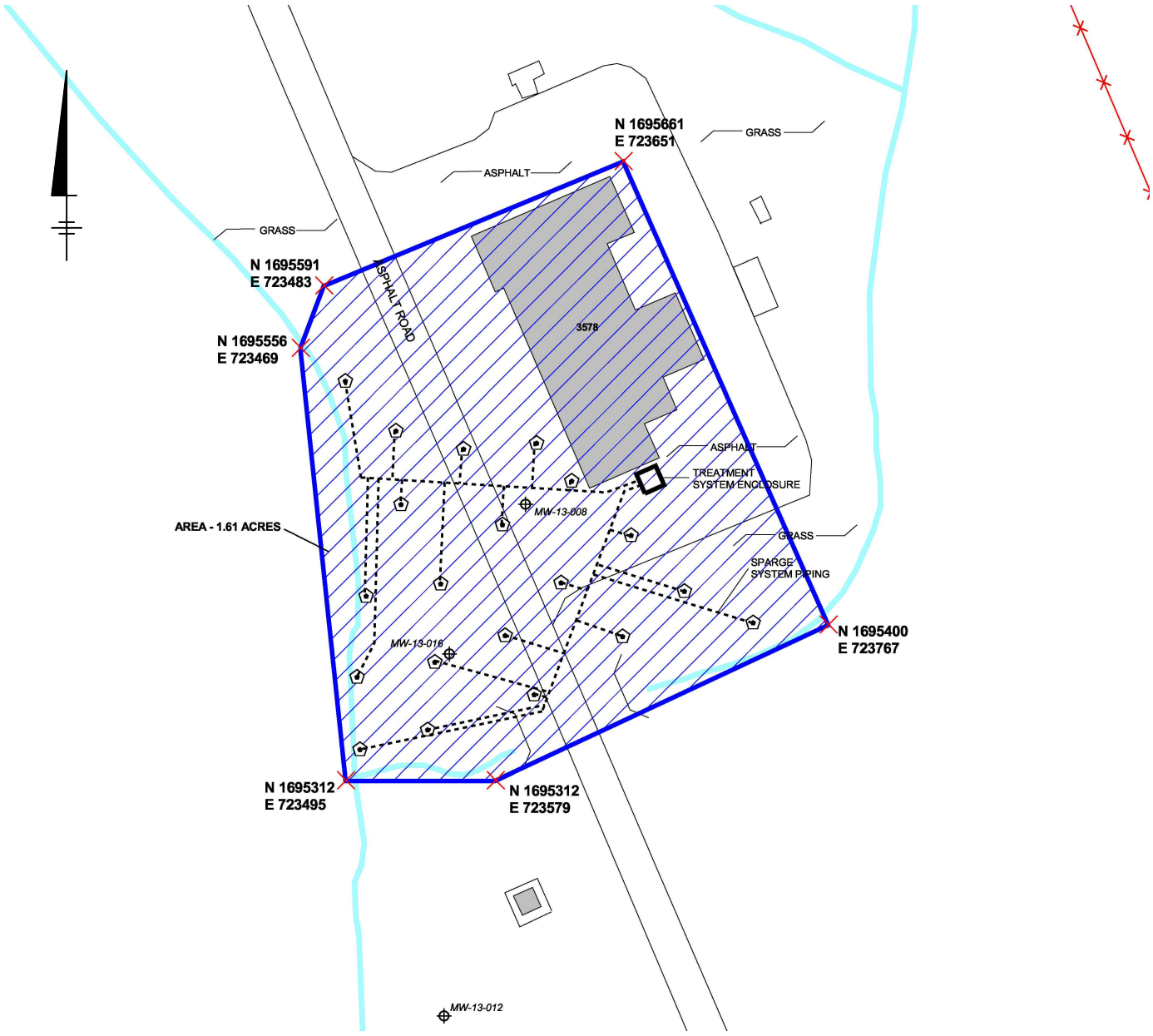

LAND USE CONTROLS/INSTITUTIONAL CONTROLS TO BE SPECIFIED IN THE FINAL SS-013 RECORD OF DECISION (ROD):

1) Prohibit the installation of any wells for drinking water or any other purposes that could result in the use of the underlying groundwater within the area shown above.
2) Prohibit property development or land use that would interfere with the proper operation of the remedy selected in the ROD.
3) With respect to risks that may be posed via indoor air contaminated by chemicals volatilizing from the groundwater (vapor intrusion), a deed covenant (or lease restriction for a lessee) would be imposed to prohibit construction of new buildings intended for occupancy within the Area Subject to Institutional Controls.
4) Also with respect to risks that may be posed via indoor air contaminated by chemicals volatilizing from the groundwater (vapor intrusion), a deed covenant (or lease restriction for a lessee) would be imposed, which requires that the existing building (Building 3578) on the property remain unoccupied (i.e., it may not be used for occupied purposes). "Occupied" means that the building is used and there is human occupation of it with regularity (e.g., persons present the same day of the week for approximately the same number of hours). Incidental use of the building such as for storage of materials, that necessitates intermittent visits by individuals who would not remain in the building after delivery or retrieval of such material, would not meet this definition of occupation.
The Grantee may demolish the building.

NOTE: Air Force or Regulatory Agency access to wells and the remedial system within the restriction area must be allowed at all times.

Legend

- Ozone Sparge Point
- Monitoring Well
- Restriction Area Corner
- Restriction Area

90 0 90 Feet

SOURCE:
URS GROUP, INC. LAND USE CONTROLS/INSTITUTIONAL CONTROLS, 2015 COMPLIANCE MONITORING. JANUARY 2016.

FORMER PLATTSBURG AIR FORCE BASE
PLATTSBURG, NEW YORK
FIFTH FIVE-YEAR REVIEW

SS013
LAND USE CONTROLS

ARCADIS Design & Consultancy for natural and built assets

FIGURE
A-4

CITY:(Newtown, Pa) DIV/GROUP:(ENVCAD) DB:(M. Wasilewski) LD:(M. Wasilewski) PIC:(L. Peters) PM:(P. Milionis) TM:(P. Milionis) LYR:(Opt)ON=*;OFF=*REF*
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GP16BRACX2014 5 IC-LUC Inspection_AR 470543_Page_045.jpg

CITY:(Newtown, Pa) DIV/GROUP:(ENVCAD) DB:(M. Wasilewski) LD:(M. Wasilewski) PIC:(L. Peters) PM:(P. Milionis) TM:(P. Milionis) LYR:(Opt)ON=*;OFF=*REF*
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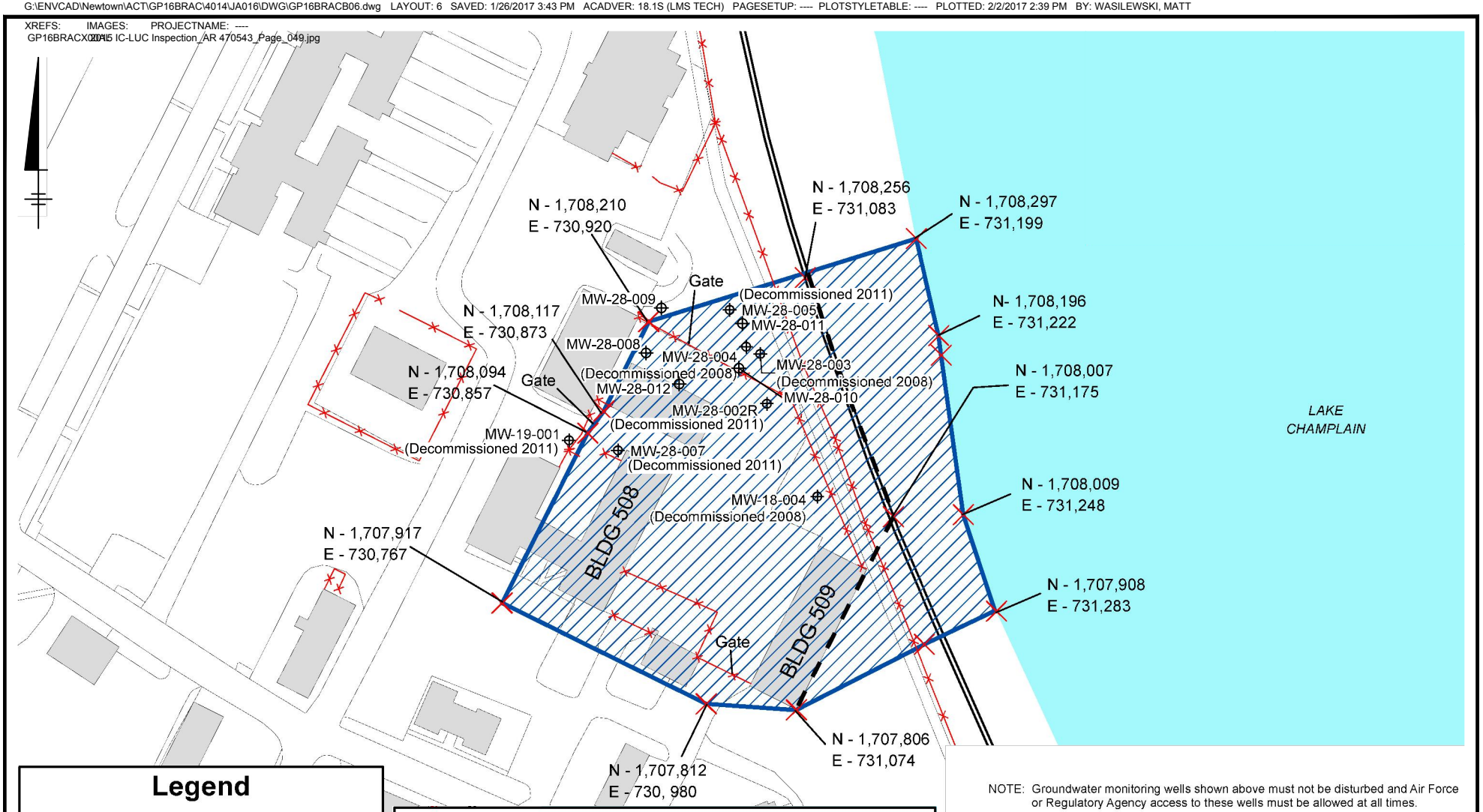

Legend

- Fenceline
- Monitoring Well
- Restriction Area Corner
- Groundwater Restriction Area
- Landuse Restriction Area

LAND USE CONTROLS/INSTITUTIONAL CONTROLS SPECIFIED IN THE SS-018/028 RECORD OF DECISION DATED SEPTEMBER 2000*
- Development of the sites is restricted to facilities that support only nonresidential use.
- Installation of any wells is prohibited for drinking water or any other purposes which could result in the use of the underlying groundwater.
- Discharge of groundwater withdrawn during construction dewatering to the ground or surface water is prohibited without prior approval of the New York State Department of Environmental Conservation.

150 0 150 Feet

NOTE: Groundwater monitoring wells shown above must not be disturbed and Air Force or Regulatory Agency access to these wells must be allowed at all times.

FORMER PLATTSBURG AIR FORCE BASE
PLATTSBURG, NEW YORK
FIFTH FIVE-YEAR REVIEW

SS018/SS028 LAND USE CONTROLS

SOURCE:
URS GROUP, INC. LAND USE CONTROLS/INSTITUTIONAL CONTROLS, 2015 COMPLIANCE MONITORING. JANUARY 2016.

* Per the January 2012 Remedial Action Completion Report, groundwater related institutional controls have been discontinued, but the non-residential use restriction remains in place

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FIGURE
A-5

CITY:(Newtown, Pa) DIV/GROUP:(ENVCAD) DB:(M. Wasilewski) LD:(M. Wasilewski) PIC:(L. Peters) PM:(P. Milionis) TM:(P. Milionis) LYR:(Opt)ON=*;OFF=*REF*
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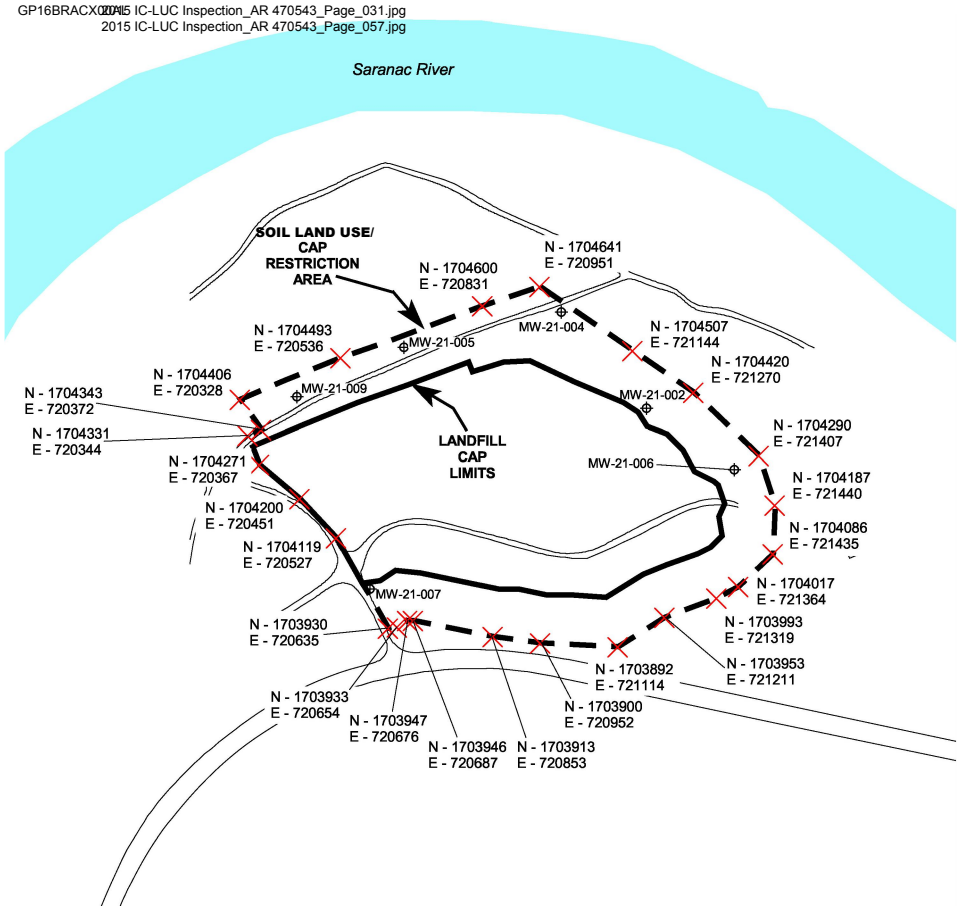

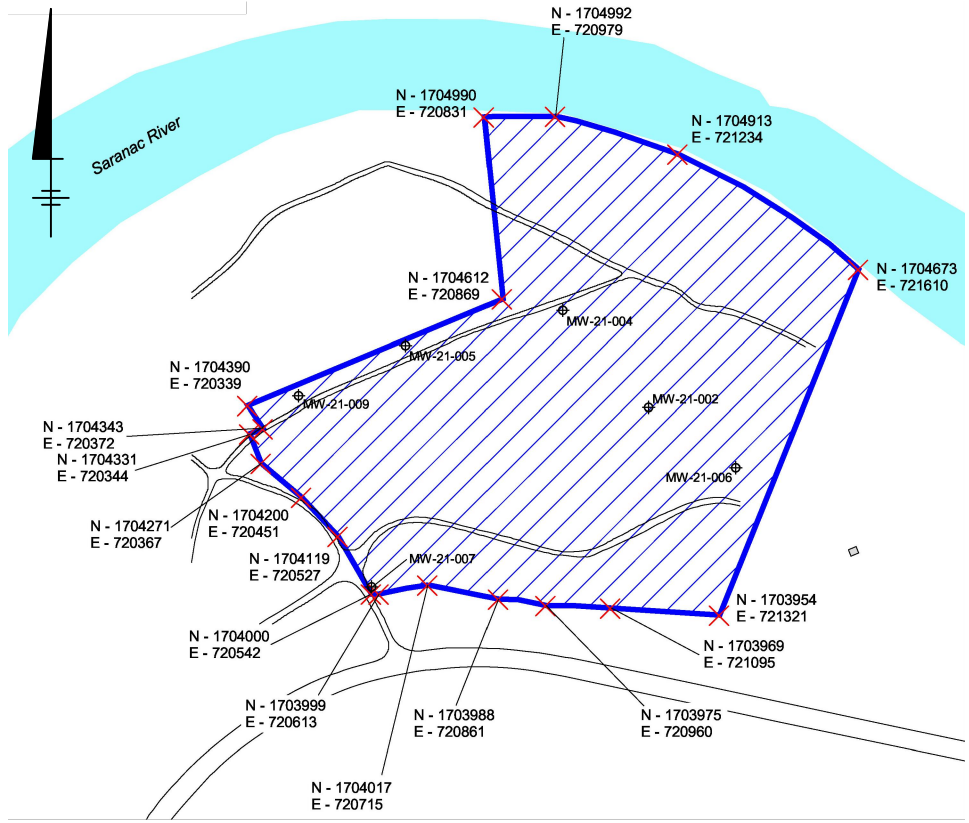

Legend

- Monitoring Well
- Groundwater Use Restriction Area

LAND USE CONTROLS / INSTITUTIONAL CONTROLS SPECIFIED IN LF-021 SOIL AND GROUNDWATER RECORD OF DECISION DATED MARCH 1997:

- Limit development of any structure on the landfill site which would adversely affect human health and safety.
- Prevent any adverse action leading to the deterioration of the cap.
- Excavation of the landfill cap without prior approval of the New York State Department of Environmental Conservation is prohibited.
- Wells for drinking water or any other purpose which could result in the use of the underlying groundwater is prohibited.

NOTES:

- Air Force or Regulatory Agency access to the cap restriction area must be allowed at all times.
- Groundwater monitoring wells located at or near the locations listed in the table to the left must not be disturbed and Air Force or Regulatory Agency access to these wells must be allowed at all times.

SOURCE:
URS GROUP, INC. LAND USE CONTROLS/INSTITUTIONAL CONTROLS, 2015 COMPLIANCE MONITORING. JANUARY 2016.

300 0 300 Feet

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PLATTSBURG, NEW YORK
FIFTH FIVE-YEAR REVIEW

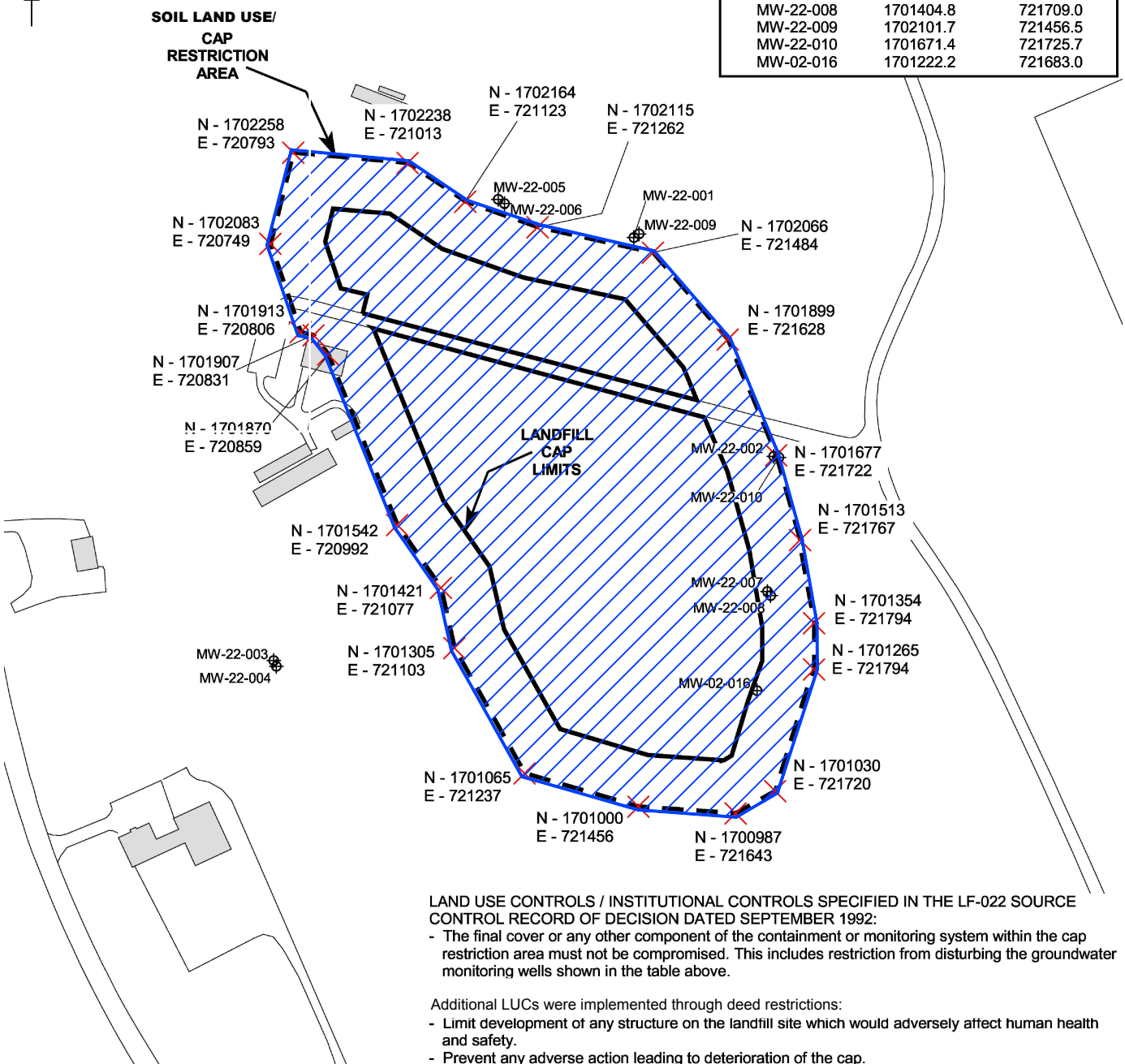
LF021 SOIL AND GROUNDWATER OPERABLE UNITS LAND USE CONTROLS

ARCADIS Design & Consultancy for natural and built assets

FIGURE
A-6

LOCATION OF MONITORING WELLS

LOCATION ID	NORTHING	EASTING
MW-22-001	1702094.5	721446.6
MW-22-002	1701673.0	721715.1
MW-22-003	1701280.6	720753.9
MW-22-004	1701268.9	720758.0
MW-22-005	1702167.2	721185.1
MW-22-006	1702159.6	721197.8
MW-22-007	1701413.6	721703.1
MW-22-008	1701404.8	721709.0
MW-22-009	1702101.7	721456.5
MW-22-010	1701671.4	721725.7
MW-02-016	1701222.2	721683.0



LAND USE CONTROLS / INSTITUTIONAL CONTROLS SPECIFIED IN THE LF-022 SOURCE CONTROL RECORD OF DECISION DATED SEPTEMBER 1992:

- The final cover or any other component of the containment or monitoring system within the cap restriction area must not be compromised. This includes restriction from disturbing the groundwater monitoring wells shown in the table above.

Additional LUCs were implemented through deed restrictions:

- Limit development of any structure on the landfill site which would adversely affect human health and safety.
- Prevent any adverse action leading to deterioration of the cap.
- Wells for drinking water or any other purpose which could result in use of the underlying groundwater is prohibited.
- Air Force or Regulatory Agency access to these wells must be allowed at all times.

Legend

⌖ Monitoring Well

Groundwater Use Restriction Area

300 0 300 Feet

SOURCE:
URS GROUP, INC. LAND USE CONTROLS/INSTITUTIONAL CONTROLS, 2015 COMPLIANCE MONITORING. JANUARY 2016.

FORMER PLATTSBURG AIR FORCE BASE
PLATTSBURG, NEW YORK
FIFTH FIVE-YEAR REVIEW

LF022 SOURCE CONTROL OPERABLE UNIT LAND USE CONTROLS

ARCADIS Design & Consultancy for natural and built assets

FIGURE
A-7

CITY:(Newtown, Pa) DIV/GROUP:(ENVCAD) DB:(M. Wasilewski) LD:(M. Wasilewski) PIC:(L. Peters) PM:(P. Milionis) TM:(P. Milionis) LYR:(Opt)ON=*;OFF=*REF*
C:\Users\mwasilewski\BIM 360\Arcadis\ANA – USACE – PHILADELPIA DISTRICT\Project Files\PLATTSBURG AFB\2019\30013830\01-DWG\GP16BRACB08.dwg LAYOUT: 8 SAVED: 9/5/2019 2:07 PM ACADVER: 23.0S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: ---- PLOTTED: 9/5/2019 2:07 PM BY:
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GP16BRACX2015 IC-LUC Inspection_AR 470543_Page_062.jpg

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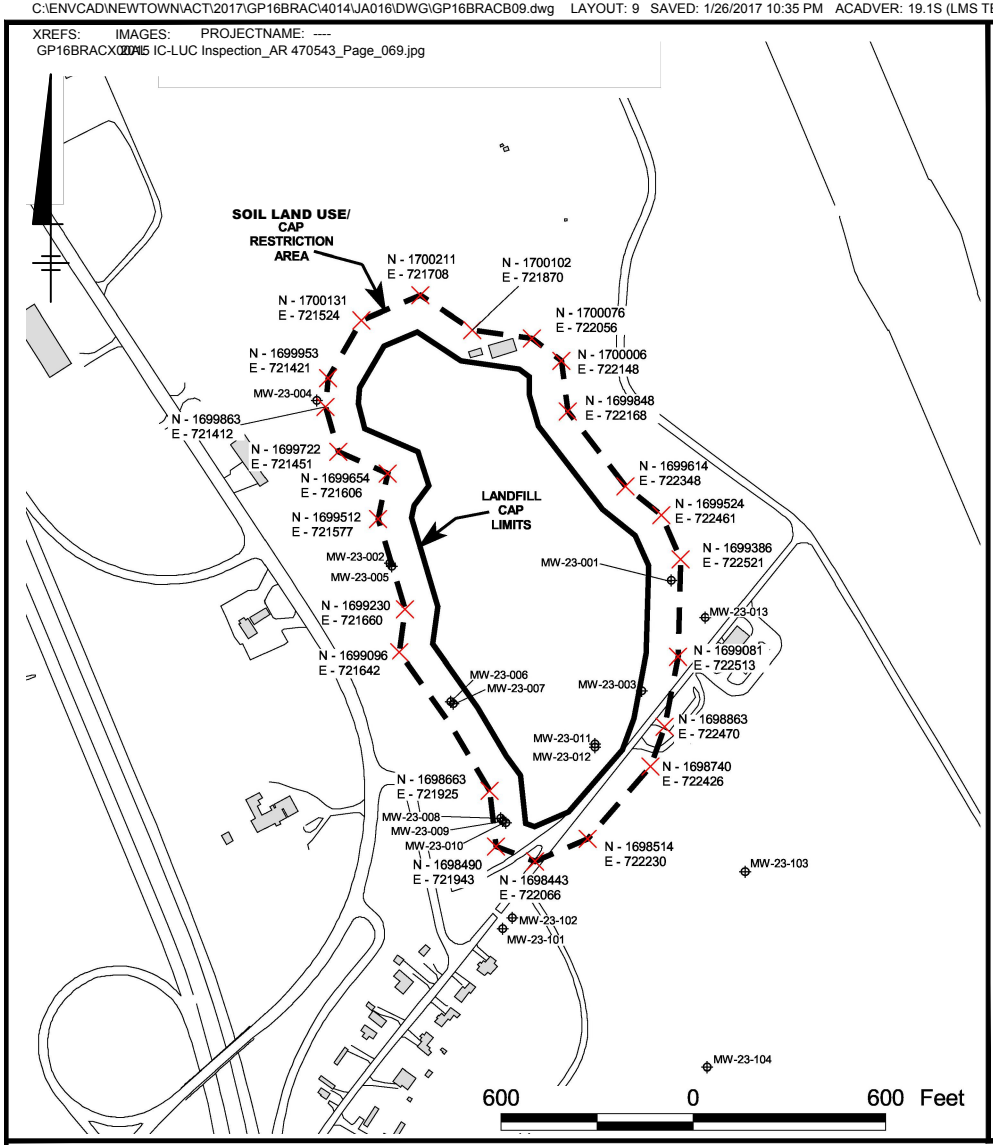
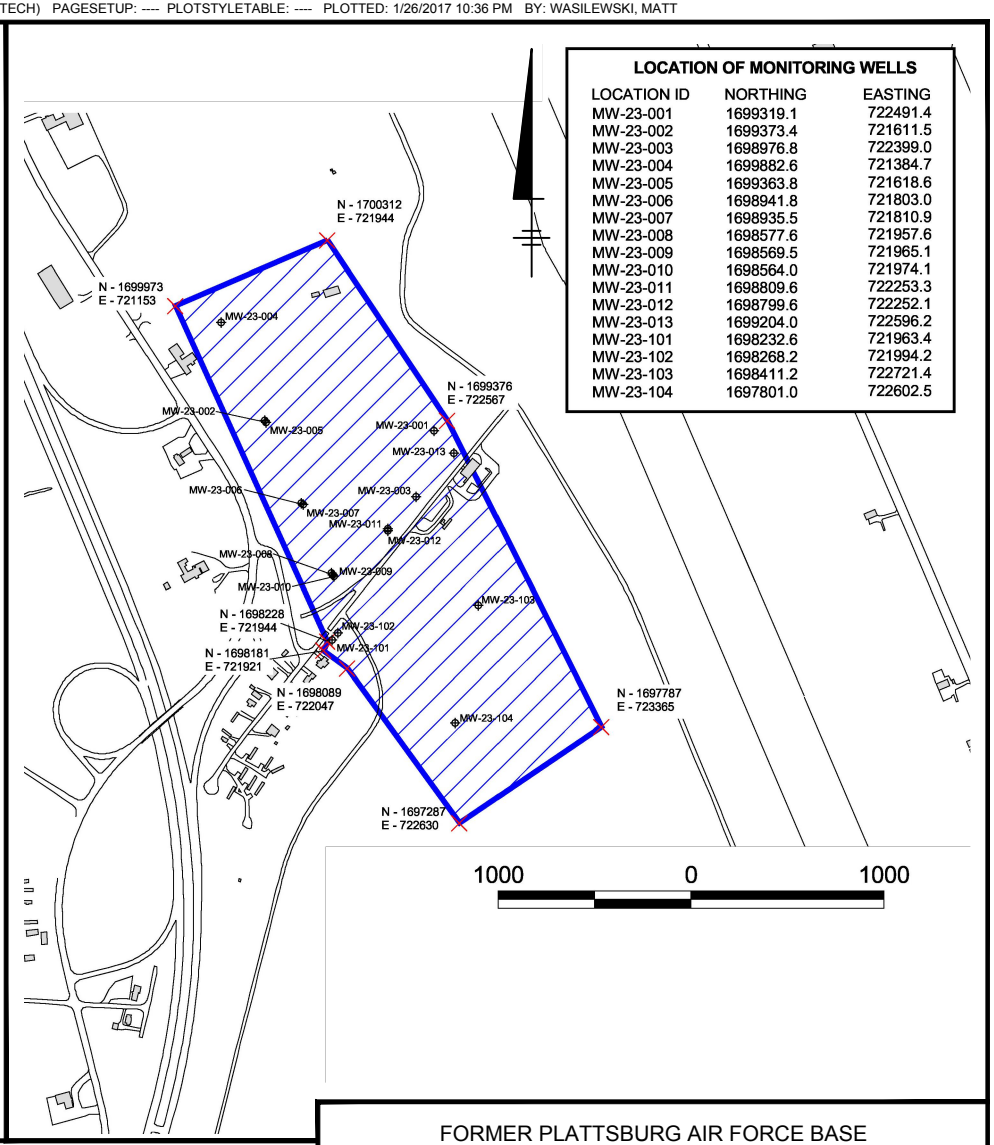
GP16BRACX0045 2015 IC-LUC Inspection_AR 470543_Page_069.jpg





LOCATION OF MONITORING WELLS

LOCATION ID	NORTHING	EASTING
MW-23-001	1699319.1	722491.4
MW-23-002	1699373.4	721611.5
MW-23-003	1698976.8	722399.0
MW-23-004	1699882.6	721384.7
MW-23-005	1699363.8	721618.6
MW-23-006	1698941.8	721803.0
MW-23-007	1698935.5	721810.9
MW-23-008	1698577.6	721957.6
MW-23-009	1698569.5	721965.1
MW-23-010	1698564.0	721974.1
MW-23-011	1698809.6	722253.3
MW-23-012	1698799.6	722252.1
MW-23-013	1699204.0	722596.2
MW-23-101	1698232.6	721963.4
MW-23-102	1698268.2	721994.2
MW-23-103	1698411.2	722721.4
MW-23-104	1697801.0	722602.5

Legend

- Monitoring Well
- Groundwater Use Restriction Area

SOURCE:
URS GROUP, INC. LAND USE CONTROLS/INSTITUTIONAL CONTROLS, 2015 COMPLIANCE MONITORING. JANUARY 2016.

LAND USE CONTROLS / INSTITUTIONAL CONTROLS SPECIFIED IN THE LF-023 SOURCE CONTROL RECORD OF DECISION DATED SEPTEMBER 1992 AND LF-023 GROUNDWATER, SURFACE WATER, AND SEDIMENT RECORD OF DECISION DATED MARCH 1995:
- The final cover or any other component of the containment or monitoring system must not be compromised.
- Installation of wells for the use of the underlying groundwater is prohibited.

Additional LUCs were implemented through deed restrictions:
- Limit development of any structure on the landfill site which would adversely impact human health and safety.
- Prevent any adverse action leading to deterioration of the cap.
- Wells for drinking water or any other purpose which could result in use of the underlying groundwater is prohibited.
- Air Force or Regulatory Agency access to these wells must be allowed at all times.

Note: Monitoring wells located within the Groundwater Restriction Area, as indicated in the table above, will not be disturbed and Air Force or Regulatory Agency access to these wells must be allowed at all times.

FORMER PLATTSBURG AIR FORCE BASE
PLATTSBURG, NEW YORK
FIFTH FIVE-YEAR REVIEW

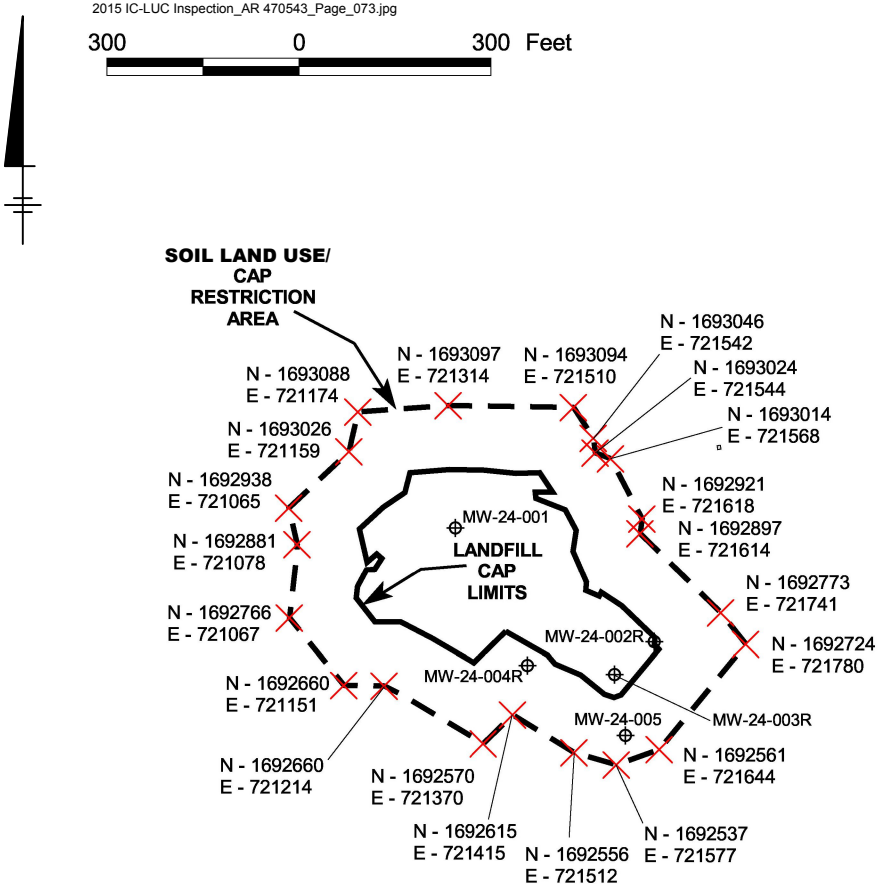
LF023 SOURCE CONTROL OPERABLE UNIT AND GROUNDWATER, SURFACE WATER, AND SEDIMENT OPERABLE UNIT
LAND USE CONTROLS

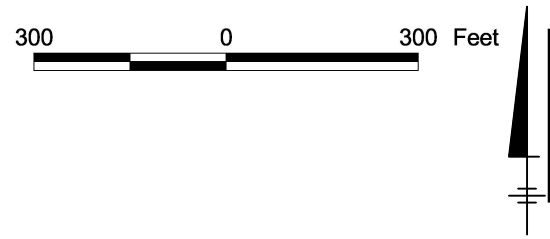
ARCADIS Design & Consultancy for natural and built assets

FIGURE
A-8

CITY:(Newtown, Pa) DIV/GROUP:(ENVCAD) DB:(M. Wasilewski) LD:(M. Wasilewski) PIC:(L. Peters) PM:(P. Milionis) TM:(P. Milionis) LYR:(Opt)ON=*;OFF=*REF*
C:\ENVCAD\NEWTOWN\ACT\2017\GP16BRAC\4014\JA016\DWG\GP16BRACB10.dwg LAYOUT: 10 SAVED: 1/26/2017 10:55 PM ACADVER: 19.1S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: ---- PLOTTED: 1/26/2017 10:55 PM BY: WASILEWSKI, MATT

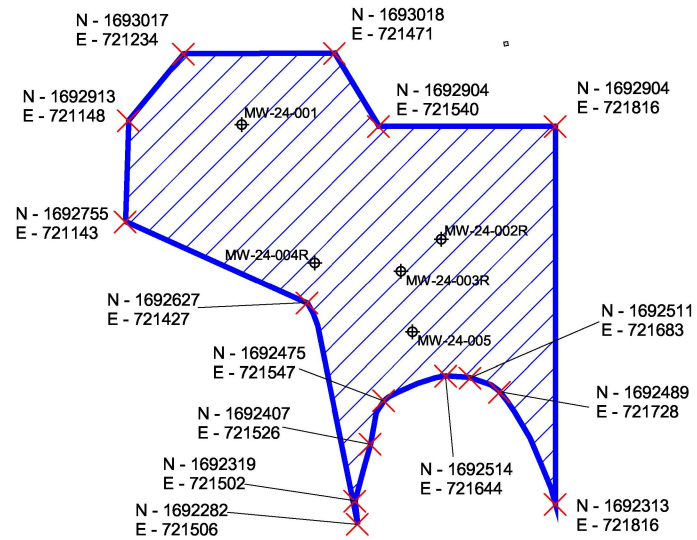
XREFS: IMAGES: PROJECTNAME: ----
GP16BRACX0041 2015 IC-LUC Inspection_AR 470543_Page_069.jpg
2015 IC-LUC Inspection_AR 470543_Page_073.jpg





LOCATION OF MONITORING WELLS

LOCATION ID	NORTHING	EASTING
MW-24-001	1692905.38	721324.51
MW-24-002R	1692727.25	721635.93
MW-24-003R	1692676.91	721573.23
MW-24-004R	1692690.08	721437.89
MW-24-005	1692581.42	721590.86



Legend

- Monitoring Well
- Groundwater Use Restriction Area

SOURCE:
URS GROUP, INC. LAND USE CONTROLS/INSTITUTIONAL CONTROLS, 2015 COMPLIANCE MONITORING. JANUARY 2016.

LAND USE CONTROLS / INSTITUTIONAL CONTROLS SPECIFIED IN LF-024 SOIL AND GROUNDWATER OPERABLE UNIT RECORD OF DECISION DATED MARCH 1997:
- Limit development of any structure on the landfill site which would adversely affect human health and safety.
- Prevent any adverse action leading to deterioration of the cap.
- Excavation of the landfill cap without prior approval of the New York State Department of Environmental Conservation is prohibited.
- Notice will be provided in deed and lease agreements to warn of potential short-term health risks from inhalation of dust during site construction activities.
- Wells for drinking water or any other purpose which could result in the use of the underlying groundwater is prohibited.

Note: Groundwater monitoring wells located at or near the locations listed in the table above must not be disturbed and Air Force or Regulatory Agency access to these wells must be allowed at all times.

FORMER PLATTSBURG AIR FORCE BASE
PLATTSBURG, NEW YORK
FIFTH FIVE-YEAR REVIEW

LF024 SOIL AND GROUNDWATER OPERABLE UNIT LAND USE CONTROLS

ARCADIS Design & Consultancy for natural and built assets

FIGURE
A-9

ARCADIS

LUC/IC INSPECTION CHECKLIST
PLATTSBURGH AIR FORCE BASE

Site: FT-002
Date of inspection: 8/20/18

Inspector: ES
Weather: Sunny 81°F

LAND USE CONTROLS (LUCs)

LUCs Include: (Check all that apply)

- [ ] Landfill cover/containment
- [ ] Access controls
- [✓] Land development controls
- [✓] Facility development controls
- [✓] Monitoring well installation restrictions
- [ ] Other: _____
- [✓] Groundwater discharge controls
- [ ] Excavation controls
- [✓] Groundwater use controls

Attachments:

[ ] Site map attached [ ] Other: _____

ACCESS AND INSTITUTIONAL CONTROLS [ ] N/A

Fencing:

[✓] Undamaged [✓] Gates secured [ ] Location shown on site map

Remarks: Access restricted by airport security, perimeter fencing & locked gates

Signs and other security measures:

[✓] Present [ ] Not present [ ] Location shown on site map

Remarks: No Trespassing Signs

Intuitional Controls (ICs):

Site conditions imply ICs properly implemented

[✓] Yes [ ] No [ ] N/A

Site conditions imply ICs being fully enforced

[✓] Yes [ ] No [ ] N/A

Type of monitoring (e.g., self-reporting, drive by): onsite observation

Responsibly party/agency: Air Force Civil Engineer Center

Contact: David Farnsworth, BRAC Environmental Coordinator, 518-563-2871

Requirements in deed or decision documents appear to have been met

[✓] Yes [ ] No [ ] N/A

Violations have been reported

[ ] Yes [ ] No [✓] N/A

Other problems or suggestions:

NA

Adequacy:

[✓] ICs are adequate [ ] ICs are not adequate [ ] N/A

Remarks: None

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LUC/IC INSPECTION CHECKLIST
PLATTSBURGH AIR FORCE BASE

Site: FT-002

General:

Vandalism/trespassing
[ ] Present [✓] No vandalism eviden [ ] Location shown on map
Remarks:

Land use changes on site
[ ] Yes [✓] No
Remarks:

Land use changes off site
[ ] Yes [✓] No
Remarks:

GENERAL SITE CONDITIONS

Roads adequate: [✓] Yes [ ] No

Landfill cap damaged: [✓] N/A
[ ] No damage [ ] Damage (Location shown on map)
Remarks:

Monitoring well condition:
[✓] Properly secured/locked
[✓] Good condition
[✓] Functioning
[✓] All site wells located
[ ] Routinely sampled
[ ] Needs maintenance
[ ] N/A
Remarks:

Other site conditions:
Remarks: None

OVERALL OBSERVATIONS

Describe issues and observations relating to whether LUC/ICs are effective and functioning as designed. Begin with a brief summary of what the LUC/ICS are to accomplish (i.e., to restrict access, restrict groundwater use, restrict land use, etc.)

No violations observed
LUCS + ICs operating as ~~intended~~ ES intended

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LUC/IC INSPECTION CHECKLIST
PLATTSBURGH AIR FORCE BASE

Site: SS-005

Inspector: ES

Date of inspection: 8/21/18

Weather: Sunny 67°F

LAND USE CONTROLS (LUCs)

LUCs Include: (Check all that apply)

[ ] Landfill cover/containment
[ ] Access controls
[✓] Land development controls
[ ] Facility development controls
[ ] Monitoring well installation restrictions
[✓] Other: MWs must not be disturbed
[ ] Groundwater discharge controls
[ ] Excavation controls
[✓] Groundwater use controls

Attachments:

[ ] Site map attached
[ ] Other: _____

ACCESS AND INSTITUTIONAL CONTROLS [ ] N/A

Fencing:

[✓] Undamaged [✓] Gates secured [ ] Location shown on site map

Remarks: Access restricted by airport perimeter fence, along Arizona Ave, and South fenceline, No fenceline to North

Signs and other security measures:

[ ] Present [✓] Not present [ ] Location shown on site map

Remarks: No Signs present

Intuitional Controls (ICs):

Site conditions imply ICs properly implemented

[✓] Yes [ ] No [ ] N/A

Site conditions imply ICs being fully enforced

[✓] Yes [ ] No [ ] N/A

Type of monitoring (e.g., self-reporting, drive by): Onsite observations

Responsibly party/agency: Air Force Civil Engineer Center

Contact: David Farnsworth, BRAC Environmental Coordinator, 518-563-2871

Requirements in deed or decision documents appear to have been met

[✓] Yes [ ] No [ ] N/A

Violations have been reported

[ ] Yes [ ] No [✓] N/A

Other problems or suggestions:

None

Adequacy:

[✓] ICs are adequate [ ] ICs are not adequate [ ] N/A

Remarks: None

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LUC/IC INSPECTION CHECKLIST
PLATTSBURGH AIR FORCE BASE

Site: SS-005

General:

Vandalism/trespassing
[ ] Present [✓] No vandalism eviden [ ] Location shown on map
Remarks: None

Land use changes on site
[ ] Yes [✓] No
Remarks: None

Land use changes off site
[ ] Yes [✓] No
Remarks: None

GENERAL SITE CONDITIONS

Roads adequate: [✓] Yes [ ] No

Landfill cap damaged: [✓] N/A
[ ] No damage [ ] Damage (Location shown on map)
Remarks:

Monitoring well condition:
[✓] Properly secured/locked [ ] Routinely sampled
[✓] Good condition [ ] Needs maintenance
[ ] Functioning [ ] N/A
[✓] All site wells located
Remarks: MWs Inspeted annually, MW-05-003 decomissioned in December 08

Other site conditions:
Remarks: None

OVERALL OBSERVATIONS

Describe issues and observations relating to whether LUC/ICs are effective and functioning as designed. Begin with a brief summary of what the LUC/ICS are to accomplish (i.e., to restrict access, restrict groundwater use, restrict land use, etc.)

LUCs + IC are effective and functioning as designed, No violations observed

ARCADIS

LUC/IC INSPECTION CHECKLIST
PLATTSBURGH AIR FORCE BASE

Aerospace ground equip. facility soil operable unit

Site: SS-005 Inspector: ES

Date of inspection: 8/21/18 Weather: 67°F Sunny

LAND USE CONTROLS (LUCs)

LUCs Include: (Check all that apply)

[ ] Landfill cover/containment
[ ] Access controls
[✓] Land development controls
[ ] Facility development controls
[ ] Monitoring well installation restrictions
[✓] Other: MWs Must Not be disturbed
[ ] Groundwater discharge controls
[ ] Excavation controls
[✓] Groundwater use controls

Attachments:

[ ] Site map attached [ ] Other: _____

ACCESS AND INSTITUTIONAL CONTROLS [ ] N/A

Fencing:

[✓] Undamaged [✓] Gates secured [ ] Location shown on site map

Remarks: Access restricted by airport perimeter fence and along Arizona Ave, Site not otherwise fenced

Signs and other security measures:

[ ] Present [✓] Not present [ ] Location shown on site map

Remarks: No Signs Present

Intuitional Controls (ICs):

Site conditions imply ICs properly implemented

[✓] Yes [ ] No [ ] N/A

Site conditions imply ICs being fully enforced

[✓] Yes [ ] No [ ] N/A

Type of monitoring (e.g., self-reporting, drive by): onsite observation

Responsibly party/agency: Air Force Civil Engineer Center

Contact: David Farnsworth, BRAC Environmental Coordinator, 518-563-2871

Requirements in deed or decision documents appear to have been met

[✓] Yes [ ] No [ ] N/A

Violations have been reported

[ ] Yes [ ] No [✓] N/A

Other problems or suggestions:

None

Adequacy:

[✓] ICs are adequate [ ] ICs are not adequate [ ] N/A

Remarks: None

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LUC/IC INSPECTION CHECKLIST
PLATTSBURGH AIR FORCE BASE

Site: SS-006

General:

Vandalism/trespassing
[ ] Present [✓] No vandalism evident [ ] Location shown on map
Remarks: None

Land use changes on site
[ ] Yes [✓] No
Remarks: None

Land use changes off site
[ ] Yes [✓] No
Remarks: None

GENERAL SITE CONDITIONS

Roads adequate: [✓] Yes [ ] No

Landfill cap damaged: [✓] N/A
[ ] No damage [ ] Damage (Location shown on map)
Remarks:

Monitoring well condition:
[ ] Properly secured/locked
[ ] Good condition
[ ] Functioning
[ ] All site wells located
[ ] Routinely sampled
[ ] Needs maintenance
[ ] N/A
Remarks: MW-06-001 + MW-06-002 decommissioned in December 08

Other site conditions:
Remarks: None

OVERALL OBSERVATIONS

Describe issues and observations relating to whether LUC/ICs are effective and functioning as designed. Begin with a brief summary of what the LUC/ICS are to accomplish (i.e., to restrict access, restrict groundwater use, restrict land use, etc.)

LUCs + ICs effective and functioning as intended, No violations observed

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LUC/IC INSPECTION CHECKLIST
PLATTSBURGH AIR FORCE BASE

Site: SS013 former munitions maintenance squadron
Inspector: ES
Date of inspection: 8/21/18
Weather: 75°F Cloudy

LAND USE CONTROLS (LUCs)

LUCs Include: (Check all that apply)

- [ ] Landfill cover/containment
- [✓] Access controls
- [✓] Land development controls
- [✓] Facility development controls
- [✓] Monitoring well installation restrictions
- [✓] Other: Deed covenant / lease restrictions related to SVI
- [ ] Groundwater discharge controls
- [ ] Excavation controls
- [✓] Groundwater use controls

Attachments:

[ ] Site map attached [ ] Other: _____

ACCESS AND INSTITUTIONAL CONTROLS [ ] N/A

Fencing:

[✓] Undamaged [✓] Gates secured [ ] Location shown on site map

Remarks: Site contained within fenced area that secures the site + former weapons storage area

Signs and other security measures:

[✓] Present [ ] Not present [ ] Location shown on site map

Remarks: Signs present

Intuitional Controls (ICs):

Site conditions imply ICs properly implemented

[✓] Yes [ ] No [ ] N/A

Site conditions imply ICs being fully enforced

[✓] Yes [ ] No [ ] N/A

Type of monitoring (e.g., self-reporting, drive by): on site observations

Responsibly party/agency: Air Force Civil Engineer Center

Contact: David Farnsworth, BRAC Environmental Coordinator, 518-563-2871

Requirements in deed or decision documents appear to have been met

[✓] Yes [ ] No [ ] N/A

Violations have been reported

[ ] Yes [ ] No [✓] N/A

Other problems or suggestions:

None

Adequacy:

[✓] ICs are adequate [ ] ICs are not adequate [ ] N/A

Remarks: None

ARCADIS

LUC/IC INSPECTION CHECKLIST
PLATTSBURGH AIR FORCE BASE

Site: SS013

General:

Vandalism/trespassing
[ ] Present [✓] No vandalism eviden [ ] Location shown on map
Remarks: None

Land use changes on site
[ ] Yes [✓] No
Remarks: None

Land use changes off site
[ ] Yes [✓] No
Remarks: None

GENERAL SITE CONDITIONS

Roads adequate: [✓] Yes [ ] No

Landfill cap damaged: [✓] N/A
[ ] No damage [ ] Damage (Location shown on map)
Remarks:

Monitoring well condition:
[✓] Properly secured/locked
[✓] Good condition
[✓] Functioning
[✓] All site wells located
[✓] Routinely sampled
[ ] Needs maintenance
[ ] N/A
Remarks: Some wells destroyed during brush fire

Other site conditions:
Remarks: None

OVERALL OBSERVATIONS

Describe issues and observations relating to whether LUC/ICs are effective and functioning as designed. Begin with a brief summary of what the LUC/ICS are to accomplish (i.e., to restrict access, restrict groundwater use, restrict land use, etc.)

LUCs + ICs effective and functioning as designed
No Violations observed

ARCADIS

Auto Hobby Shop + bldg 503 open storage area

LUC/IC INSPECTION CHECKLIST
PLATTSBURGH AIR FORCE BASE

Site: SS018 / SS028 Inspector: ES
Date of inspection: 8/21/18 Weather: 72°F sunny

LAND USE CONTROLS (LUCs)

LUCs Include: (Check all that apply)

[ ] Landfill cover/containment
[ ] Access controls
[✓] Land development controls
[ ] Facility development controls
[ ] Monitoring well installation restrictions
[ ] Other: _____
[✓] Groundwater discharge controls
[ ] Excavation controls
[✓] Groundwater use controls

Attachments:

[ ] Site map attached [ ] Other: _____

ACCESS AND INSTITUTIONAL CONTROLS [ ] N/A

Fencing:

[✓] Undamaged [✓] Gates secured [ ] Location shown on site map

Remarks: _____

Signs and other security measures:

[ ] Present [✓] Not present [ ] Location shown on site map

Remarks: No Signs Present

Intuitional Controls (ICs):

Site conditions imply ICs properly implemented

[✓] Yes [ ] No [ ] N/A

Site conditions imply ICs being fully enforced

[✓] Yes [ ] No [ ] N/A

Type of monitoring (e.g., self-reporting, drive by): onsite observations

Responsibly party/agency: Air Force Civil Engineer Center

Contact: David Farnsworth, BRAC Environmental Coordinator, 518-563-2871

Requirements in deed or decision documents appear to have been met

[✓] Yes [ ] No [ ] N/A

Violations have been reported

[ ] Yes [ ] No [✓] N/A

Other problems or suggestions:

None

Adequacy:

[✓] ICs are adequate [ ] ICs are not adequate [ ] N/A

Remarks: None

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LUC/IC INSPECTION CHECKLIST
PLATTSBURGH AIR FORCE BASE

Site: SS018/ SS028

General:

Vandalism/trespassing

[ ] Present [✓] No vandalism eviden [ ] Location shown on map

Remarks:

Land use changes on site

[ ] Yes [ ] No

Remarks: Buildings in use as Champlain Valley transportation museum

Land use changes off site

[ ] Yes [✓] No

Remarks:

GENERAL SITE CONDITIONS

Roads adequate: [✓] Yes [ ] No

Landfill cap damaged: [✓] N/A

[ ] No damage [ ] Damage (Location shown on map)

Remarks:

Monitoring well condition:

[ ] Properly secured/locked [ ] Routinely sampled

[ ] Good condition [ ] Needs maintenance

[ ] Functioning [✓] N/A

[✓] All site wells located

Remarks: SS028 wells inspected other MWs abandoned August 2011

Other site conditions:

Remarks: None

OVERALL OBSERVATIONS

Describe issues and observations relating to whether LUC/ICs are effective and functioning as designed. Begin with a brief summary of what the LUC/ICS are to accomplish (i.e., to restrict access, restrict groundwater use, restrict land use, etc.)

LUCs + ICs effective and performing as designed, No violations

ARCADIS

LUC/IC INSPECTION CHECKLIST
PLATTSBURGH AIR FORCE BASE

Site: Landfill LF-021
Date of inspection: 8/1/2018

Inspector: J. Duquette
Weather: 84°F Partly Cloudy

LAND USE CONTROLS (LUCs)

LUCs Include: (Check all that apply)

[✓] Landfill cover/containment
[✓] Access controls
[✓] Land development controls
[✓] Facility development controls
[ ] Monitoring well installation restrictions
[ ] Other: _____

[ ] Groundwater discharge controls
[ ] Excavation controls
[ ] Groundwater use controls

Attachments:

[ ] Site map attached
[ ] Other: _____

ACCESS AND INSTITUTIONAL CONTROLS [ ] N/A

Fencing:

[✓] Undamaged [✓] Gates secured [ ] Location shown on site map

Remarks: _____

Signs and other security measures:

[✓] Present [ ] Not present [ ] Location shown on site map

Remarks: No trespassing Signs on fence perimeter

Intuitional Controls (ICs):

Site conditions imply ICs properly implemented

[ ] Yes [ ] No [ ] N/A

Site conditions imply ICs being fully enforced

[ ] Yes [ ] No [ ] N/A

Type of monitoring (e.g., self-reporting, drive by): On-Site Observation

Responsibly party/agency: Air Force Civil Engineer Center

Contact: David Farnsworth, BRAC Environmental Coordinator, 518-563-2871

Requirements in deed or decision documents appear to have been met

[✓] Yes [ ] No [ ] N/A

Violations have been reported

[ ] Yes [ ] No [✓] N/A

Other problems or suggestions:

Adequacy:

[✓] ICs are adequate [ ] ICs are not adequate [ ] N/A

Remarks: None

ARCADIS

LUC/IC INSPECTION CHECKLIST
PLATTSBURGH AIR FORCE BASE

Site: Landfill LF-021

General:

Vandalism/trespassing

[ ] Present [✓] No vandalism eviden [ ] Location shown on map

Remarks: None on the landfill

Land use changes on site

[ ] Yes [✓] No

Remarks: None

Land use changes off site

[ ] Yes [✓] No

Remarks: None

GENERAL SITE CONDITIONS

Roads adequate: [✓] Yes [ ] No

Landfill cap damaged: [ ] N/A

[✓] No damage [ ] Damage (Location shown on map)

Remarks:

Monitoring well condition:

[✓] Properly secured/locked
[✓] Good condition
[✓] Functioning
[✓] All site wells located
[✓] Routinely sampled
[ ] Needs maintenance
[ ] N/A

Remarks:

Other site conditions:

Remarks: one old dead tree in the center of the land fill

OVERALL OBSERVATIONS

Describe issues and observations relating to whether LUC/ICs are effective and functioning as designed. Begin with a brief summary of what the LUC/ICS are to accomplish (i.e., to restrict access, restrict groundwater use, restrict land use, etc.)

The LUC/ICs are effective and functioning as designed no violations were observed

Landfill Inspection Checklist

Landfill: LF021

Date: 8/1/18 Time: 1710

Name: ES/JD Weather: Partly Cloudy 84°F

ITEM	CONDITIONS	YES	NO	ACTION TO BE TAKEN/COMMENTS
Vegetative Layer/Cover Inspections				
General	General vegetative conditions acceptable?	✓		
	Stressed or damaged vegetation?		✓	
	Deep-rooted or woody vegetation?	✓		Trees
	Potential hazardous conditions?		✓	
Erosion and Surface	Erosion damage, gullies, breaches?		✓	
	Areas of subsidence?		✓	
	Surface water ponding/accumulation?		✓	
	Obvious differential settlement?		✓	
	Potential hazardous conditions?		✓	
Animal Control	Damage due to burrowing animals?	✓		burrow in center of LF
	Obvious presence of animals?	✓		↳ burrow
Surface Activities	Unauthorized trespassing?		✓	
	Intrusive activities/vehicle use?		✓	
	Dumping or disposal?		✓	
	Structures?		✓	
Fences and Signs	Fence integrity good?	✓		
	Site secure?	✓		
	Perimeter signs intact and visible?	✓		
Gas Vent Pipes	Damaged or Obstructed?			NA
Drainage Ditches	Drainage features clear/unobstructed?	✓		
	Accumulation of sediment/debris?		✓	

Other Notes

ARCADIS

LUC/IC INSPECTION CHECKLIST
PLATTSBURGH AIR FORCE BASE

Site: Landfill LF-022
Date of inspection: 7/30/2018

Inspector: J. Duquette
Weather: 84°F Sunny

LAND USE CONTROLS (LUCs)

LUCs Include: (Check all that apply)

[✓] Landfill cover/containment
[✓] Access controls
[✓] Land development controls
[ ] Facility development controls
[ ] Monitoring well installation restrictions
[ ] Other: _____
[ ] Groundwater discharge controls
[✓] Excavation controls
[✓] Groundwater use controls

Attachments:

[ ] Site map attached
[ ] Other: _____

ACCESS AND INSTITUTIONAL CONTROLS [ ] N/A

Fencing:

[✓] Undamaged [ ] Gates secured [ ] Location shown on site map

Remarks: LF-022 is fenced + the gate is locked

Signs and other security measures:

[✓] Present [ ] Not present [ ] Location shown on site map

Remarks: No trespassing sign

Intuitional Controls (ICs):

Site conditions imply ICs properly implemented

[✓] Yes [ ] No [ ] N/A

Site conditions imply ICs being fully enforced

[✓] Yes [ ] No [ ] N/A

Type of monitoring (e.g., self-reporting, drive by): On-Site Observation

Responsibly party/agency: Air Force Civil Engineer Center

Contact: David Farnsworth, BRAC Environmental Coordinator, 518-563-2871

Requirements in deed or decision documents appear to have been met

[✓] Yes [ ] No [ ] N/A

Violations have been reported

[ ] Yes [ ] No [✓] N/A

Other problems or suggestions:

None

Adequacy:

[✓] ICs are adequate [ ] ICs are not adequate [ ] N/A

Remarks: None

ARCADIS

LUC/IC INSPECTION CHECKLIST
PLATTSBURGH AIR FORCE BASE

Site: Landfill LF-022

General:

Vandalism/trespassing
[ ] Present [✓] No vandalism eviden [ ] Location shown on map
Remarks: None

Land use changes on site
[ ] Yes [✓] No
Remarks: None

Land use changes off site
[ ] Yes [✓] No
Remarks: None

GENERAL SITE CONDITIONS

Roads adequate: [✓] Yes [ ] No

Landfill cap damaged: [ ] N/A
[✓] No damage [ ] Damage (Location shown on map)
Remarks: NE + SE areas have exposed soil.

Monitoring well condition:
[✓] Properly secured/locked
[✓] Good condition
[✓] Functioning
[✓] All site wells located
[ ] Routinely sampled
[ ] Needs maintenance
[ ] N/A
Remarks:

Other site conditions:
Remarks:

OVERALL OBSERVATIONS

Describe issues and observations relating to whether LUC/ICs are effective and functioning as designed. Begin with a brief summary of what the LUC/ICS are to accomplish (i.e., to restrict access, restrict groundwater use, restrict land use, etc.)

The LUCs\ICs were effective & functioning as designed, No Violations were Observed

Landfill Inspection Checklist

Landfill: LF022

Date: 7/30/18 Time: 1600

Name: JD/ES Weather: Sunny 89°F

ITEM	CONDITIONS	YES	NO	ACTION TO BE TAKEN/COMMENTS
Vegetative Layer/Cover Inspections				
General	General vegetative conditions acceptable?	✓		
	Stressed or damaged vegetation?	✓		NE + SE areas have exposed soil
	Deep-rooted or woody vegetation?	✓		Multiple trees on site
	Potential hazardous conditions?		✓	
Erosion and Surface	Erosion damage, gullies, breaches?		✓	
	Areas of subsidence?		✓	
	Surface water ponding/accumulation?		✓	
	Obvious differential settlement?		✓	
	Potential hazardous conditions?		✓	
Animal Control	Damage due to burrowing animals?		✓	
	Obvious presence of animals?		✓	
Surface Activities	Unauthorized trespassing?		✓	
	Intrusive activities/vehicle use?		✓	
	Dumping or disposal?		✓	
	Structures?		✓	
Fences and Signs	Fence integrity good?	✓		
	Site secure?	✓		
	Perimeter signs intact and visible?	✓		
Gas Vent Pipes	Damaged or Obstructed?			NA
Drainage Ditches	Drainage features clear/unobstructed?	✓		
	Accumulation of sediment/debris?		✓	

Other Notes

ARCADIS

LUC/IC INSPECTION CHECKLIST
PLATTSBURGH AIR FORCE BASE

Site: Landfill LF-023
Date of inspection: 8/1/2018

Inspector: J. Duquette
Weather: 82°F Sunny

LAND USE CONTROLS (LUCs)

LUCs Include: (Check all that apply)

[✓] Landfill cover/containment
[✓] Access controls
[✓] Land development controls
[✓] Facility development controls
[ ] Monitoring well installation restrictions
[ ] Other: _____
[ ] Groundwater discharge controls
[✓] Excavation controls
[✓] Groundwater use controls

Attachments:

[ ] Site map attached
[ ] Other: _____

ACCESS AND INSTITUTIONAL CONTROLS [ ] N/A

Fencing:

[✓] Undamaged [ ] Gates secured [ ] Location shown on site map

Remarks: _____

Signs and other security measures:

[✓] Present [ ] Not present [ ] Location shown on site map

Remarks: No trespassing signs posted on fencing.

Intuitional Controls (ICs):

Site conditions imply ICs properly implemented

[✓] Yes [ ] No [ ] N/A

Site conditions imply ICs being fully enforced

[✓] Yes [ ] No [ ] N/A

Type of monitoring (e.g., self-reporting, drive by): On-Site Observations

Responsibly party/agency: Air Force Civil Engineer Center

Contact: David Farnsworth, BRAC Environmental Coordinator, 518-563-2871

Requirements in deed or decision documents appear to have been met

[✓] Yes [ ] No [ ] N/A

Violations have been reported

[ ] Yes [ ] No [ ] N/A

Other problems or suggestions:

None

Adequacy:

[✓] ICs are adequate [ ] ICs are not adequate [ ] N/A

Remarks: None

ARCADIS

LUC/IC INSPECTION CHECKLIST
PLATTSBURGH AIR FORCE BASE

Site: Landfill LF-023

General:

Vandalism/trespassing
[ ] Present [✓] No vandalism eviden [ ] Location shown on map
Remarks: None

Land use changes on site
[ ] Yes [✓] No
Remarks: None

Land use changes off site
[ ] Yes [✓] No
Remarks: None

GENERAL SITE CONDITIONS

Roads adequate: [✓] Yes [ ] No

Landfill cap damaged: [ ] N/A
[✓] No damage [ ] Damage (Location shown on map)
Remarks:

Monitoring well condition:
[✓] Properly secured/locked
[✓] Good condition
[✓] Functioning
[✓] All site wells located
[✓] Routinely sampled
[ ] Needs maintenance
[ ] N/A
Remarks: Annually all monitoring wells are inspected to verify condition

Other site conditions:
Remarks: ~~None~~ Ground hog burrow in NW corner.

OVERALL OBSERVATIONS

Describe issues and observations relating to whether LUC/ICs are effective and functioning as designed. Begin with a brief summary of what the LUC/ICS are to accomplish (i.e., to restrict access, restrict groundwater use, restrict land use, etc.) The LUCs/ICs are effective and functioning as designed no violations observed

Landfill Inspection Checklist

Landfill: LF023

Date: 8/1/18 Time: 1640

Name: ES/JD Weather: Sunny 82°F

ITEM	CONDITIONS	YES	NO	ACTION TO BE TAKEN/COMMENTS
Vegetative Layer/Cover Inspections				
General	General vegetative conditions acceptable?	✓		
	Stressed or damaged vegetation?	~~✓~~	✓	
	Deep-rooted or woody vegetation?	✓		trees @ various locations
	Potential hazardous conditions?		✓	
Erosion and Surface	Erosion damage, gullies, breaches?		✓	
	Areas of subsidence?		✓	
	Surface water ponding/accumulation?		✓	
	Obvious differential settlement?		✓	
	Potential hazardous conditions?		✓	
Animal Control	Damage due to burrowing animals?	✓		NW corner → groundhog burrow
	Obvious presence of animals?	✓		" " " "
Surface Activities	Unauthorized trespassing?		✓	
	Intrusive activities/vehicle use?		✓	
	Dumping or disposal?		✓	
	Structures?		✓	
Fences and Signs	Fence integrity good?	✓		
	Site secure?	✓		
	Perimeter signs intact and visible?	✓		
Gas Vent Pipes	Damaged or Obstructed?		✓	
Drainage Ditches	Drainage features clear/unobstructed?	✓		
	Accumulation of sediment/debris?		✓	

Other Notes

ARCADIS

LUC/IC INSPECTION CHECKLIST
PLATTSBURGH AIR FORCE BASE

Site: Landfill LF-024
Date of inspection: 8/1/2018

Inspector: S. Duquette
Weather: 84°F Partly Cloudy

LAND USE CONTROLS (LUCs)

LUCs Include: (Check all that apply)

[✓] Landfill cover/containment
[✓] Access controls
[✓] Land development controls
[✓] Facility development controls
[ ] Monitoring well installation restrictions
[ ] Other: _____
[ ] Groundwater discharge controls
[✓] Excavation controls
[✓] Groundwater use controls

Attachments:

[ ] Site map attached
[ ] Other: _____

ACCESS AND INSTITUTIONAL CONTROLS [ ] N/A

Fencing:

[✓] Undamaged [✓] Gates secured [ ] Location shown on site map

Remarks: _____

Signs and other security measures:

[✓] Present [ ] Not present [ ] Location shown on site map

Remarks: No trespassing signs posted on fencing

Intuitional Controls (ICs):

Site conditions imply ICs properly implemented

[✓] Yes [ ] No [ ] N/A

Site conditions imply ICs being fully enforced

[✓] Yes [ ] No [ ] N/A

Type of monitoring (e.g., self-reporting, drive by): On-Site Observation

Responsibly party/agency: Air Force Civil Engineer Center

Contact: David Farnsworth, BRAC Environmental Coordinator, 518-563-2871

Requirements in deed or decision documents appear to have been met

[✓] Yes [ ] No [ ] N/A

Violations have been reported

[ ] Yes [ ] No [ ] N/A

Other problems or suggestions:

None

Adequacy:

[✓] ICs are adequate [ ] ICs are not adequate [ ] N/A

Remarks: None

ARCADIS

LUC/IC INSPECTION CHECKLIST
PLATTSBURGH AIR FORCE BASE

Site: Landfill LF-024

General:

Vandalism/trespassing
[ ] Present [✓] No vandalism eviden [ ] Location shown on map
Remarks: None

Land use changes on site
[ ] Yes [✓] No
Remarks: None

Land use changes off site
[ ] Yes [✓] No
Remarks: None

GENERAL SITE CONDITIONS

Roads adequate: [ ] Yes [ ] No

Landfill cap damaged: [ ] N/A
[✓] No damage [ ] Damage (Location shown on map)
Remarks:

Monitoring well condition:
[✓] Properly secured/locked [ ] Routinely sampled
[✓] Good condition [ ] Needs maintenance
[✓] Functioning [ ] N/A
[✓] All site wells located
Remarks: MW's Inspected annually

Other site conditions:
Remarks: None

OVERALL OBSERVATIONS

Describe issues and observations relating to whether LUC/ICs are effective and functioning as designed. Begin with a brief summary of what the LUC/ICS are to accomplish (i.e., to restrict access, restrict groundwater use, restrict land use, etc.)

The LUCs/ICs are effective and functioning as designed NO violations were observed.

Landfill Inspection Checklist

Landfill: LF024

Date: 8/1/18

Time: ~~[illegible]~~ 1650

Name: ES/JD

Weather: ~~[illegible]~~ Partly Cloudy 84-F

ITEM	CONDITIONS	YES	NO	ACTION TO BE TAKEN/COMMENTS
Vegetative Layer/Cover Inspections				
General	General vegetative conditions acceptable?	✓		
	Stressed or damaged vegetation?	✓		NE Corner → bare ground/no veg
	Deep-rooted or woody vegetation?		✓	
	Potential hazardous conditions?		✓	
Erosion and Surface	Erosion damage, gullies, breaches?		✓	
	Areas of subsidence?		✓	
	Surface water ponding/accumulation?		✓	
	Obvious differential settlement?		✓	
	Potential hazardous conditions?		✓	
Animal Control	Damage due to burrowing animals?	✓		Southern ridge → burrow
	Obvious presence of animals?	✓		ground hog burrow
Surface Activities	Unauthorized trespassing?		✓	
	Intrusive activities/vehicle use?		✓	
	Dumping or disposal?		✓	
	Structures?		✓	
Fences and Signs	Fence integrity good?	✓		
	Site secure?	✓		
	Perimeter signs intact and visible?	✓		
Gas Vent Pipes	Damaged or Obstructed?			NA
Drainage Ditches	Drainage features clear/unobstructed?	✓		
	Accumulation of sediment/debris?		✓	

Other Notes

APPENDIX B

Data Summaries

APPENDIX B-1

Site FT002/IA GW OU

Appendix B-1
Groundwater Analytical Data (March 2018)
FT002/Industrial Area Groundwater Operable Unit
Fifth Five-Year Review

			Location	63PLTW20	MW-02-006	MW-02-008	MW-02-010	MW-02-017	MW-02-038	MW-02-044	MW-02-073	MW-02-083	MW-02-086
			Sample Date	3/29/2018	3/27/2018	3/27/2018	3/27/2018	3/27/2018	3/27/2018	3/27/2018	3/28/2018	3/28/2018	3/28/2018
			Sample Type	N	N	N	N	N	N	N	N	N	N
Method	**Chemical Name**	**Screening Criteria**	**Units**										
SW8260B	1,1,1,2-Tetrachloroethane	5	µg/L	< 0.80 U	< 0.80 U	< 3.2 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	1,1,1-Trichloroethane	5	µg/L	< 0.40 U	< 0.40 U	< 1.6 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	1,1,2,2-Tetrachloroethane	5	µg/L	< 0.80 U	< 0.80 U	< 3.2 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	1,1,2-Trichloroethane	1	µg/L	< 0.80 U	< 0.80 U	< 3.2 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	1,1-Dichloroethane	5	µg/L	< 0.80 U	< 0.80 U	< 3.2 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	1,1-Dichloroethene	5	µg/L	< 0.80 U	< 0.80 U	< 3.2 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	1,1-Dichloropropene	5	µg/L	< 0.40 U	< 0.40 U	< 1.6 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	1,2,3-Trichlorobenzene	5	µg/L	< 0.80 U	< 0.80 U	< 3.2 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	1,2,3-Trichloropropane	0.04	µg/L	< 0.80 U	< 0.80 U	< 3.2 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	1,2,4-Trichlorobenzene	5	µg/L	< 0.80 U	< 0.80 U	**1.6 JD**	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	1,2,4-Trimethylbenzene	5	µg/L	< 0.40 U	< 0.40 U	**7.6 D**	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	1,2-Dibromo-3-chloropropane	0.04	µg/L	< 1.6 U	< 1.6 U	< 6.4 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U
SW8260B	1,2-Dibromoethane	0.0006	µg/L	< 0.40 U	< 0.40 U	< 1.6 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	1,2-Dichlorobenzene	3	µg/L	< 0.40 U	< 0.40 U	**39 D**	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	1,2-Dichloroethane	0.6	µg/L	< 0.40 U	< 0.40 U	< 1.6 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	1,2-Dichloroethene, Total	5	µg/L	< 0.20 U	< 0.20 U	< 0.80 U	< 0.20 U	**2.8**	**4.5**	< 0.20 U	< 0.20 U	**31**	< 0.20 U
SW8260B	1,2-Dichloropropane	1	µg/L	< 0.40 U	< 0.40 U	< 1.6 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	1,3,5-Trimethylbenzene	5	µg/L	< 0.40 U	< 0.40 U	**11 D**	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	1,3-Dichlorobenzene	3	µg/L	< 0.40 U	< 0.40 U	**13 D**	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	1,3-Dichloropropane	5	µg/L	< 0.80 U	< 0.80 U	< 3.2 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	1,4-Dichlorobenzene	3	µg/L	< 0.40 U	< 0.40 U	**23 D**	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	2,2-Dichloropropane	5	µg/L	< 0.40 U	< 0.40 U	< 1.6 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	2-Butanone (MEK)	50	µg/L	< 4.0 U	< 4.0 U	< 16 U	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U
SW8260B	2-Chlorotoluene	5	µg/L	< 0.40 U	< 0.40 U	< 1.6 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	4-Chlorotoluene	5	µg/L	< 0.80 U	< 0.80 U	< 3.2 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	4-Methyl-2-Pentanone	--	µg/L	< 3.2 U	< 3.2 U	< 13 U	< 3.2 U	< 3.2 U	< 3.2 U	< 3.2 U	< 3.2 U	< 3.2 U	< 3.2 U
SW8260B	Acetone	50	µg/L	< 6.4 U	< 6.4 U	**94 D**	< 6.4 U	< 6.4 U	< 6.4 U	< 6.4 U	< 6.4 U	< 6.4 U	< 6.4 U
SW8260B	Benzene	1	µg/L	< 0.40 U	< 0.40 U	< 1.6 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Bromobenzene	5	µg/L	< 0.40 U	< 0.40 U	< 1.6 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Bromochloromethane	5	µg/L	< 0.20 U	< 0.20 U	< 0.80 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U
SW8260B	Bromodichloromethane	50	µg/L	< 0.40 U	< 0.40 U	< 1.6 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Bromoform	50	µg/L	< 0.40 U	< 0.40 U	< 1.6 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Bromomethane	5	µg/L	< 0.80 U	< 0.80 U	< 3.2 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	Carbon Disulfide	60	µg/L	< 1.6 U	< 1.6 U	< 6.4 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U
SW8260B	Carbon Tetrachloride	5	µg/L	< 0.40 U	< 0.40 U	< 1.6 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	CFC-11	5	µg/L	< 0.80 U	< 0.80 U	< 3.2 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	CFC-12	5	µg/L	< 0.80 U	< 0.80 U	< 3.2 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	**0.60 J**	< 0.80 U
SW8260B	Chlorobenzene	5	µg/L	< 0.40 U	< 0.40 U	< 1.6 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Chlorodibromomethane	50	µg/L	< 0.40 U	< 0.40 U	< 1.6 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Chloroethane	5	µg/L	< 1.6 U	< 1.6 U	< 6.4 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U
SW8260B	Chloroform	7	µg/L	< 0.40 U	< 0.40 U	< 1.6 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Chloromethane	5	µg/L	< 0.80 U	< 0.80 U	< 3.2 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	cis-1,2-Dichloroethene	5	µg/L	< 0.40 U	< 0.40 U	< 1.6 U	< 0.40 U	**2.8**	**4.5**	< 0.40 U	< 0.40 U	**24**	< 0.40 U
SW8260B	cis-1,3-Dichloropropene	0.4	µg/L	< 0.40 U	< 0.40 U	< 1.6 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Cymene (p-Isopropyltoluene)	5	µg/L	< 0.40 U	< 0.40 U	< 1.6 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U

Appendix B-1
Groundwater Analytical Data (March 2018)
FT002/Industrial Area Groundwater Operable Unit
Fifth Five-Year Review

			Location	63PLTW20	MW-02-006	MW-02-008	MW-02-010	MW-02-017	MW-02-038	MW-02-044	MW-02-073	MW-02-083	MW-02-086
			Sample Date	3/29/2018	3/27/2018	3/27/2018	3/27/2018	3/27/2018	3/27/2018	3/27/2018	3/28/2018	3/28/2018	3/28/2018
			Sample Type	N	N	N	N	N	N	N	N	N	N
Method	**Chemical Name**	**Screening Criteria**	**Units**										
SW8260B	Dibromomethane	5	µg/L	< 0.40 U	< 0.40 U	< 1.6 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Dichloromethane (methylene chloride)	5	µg/L	< 0.80 U	< 0.80 U	< 3.2 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	Ethylbenzene	5	µg/L	< 0.40 U	**2.9**	**4.8 D**	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Hexachloro-1,3-butadiene	0.5	µg/L	< 0.80 U	< 0.80 U	< 3.2 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	Isopropylbenzene	5	µg/L	< 0.40 U	**0.46 J**	**0.93 JD**	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	m&p-Xylenes	5	µg/L	< 0.80 U	< 0.80 U	**26 D**	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	Methyl N-Butyl Ketone (2-Hexanone)	50	µg/L	< 4.0 U	< 4.0 U	< 16 U	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U
SW8260B	Methylcyclohexane	--	µg/L	< 0.80 U	< 0.80 U	**7.9 JD**	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	Methyl-tert-butylether	10	µg/L	< 0.80 U	< 0.80 U	< 3.2 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	Naphthalene	10	µg/L	< 0.80 U	< 0.80 U	**3.9 JD**	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	n-Butylbenzene	5	µg/L	< 0.80 U	< 0.80 U	< 3.2 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	n-Propylbenzene	5	µg/L	< 0.40 U	**0.23 J**	**1.1 JD**	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	o-Xylene	5	µg/L	< 0.40 U	< 0.40 U	**51 D**	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	sec-Butylbenzene	5	µg/L	< 0.40 U	< 0.40 U	< 1.6 U	< 0.40 U	**0.45 J**	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Styrene (Monomer)	5	µg/L	< 0.40 U	< 0.40 U	< 1.6 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	tert-Butylbenzene	5	µg/L	< 0.40 U	< 0.40 U	< 1.6 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Tetrachloroethene	5	µg/L	< 0.40 U	< 0.40 U	< 1.6 U	< 0.40 U	**0.23 J**	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Toluene	5	µg/L	< 0.40 U	< 0.40 U	< 1.6 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Total Xylenes	5	µg/L	< 0.80 U	< 0.80 U	**77**	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	trans-1,2-Dichloroethene	5	µg/L	< 0.40 U	< 0.40 U	< 1.6 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	**7.3**	< 0.40 U
SW8260B	trans-1,3-Dichloropropene	0.4	µg/L	< 0.40 U	**0.20 J**	< 1.6 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Trichloroethene	5	µg/L	**3.2**	< 0.40 U	< 1.6 U	**8.2**	**9.9**	**11**	< 0.40 U	< 0.40 U	**160 D**	**0.22 J**
SW8260B	Vinyl chloride	2	µg/L	< 0.20 U	< 0.20 U	< 0.80 U	< 0.20 U	< 0.20 U	**0.63 J**	< 0.20 U	< 0.20 U	**0.39 J**	< 0.20 U
E350.1	Ammonia Nitrogen	2	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Groundwater Analytical Data (March 2018)
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			Location	MW-02-089	MW-02-094	MW-11-001	MW-11-002R	MW-11-002R	MW-11-003R	MW-11-004	MW-11-008	MW-11-010	MW-11-010
			Sample Date	4/18/2018	3/27/2018	3/28/2018	3/28/2018	3/28/2018	3/28/2018	3/28/2018	3/29/2018	3/28/2018	3/28/2018
			Sample Type	N	N	N	N	FD	N	N	N	N	FD
Method	**Chemical Name**	**Screening Criteria**	**Units**										
SW8260B	1,1,1,2-Tetrachloroethane	5	µg/L	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	1,1,1-Trichloroethane	5	µg/L	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	1,1,2,2-Tetrachloroethane	5	µg/L	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	1,1,2-Trichloroethane	1	µg/L	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	1,1-Dichloroethane	5	µg/L	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	1,1-Dichloroethene	5	µg/L	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	1,1-Dichloropropene	5	µg/L	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	1,2,3-Trichlorobenzene	5	µg/L	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	1,2,3-Trichloropropane	0.04	µg/L	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	1,2,4-Trichlorobenzene	5	µg/L	< 0.80 U	< 0.80 UJ	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	1,2,4-Trimethylbenzene	5	µg/L	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	1,2-Dibromo-3-chloropropane	0.04	µg/L	< 1.6 UJ	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U
SW8260B	1,2-Dibromoethane	0.0006	µg/L	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	1,2-Dichlorobenzene	3	µg/L	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	1,2-Dichloroethane	0.6	µg/L	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	1,2-Dichloroethene, Total	5	µg/L	**0.25 J**	< 0.20 U	**16**	**0.30 J**	**0.32 J**	< 0.20 U	**1.1**	**8.2**	**5.4**	**5.2**
SW8260B	1,2-Dichloropropane	1	µg/L	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	1,3,5-Trimethylbenzene	5	µg/L	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	1,3-Dichlorobenzene	3	µg/L	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	1,3-Dichloropropane	5	µg/L	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	1,4-Dichlorobenzene	3	µg/L	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	2,2-Dichloropropane	5	µg/L	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	2-Butanone (MEK)	50	µg/L	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U
SW8260B	2-Chlorotoluene	5	µg/L	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	4-Chlorotoluene	5	µg/L	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	4-Methyl-2-Pentanone	--	µg/L	< 3.2 U	< 3.2 U	< 3.2 U	< 3.2 U	< 3.2 U	< 3.2 U	< 3.2 U	< 3.2 U	< 3.2 U	< 3.2 U
SW8260B	Acetone	50	µg/L	< 6.4 U	< 6.4 U	< 6.4 U	< 6.4 U	< 6.4 U	< 6.4 U	< 6.4 U	< 6.4 U	< 6.4 U	< 6.4 U
SW8260B	Benzene	1	µg/L	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Bromobenzene	5	µg/L	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Bromochloromethane	5	µg/L	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U
SW8260B	Bromodichloromethane	50	µg/L	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Bromoform	50	µg/L	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Bromomethane	5	µg/L	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	Carbon Disulfide	60	µg/L	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U
SW8260B	Carbon Tetrachloride	5	µg/L	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	CFC-11	5	µg/L	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	CFC-12	5	µg/L	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	Chlorobenzene	5	µg/L	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Chlorodibromomethane	50	µg/L	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Chloroethane	5	µg/L	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U
SW8260B	Chloroform	7	µg/L	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Chloromethane	5	µg/L	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	cis-1,2-Dichloroethene	5	µg/L	**0.25 J**	< 0.40 U	**15**	**0.30 J**	**0.32 J**	< 0.40 U	**1.1**	**3.6**	**3.9**	**3.7**
SW8260B	cis-1,3-Dichloropropene	0.4	µg/L	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Cymene (p-Isopropyltoluene)	5	µg/L	< 0.40 U	< 0.40 UJ	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U

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			Location	MW-02-089	MW-02-094	MW-11-001	MW-11-002R	MW-11-002R	MW-11-003R	MW-11-004	MW-11-008	MW-11-010	MW-11-010
			Sample Date	4/18/2018	3/27/2018	3/28/2018	3/28/2018	3/28/2018	3/28/2018	3/28/2018	3/29/2018	3/28/2018	3/28/2018
			Sample Type	N	N	N	N	FD	N	N	N	N	FD
Method	**Chemical Name**	**Screening Criteria**	**Units**										
SW8260B	Dibromomethane	5	µg/L	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Dichloromethane (methylene chloride)	5	µg/L	< 0.80 U	< 0.80 U	< 0.80 U	**0.47 J**	**0.77 J**	< 0.80 U	< 0.80 U	< 0.80 U	**0.42 J**	**0.62 J**
SW8260B	Ethylbenzene	5	µg/L	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Hexachloro-1,3-butadiene	0.5	µg/L	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	Isopropylbenzene	5	µg/L	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	m&p-Xylenes	5	µg/L	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	Methyl N-Butyl Ketone (2-Hexanone)	50	µg/L	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U
SW8260B	Methylcyclohexane	--	µg/L	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	Methyl-tert-butylether	10	µg/L	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	Naphthalene	10	µg/L	< 0.80 U	< 0.80 UJ	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	n-Butylbenzene	5	µg/L	< 0.80 U	< 0.80 UJ	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	n-Propylbenzene	5	µg/L	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	o-Xylene	5	µg/L	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	sec-Butylbenzene	5	µg/L	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Styrene (Monomer)	5	µg/L	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	tert-Butylbenzene	5	µg/L	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Tetrachloroethene	5	µg/L	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	**0.30 J**	**0.26 J**
SW8260B	Toluene	5	µg/L	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Total Xylenes	5	µg/L	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	trans-1,2-Dichloroethene	5	µg/L	< 0.40 U	< 0.40 U	**1.1**	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	**4.6**	**1.5**	**1.5**
SW8260B	trans-1,3-Dichloropropene	0.4	µg/L	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Trichloroethene	5	µg/L	< 0.40 U	< 0.40 U	**0.53 J**	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	**0.35 J**	**16**	**15**
SW8260B	Vinyl chloride	2	µg/L	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	**0.17 J**	< 0.20 U	< 0.20 U
E350.1	Ammonia Nitrogen	2	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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			Location	MW-12-001R	MW-12-001R	MW-2612-03	MW-2612-15	MW-GWOU-11	MW-GWOU-13	MW-GWOU-15	MW-GWOU-16	MW-GWOU-19	MW-GWOU-22
			Sample Date	3/28/2018	3/28/2018	3/29/2018	3/27/2018	3/27/2018	3/27/2018	3/27/2018	3/27/2018	3/27/2018	3/27/2018
			Sample Type	N	FD	N	N	N	N	N	N	N	N
Method	**Chemical Name**	**Screening Criteria**	**Units**										
SW8260B	1,1,1,2-Tetrachloroethane	5	µg/L	NA	NA	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	1,1,1-Trichloroethane	5	µg/L	NA	NA	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	1,1,2,2-Tetrachloroethane	5	µg/L	NA	NA	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	1,1,2-Trichloroethane	1	µg/L	NA	NA	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	1,1-Dichloroethane	5	µg/L	NA	NA	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	1,1-Dichloroethene	5	µg/L	NA	NA	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	1,1-Dichloropropene	5	µg/L	NA	NA	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	1,2,3-Trichlorobenzene	5	µg/L	NA	NA	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	1,2,3-Trichloropropane	0.04	µg/L	NA	NA	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	1,2,4-Trichlorobenzene	5	µg/L	NA	NA	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	1,2,4-Trimethylbenzene	5	µg/L	NA	NA	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	1,2-Dibromo-3-chloropropane	0.04	µg/L	NA	NA	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U
SW8260B	1,2-Dibromoethane	0.0006	µg/L	NA	NA	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	1,2-Dichlorobenzene	3	µg/L	NA	NA	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	1,2-Dichloroethane	0.6	µg/L	NA	NA	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	1,2-Dichloroethene, Total	5	µg/L	NA	NA	**1.2**	**1.5**	< 0.20 U	< 0.20 U	**56**	**0.30 J**	**1.6**	< 0.20 U
SW8260B	1,2-Dichloropropane	1	µg/L	NA	NA	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	1,3,5-Trimethylbenzene	5	µg/L	NA	NA	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	1,3-Dichlorobenzene	3	µg/L	NA	NA	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	1,3-Dichloropropane	5	µg/L	NA	NA	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	1,4-Dichlorobenzene	3	µg/L	NA	NA	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	2,2-Dichloropropane	5	µg/L	NA	NA	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	2-Butanone (MEK)	50	µg/L	NA	NA	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U
SW8260B	2-Chlorotoluene	5	µg/L	NA	NA	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	4-Chlorotoluene	5	µg/L	NA	NA	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	4-Methyl-2-Pentanone	--	µg/L	NA	NA	< 3.2 U	< 3.2 U	< 3.2 U	< 3.2 U	< 3.2 U	< 3.2 U	< 3.2 U	< 3.2 U
SW8260B	Acetone	50	µg/L	NA	NA	< 6.4 U	< 6.4 U	**3.0 J**	< 6.4 U	< 6.4 U	< 6.4 U	< 6.4 U	< 6.4 U
SW8260B	Benzene	1	µg/L	NA	NA	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	**3.9**	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Bromobenzene	5	µg/L	NA	NA	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Bromochloromethane	5	µg/L	NA	NA	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U
SW8260B	Bromodichloromethane	50	µg/L	NA	NA	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Bromoform	50	µg/L	NA	NA	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Bromomethane	5	µg/L	NA	NA	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	Carbon Disulfide	60	µg/L	NA	NA	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U
SW8260B	Carbon Tetrachloride	5	µg/L	NA	NA	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	CFC-11	5	µg/L	NA	NA	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	CFC-12	5	µg/L	NA	NA	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	Chlorobenzene	5	µg/L	NA	NA	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Chlorodibromomethane	50	µg/L	NA	NA	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Chloroethane	5	µg/L	NA	NA	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U
SW8260B	Chloroform	7	µg/L	NA	NA	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Chloromethane	5	µg/L	NA	NA	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	cis-1,2-Dichloroethene	5	µg/L	NA	NA	**0.34 J**	**1.2**	< 0.40 U	< 0.40 U	**30**	**0.30 J**	**1.6**	< 0.40 U
SW8260B	cis-1,3-Dichloropropene	0.4	µg/L	NA	NA	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Cymene (p-Isopropyltoluene)	5	µg/L	NA	NA	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U

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			Location	MW-12-001R	MW-12-001R	MW-2612-03	MW-2612-15	MW-GWOU-11	MW-GWOU-13	MW-GWOU-15	MW-GWOU-16	MW-GWOU-19	MW-GWOU-22
			Sample Date	3/28/2018	3/28/2018	3/29/2018	3/27/2018	3/27/2018	3/27/2018	3/27/2018	3/27/2018	3/27/2018	3/27/2018
			Sample Type	N	FD	N	N	N	N	N	N	N	N
Method	**Chemical Name**	**Screening Criteria**	**Units**										
SW8260B	Dibromomethane	5	µg/L	NA	NA	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Dichloromethane (methylene chloride)	5	µg/L	NA	NA	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	**0.42 J**
SW8260B	Ethylbenzene	5	µg/L	NA	NA	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Hexachloro-1,3-butadiene	0.5	µg/L	NA	NA	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	Isopropylbenzene	5	µg/L	NA	NA	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	**0.82 J**	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	m&p-Xylenes	5	µg/L	NA	NA	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	Methyl N-Butyl Ketone (2-Hexanone)	50	µg/L	NA	NA	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U
SW8260B	Methylcyclohexane	--	µg/L	NA	NA	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	**1.3 J**	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	Methyl-tert-butylether	10	µg/L	NA	NA	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	Naphthalene	10	µg/L	NA	NA	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	n-Butylbenzene	5	µg/L	NA	NA	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	n-Propylbenzene	5	µg/L	NA	NA	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	o-Xylene	5	µg/L	NA	NA	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	sec-Butylbenzene	5	µg/L	NA	NA	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Styrene (Monomer)	5	µg/L	NA	NA	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	tert-Butylbenzene	5	µg/L	NA	NA	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Tetrachloroethene	5	µg/L	NA	NA	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Toluene	5	µg/L	NA	NA	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Total Xylenes	5	µg/L	NA	NA	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	trans-1,2-Dichloroethene	5	µg/L	NA	NA	**0.85 J**	**0.28 J**	< 0.40 U	< 0.40 U	**26**	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	trans-1,3-Dichloropropene	0.4	µg/L	NA	NA	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Trichloroethene	5	µg/L	NA	NA	< 0.40 U	< 0.40 U	< 0.40 U	**0.32 J**	**19**	**0.23 J**	**1.3**	**2.6**
SW8260B	Vinyl chloride	2	µg/L	NA	NA	**11**	< 0.20 U	< 0.20 U	< 0.20 U	**3.9**	< 0.20 U	< 0.20 U	< 0.20 U
E350.1	Ammonia Nitrogen	2	mg/L	< 0.050 U	**0.047 J**	NA	NA	NA	NA	NA	NA	NA	NA

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			Location	MW-GWOU-23	MW-GWOU-26	MW-GWOU-27	MW-GWOU-32	MW-PH3-E6
			Sample Date	3/27/2018	3/27/2018	3/27/2018	3/28/2018	3/29/2018
			Sample Type	N	N	N	N	N
Method	**Chemical Name**	**Screening Criteria**	**Units**					
SW8260B	1,1,1,2-Tetrachloroethane	5	µg/L	< 0.80 U	< 3.2 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	1,1,1-Trichloroethane	5	µg/L	< 0.40 U	< 1.6 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	1,1,2,2-Tetrachloroethane	5	µg/L	< 0.80 U	< 3.2 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	1,1,2-Trichloroethane	1	µg/L	< 0.80 U	< 3.2 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	1,1-Dichloroethane	5	µg/L	< 0.80 U	< 3.2 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	1,1-Dichloroethene	5	µg/L	< 0.80 U	< 3.2 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	1,1-Dichloropropene	5	µg/L	< 0.40 U	< 1.6 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	1,2,3-Trichlorobenzene	5	µg/L	< 0.80 U	< 3.2 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	1,2,3-Trichloropropane	0.04	µg/L	< 0.80 U	< 3.2 U	< 0.80 U	< 0.80 U	**1.4 J**
SW8260B	1,2,4-Trichlorobenzene	5	µg/L	< 0.80 U	< 3.2 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	1,2,4-Trimethylbenzene	5	µg/L	< 0.40 U	**140 D**	< 0.40 U	< 0.40 U	**7.0 J**
SW8260B	1,2-Dibromo-3-chloropropane	0.04	µg/L	< 1.6 U	< 6.4 U	< 1.6 U	< 1.6 U	< 1.6 U
SW8260B	1,2-Dibromoethane	0.0006	µg/L	< 0.40 U	< 1.6 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	1,2-Dichlorobenzene	3	µg/L	< 0.40 U	**1.5 JD**	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	1,2-Dichloroethane	0.6	µg/L	< 0.40 U	< 1.6 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	1,2-Dichloroethene, Total	5	µg/L	< 0.20 U	**2.1 J**	< 0.20 U	**0.77 J**	< 0.20 U
SW8260B	1,2-Dichloropropane	1	µg/L	< 0.40 U	< 1.6 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	1,3,5-Trimethylbenzene	5	µg/L	< 0.40 U	**34 D**	< 0.40 U	< 0.40 U	**64 D**
SW8260B	1,3-Dichlorobenzene	3	µg/L	< 0.40 U	**2.6 JD**	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	1,3-Dichloropropane	5	µg/L	< 0.80 U	< 3.2 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	1,4-Dichlorobenzene	3	µg/L	< 0.40 U	**6.4 D**	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	2,2-Dichloropropane	5	µg/L	< 0.40 U	< 1.6 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	2-Butanone (MEK)	50	µg/L	< 4.0 U	< 16 U	< 4.0 U	< 4.0 U	< 4.0 U
SW8260B	2-Chlorotoluene	5	µg/L	< 0.40 U	< 1.6 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	4-Chlorotoluene	5	µg/L	< 0.80 U	< 3.2 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	4-Methyl-2-Pentanone	--	µg/L	< 3.2 U	< 13 U	< 3.2 U	< 3.2 U	< 3.2 U
SW8260B	Acetone	50	µg/L	< 6.4 U	**13 JD**	< 6.4 U	< 6.4 U	< 6.4 U
SW8260B	Benzene	1	µg/L	< 0.40 U	< 1.6 U	< 0.40 U	< 0.40 U	**0.62 J**
SW8260B	Bromobenzene	5	µg/L	< 0.40 U	< 1.6 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Bromochloromethane	5	µg/L	< 0.20 U	< 0.80 U	< 0.20 U	< 0.20 U	< 0.20 U
SW8260B	Bromodichloromethane	50	µg/L	< 0.40 U	< 1.6 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Bromoform	50	µg/L	< 0.40 U	< 1.6 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Bromomethane	5	µg/L	< 0.80 U	< 3.2 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	Carbon Disulfide	60	µg/L	< 1.6 U	< 6.4 U	< 1.6 U	< 1.6 U	< 1.6 U
SW8260B	Carbon Tetrachloride	5	µg/L	< 0.40 U	< 1.6 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	CFC-11	5	µg/L	< 0.80 U	< 3.2 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	CFC-12	5	µg/L	< 0.80 U	< 3.2 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	Chlorobenzene	5	µg/L	< 0.40 U	< 1.6 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Chlorodibromomethane	50	µg/L	< 0.40 U	< 1.6 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Chloroethane	5	µg/L	< 1.6 U	< 6.4 U	< 1.6 U	< 1.6 U	< 1.6 U
SW8260B	Chloroform	7	µg/L	< 0.40 U	< 1.6 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Chloromethane	5	µg/L	< 0.80 U	< 3.2 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	cis-1,2-Dichloroethene	5	µg/L	< 0.40 U	**2.1 JD**	< 0.40 U	**0.77 J**	< 0.40 U
SW8260B	cis-1,3-Dichloropropene	0.4	µg/L	< 0.40 U	< 1.6 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Cymene (p-Isopropyltoluene)	5	µg/L	< 0.40 U	**16 D**	< 0.40 U	< 0.40 U	**1.8 J**

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			Location	MW-GWOU-23	MW-GWOU-26	MW-GWOU-27	MW-GWOU-32	MW-PH3-E6
			Sample Date	3/27/2018	3/27/2018	3/27/2018	3/28/2018	3/29/2018
			Sample Type	N	N	N	N	N
Method	**Chemical Name**	**Screening Criteria**	**Units**					
SW8260B	Dibromomethane	5	µg/L	< 0.40 U	< 1.6 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Dichloromethane (methylene chloride)	5	µg/L	< 0.80 U	< 3.2 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	Ethylbenzene	5	µg/L	< 0.40 U	**26 D**	< 0.40 U	< 0.40 U	**310 D**
SW8260B	Hexachloro-1,3-butadiene	0.5	µg/L	< 0.80 U	< 3.2 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	Isopropylbenzene	5	µg/L	< 0.40 U	**7.1 D**	< 0.40 U	< 0.40 U	**110 D**
SW8260B	m&p-Xylenes	5	µg/L	< 0.80 U	**72 D**	< 0.80 U	< 0.80 U	**15 J**
SW8260B	Methyl N-Butyl Ketone (2-Hexanone)	50	µg/L	< 4.0 U	< 16 U	< 4.0 U	< 4.0 U	< 4.0 U
SW8260B	Methylcyclohexane	--	µg/L	< 0.80 U	**84 D**	< 0.80 U	< 0.80 U	**75 D**
SW8260B	Methyl-tert-butylether	10	µg/L	< 0.80 U	< 3.2 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	Naphthalene	10	µg/L	< 0.80 U	**15 D**	< 0.80 U	< 0.80 U	**1.6 J**
SW8260B	n-Butylbenzene	5	µg/L	< 0.80 U	**7.7 D**	< 0.80 U	< 0.80 U	**7.3 J**
SW8260B	n-Propylbenzene	5	µg/L	< 0.40 U	**6.3 D**	< 0.40 U	< 0.40 U	**70 D**
SW8260B	o-Xylene	5	µg/L	< 0.40 U	**5.4 D**	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	sec-Butylbenzene	5	µg/L	< 0.40 U	**6.2 D**	< 0.40 U	< 0.40 U	**27 J**
SW8260B	Styrene (Monomer)	5	µg/L	< 0.40 U	< 1.6 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	tert-Butylbenzene	5	µg/L	< 0.40 U	< 1.6 U	< 0.40 U	< 0.40 U	**2.1 J**
SW8260B	Tetrachloroethene	5	µg/L	< 0.40 U	< 1.6 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Toluene	5	µg/L	< 0.40 U	**0.74 JD**	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Total Xylenes	5	µg/L	< 0.80 U	**77**	< 0.80 U	< 0.80 U	**15 J**
SW8260B	trans-1,2-Dichloroethene	5	µg/L	< 0.40 U	< 1.6 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	trans-1,3-Dichloropropene	0.4	µg/L	< 0.40 U	< 1.6 U	< 0.40 U	< 0.40 U	**0.33 J**
SW8260B	Trichloroethene	5	µg/L	< 0.40 U	< 1.6 U	**0.19 J**	**0.40 J**	< 0.40 U
SW8260B	Vinyl chloride	2	µg/L	< 0.20 U	**0.41 JD**	< 0.20 U	< 0.20 U	< 0.20 U
E350.1	Ammonia Nitrogen	2	mg/L	NA	NA	NA	NA	NA

Notes:

Detections are **boldfaced**
Exceedances are shaded grey.
Screening Criteria: NYSDEC TOGS 1 1 1 (GA GROUNDWATER)
VOCs were analyzed using Method SW 8620B
Ammonia Nitrogen was analyzed using Method E350.1
NAPL was measured in MW-PH3-G5 in December 2016, so a sample was not collected.

µg/L: micrograms per liter
D: duplicate sample
mg/L: miligrams per liter
N: normal (parent) sample

Data Qualifiers:
D: Concentration is based on a diluted sample analysis.
J: The compound was positively identified; however, the associated numerical value is an estimated concentration only.
U: The compound was analyzed for but not detected. The associated value is the compound quantitation limit.
UJ: The compound was not detected above the reported sample quantitation limit. However, the reported limit is approximate and may or may not represent the actual limit of quantitation.

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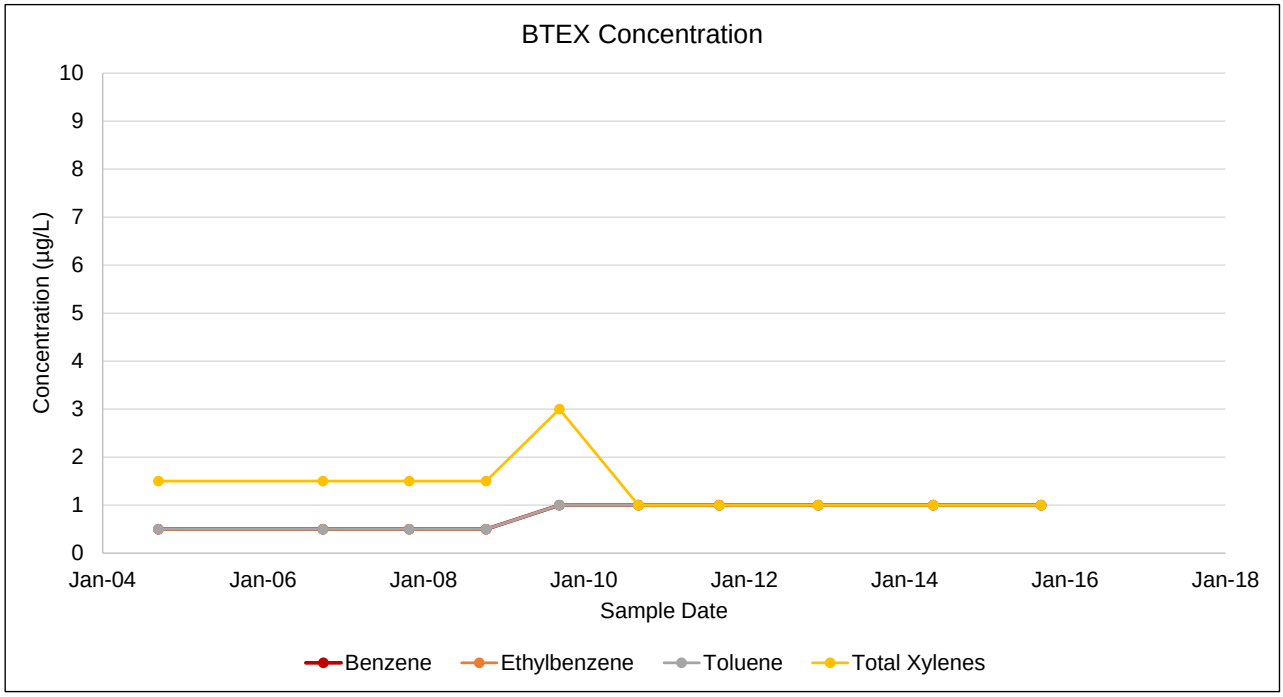
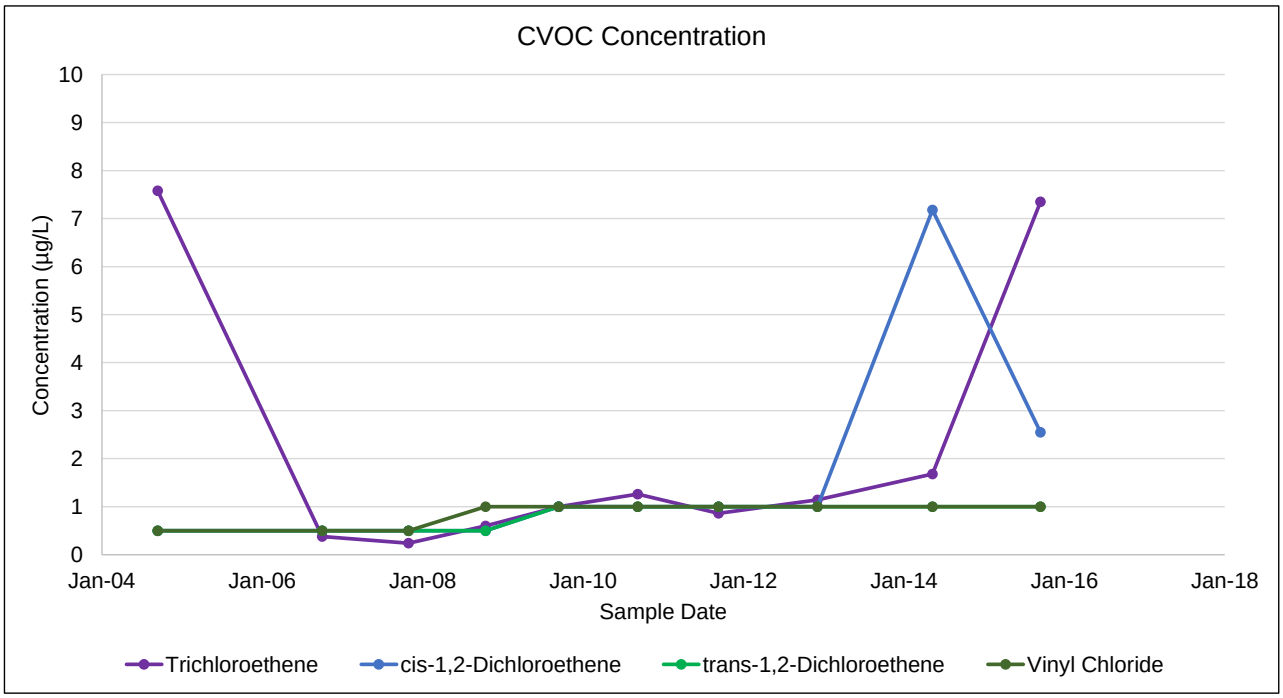
44-PLT-W1





Notes:
µg/L: micrograms per liter
BTEX: benzene, toluene, ethylbenzene and total xylenes
CVOC: chlorinated volatile organic compound
Non-detect sample results are presented as half the reporting limit

Former Plattsburgh Air Force Base
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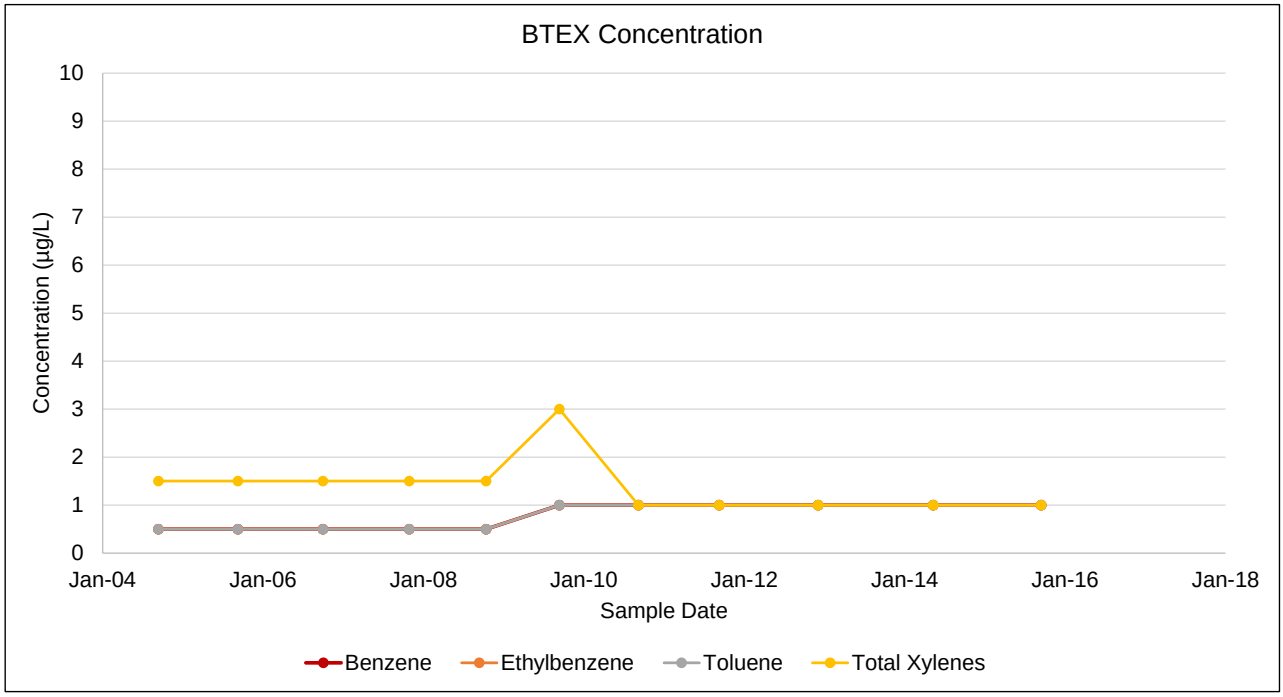
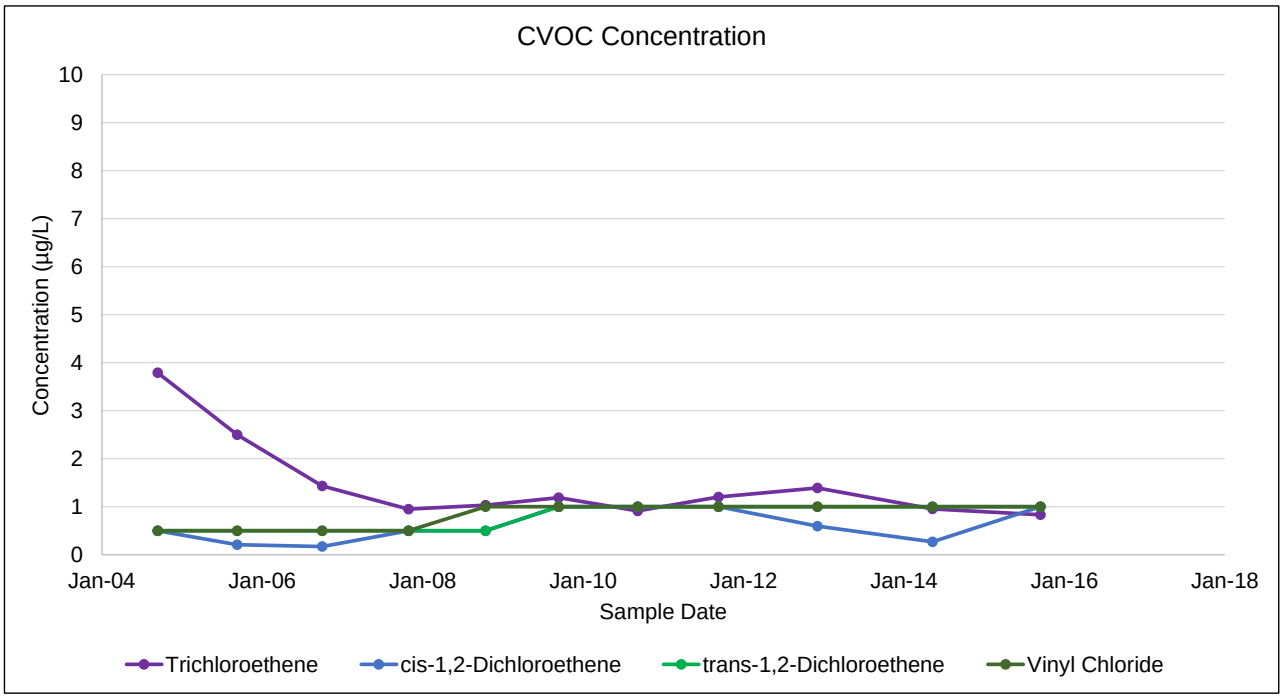
45-PLT-W1





Notes:
µg/L: micrograms per liter
BTEX: benzene, toluene, ethylbenzene and total xylenes
CVOC: chlorinated volatile organic compound
Non-detect sample results are presented as half the reporting limit

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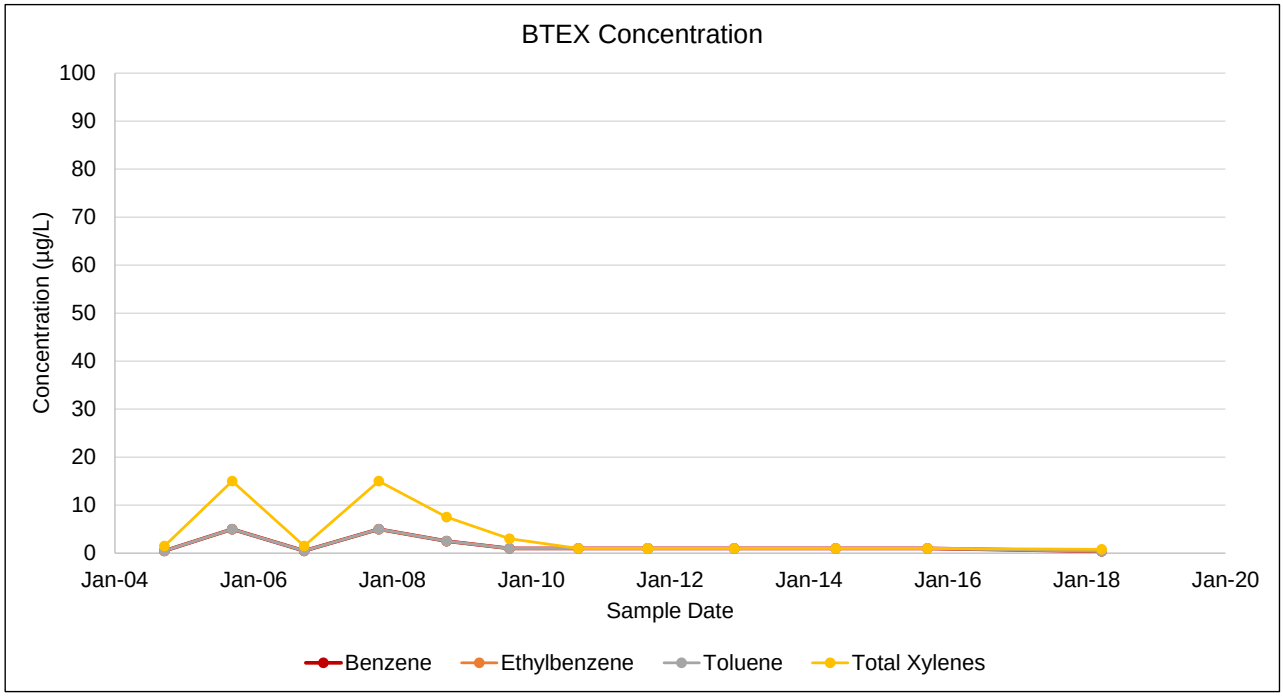
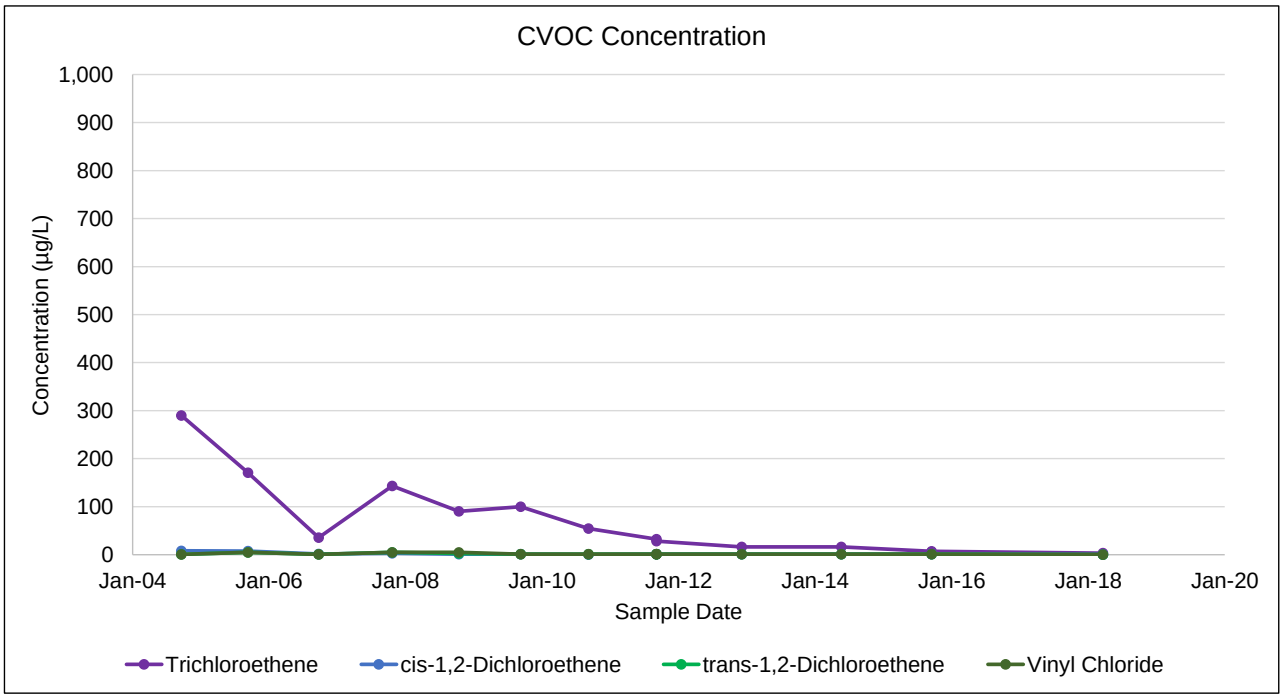
63PLTW20





Notes:
µg/L: micrograms per liter
BTEX: benzene, toluene, ethylbenzene and total xylenes
CVOC: chlorinated volatile organic compound
Non-detect sample results are presented as half the reporting limit

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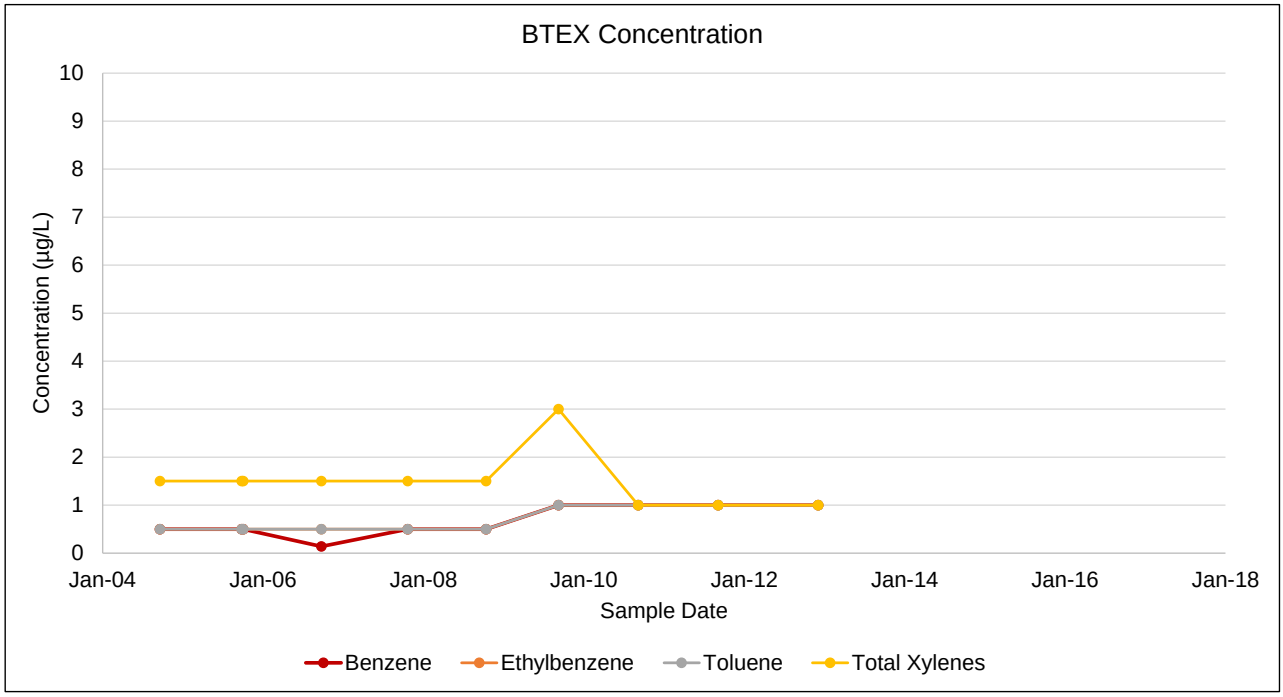
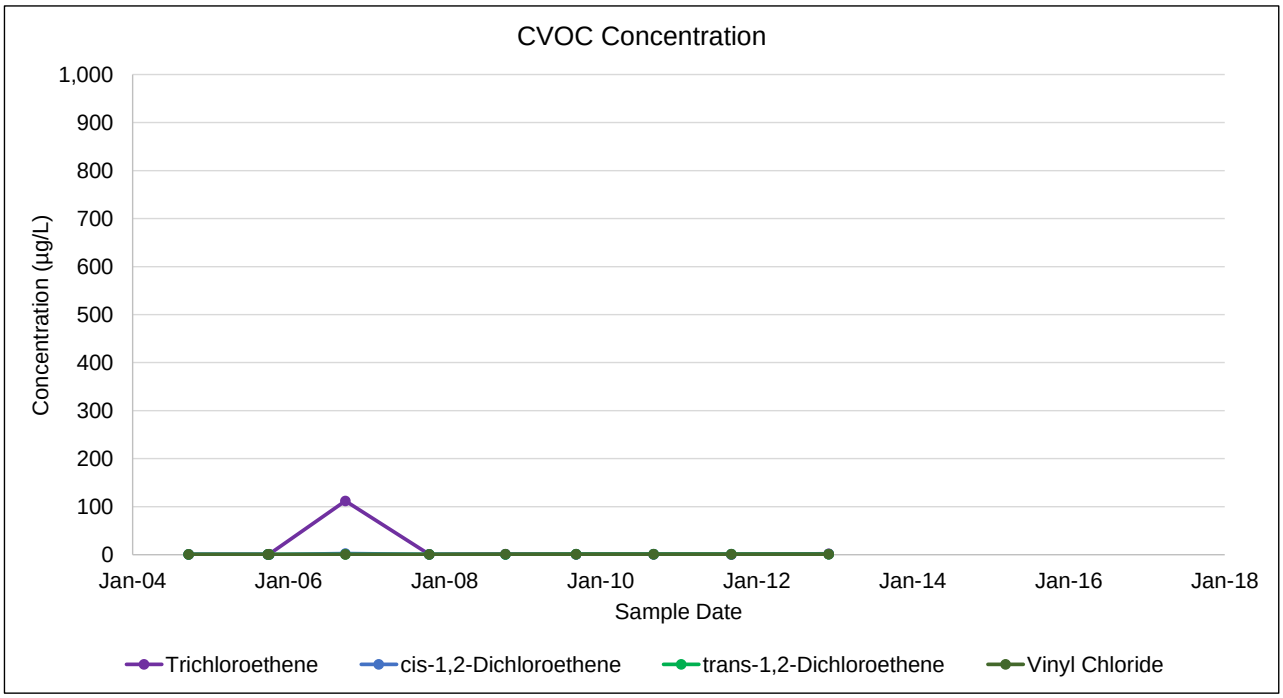
68PLTW21





Notes:
µg/L: micrograms per liter
BTEX: benzene, toluene, ethylbenzene and total xylenes
CVOC: chlorinated volatile organic compound
Non-detect sample results are presented as half the reporting limit

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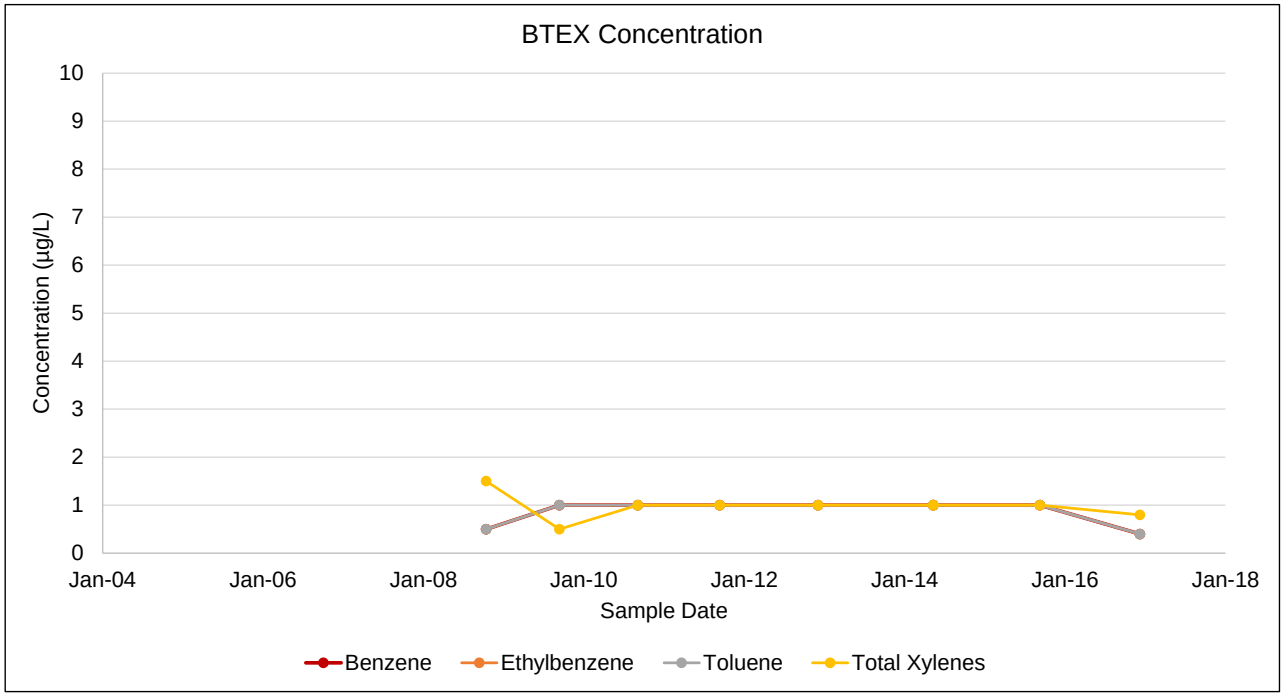
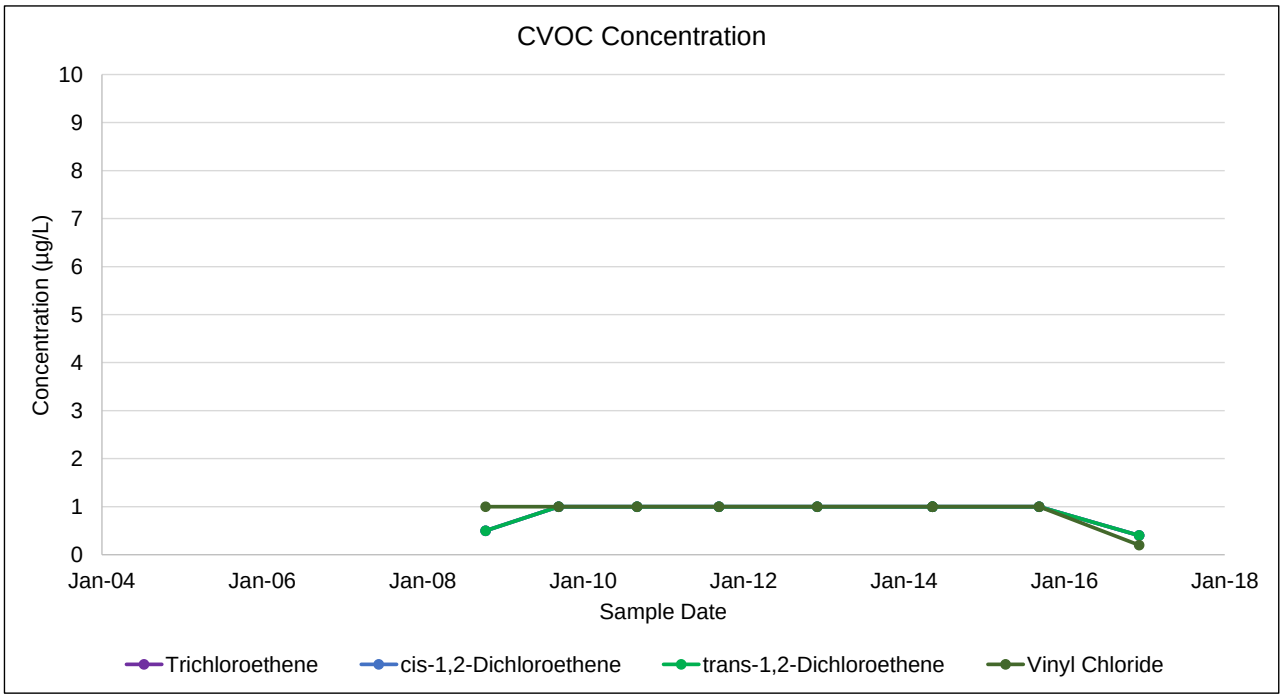
MW-02-005





Notes:
µg/L: micrograms per liter
BTEX: benzene, toluene, ethylbenzene and total xylenes
CVOC: chlorinated volatile organic compound
Non-detect sample results are presented as half the reporting limit

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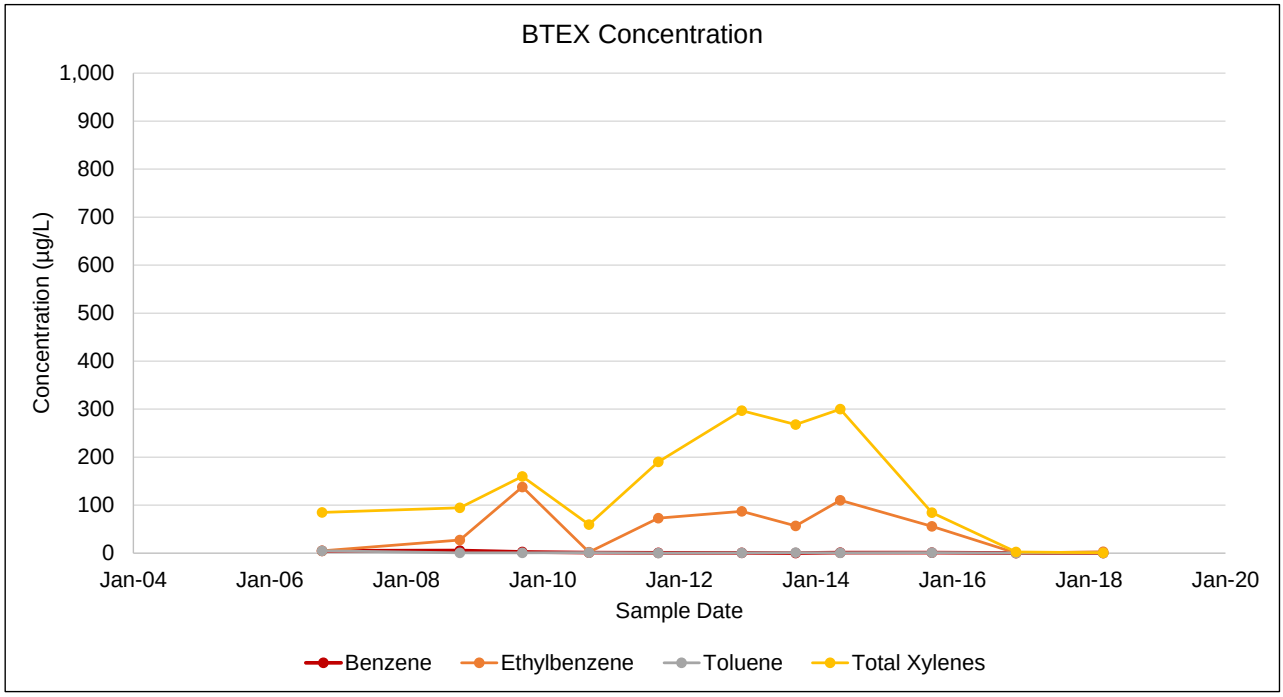
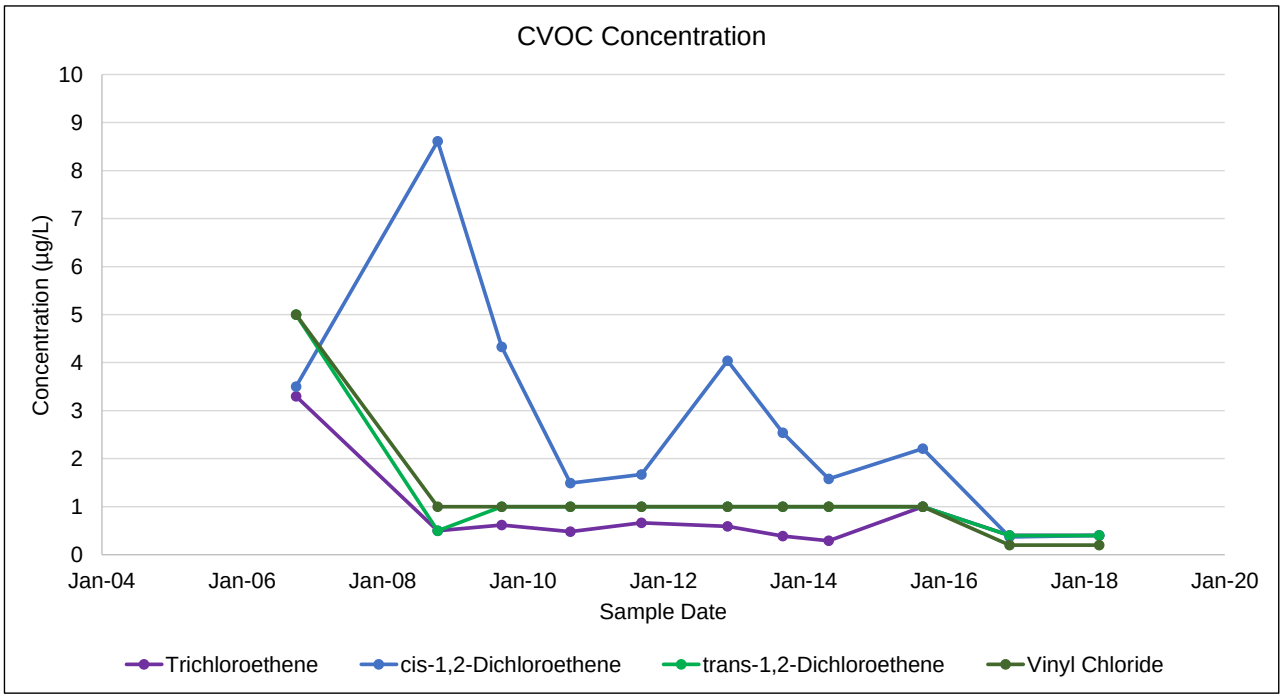
MW-02-006





Notes:
µg/L: micrograms per liter
BTEX: benzene, toluene, ethylbenzene and total xylenes
CVOC: chlorinated volatile organic compound
Non-detect sample results are presented as half the reporting limit

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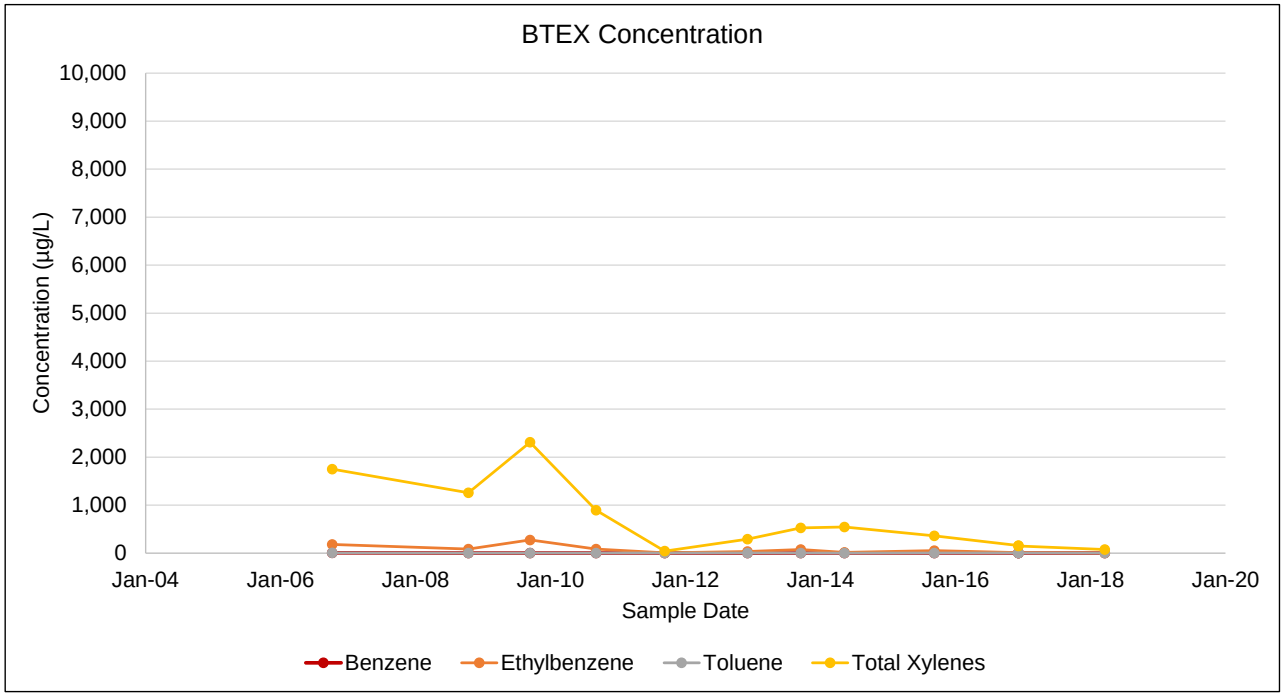
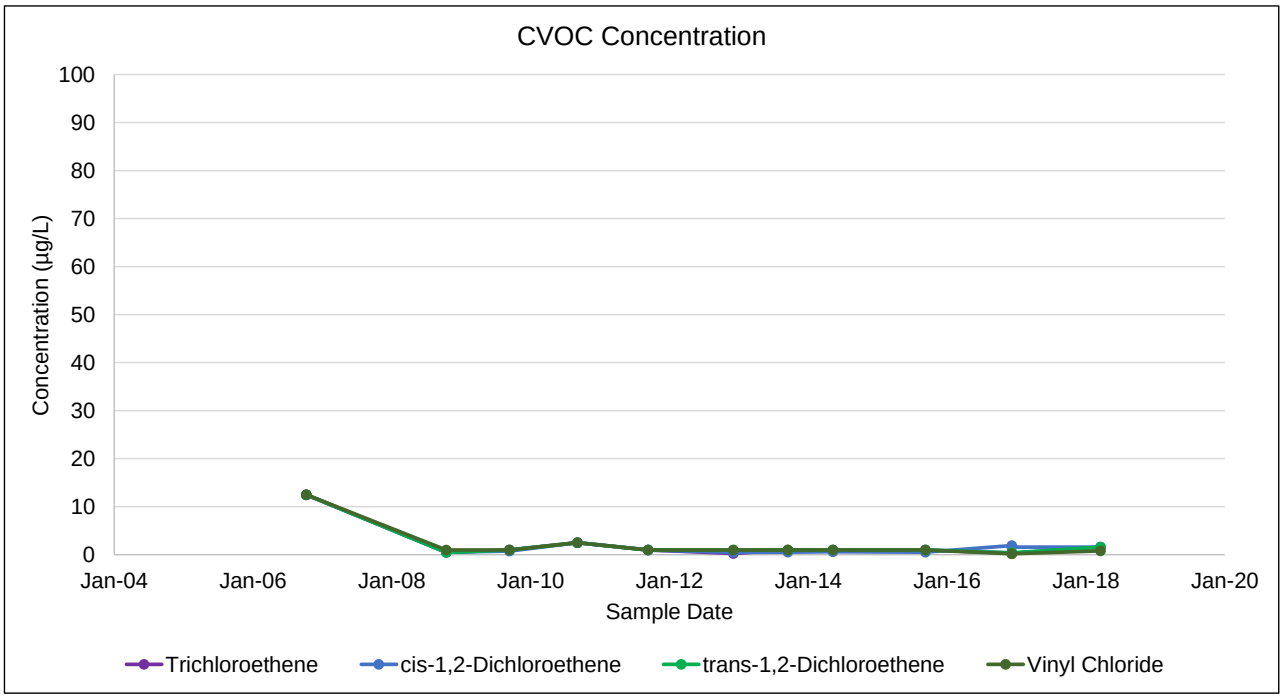
MW-02-008





Notes:
µg/L: micrograms per liter
BTEX: benzene, toluene, ethylbenzene and total xylenes
CVOC: chlorinated volatile organic compound
Non-detect sample results are presented as half the reporting limit

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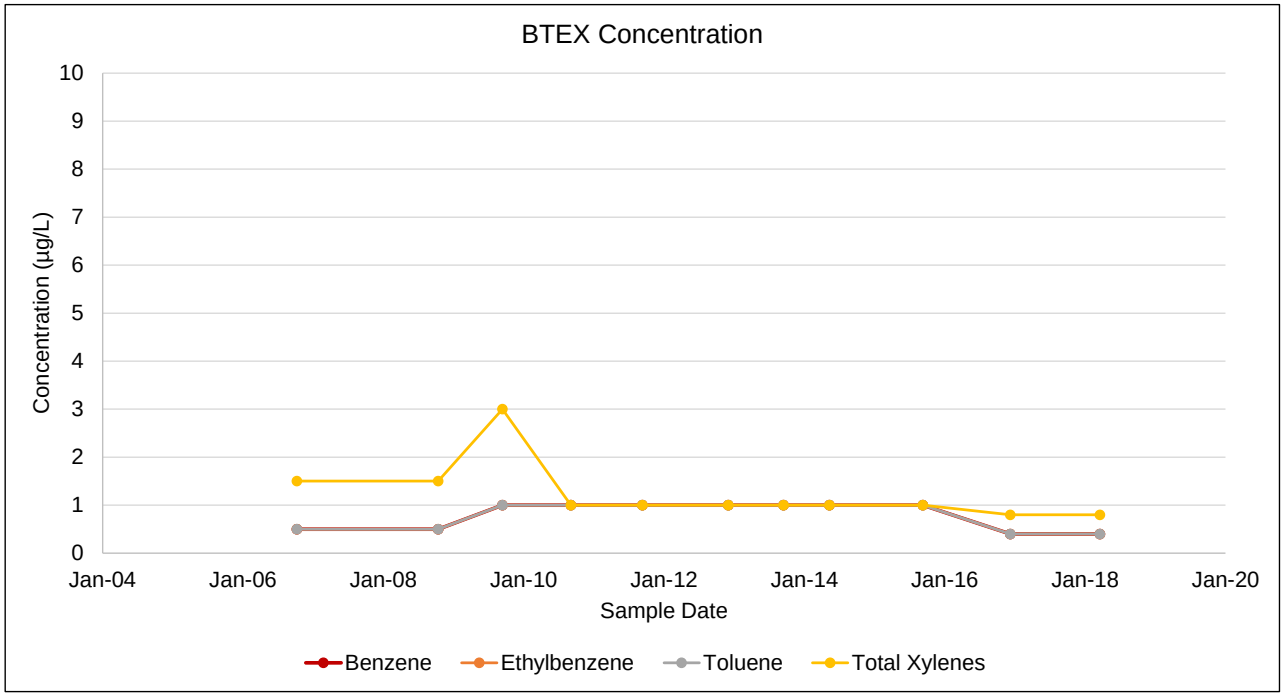
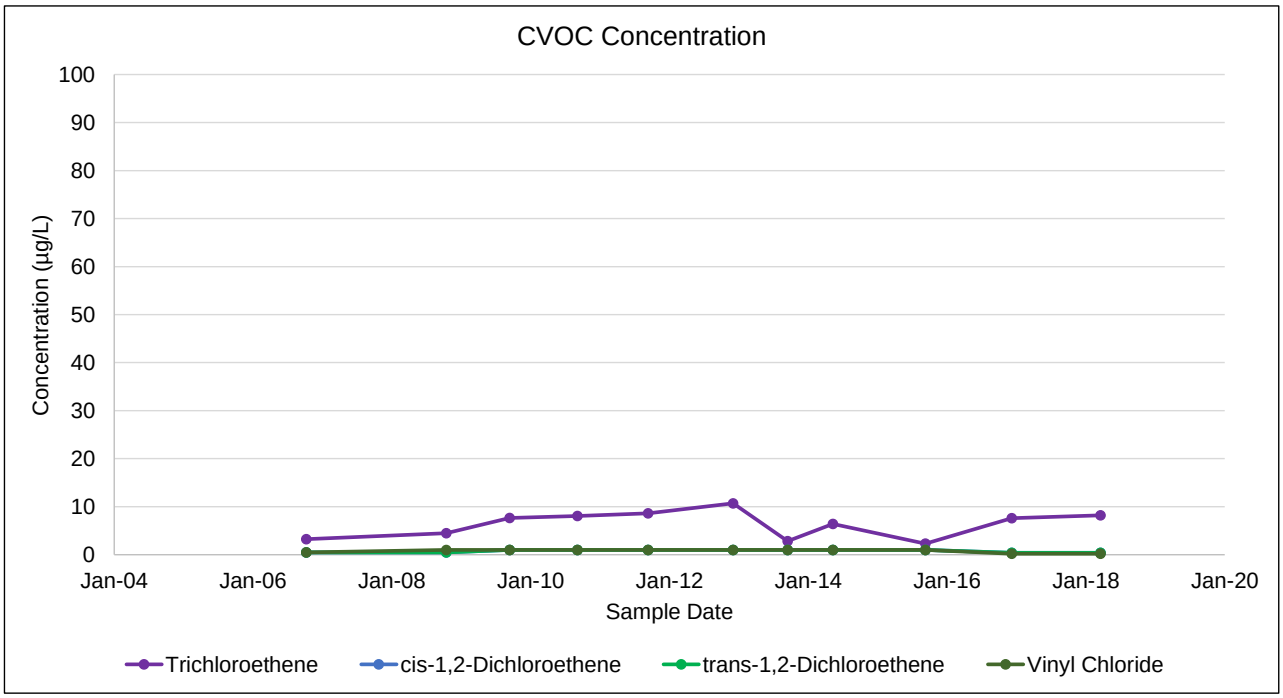
MW-02-010





Notes:
µg/L: micrograms per liter
BTEX: benzene, toluene, ethylbenzene and total xylenes
CVOC: chlorinated volatile organic compound
Non-detect sample results are presented as half the reporting limit

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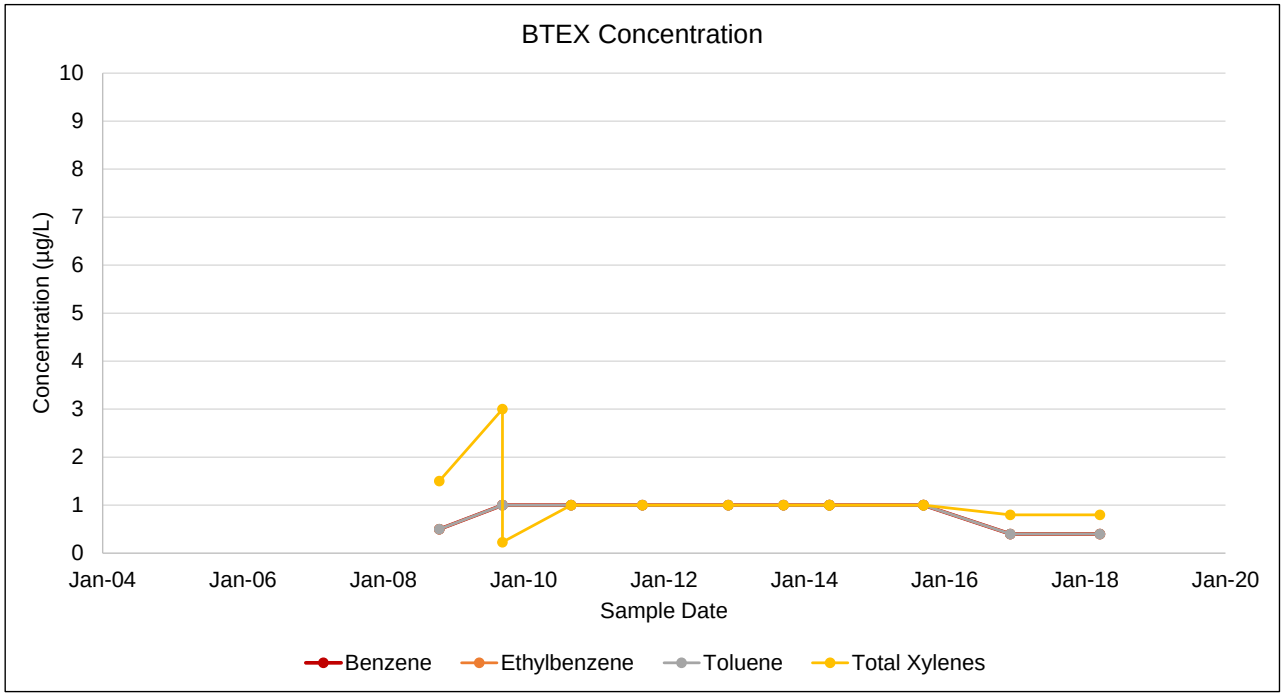
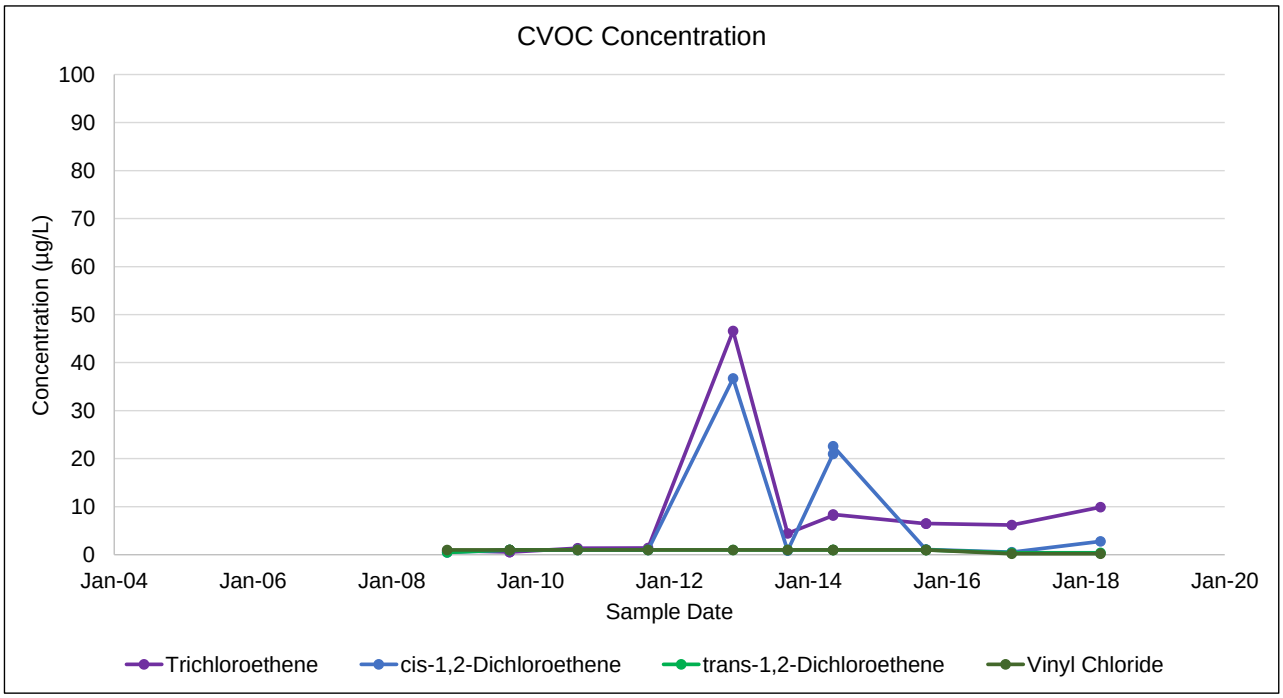
MW-02-017





Notes:
µg/L: micrograms per liter
BTEX: benzene, toluene, ethylbenzene and total xylenes
CVOC: chlorinated volatile organic compound
Non-detect sample results are presented as half the reporting limit

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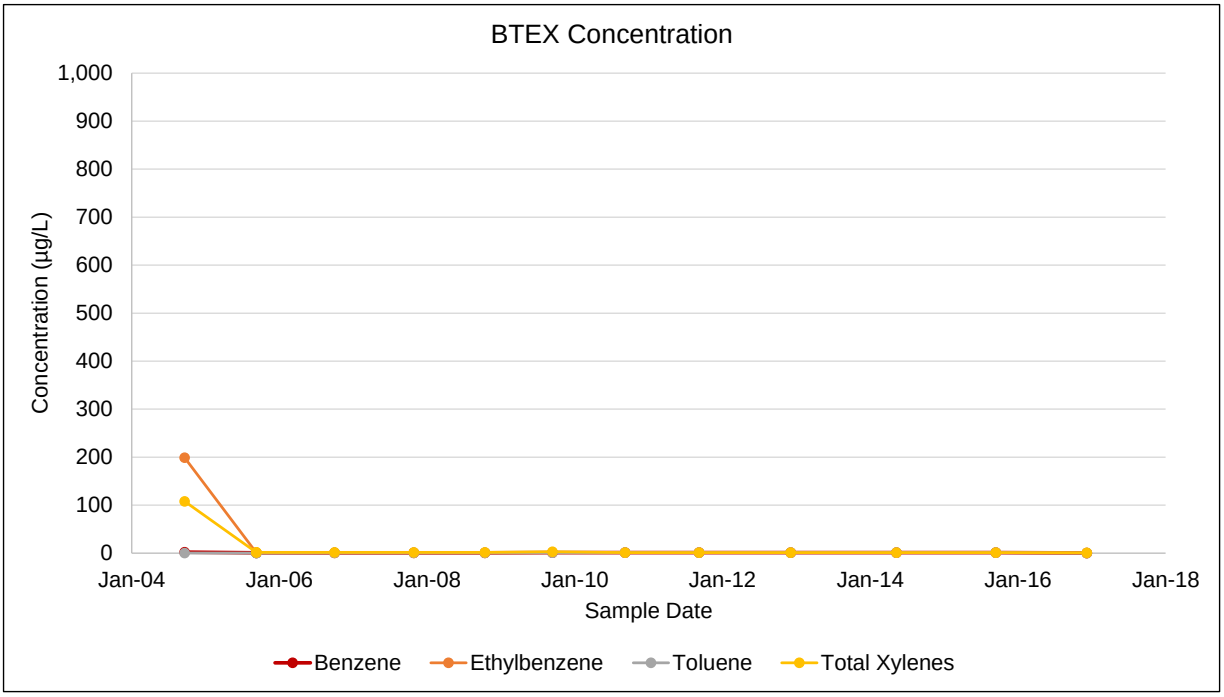
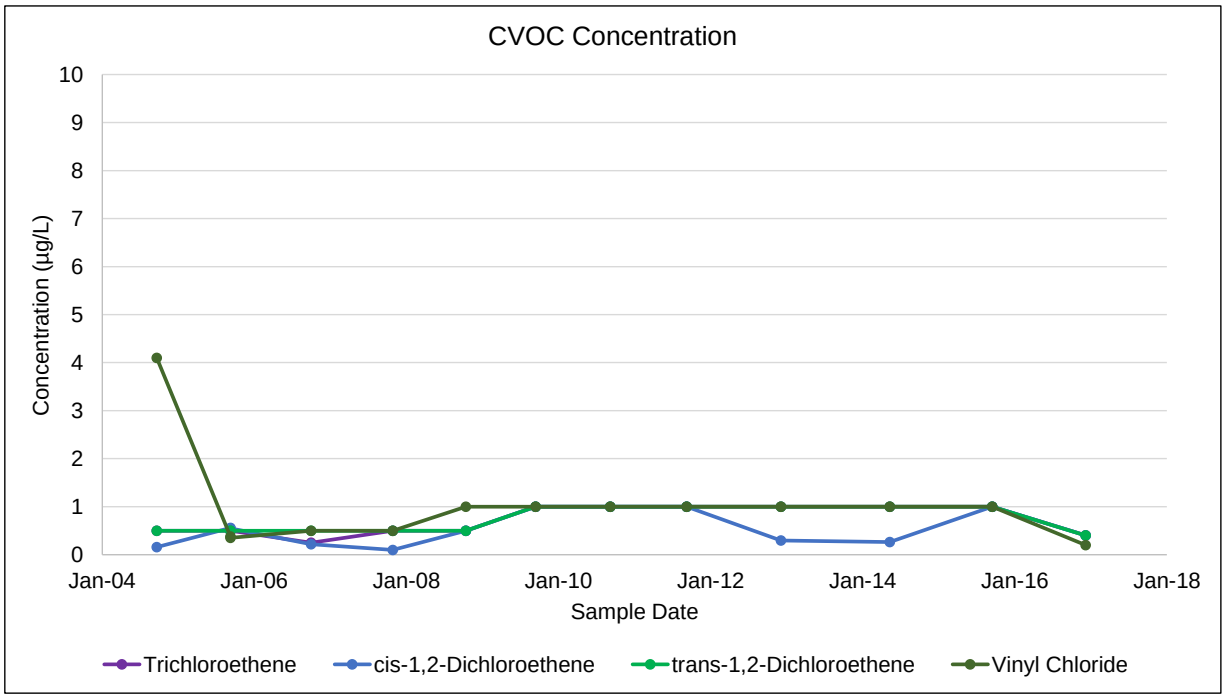
MW-02-019





Notes:
µg/L: micrograms per liter
BTEX: benzene, toluene, ethylbenzene and total xylenes
CVOC: chlorinated volatile organic compound
Non-detect sample results are presented as half the reporting limit

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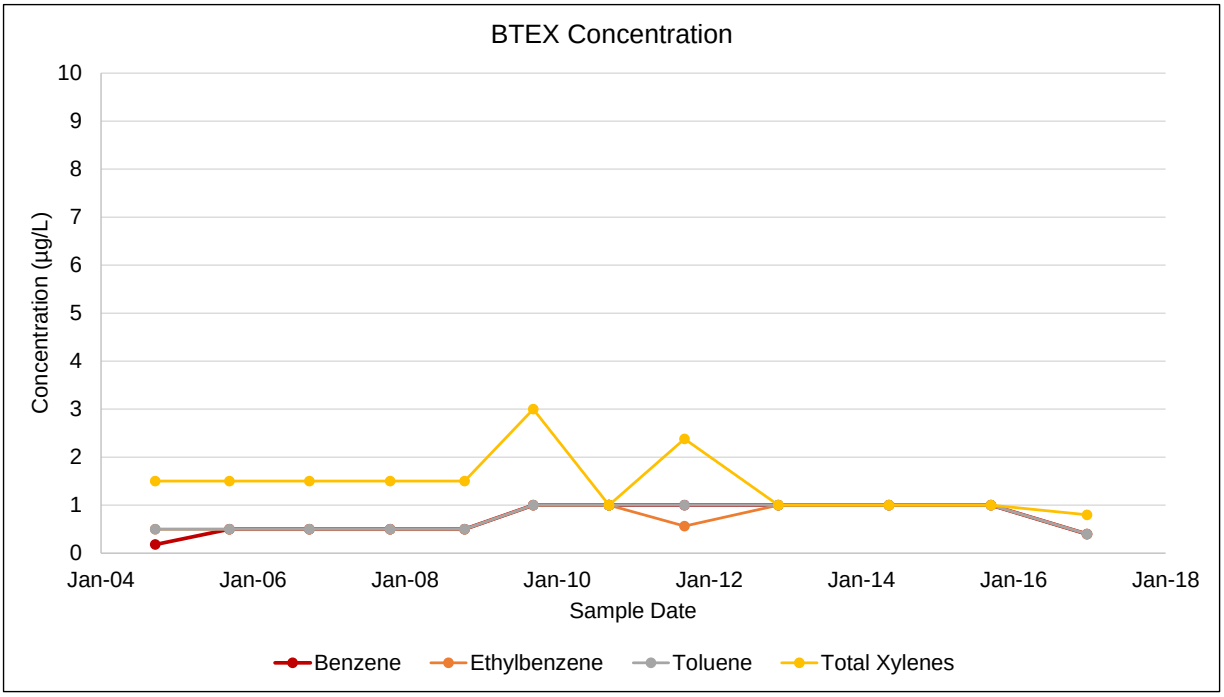
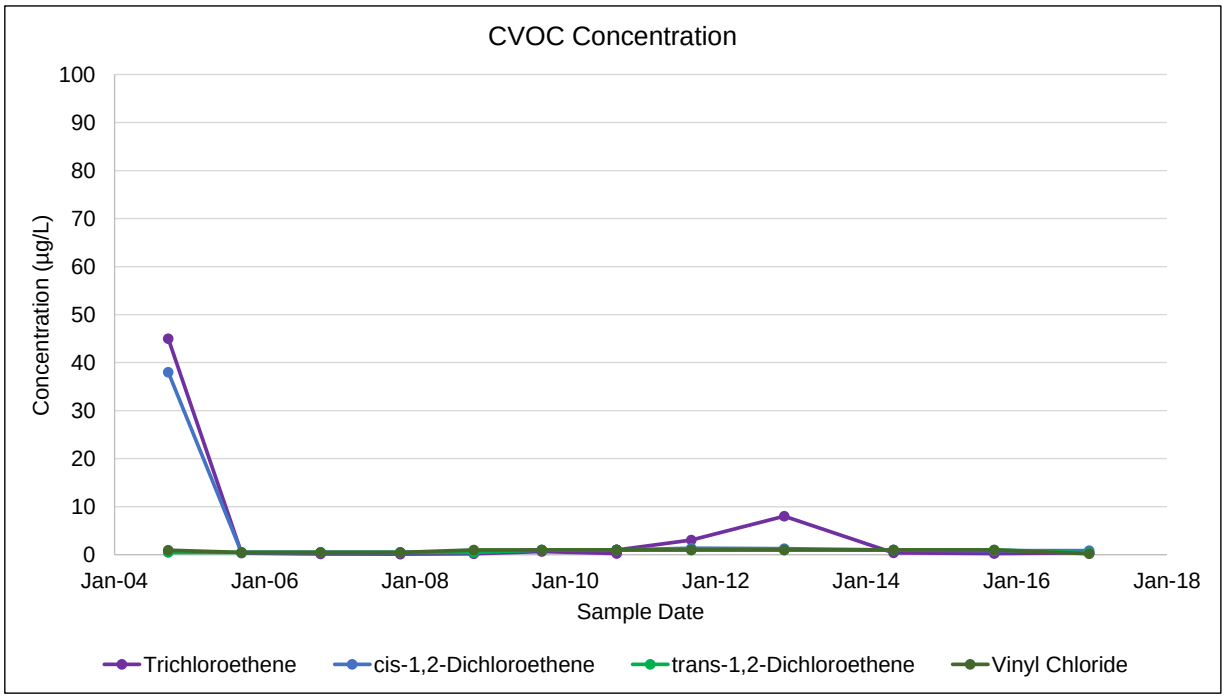
MW-02-037





Notes:
µg/L: micrograms per liter
BTEX: benzene, toluene, ethylbenzene and total xylenes
CVOC: chlorinated volatile organic compound
Non-detect sample results are presented as half the reporting limit

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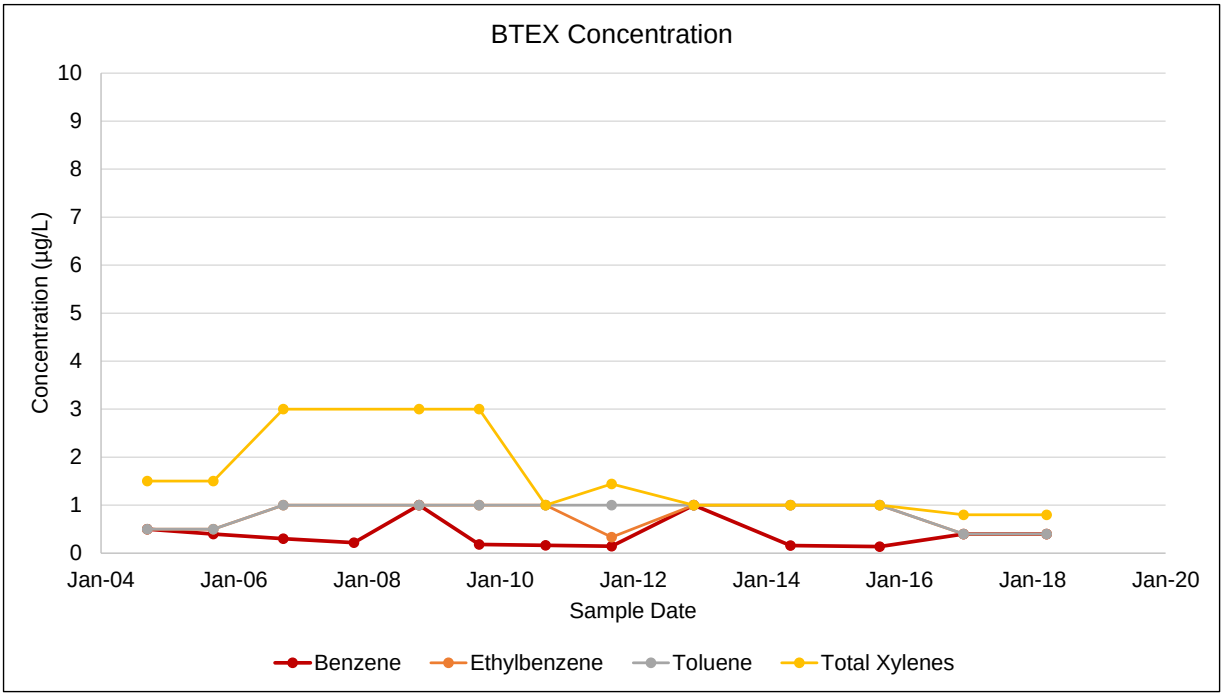
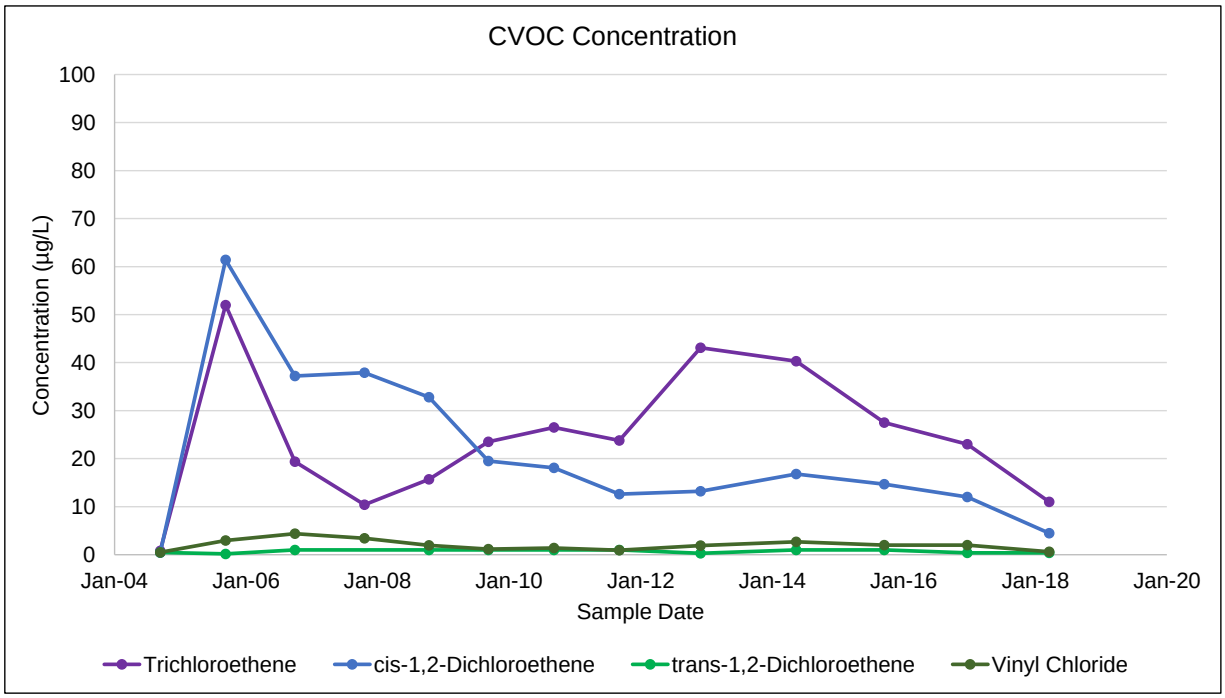
MW-02-038





Notes:
µg/L: micrograms per liter
BTEX: benzene, toluene, ethylbenzene and total xylenes
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Non-detect sample results are presented as half the reporting limit

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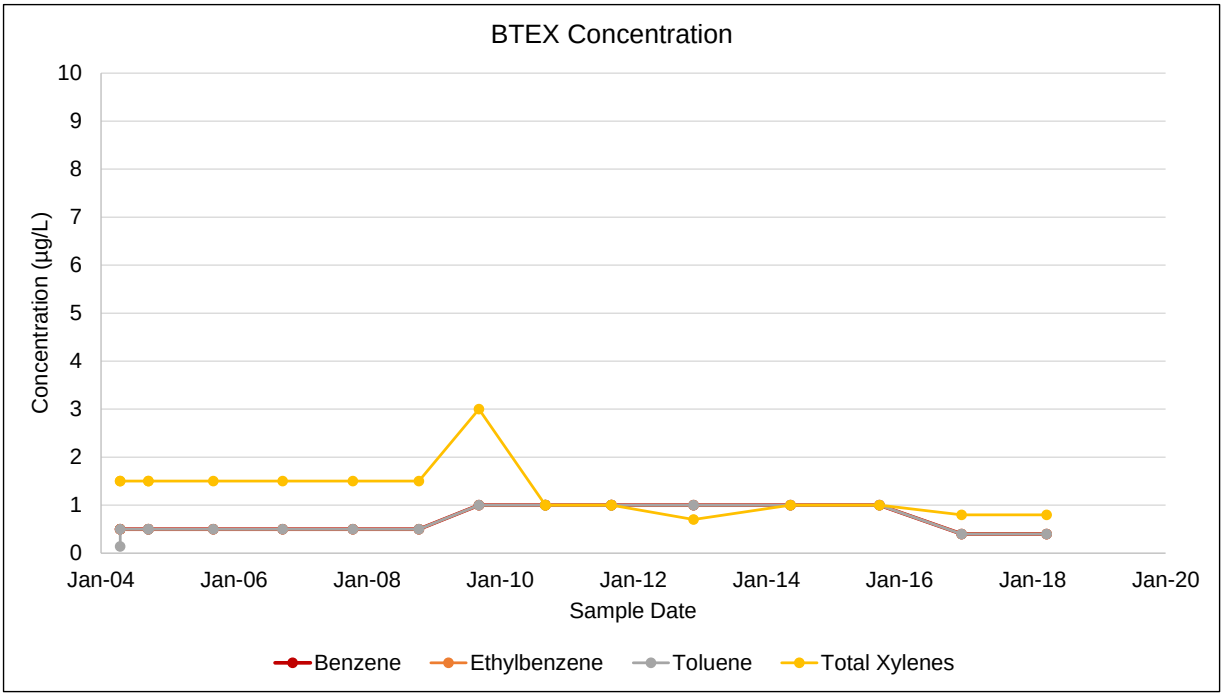
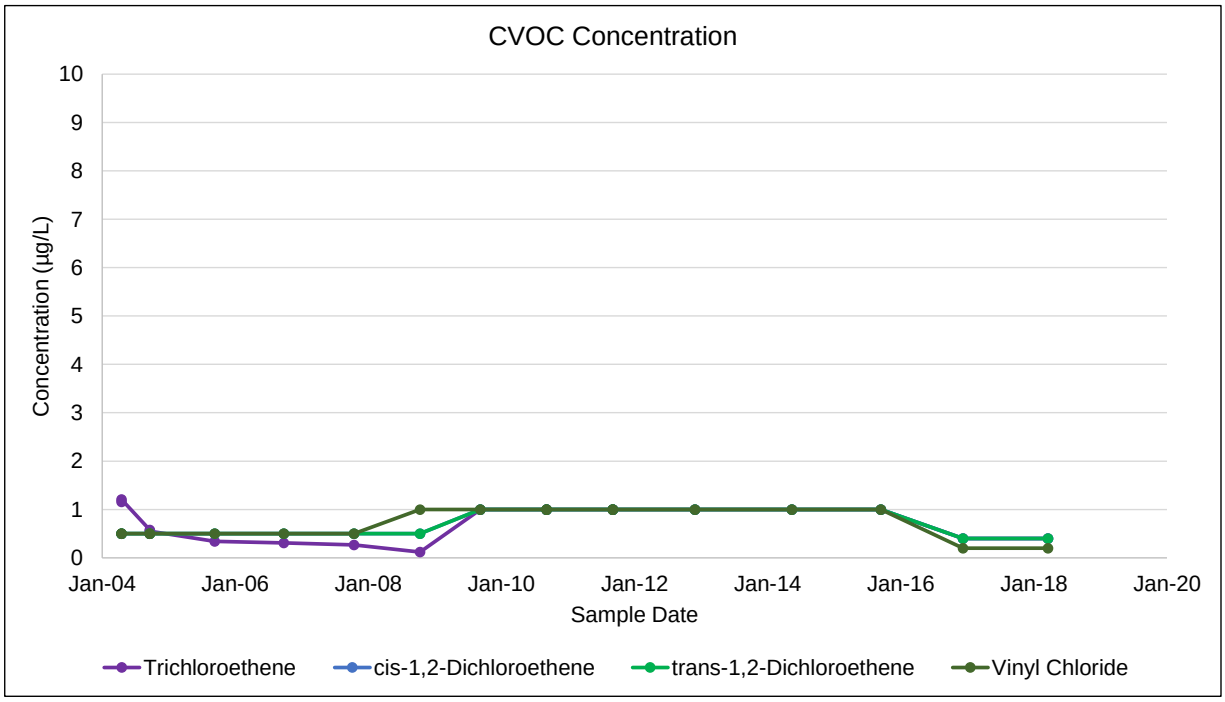
MW-02-044





Notes:
µg/L: micrograms per liter
BTEX: benzene, toluene, ethylbenzene and total xylenes
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Non-detect sample results are presented as half the reporting limit

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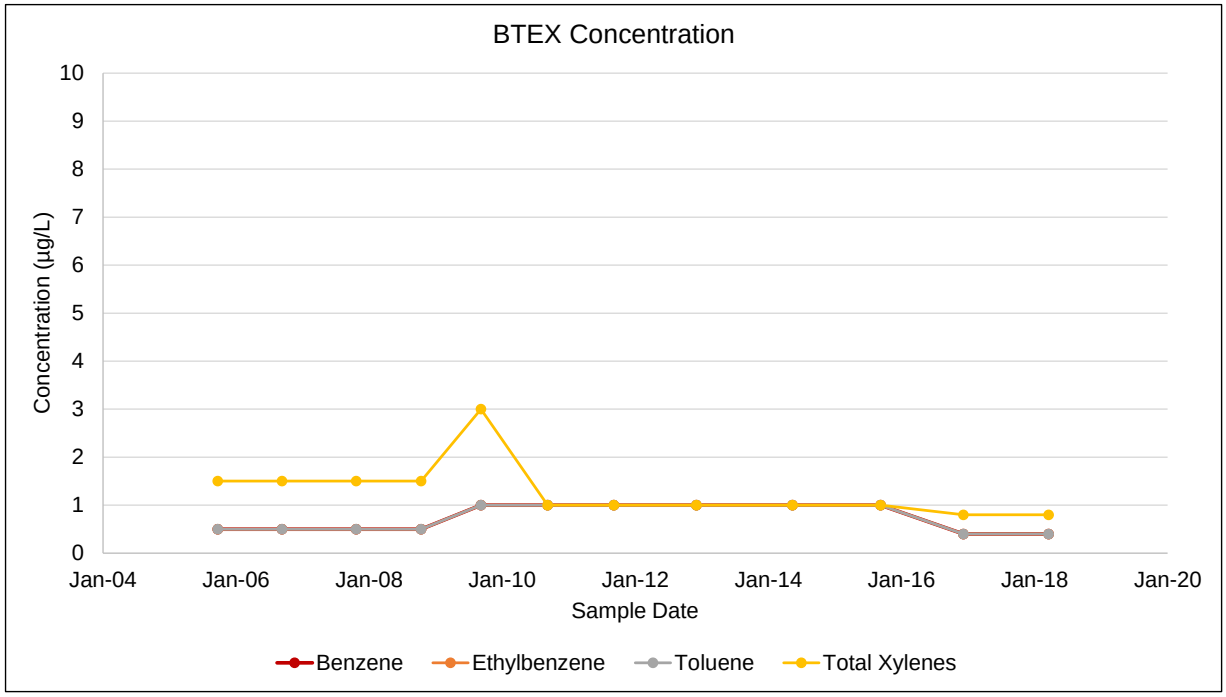
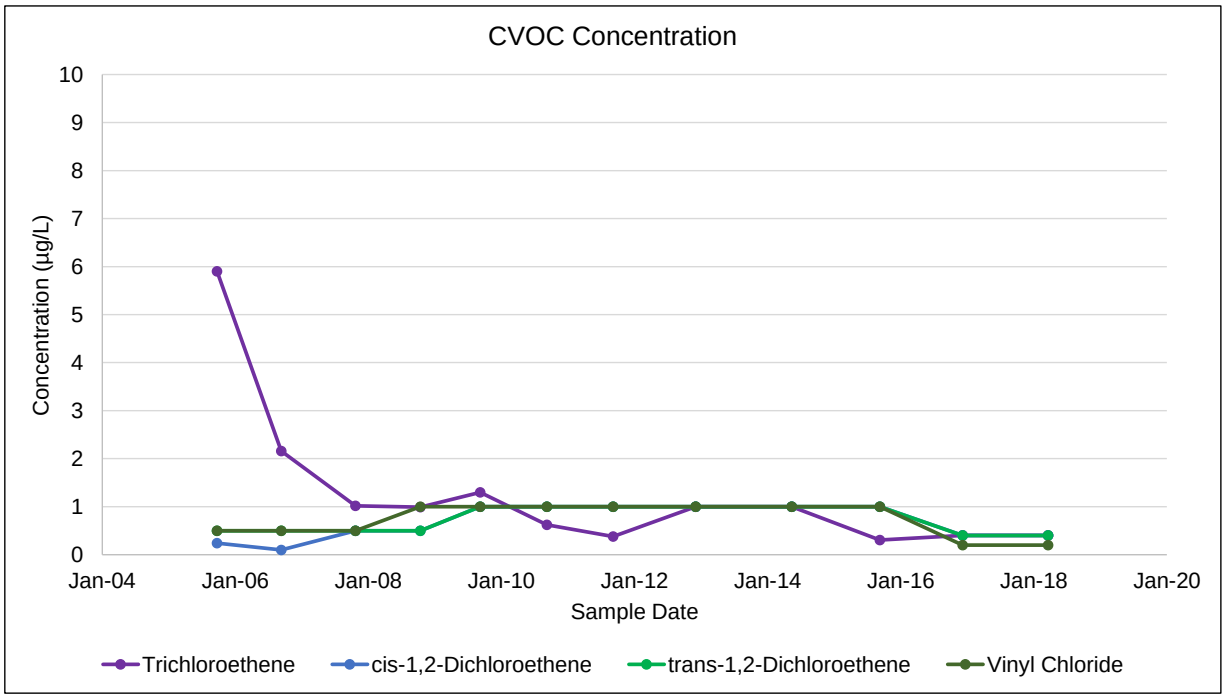
MW-02-073





Notes:
µg/L: micrograms per liter
BTEX: benzene, toluene, ethylbenzene and total xylenes
CVOC: chlorinated volatile organic compound
Non-detect sample results are presented as half the reporting limit

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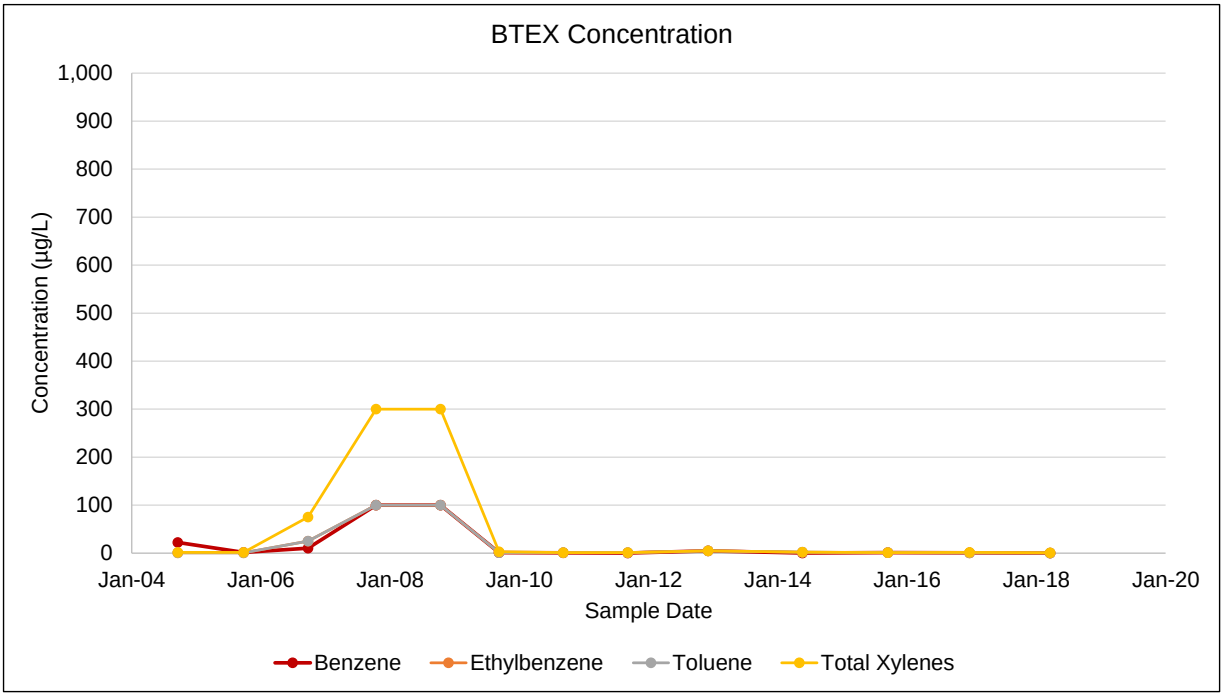
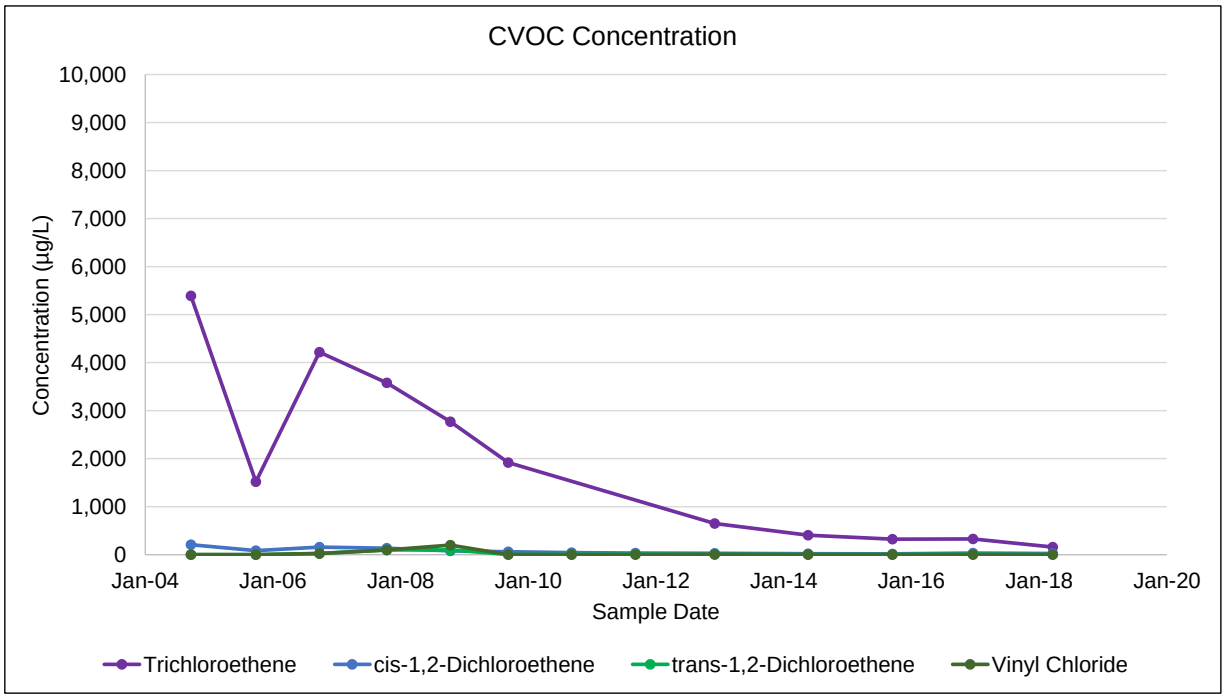
MW-02-083





Notes:
µg/L: micrograms per liter
BTEX: benzene, toluene, ethylbenzene and total xylenes
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Former Plattsburgh Air Force Base
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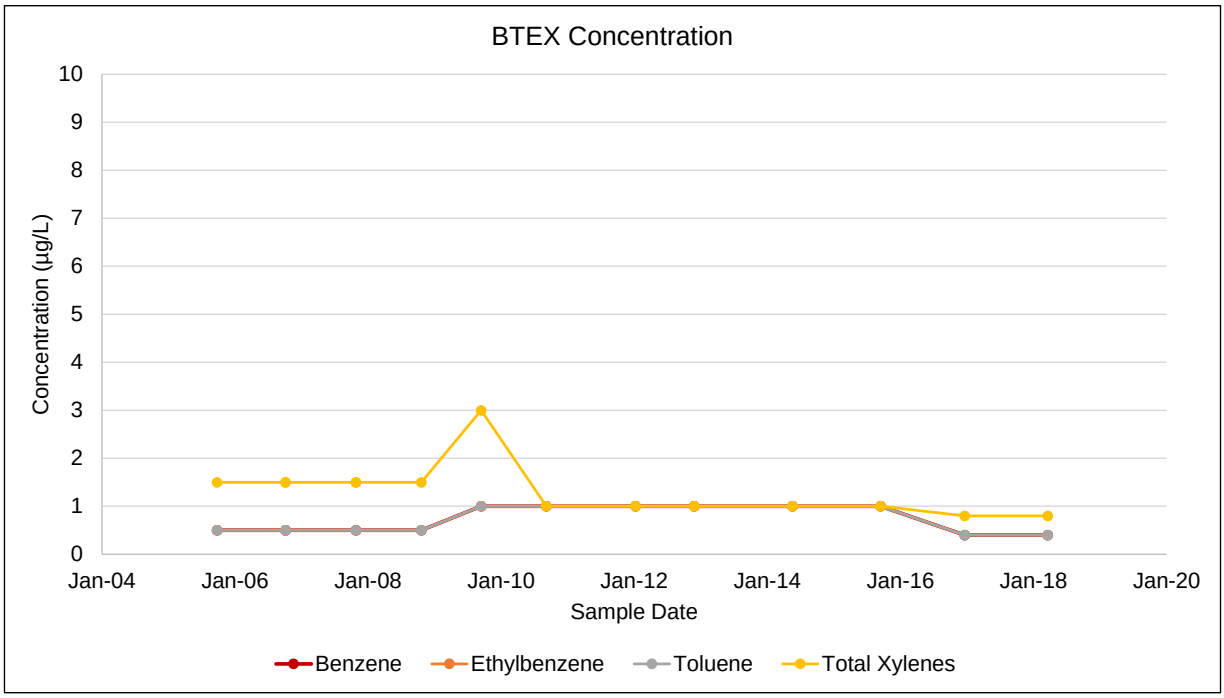
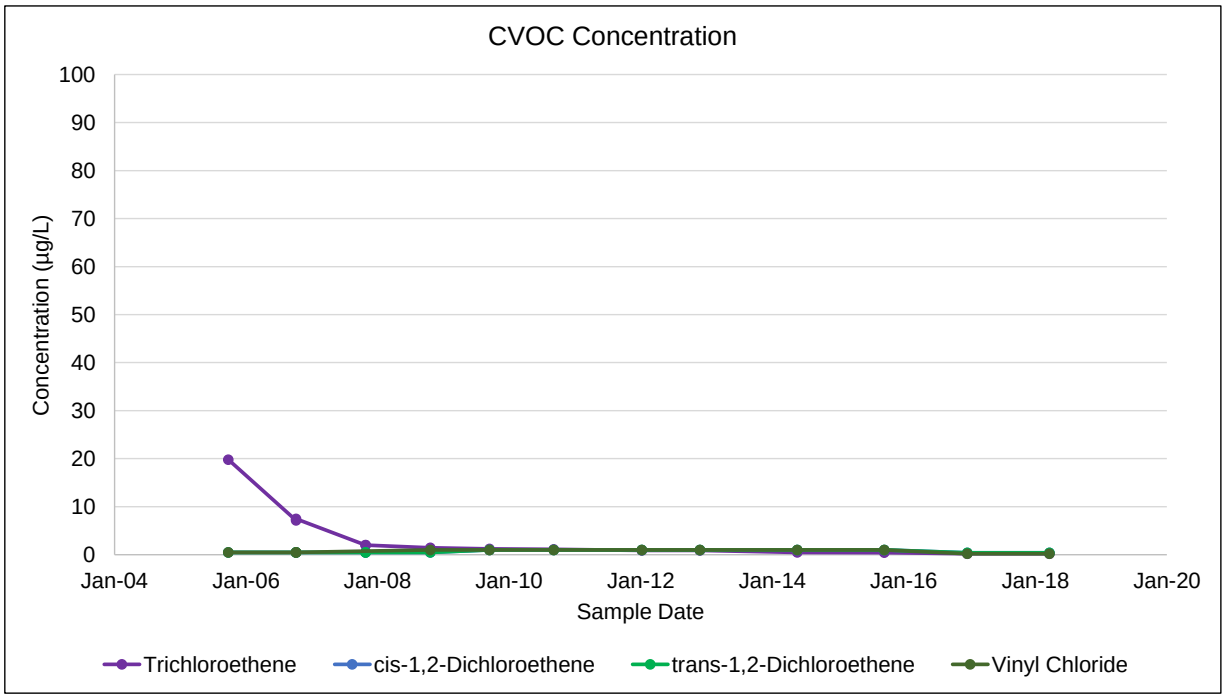
MW-02-086





Notes:
µg/L: micrograms per liter
BTEX: benzene, toluene, ethylbenzene and total xylenes
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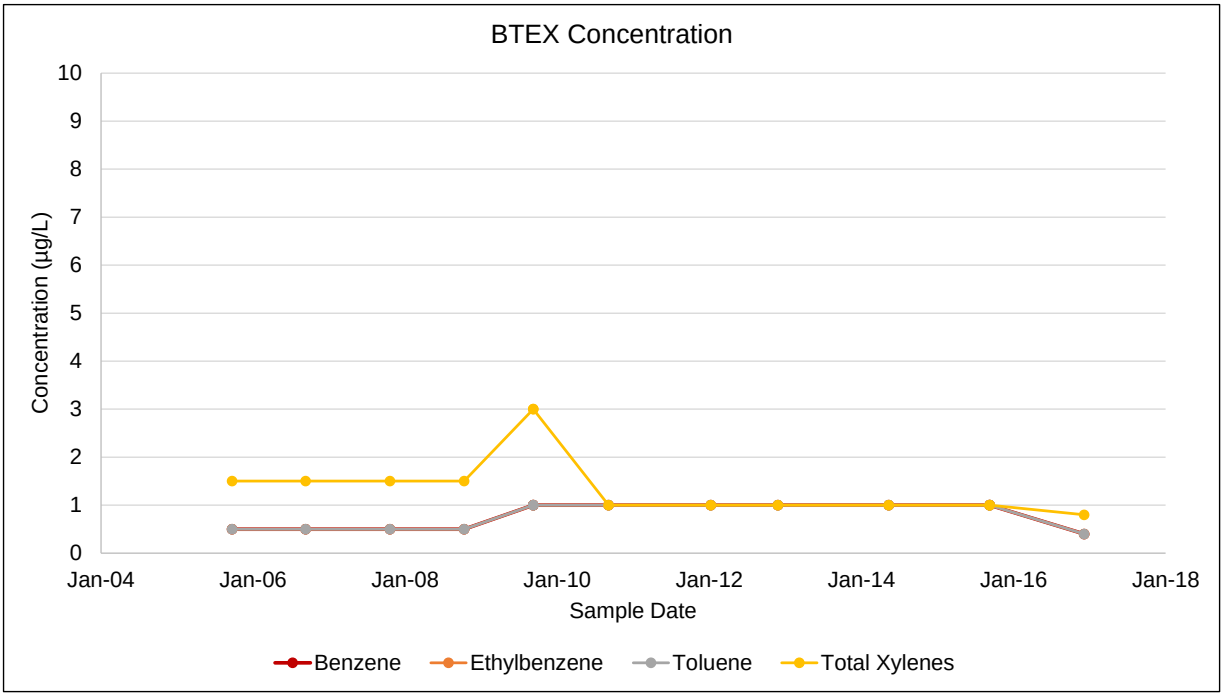
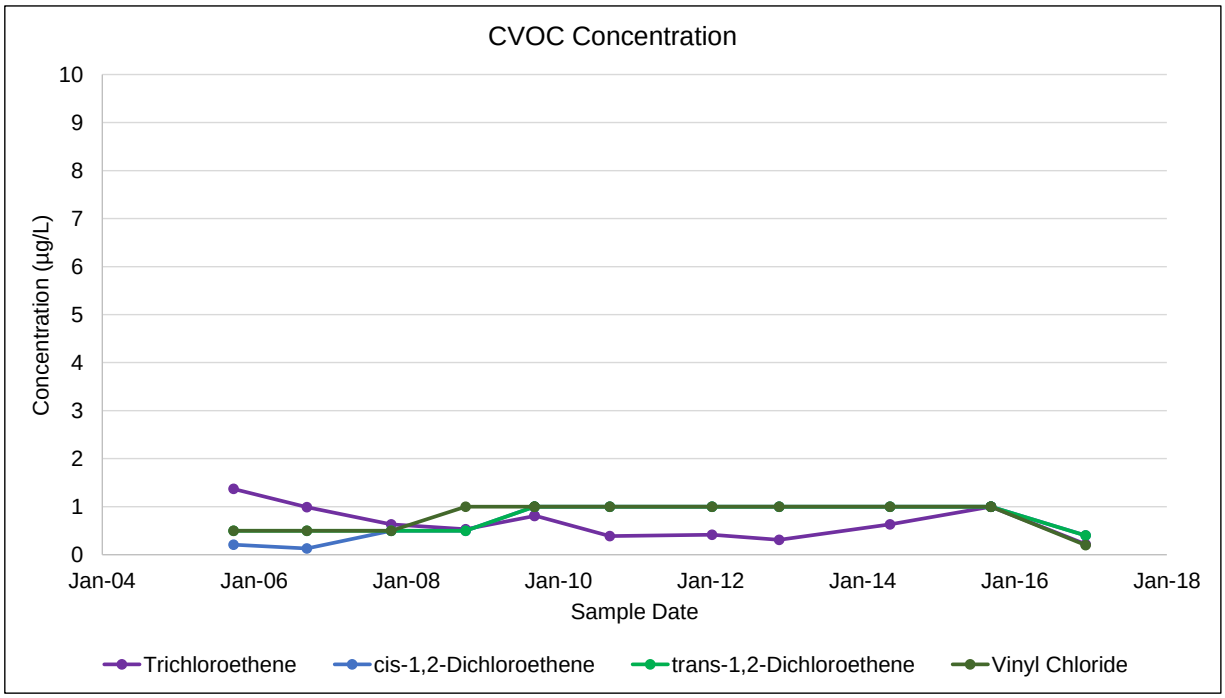
MW-02-088





Notes:
µg/L: micrograms per liter
BTEX: benzene, toluene, ethylbenzene and total xylenes
CVOC: chlorinated volatile organic compound
Non-detect sample results are presented as half the reporting limit

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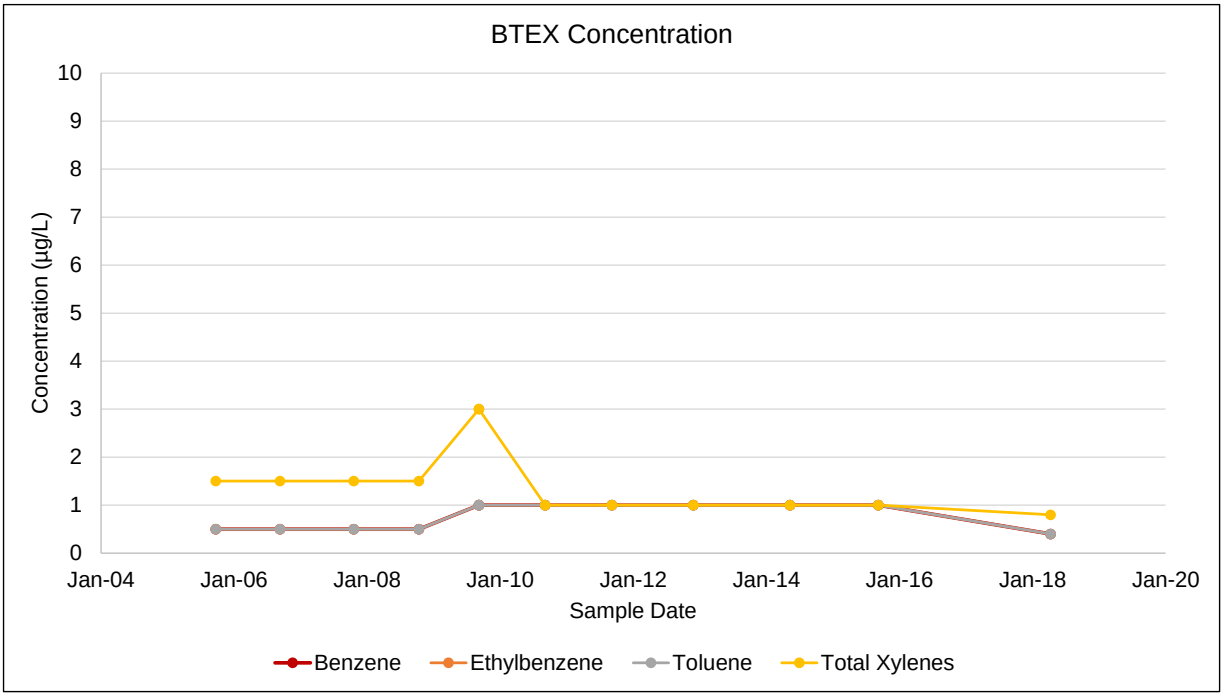
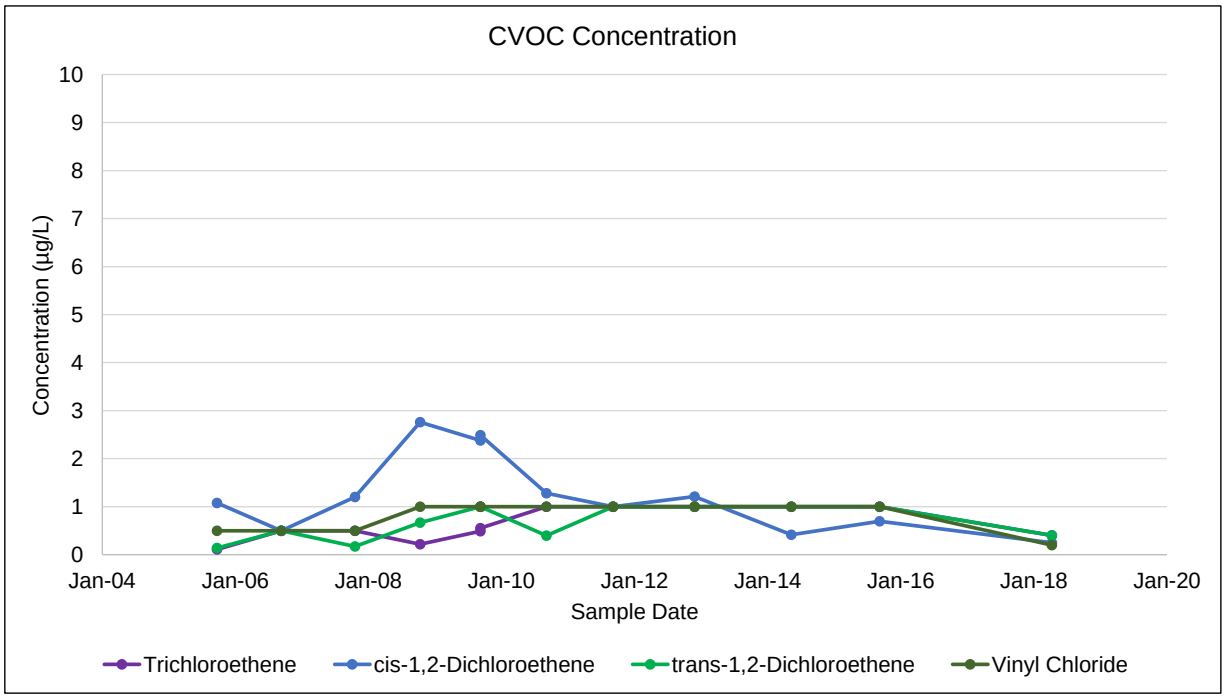
MW-02-089





Notes:
µg/L: micrograms per liter
BTEX: benzene, toluene, ethylbenzene and total xylenes
CVOC: chlorinated volatile organic compound
Non-detect sample results are presented as half the reporting limit

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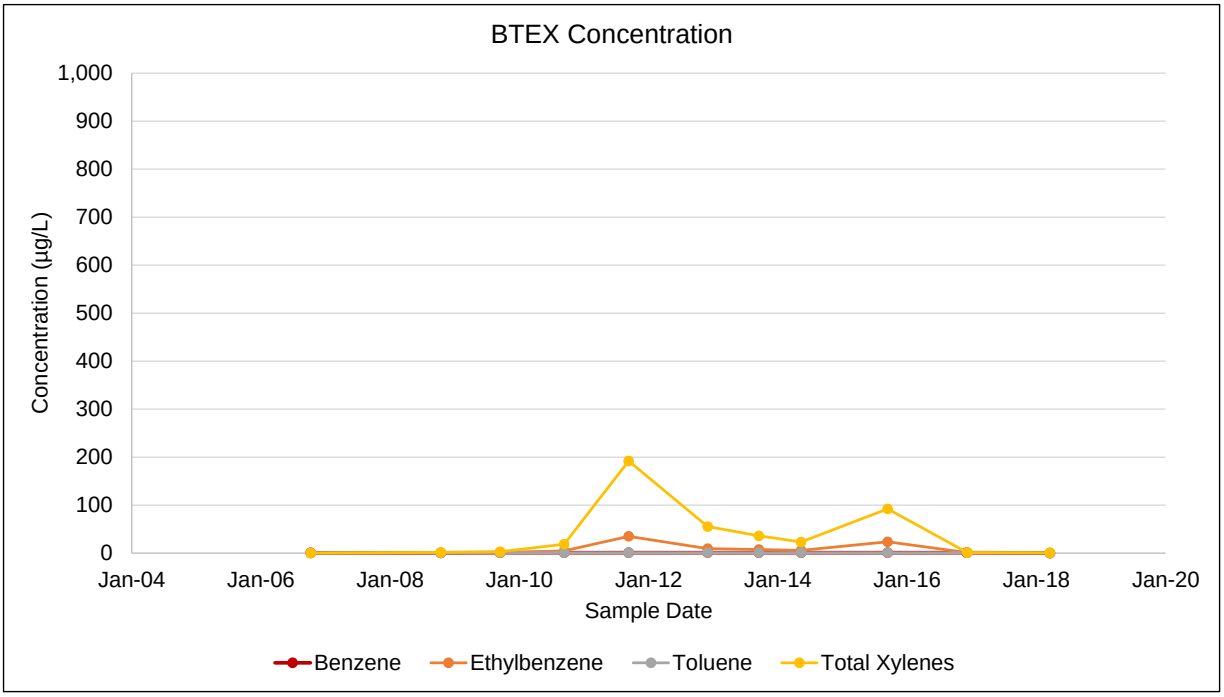
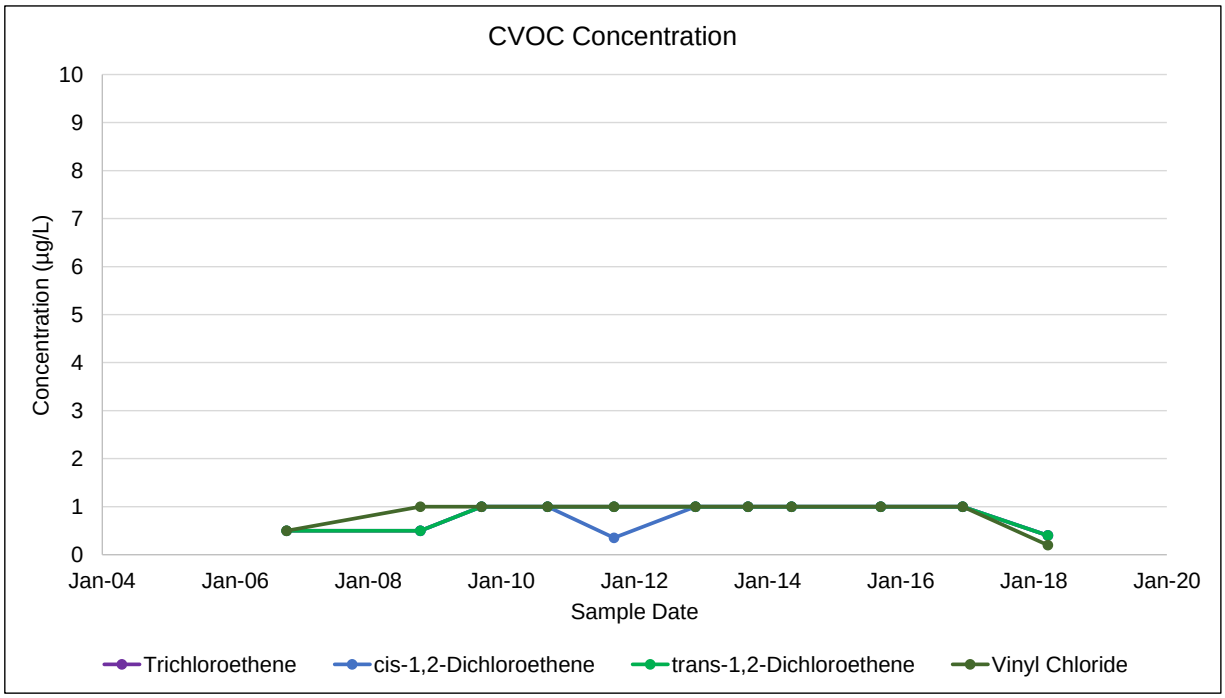
MW-02-094





Notes:
µg/L: micrograms per liter
BTEX: benzene, toluene, ethylbenzene and total xylenes
CVOC: chlorinated volatile organic compound
Non-detect sample results are presented as half the reporting limit

Former Plattsburgh Air Force Base
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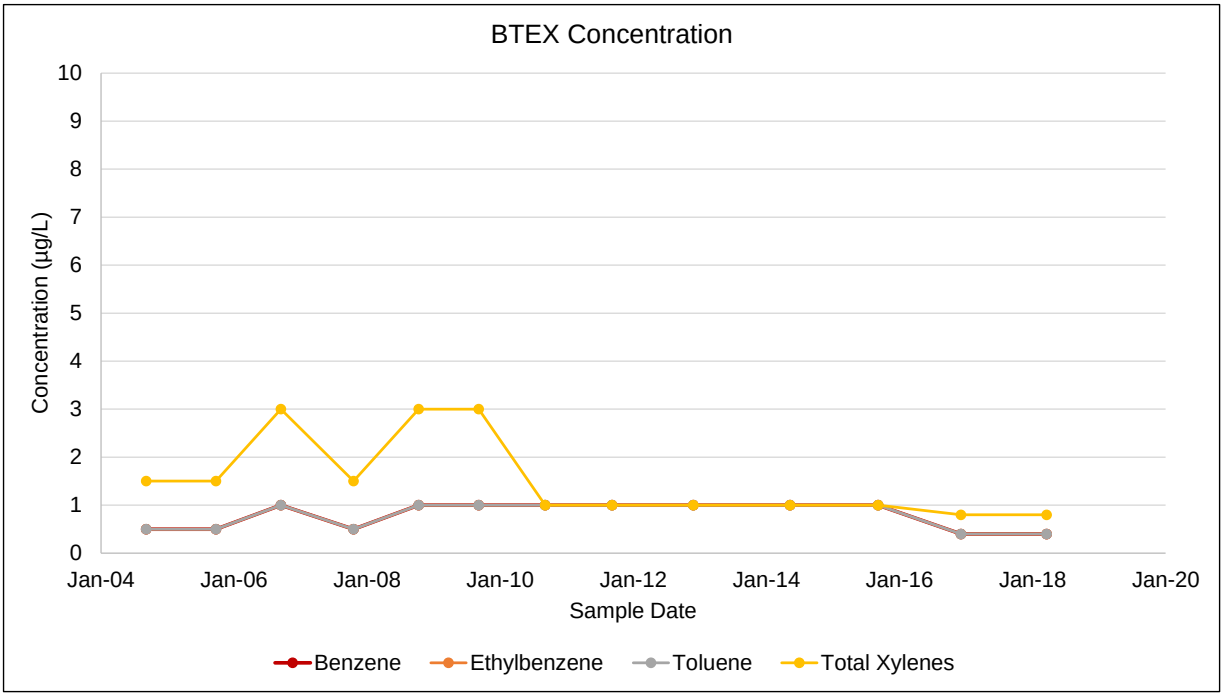
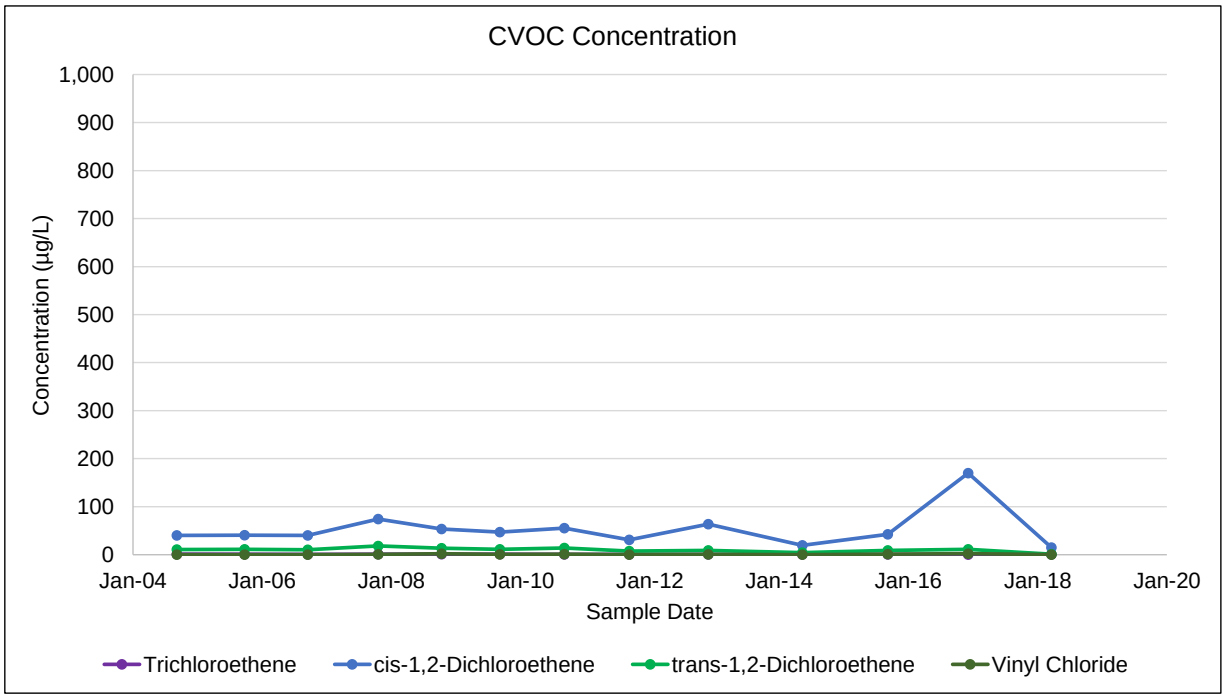
FT002 - Industrial Area Groundwater Operable Unit

MW-11-001





Notes:
µg/L: micrograms per liter
BTEX: benzene, toluene, ethylbenzene and total xylenes
CVOC: chlorinated volatile organic compound
Non-detect sample results are presented as half the reporting limit

Former Plattsburgh Air Force Base
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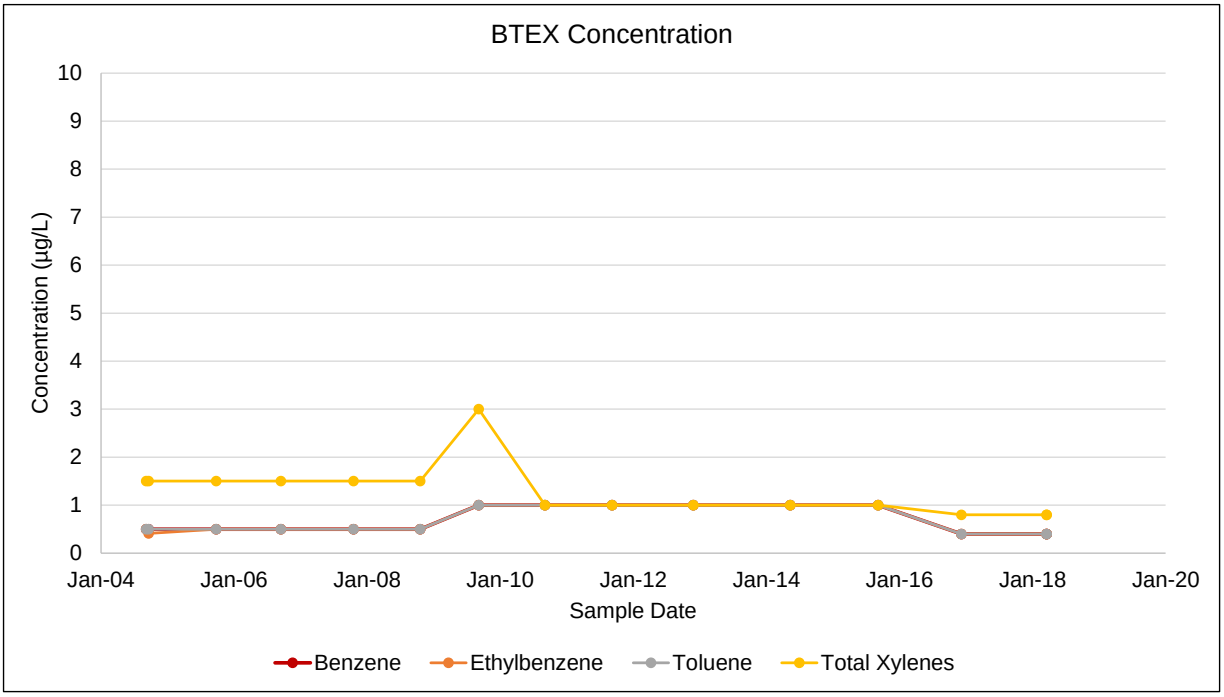
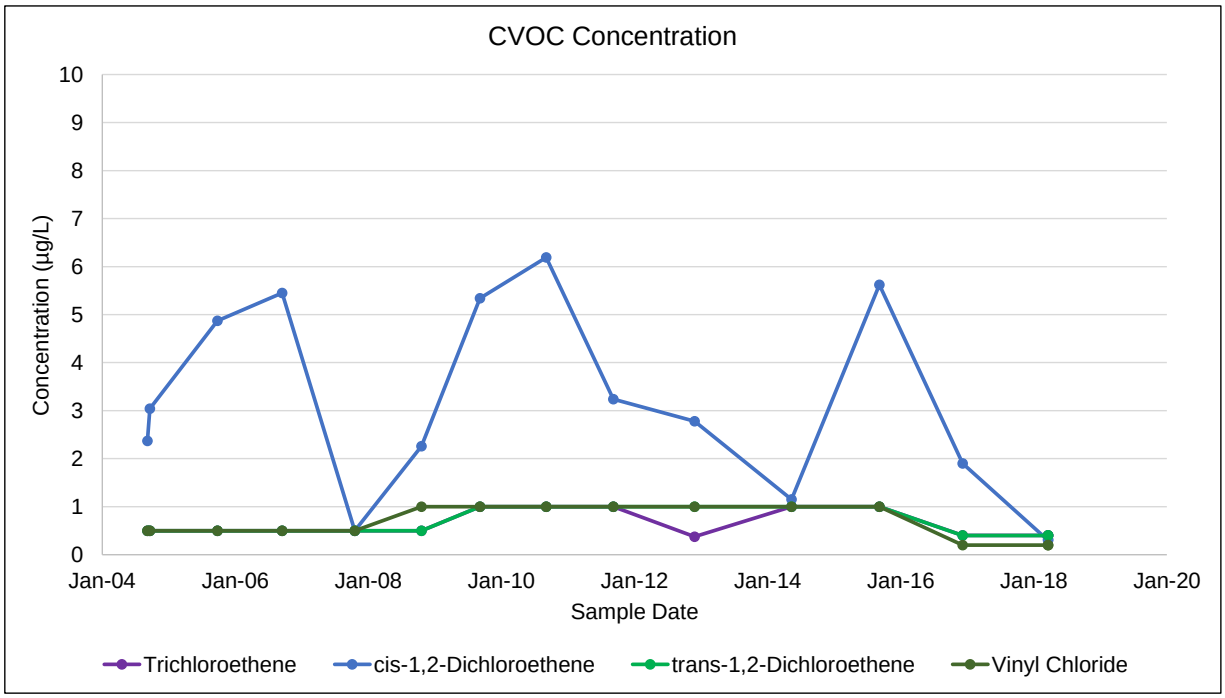
FT002 - Industrial Area Groundwater Operable Unit

MW-11-002R





Notes:
µg/L: micrograms per liter
BTEX: benzene, toluene, ethylbenzene and total xylenes
CVOC: chlorinated volatile organic compound
Non-detect sample results are presented as half the reporting limit

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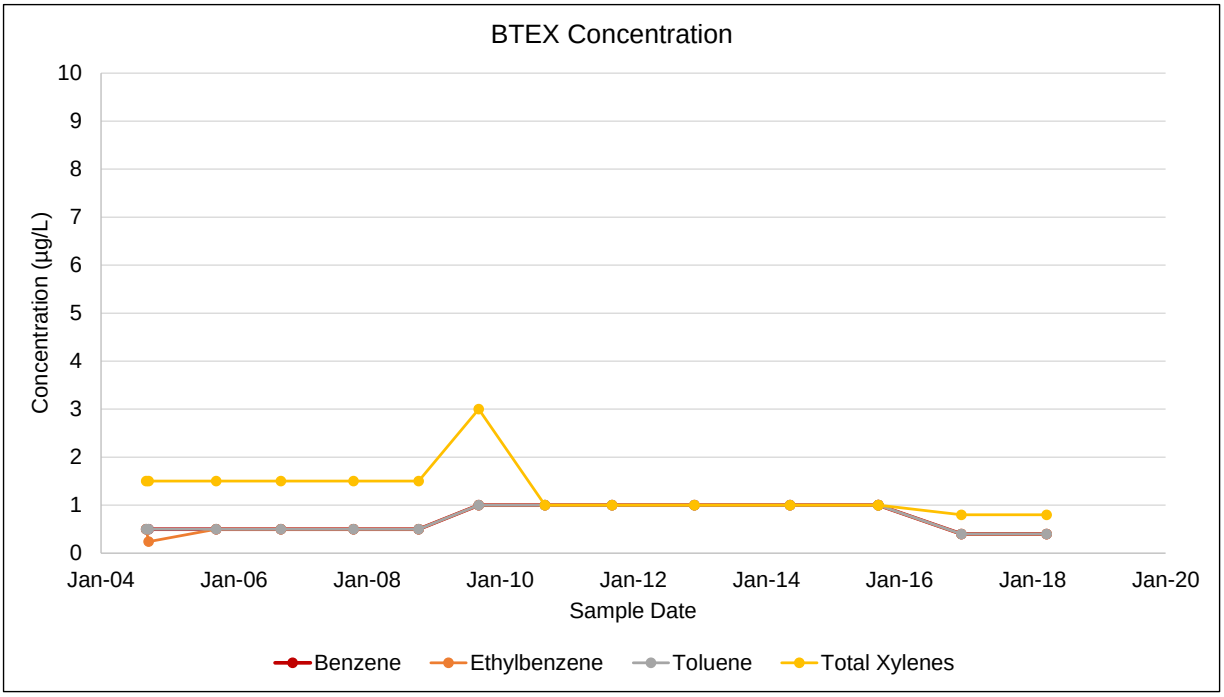
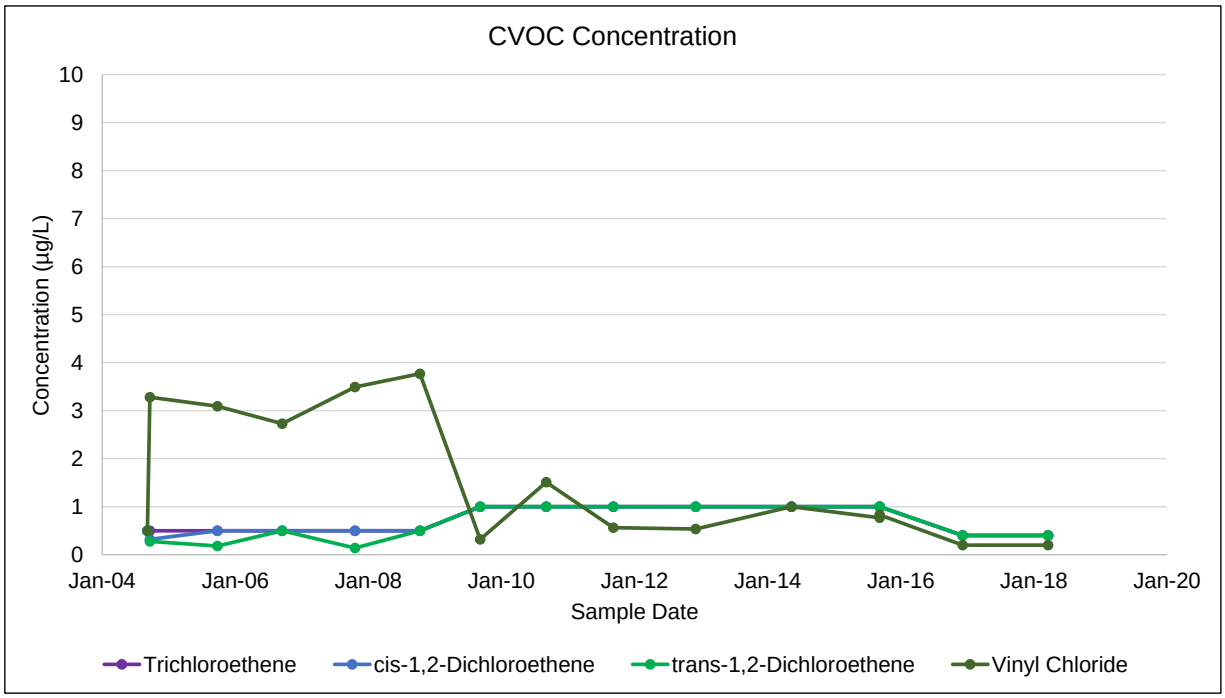
MW-11-003R





Notes:
µg/L: micrograms per liter
BTEX: benzene, toluene, ethylbenzene and total xylenes
CVOC: chlorinated volatile organic compound
Non-detect sample results are presented as half the reporting limit

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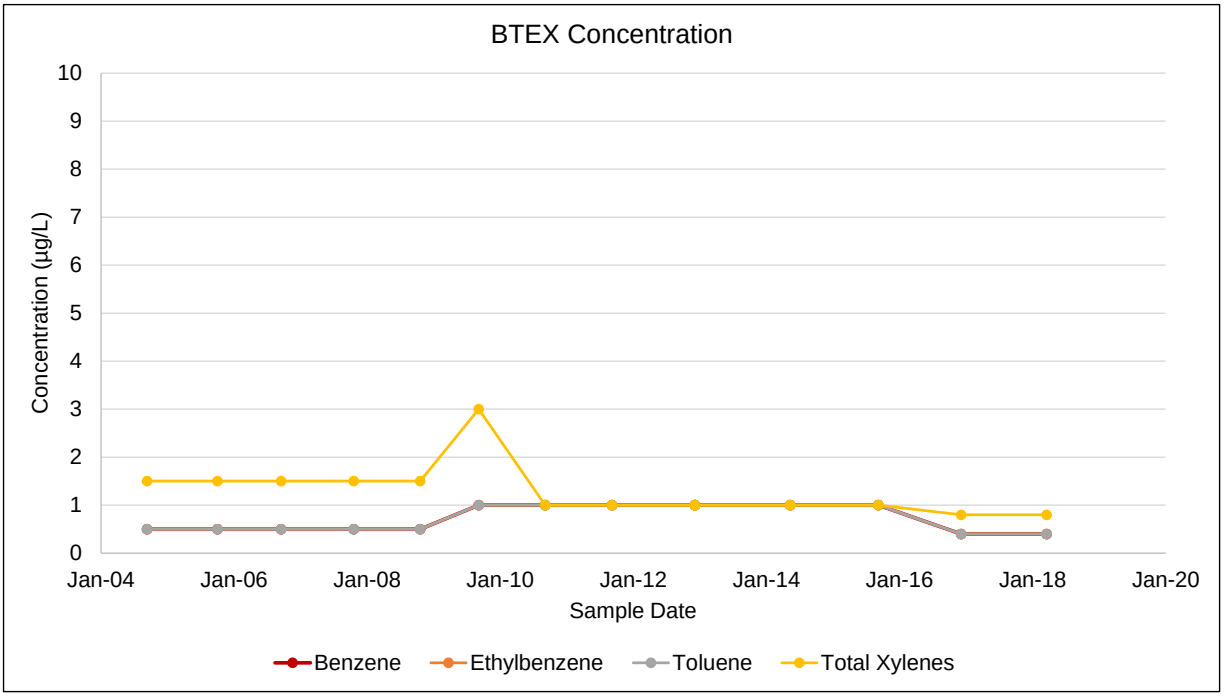
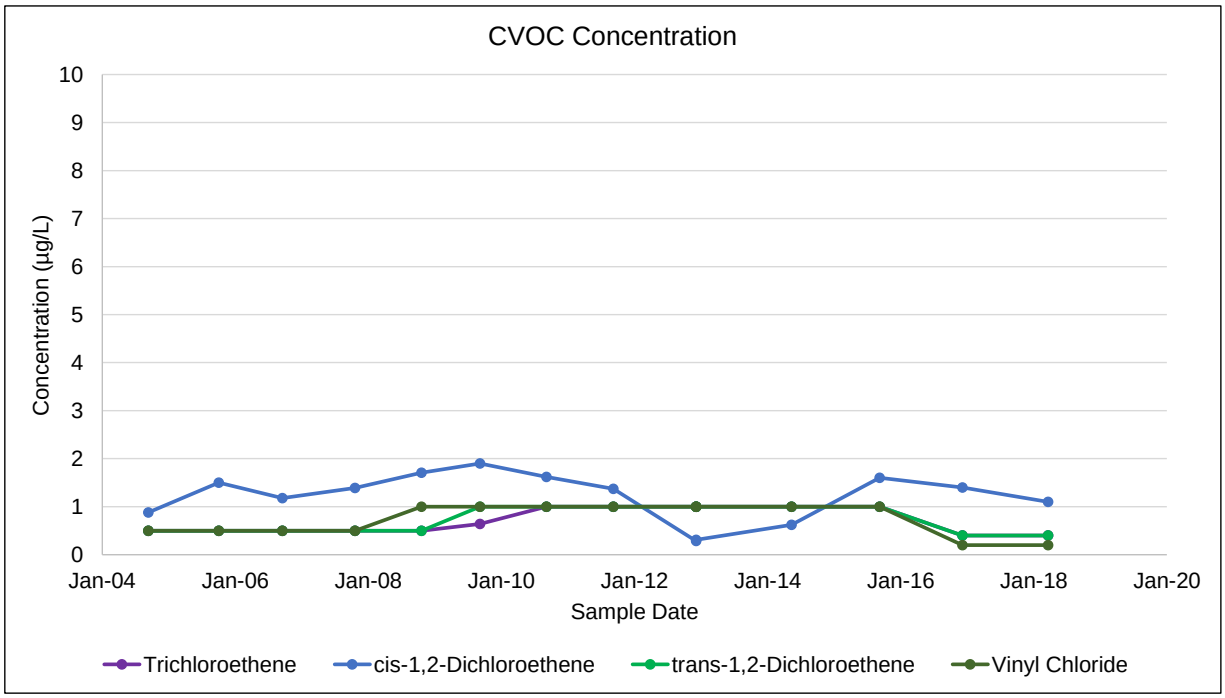
FT002 - Industrial Area Groundwater Operable Unit

MW-11-004

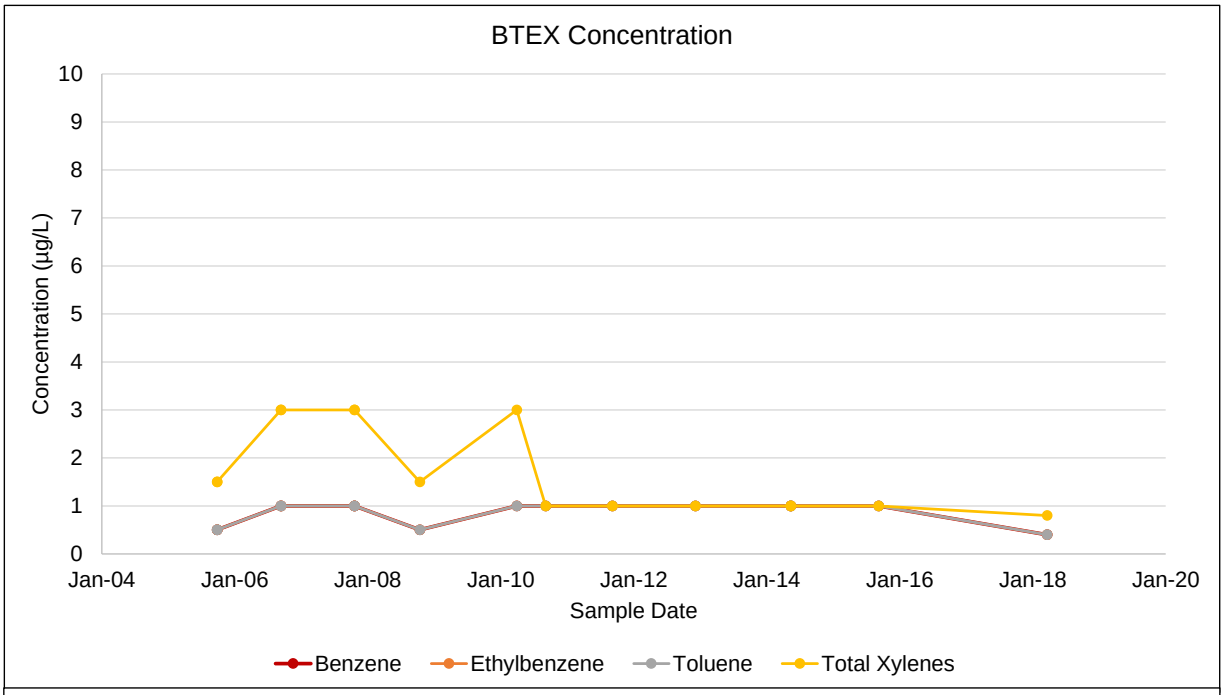


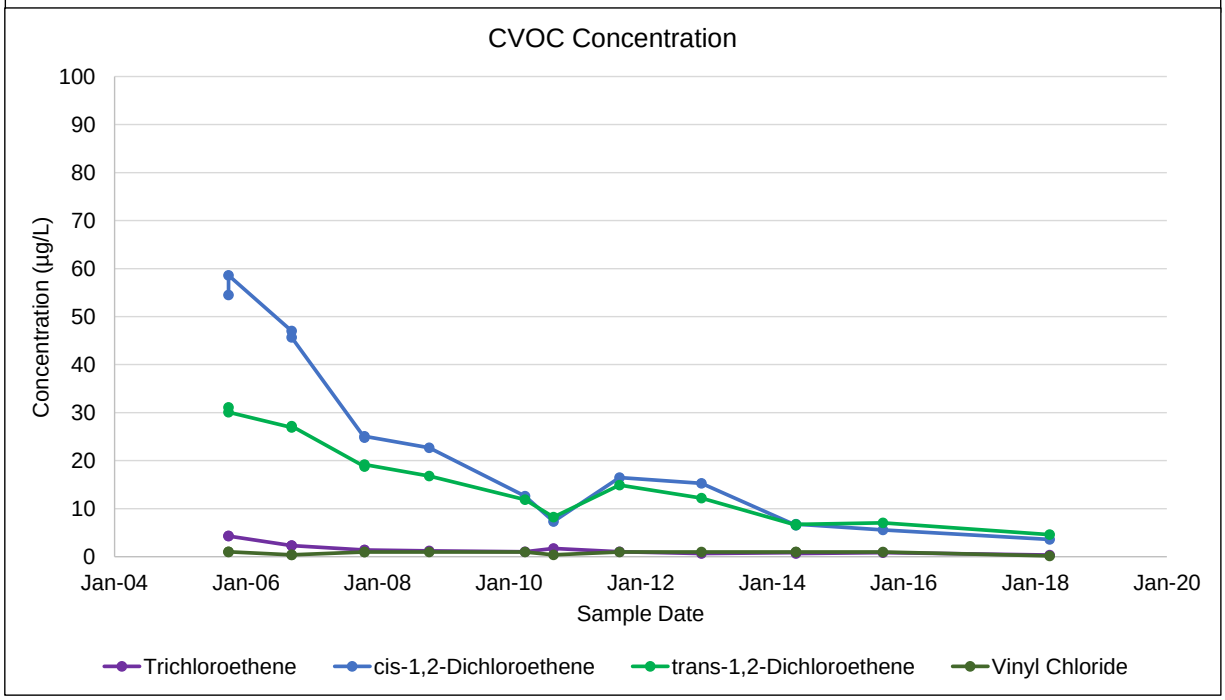


Notes:
µg/L: micrograms per liter
BTEX: benzene, toluene, ethylbenzene and total xylenes
CVOC: chlorinated volatile organic compound
Non-detect sample results are presented as half the reporting limit

Former Plattsburgh Air Force Base
Plattsburgh, New York
FT002 - Industrial Area Groundwater Operable Unit

MW-11-008





Notes:
µg/L: micrograms per liter
BTEX: benzene, toluene, ethylbenzene and total xylenes
CVOC: chlorinated volatile organic compound
Non-detect sample results are presented as half the reporting limit

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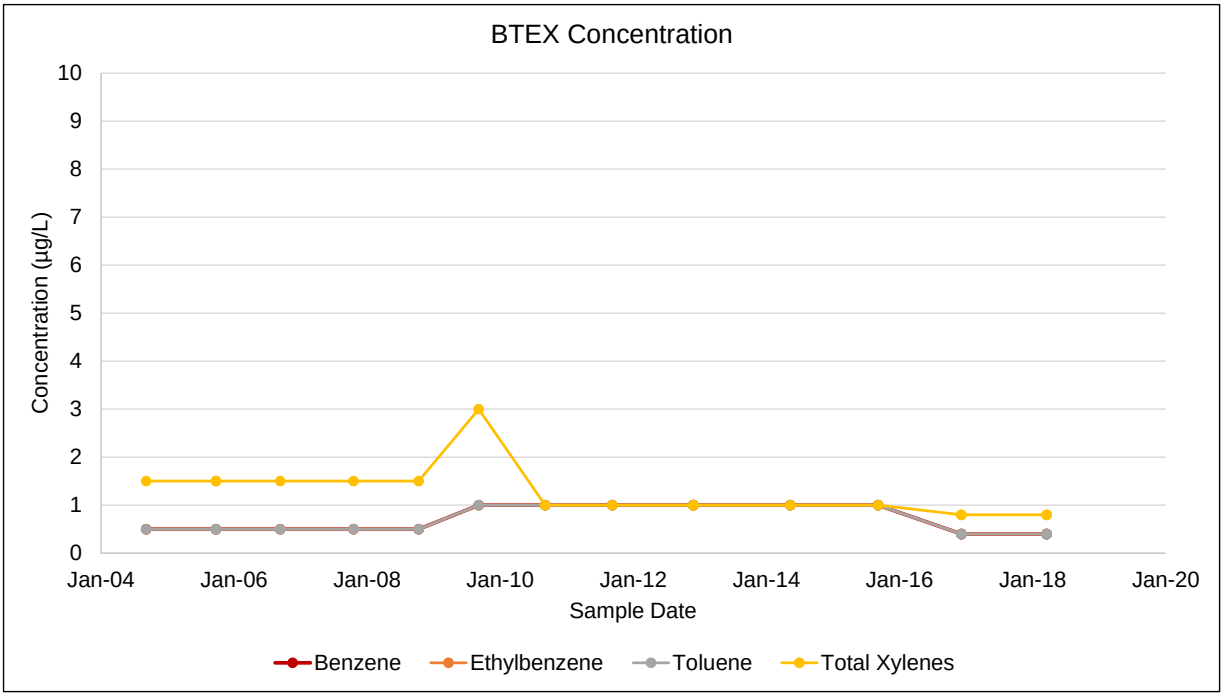
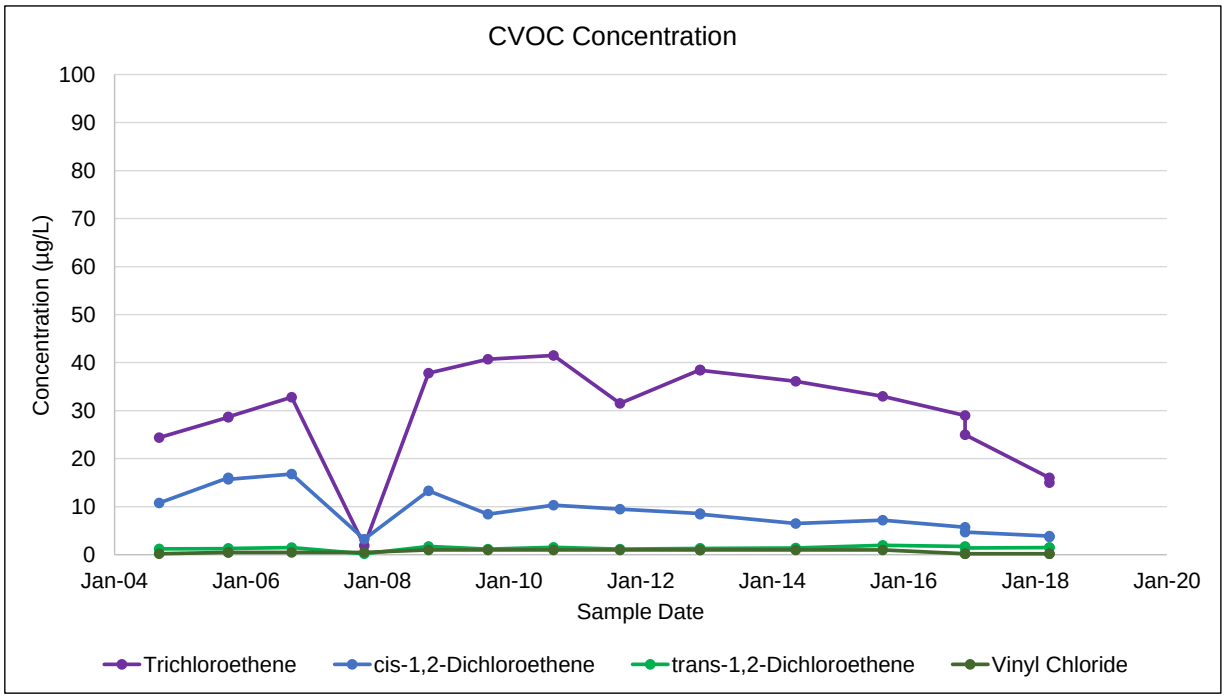
Plattsburgh, New York
FT002 - Industrial Area Groundwater Operable Unit

MW-11-010

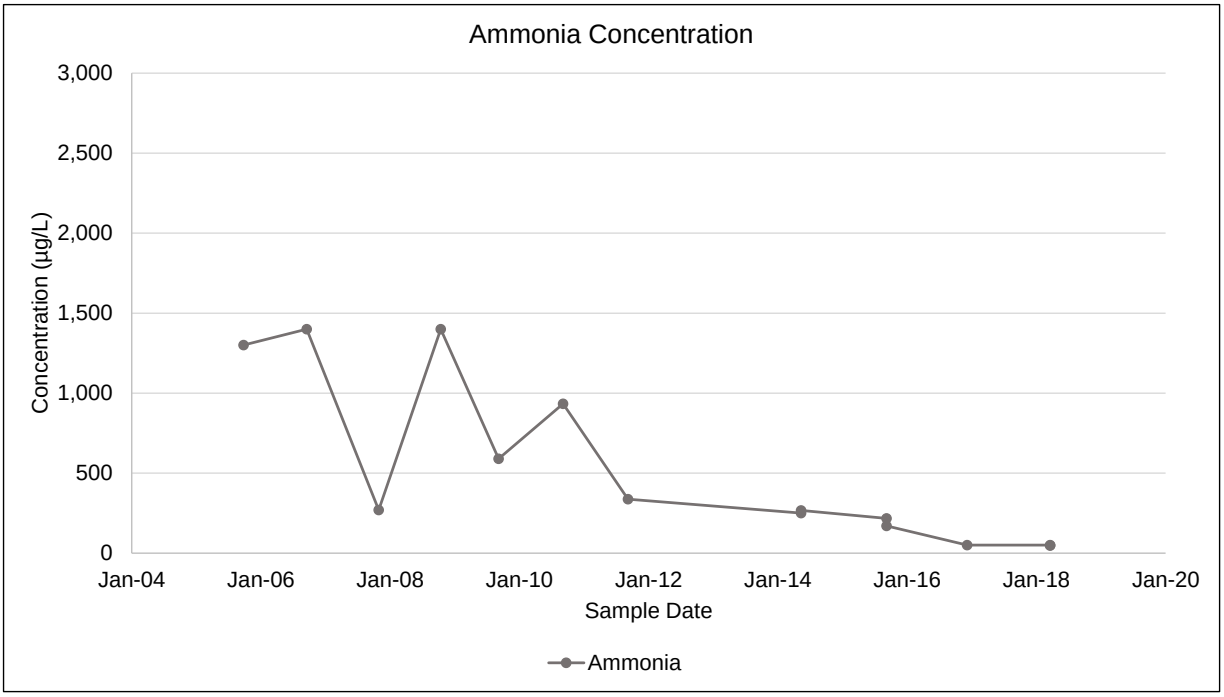




Notes:
µg/L: micrograms per liter
BTEX: benzene, toluene, ethylbenzene and total xylenes
CVOC: chlorinated volatile organic compound
Non-detect sample results are presented as half the reporting limit

Former Plattsburgh Air Force Base
Plattsburgh, New York
FT002 - Industrial Area Groundwater Operable Unit

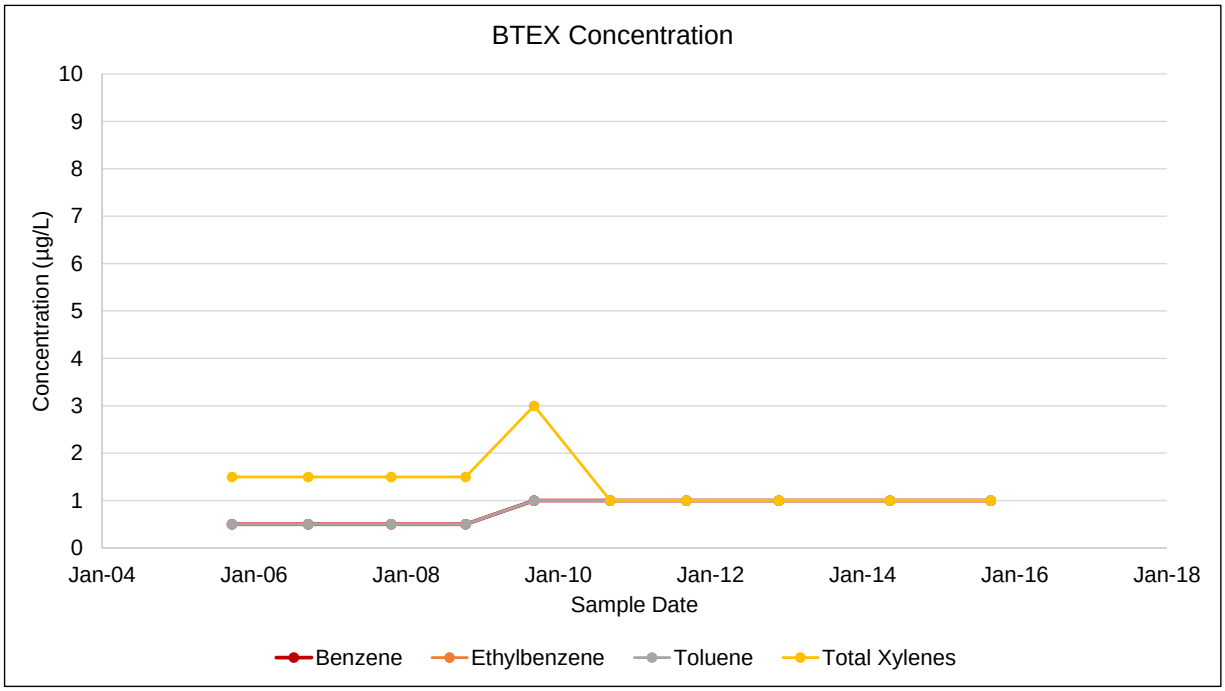
MW-12-001R

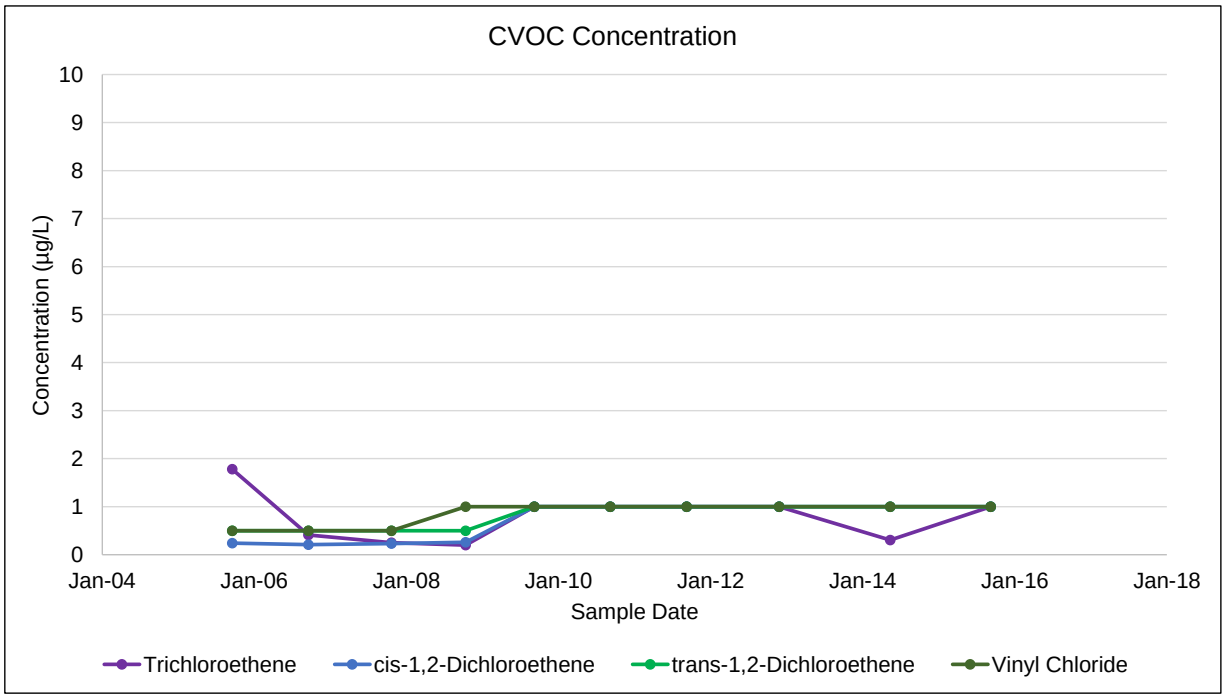


Notes:
µg/L: micrograms per liter
Non-detect sample results are presented as half the reporting limit

Former Plattsburgh Air Force Base
Plattsburgh, New York
FT002 - Industrial Area Groundwater Operable Unit

MW-17-001





Notes:
µg/L: micrograms per liter
BTEX: benzene, toluene, ethylbenzene and total xylenes
CVOC: chlorinated volatile organic compound
Non-detect sample results are presented as half the reporting limit

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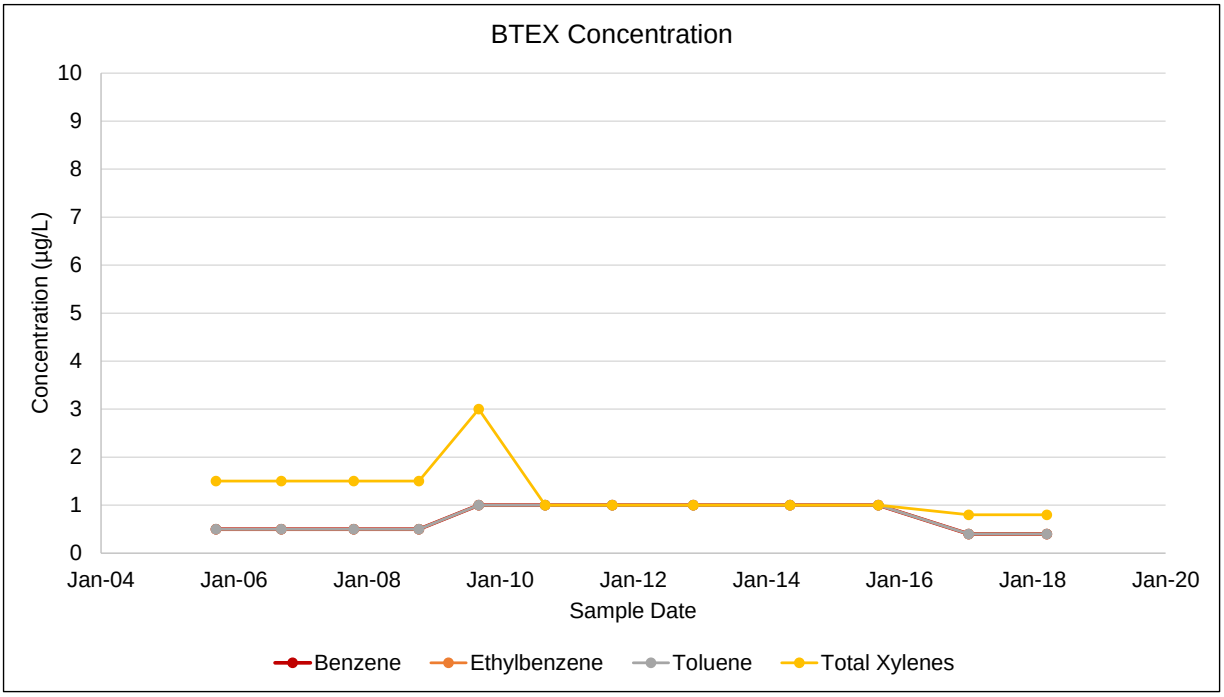
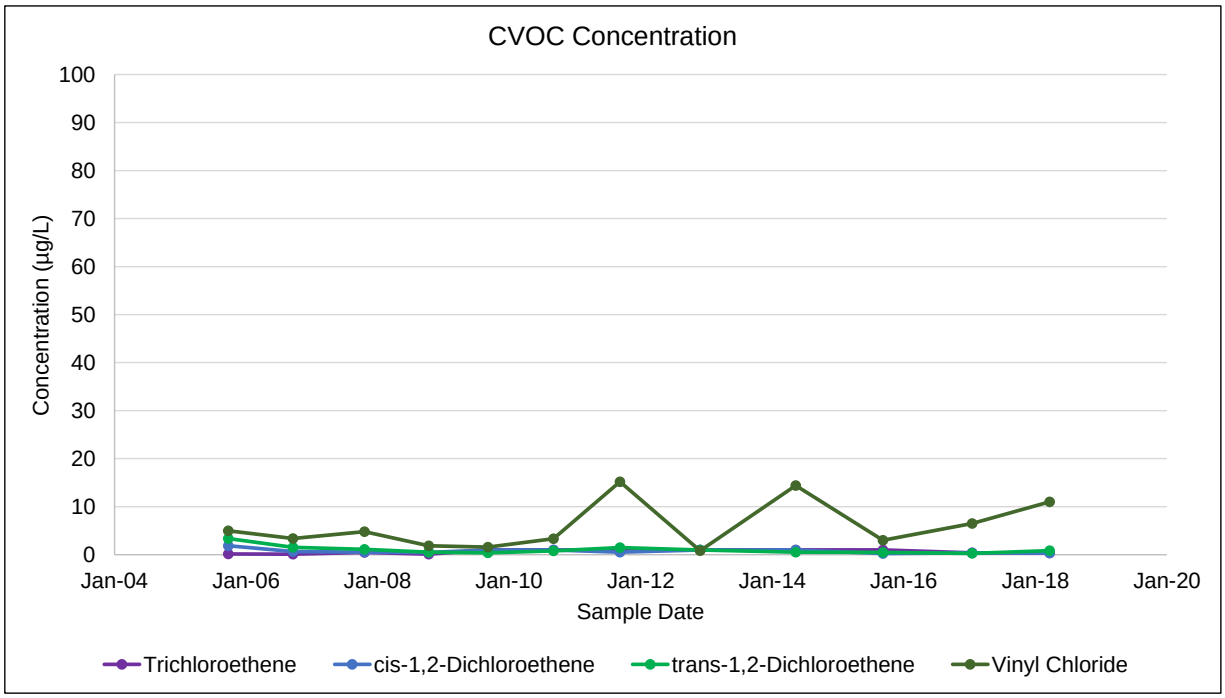
MW-2612-03





Notes:
µg/L: micrograms per liter
BTEX: benzene, toluene, ethylbenzene and total xylenes
CVOC: chlorinated volatile organic compound
Non-detect sample results are presented as half the reporting limit

Former Plattsburgh Air Force Base
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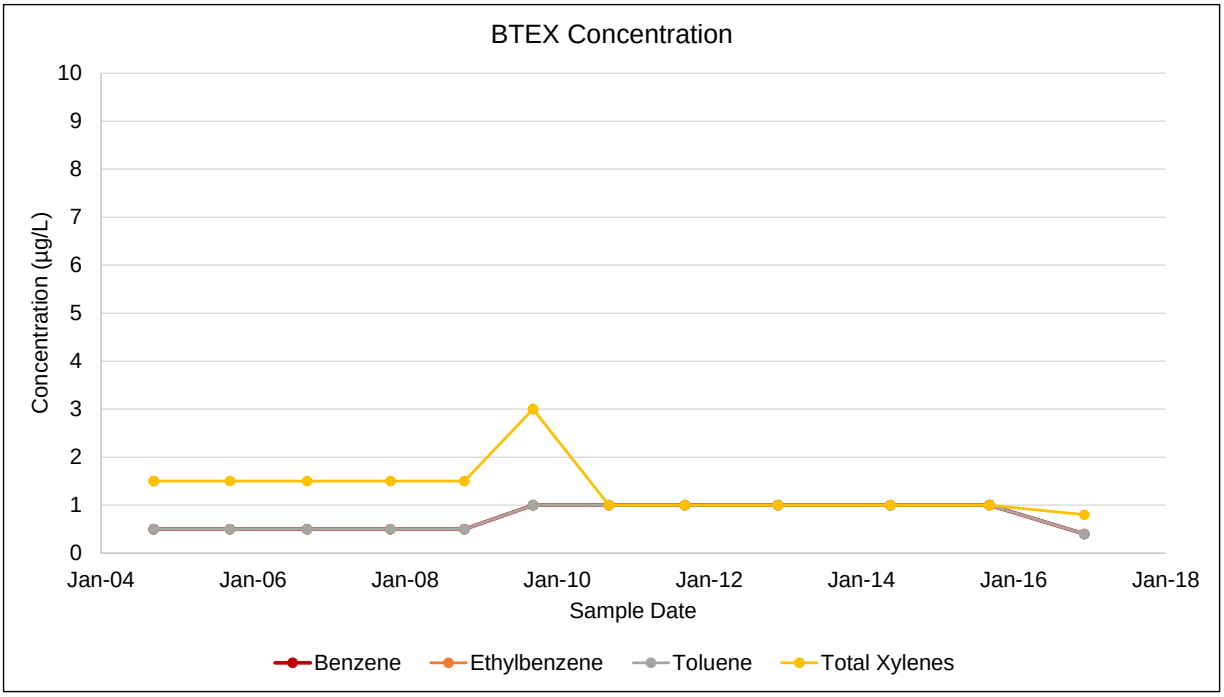
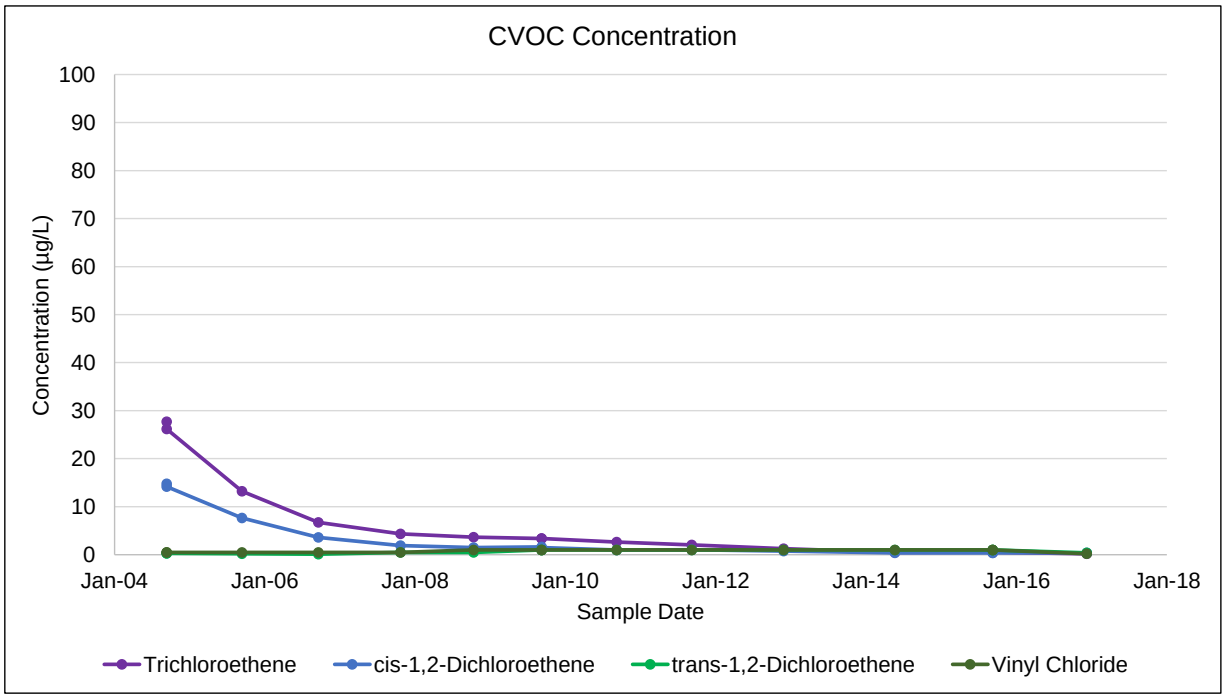
FT002 - Industrial Area Groundwater Operable Unit

MW-2612-08





Notes:
µg/L: micrograms per liter
BTEX: benzene, toluene, ethylbenzene and total xylenes
CVOC: chlorinated volatile organic compound
Non-detect sample results are presented as half the reporting limit

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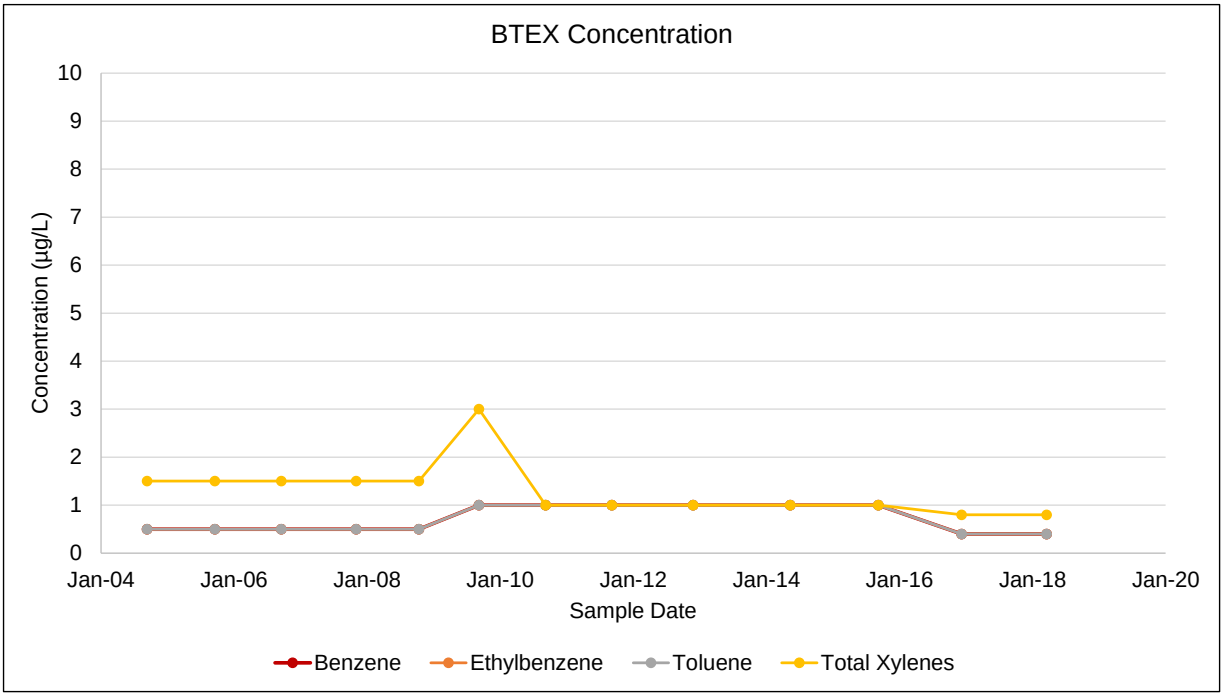
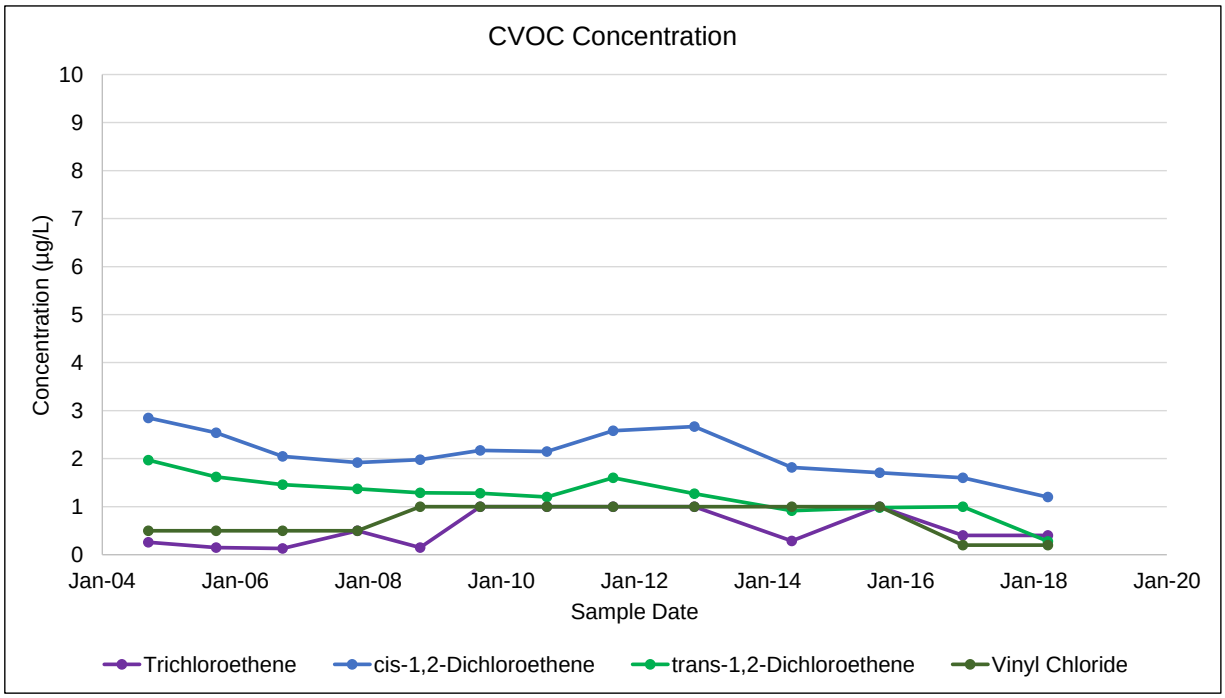
MW-2612-15





Notes:
µg/L: micrograms per liter
BTEX: benzene, toluene, ethylbenzene and total xylenes
CVOC: chlorinated volatile organic compound
Non-detect sample results are presented as half the reporting limit

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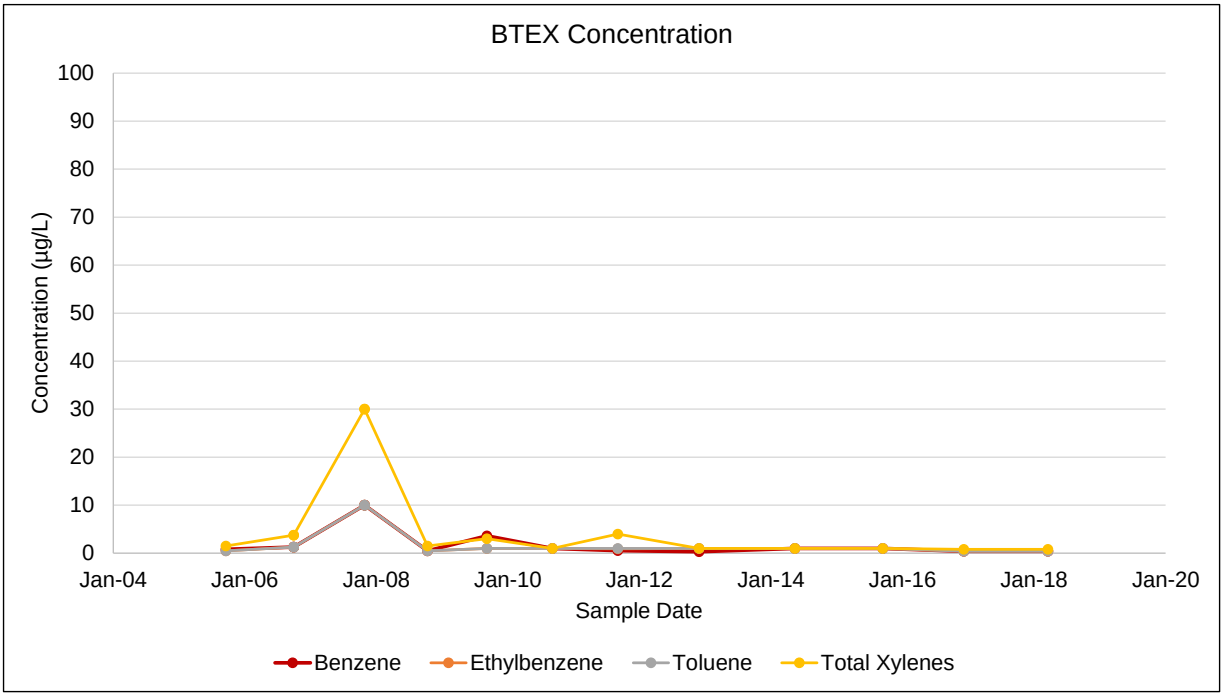
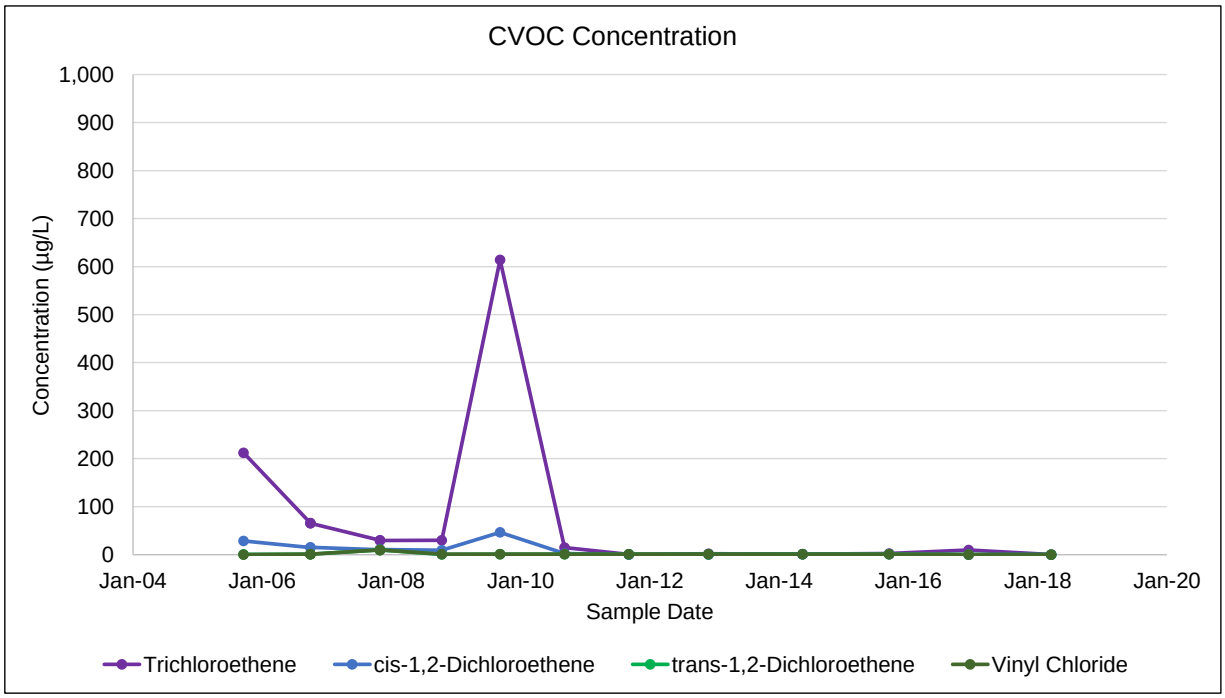
MW-GWOU-11





Notes:
µg/L: micrograms per liter
BTEX: benzene, toluene, ethylbenzene and total xylenes
CVOC: chlorinated volatile organic compound
Non-detect sample results are presented as half the reporting limit

Former Plattsburgh Air Force Base
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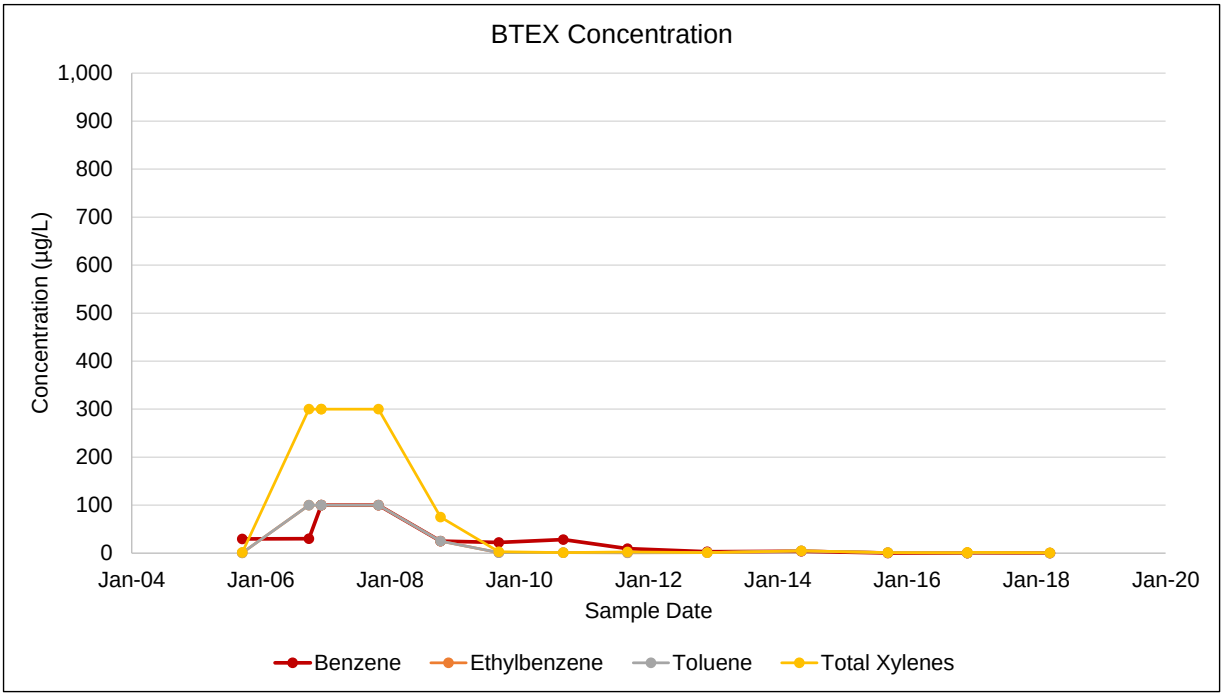
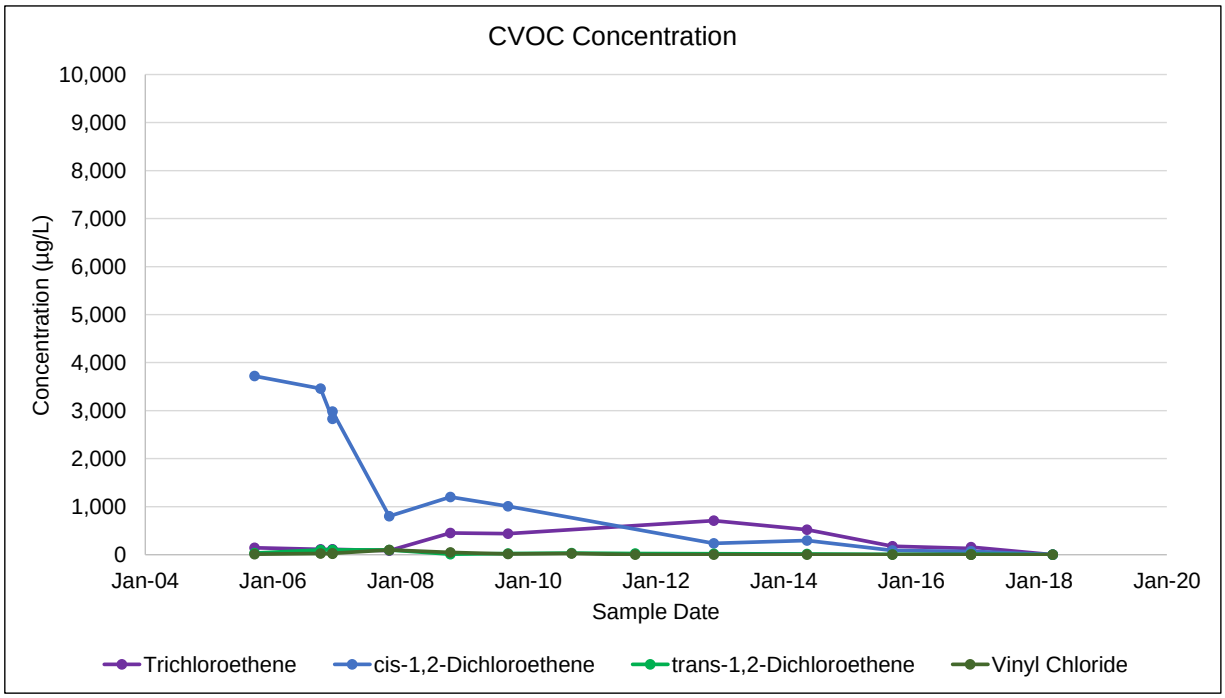
FT002 - Industrial Area Groundwater Operable Unit

MW-GWOU-13





Notes:
µg/L: micrograms per liter
BTEX: benzene, toluene, ethylbenzene and total xylenes
CVOC: chlorinated volatile organic compound
Non-detect sample results are presented as half the reporting limit

Former Plattsburgh Air Force Base
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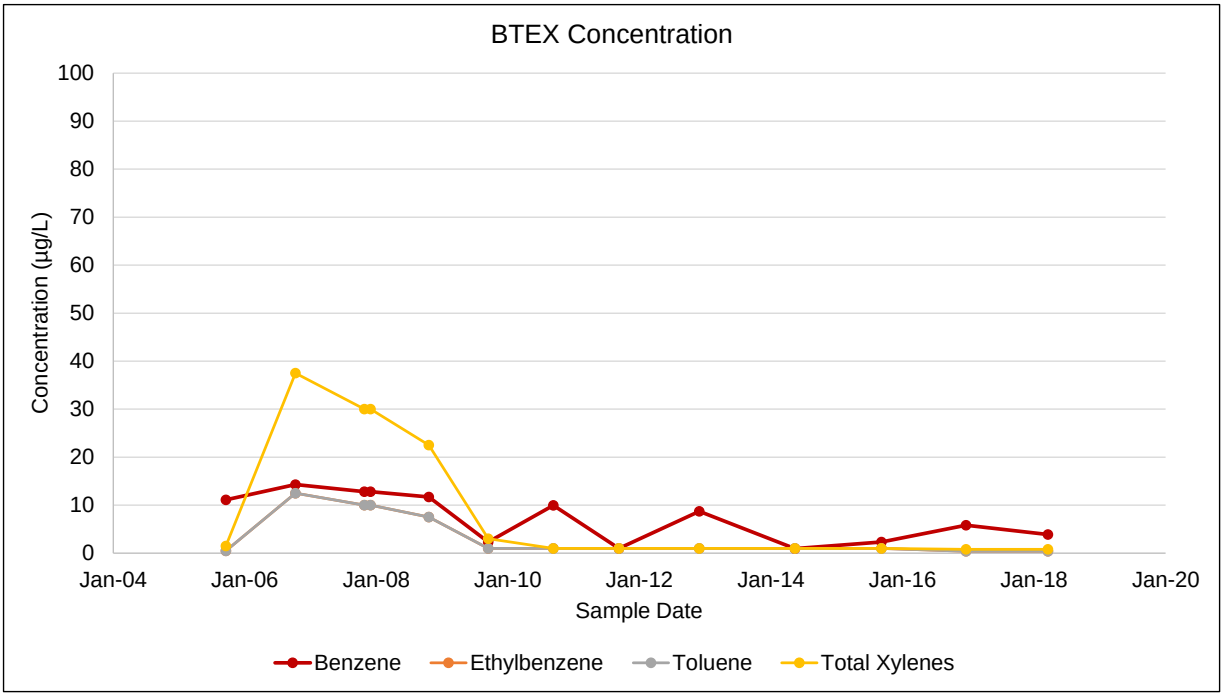
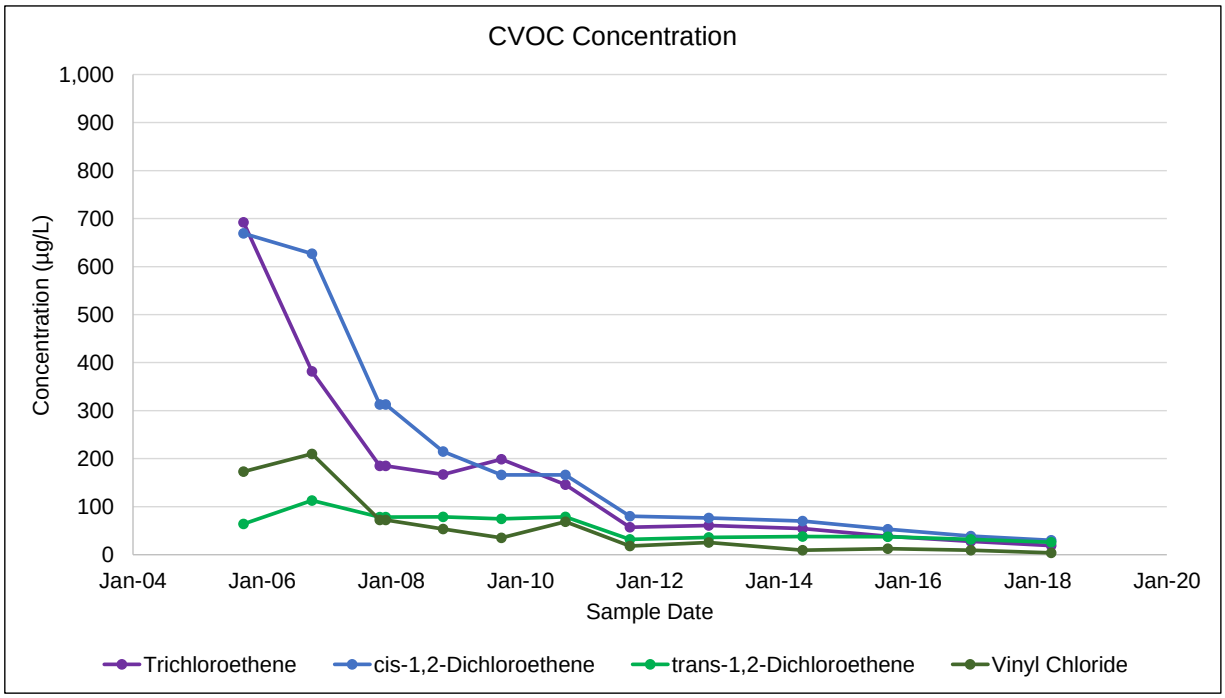
FT002 - Industrial Area Groundwater Operable Unit

MW-GWOU-15

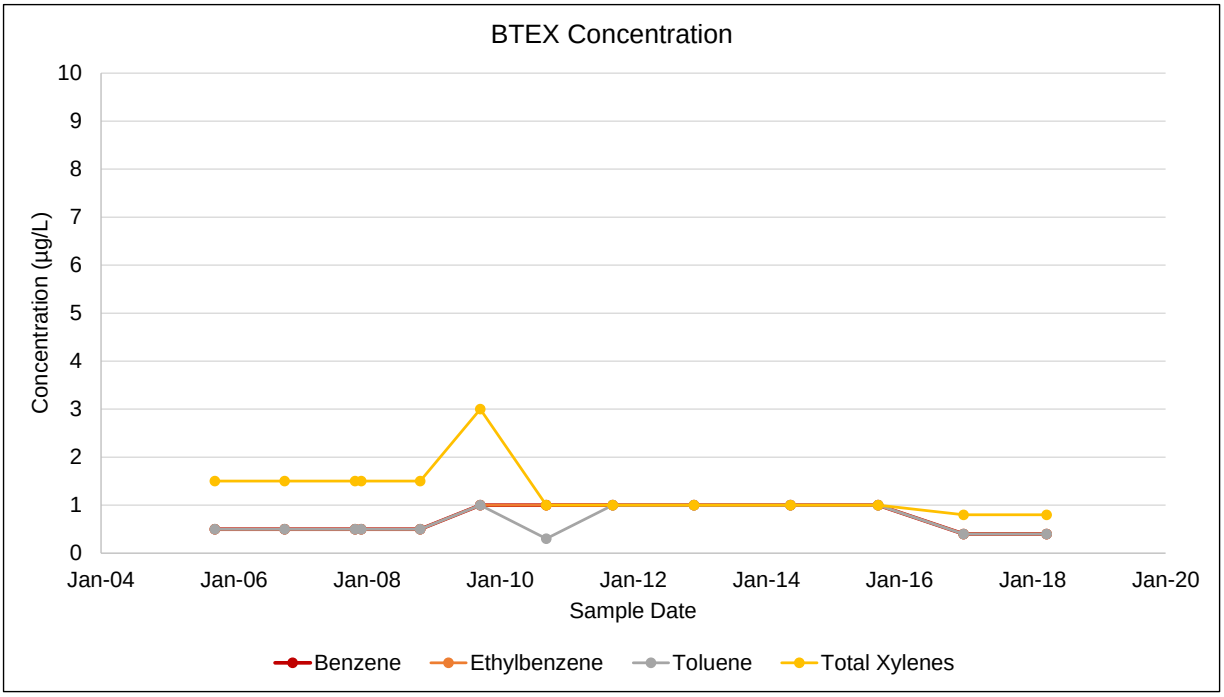


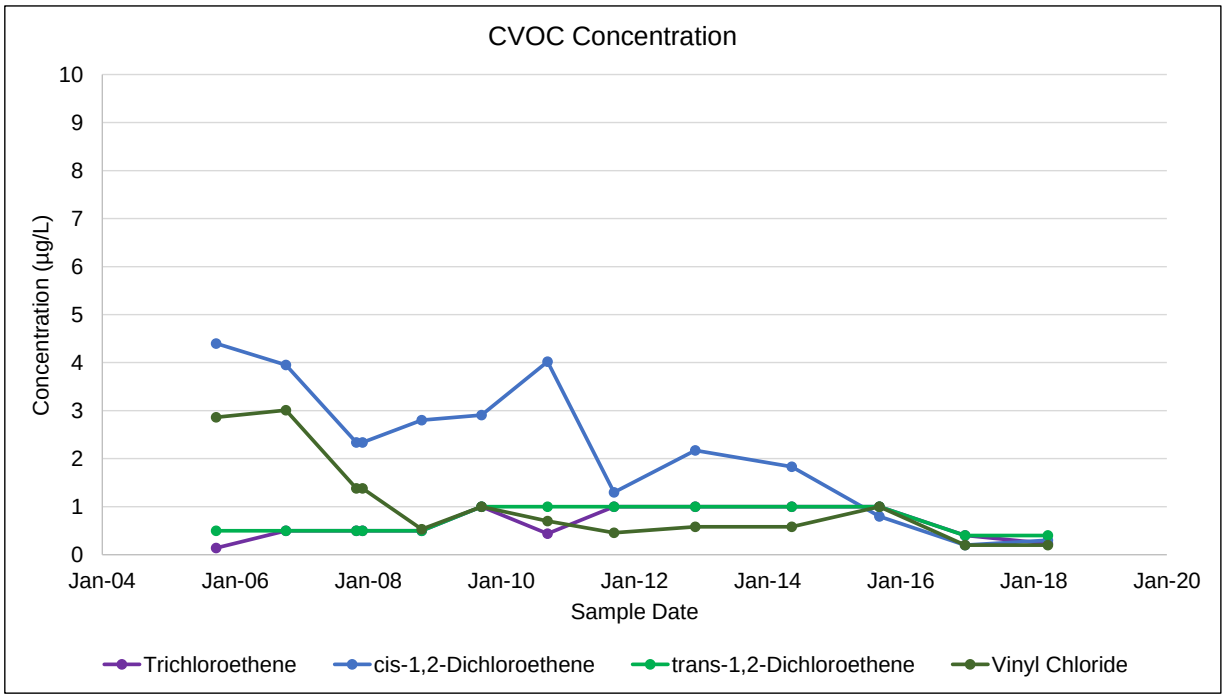


Notes:
µg/L: micrograms per liter
BTEX: benzene, toluene, ethylbenzene and total xylenes
CVOC: chlorinated volatile organic compound
Non-detect sample results are presented as half the reporting limit

Former Plattsburgh Air Force Base
Plattsburgh, New York
FT002 - Industrial Area Groundwater Operable Unit

MW-GWOU-16

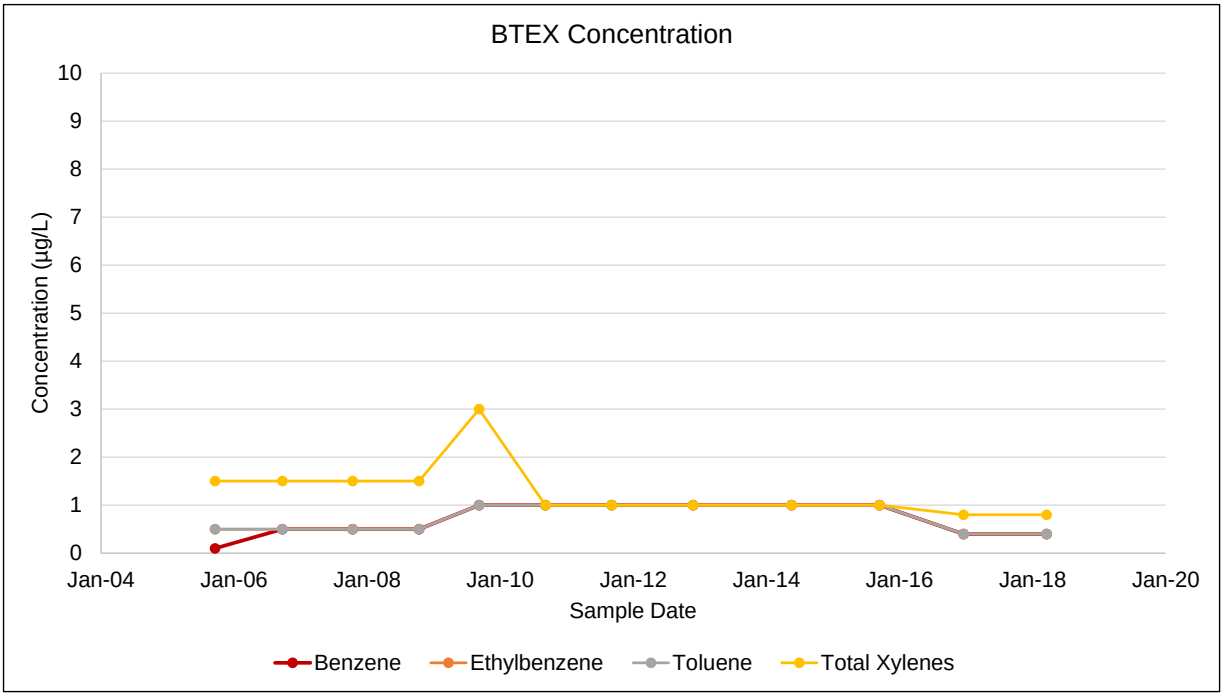


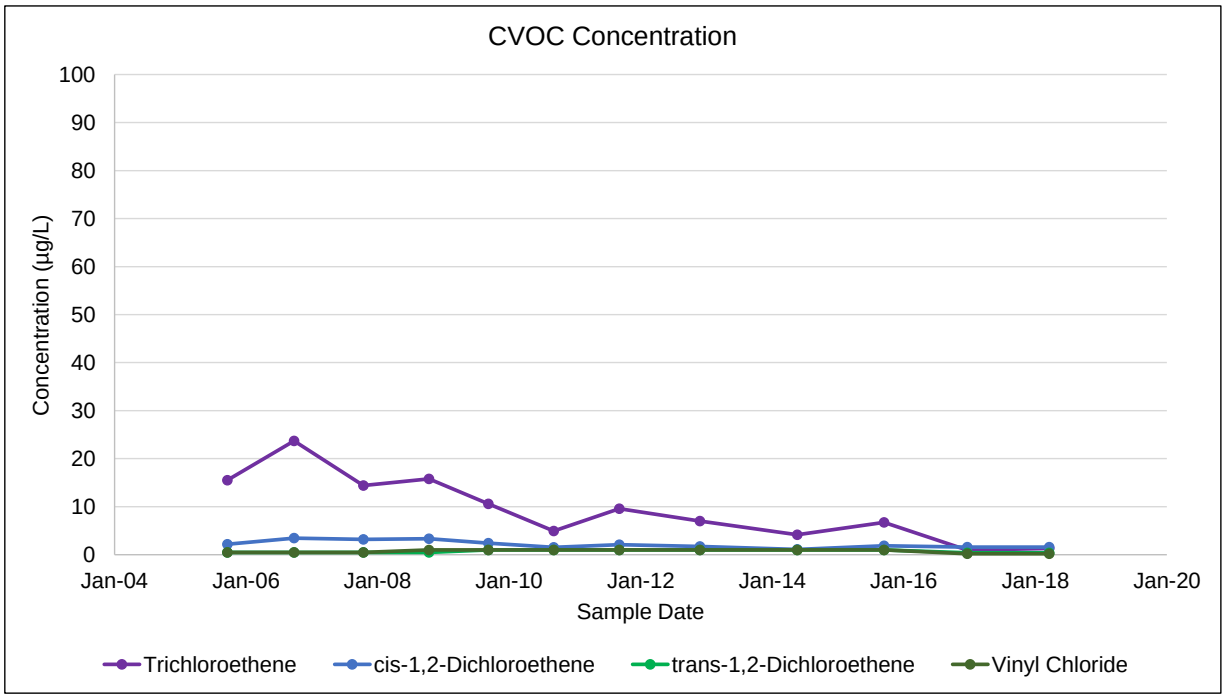


Notes:
µg/L: micrograms per liter
BTEX: benzene, toluene, ethylbenzene and total xylenes
CVOC: chlorinated volatile organic compound
Non-detect sample results are presented as half the reporting limit

Former Plattsburgh Air Force Base
Plattsburgh, New York
FT002 - Industrial Area Groundwater Operable Unit

MW-GWOU-19





Notes:
µg/L: micrograms per liter
BTEX: benzene, toluene, ethylbenzene and total xylenes
CVOC: chlorinated volatile organic compound
Non-detect sample results are presented as half the reporting limit

Former Plattsburgh Air Force Base
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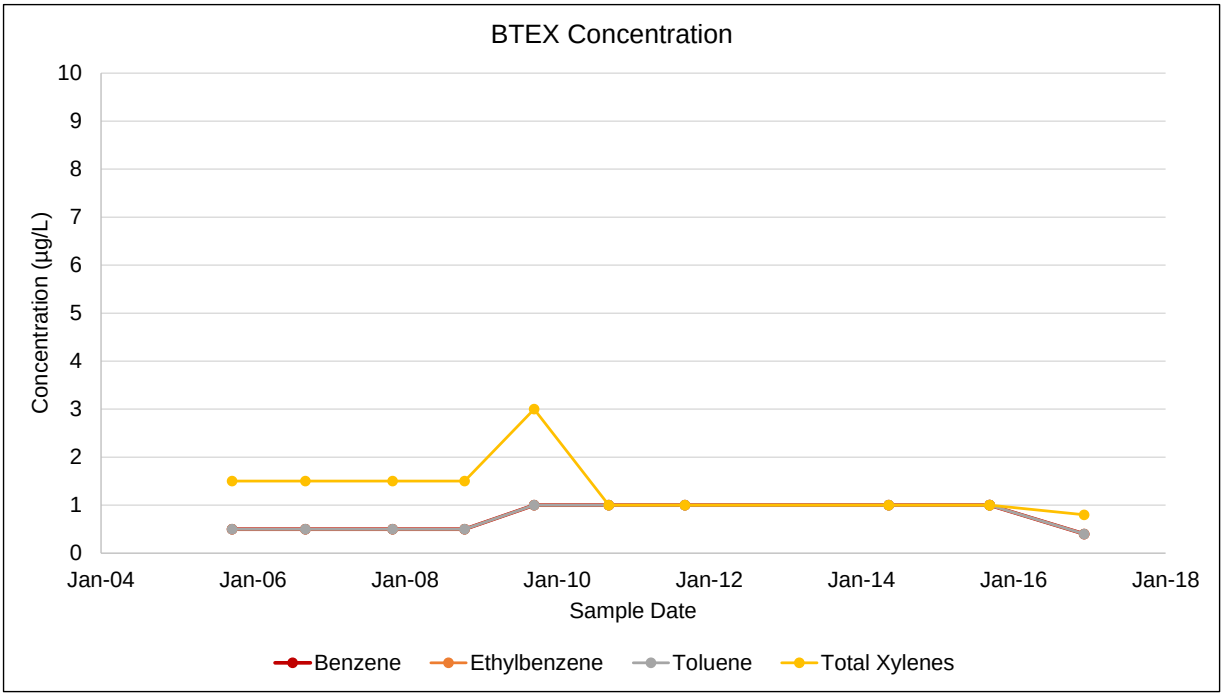
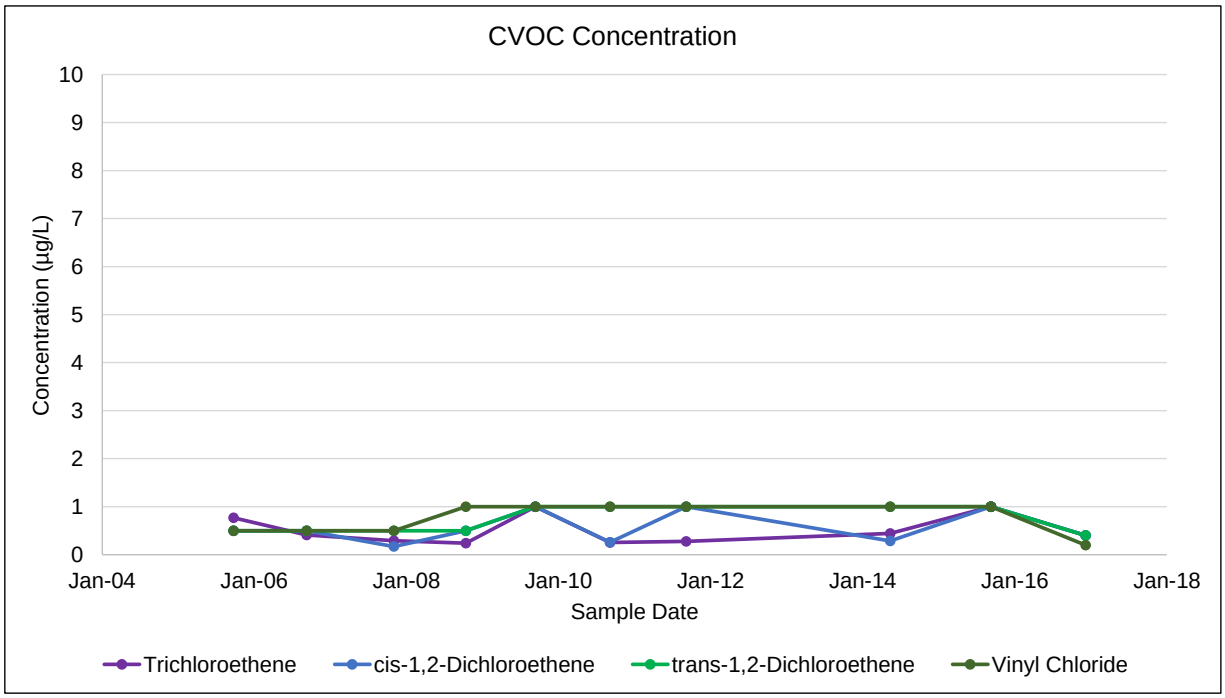
FT002 - Industrial Area Groundwater Operable Unit

MW-GWOU-21

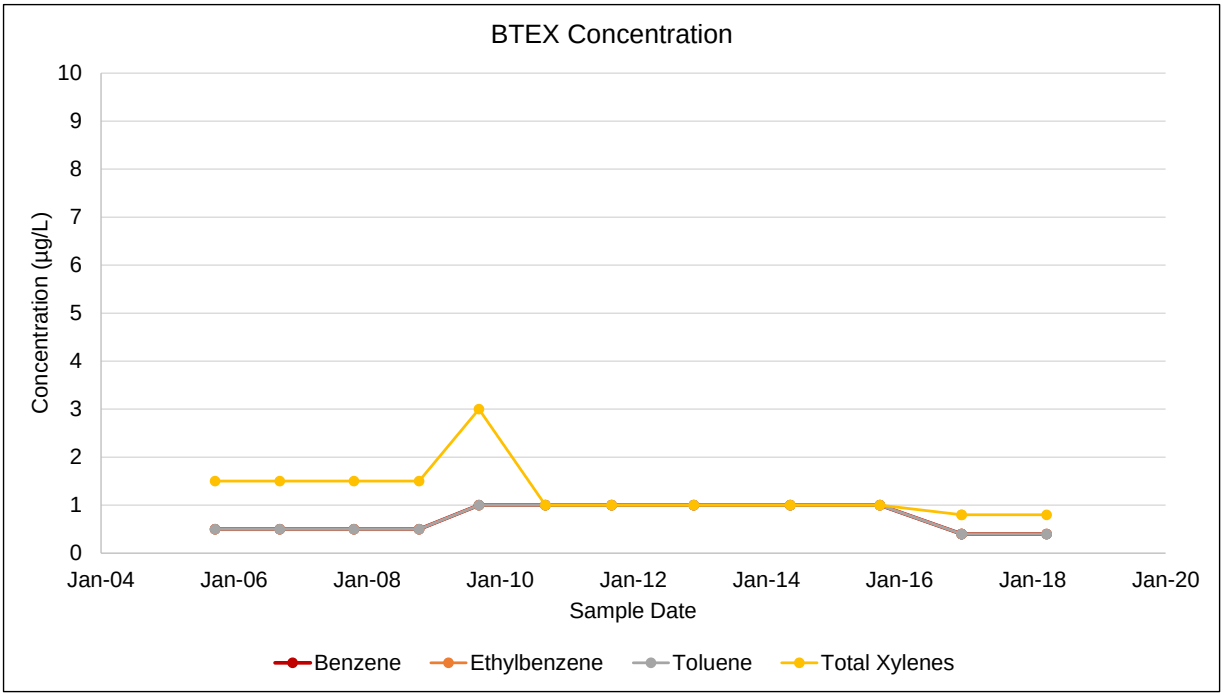


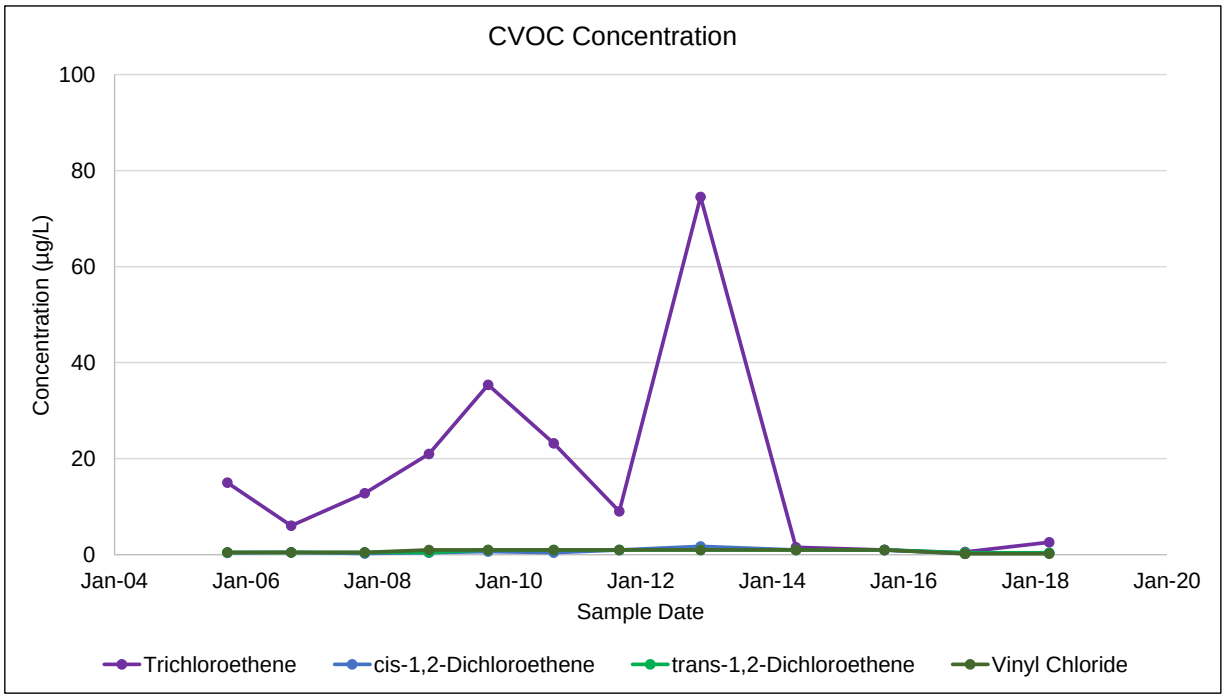


Notes:
µg/L: micrograms per liter
BTEX: benzene, toluene, ethylbenzene and total xylenes
CVOC: chlorinated volatile organic compound
Non-detect sample results are presented as half the reporting limit

Former Plattsburgh Air Force Base
Plattsburgh, New York
FT002 - Industrial Area Groundwater Operable Unit

MW-GWOU-22

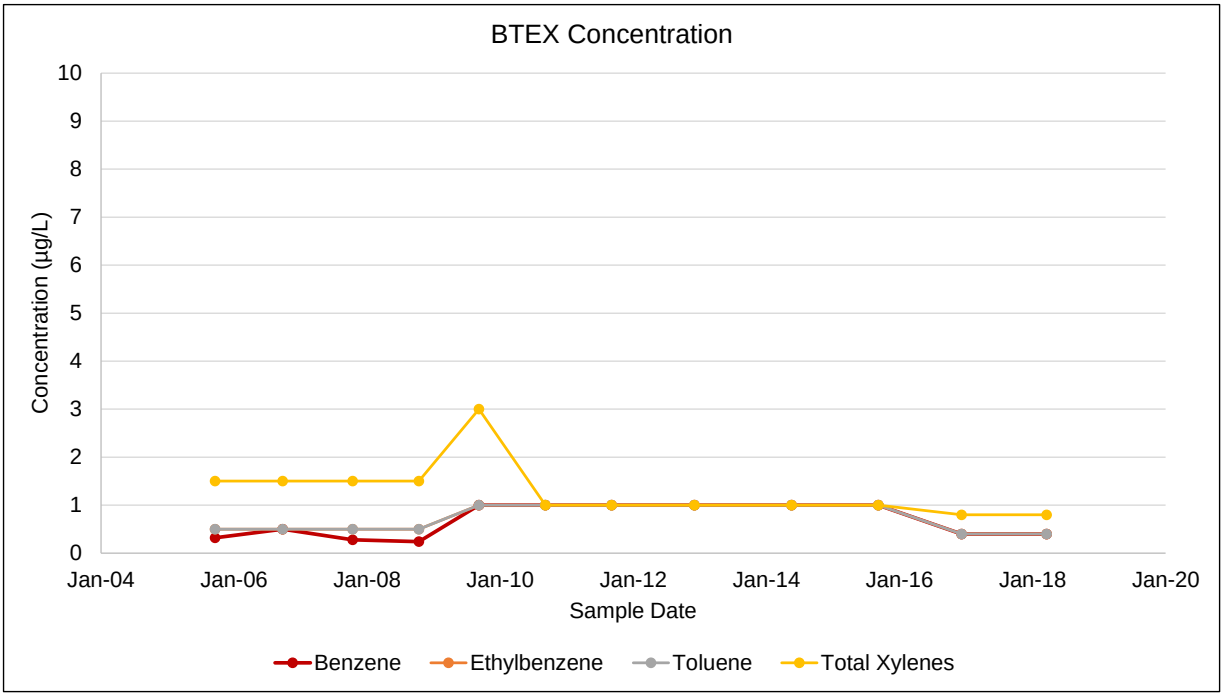


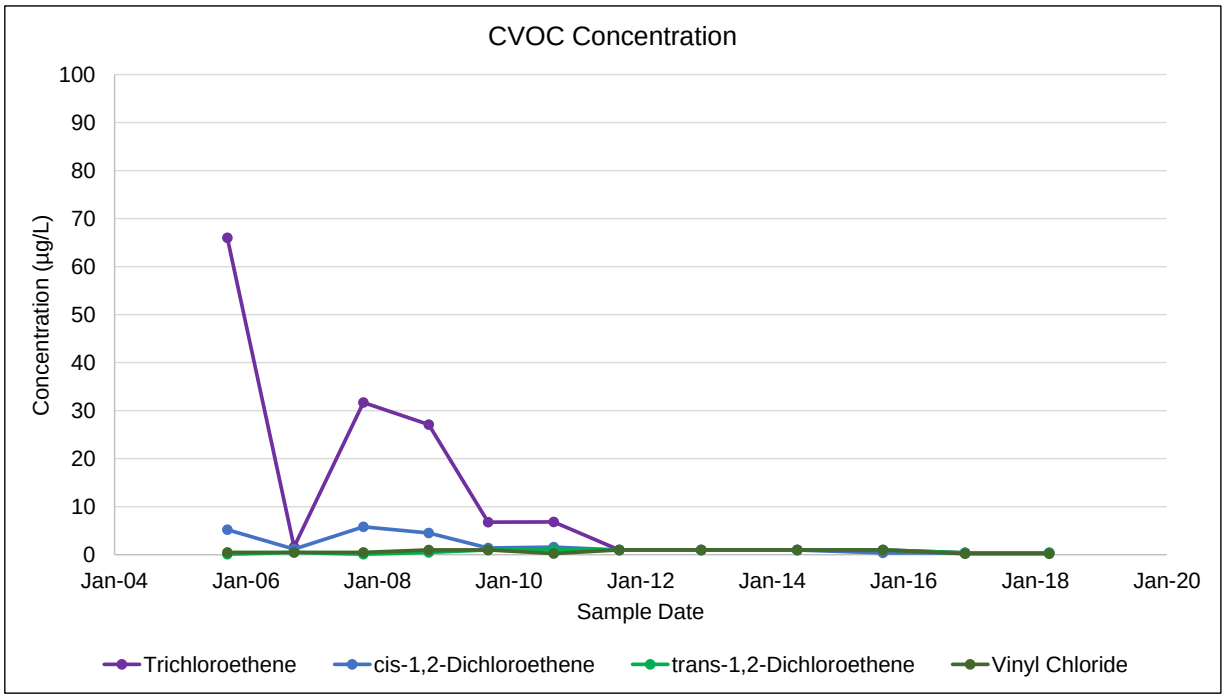


Notes:
µg/L: micrograms per liter
BTEX: benzene, toluene, ethylbenzene and total xylenes
CVOC: chlorinated volatile organic compound
Non-detect sample results are presented as half the reporting limit

Former Plattsburgh Air Force Base
Plattsburgh, New York
FT002 - Industrial Area Groundwater Operable Unit

MW-GWOU-23

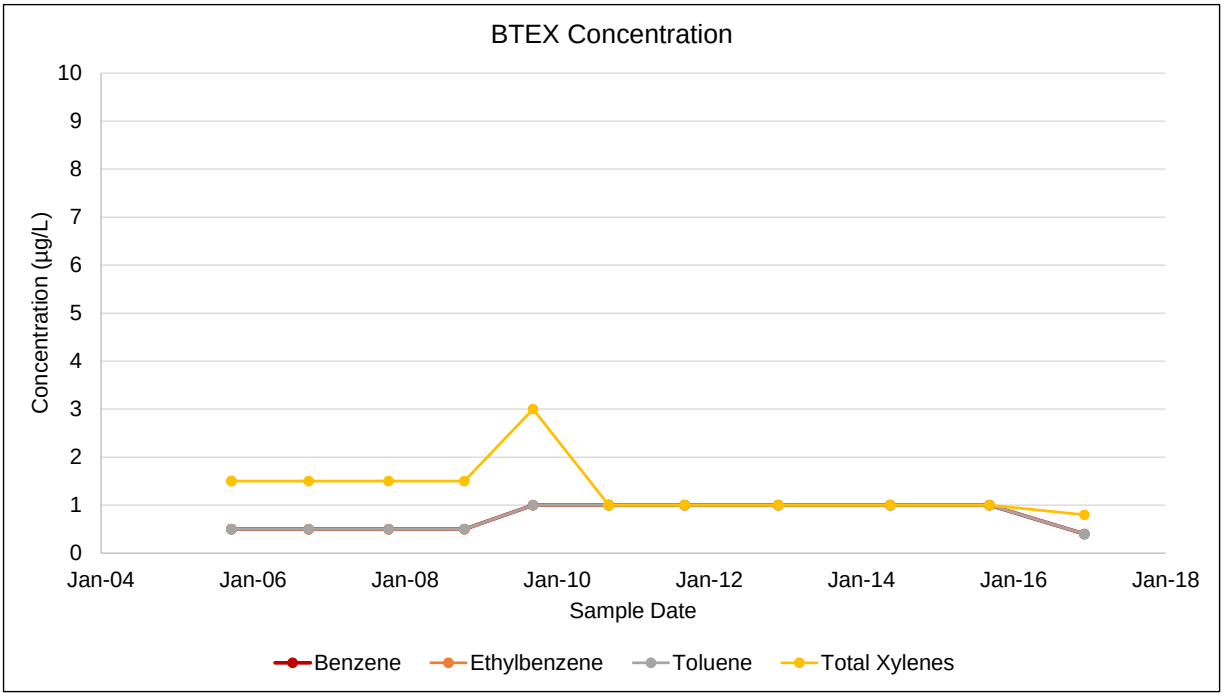


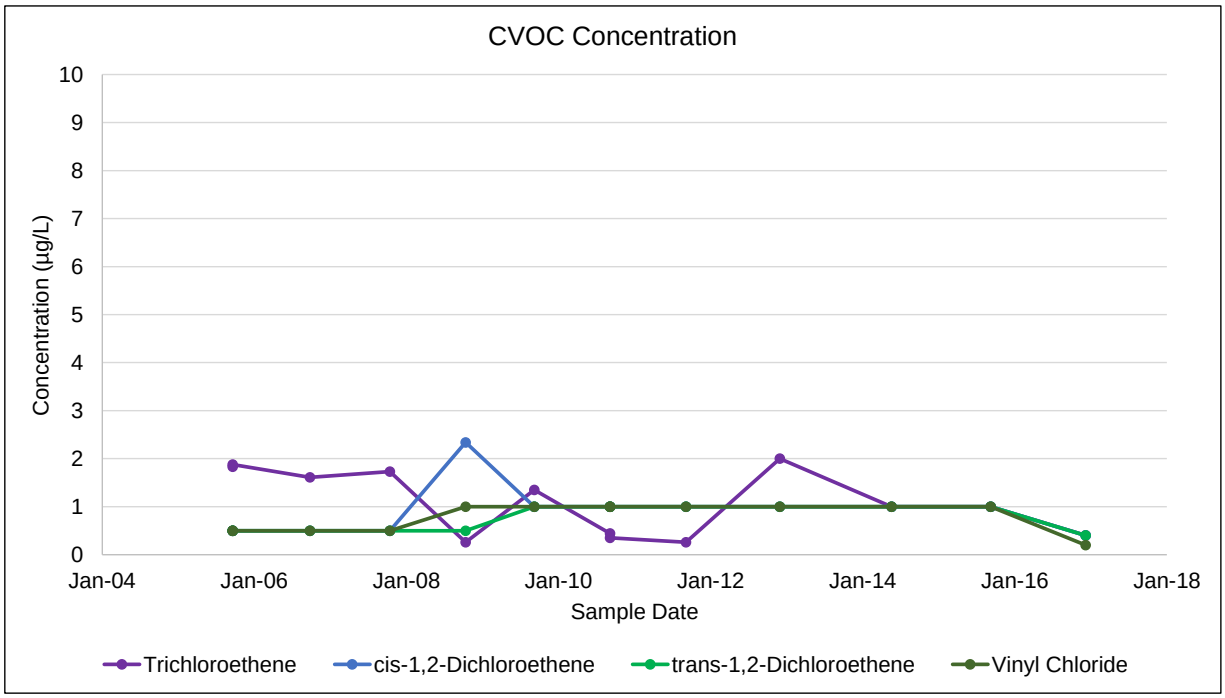


Notes:
µg/L: micrograms per liter
BTEX: benzene, toluene, ethylbenzene and total xylenes
CVOC: chlorinated volatile organic compound
Non-detect sample results are presented as half the reporting limit

Former Plattsburgh Air Force Base
Plattsburgh, New York
FT002 - Industrial Area Groundwater Operable Unit

MW-GWOU-24

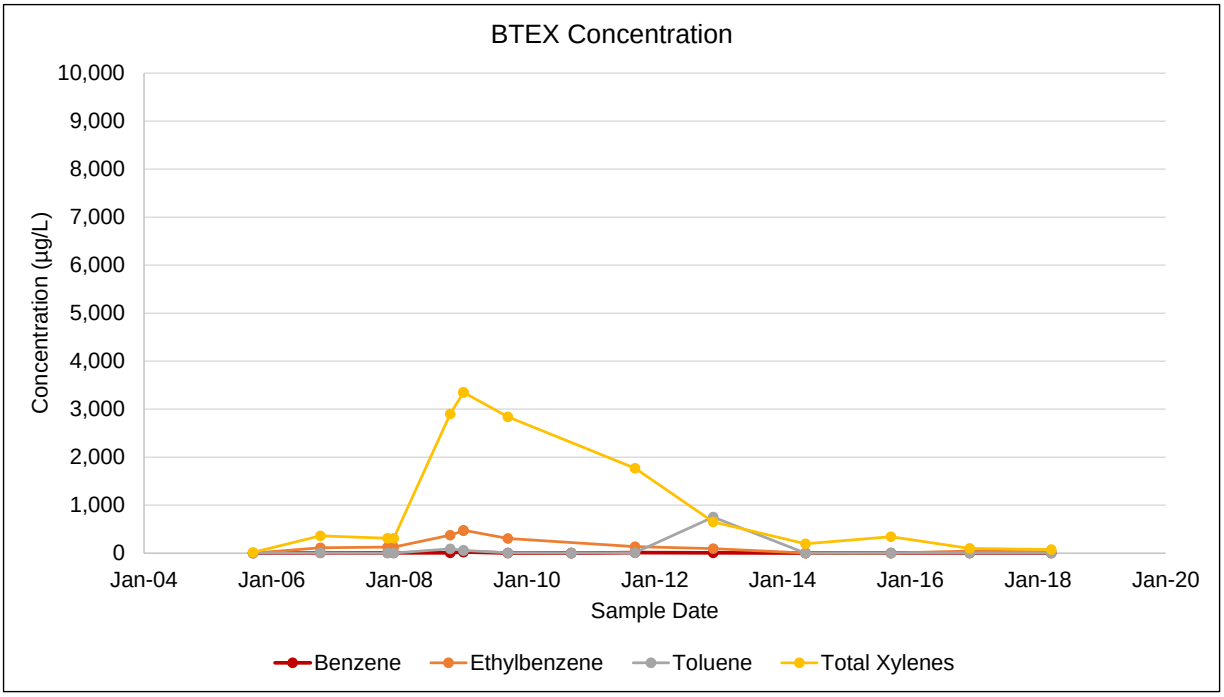


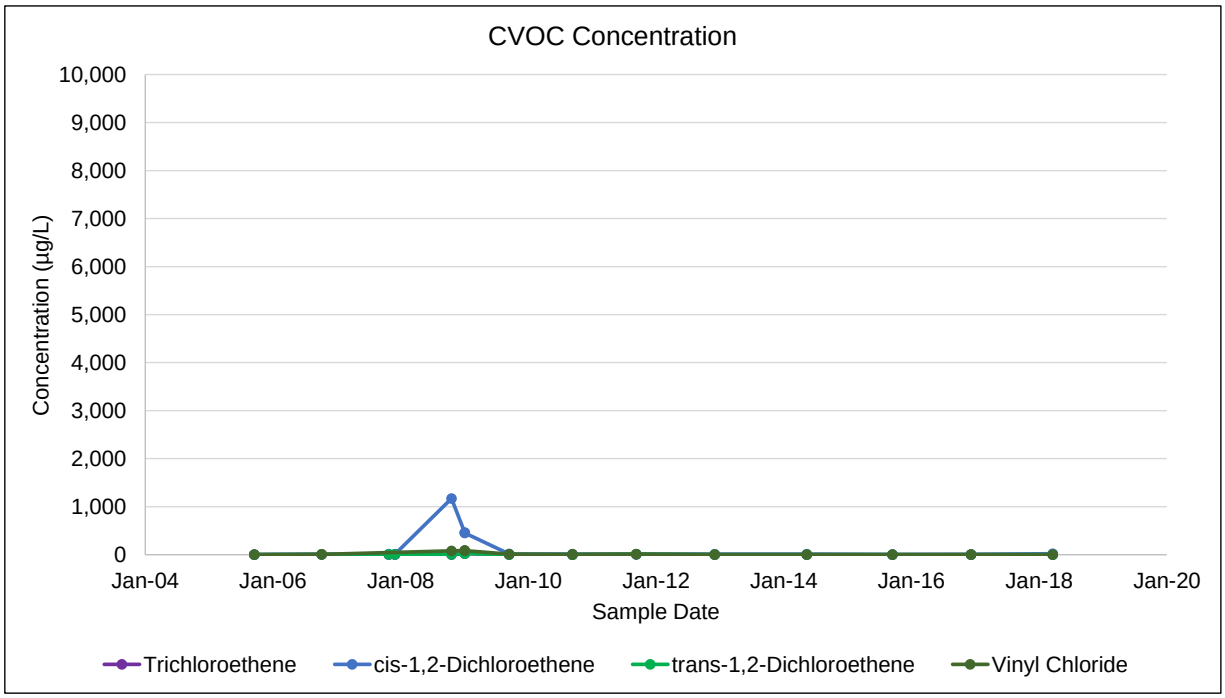


Notes:
µg/L: micrograms per liter
BTEX: benzene, toluene, ethylbenzene and total xylenes
CVOC: chlorinated volatile organic compound
Non-detect sample results are presented as half the reporting limit

Former Plattsburgh Air Force Base
Plattsburgh, New York
FT002 - Industrial Area Groundwater Operable Unit

MW-GWOU-26





Notes:
µg/L: micrograms per liter
BTEX: benzene, toluene, ethylbenzene and total xylenes
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Non-detect sample results are presented as half the reporting limit

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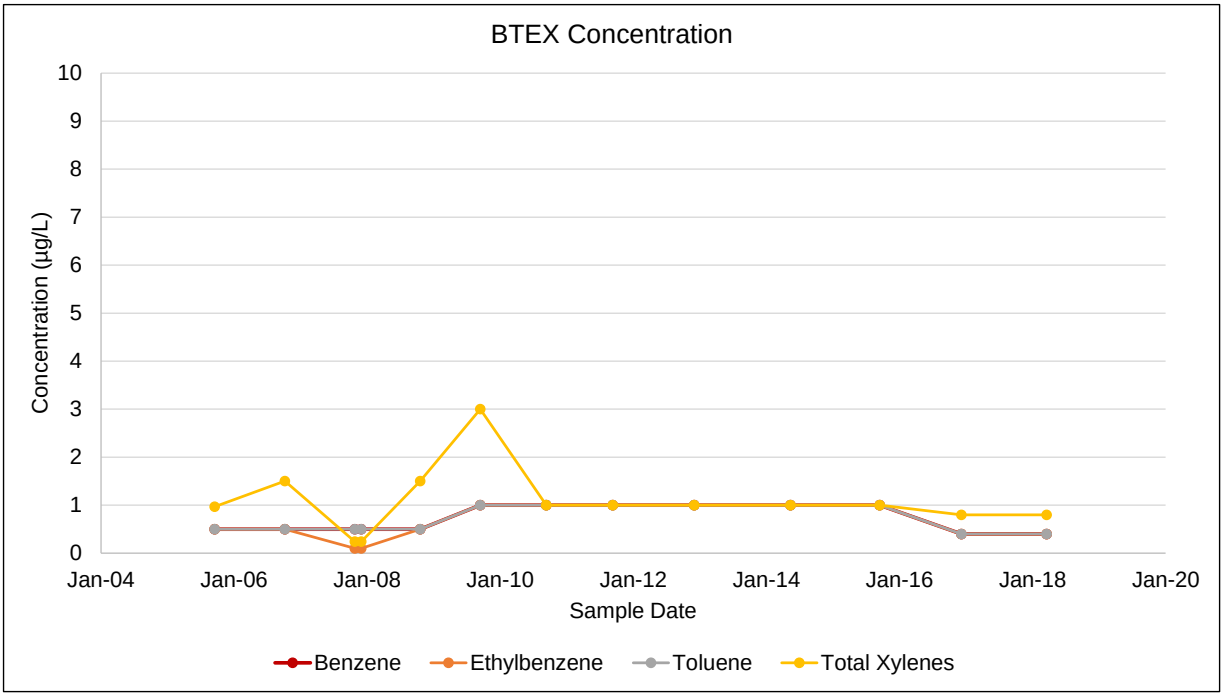
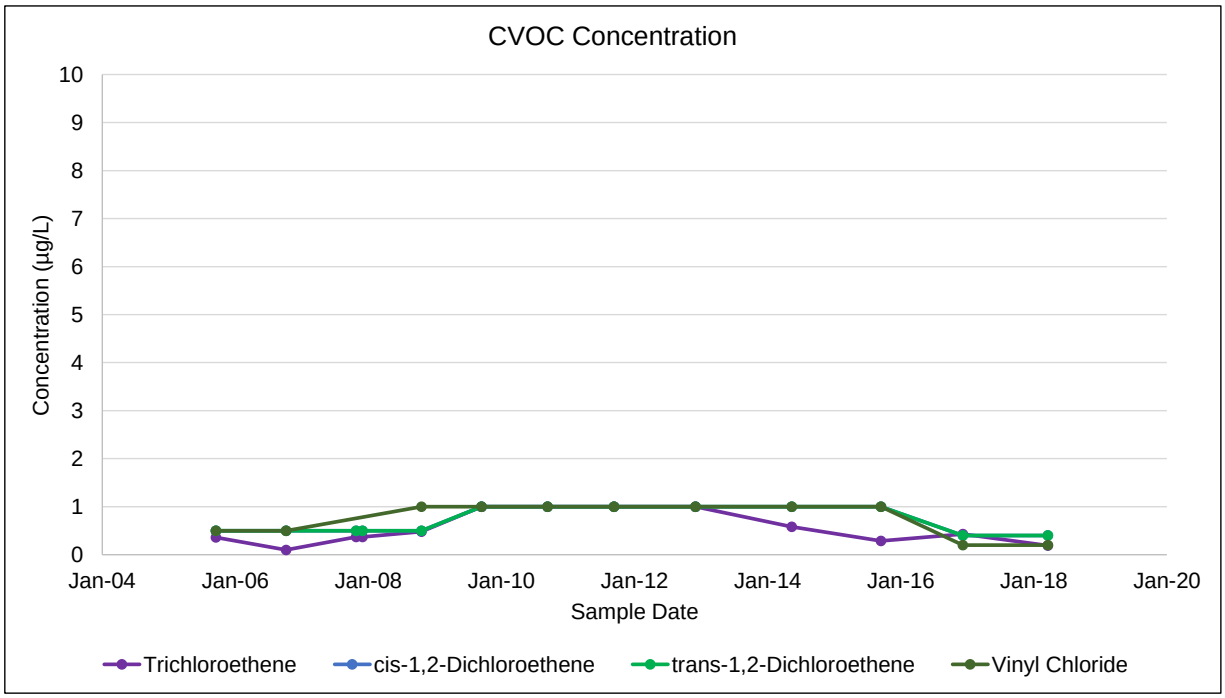
Plattsburgh, New York
FT002 - Industrial Area Groundwater Operable Unit

MW-GWOU-27

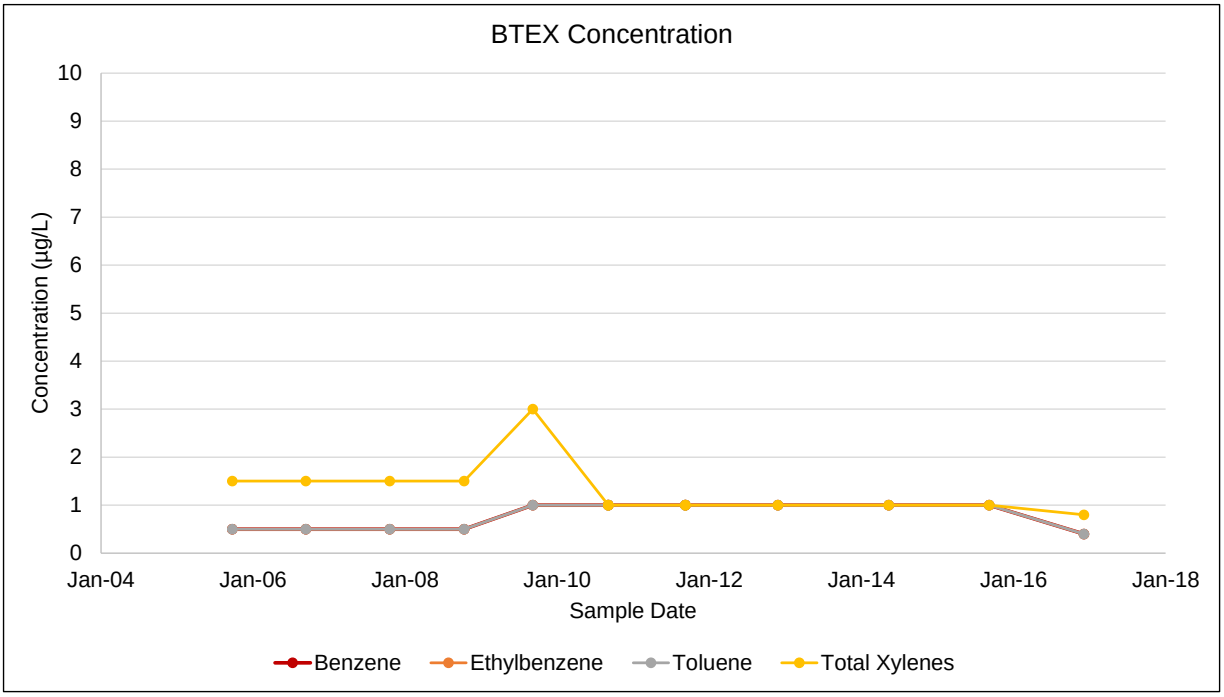


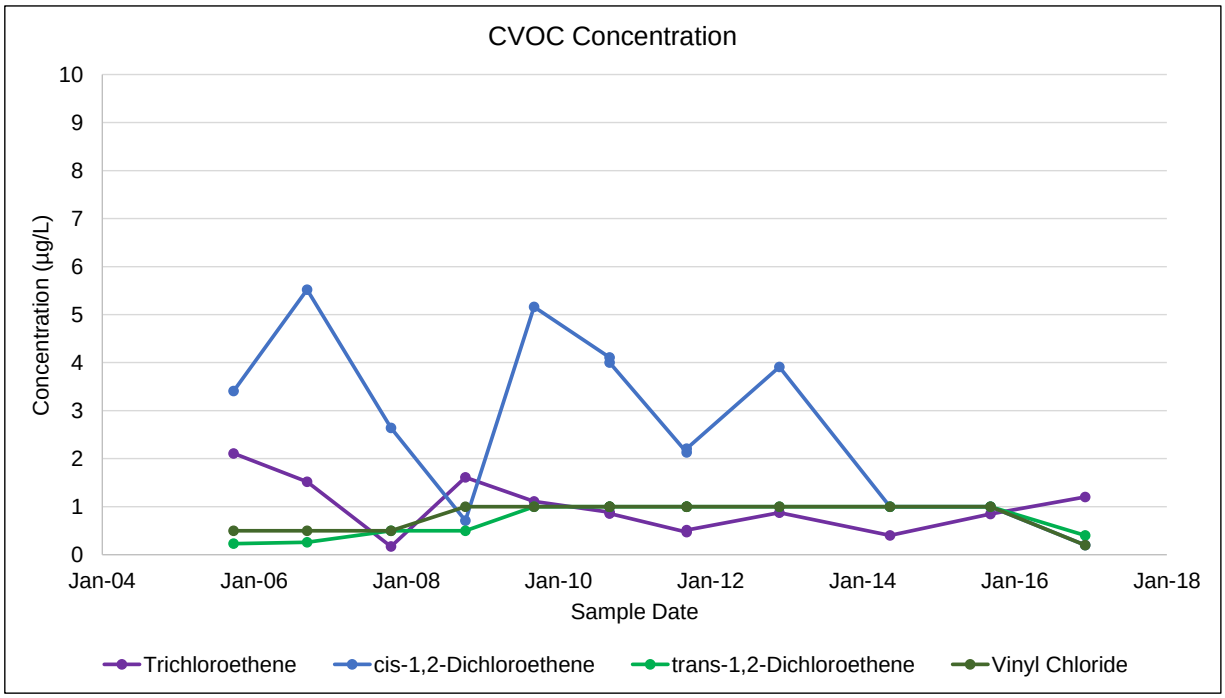


Notes:
µg/L: micrograms per liter
BTEX: benzene, toluene, ethylbenzene and total xylenes
CVOC: chlorinated volatile organic compound
Non-detect sample results are presented as half the reporting limit

Former Plattsburgh Air Force Base
Plattsburgh, New York
FT002 - Industrial Area Groundwater Operable Unit

MW-GWOU-28





Notes:
µg/L: micrograms per liter
BTEX: benzene, toluene, ethylbenzene and total xylenes
CVOC: chlorinated volatile organic compound
Non-detect sample results are presented as half the reporting limit

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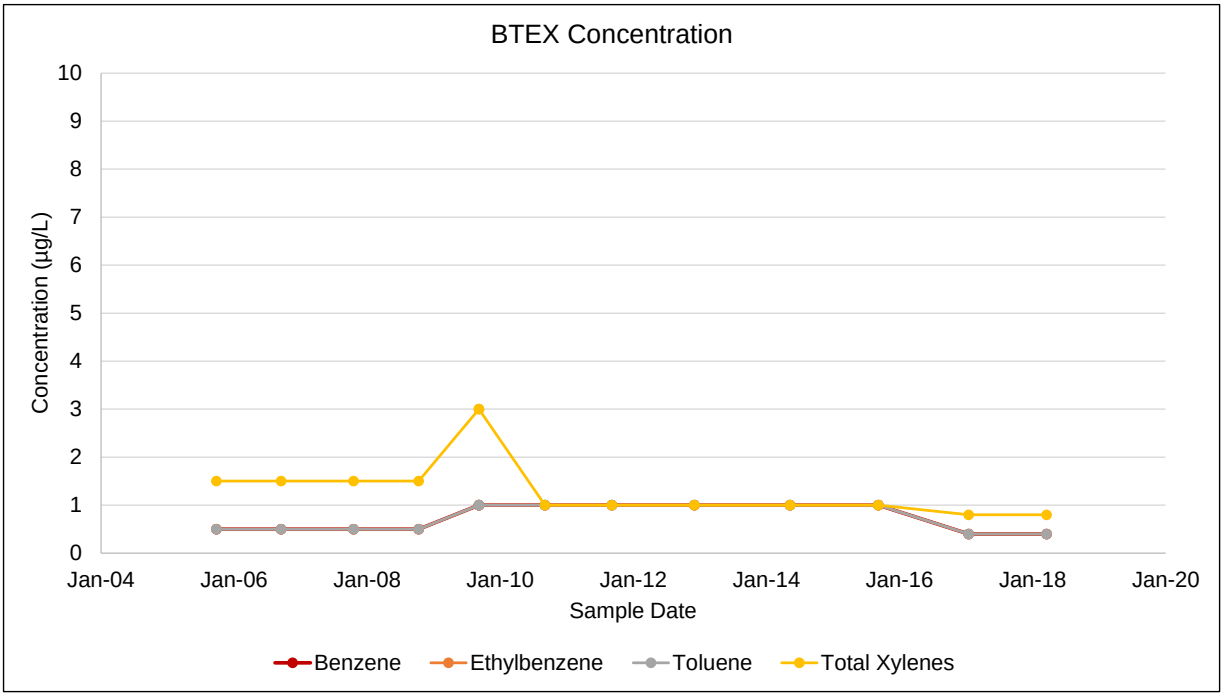
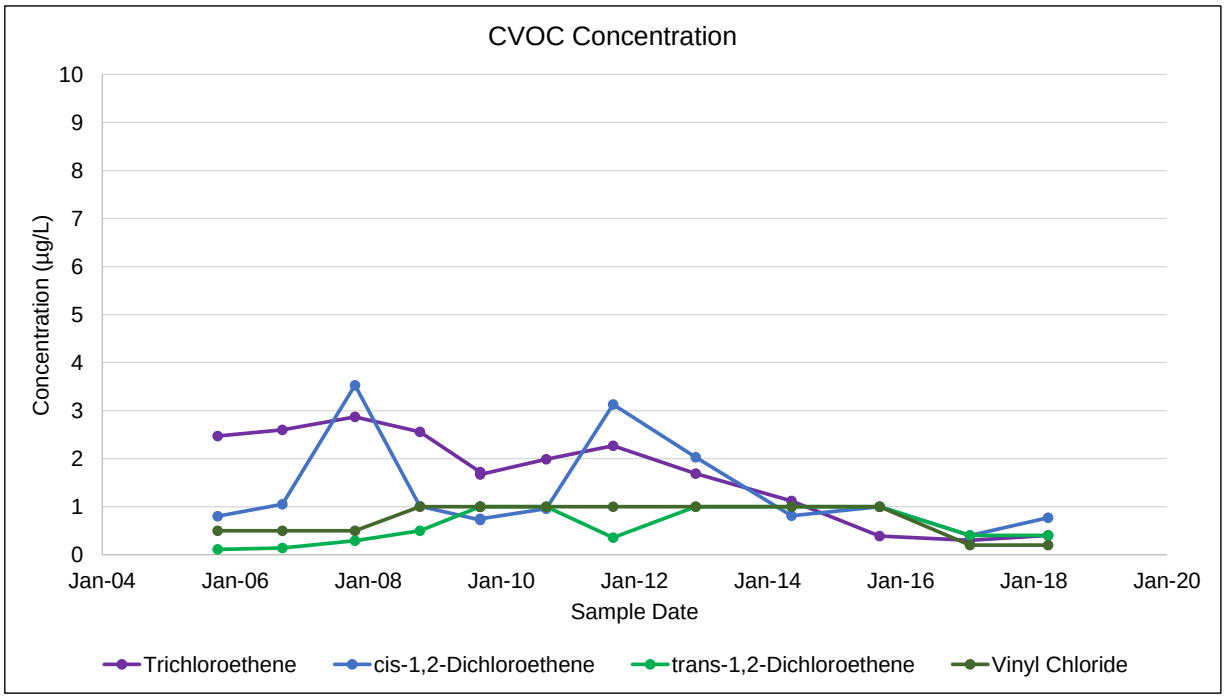
FT002 - Industrial Area Groundwater Operable Unit

MW-GWOU-32





Notes:
µg/L: micrograms per liter
BTEX: benzene, toluene, ethylbenzene and total xylenes
CVOC: chlorinated volatile organic compound
Non-detect sample results are presented as half the reporting limit

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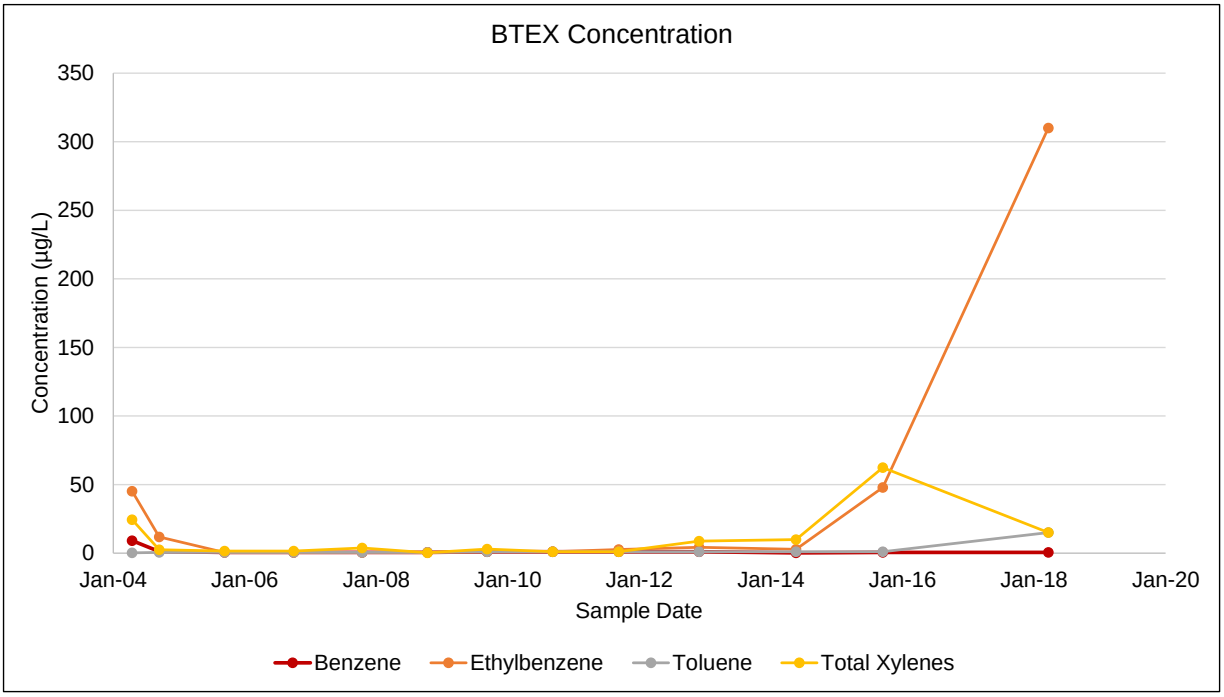
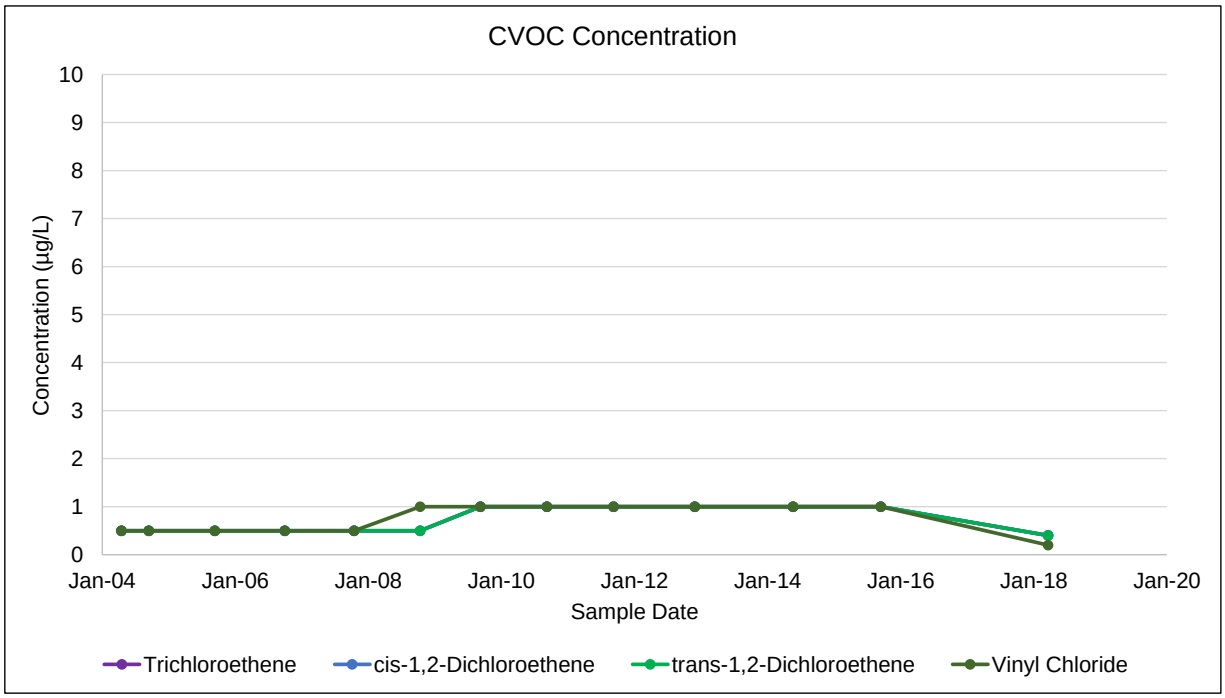
FT002 - Industrial Area Groundwater Operable Unit

MW-PH3-E6

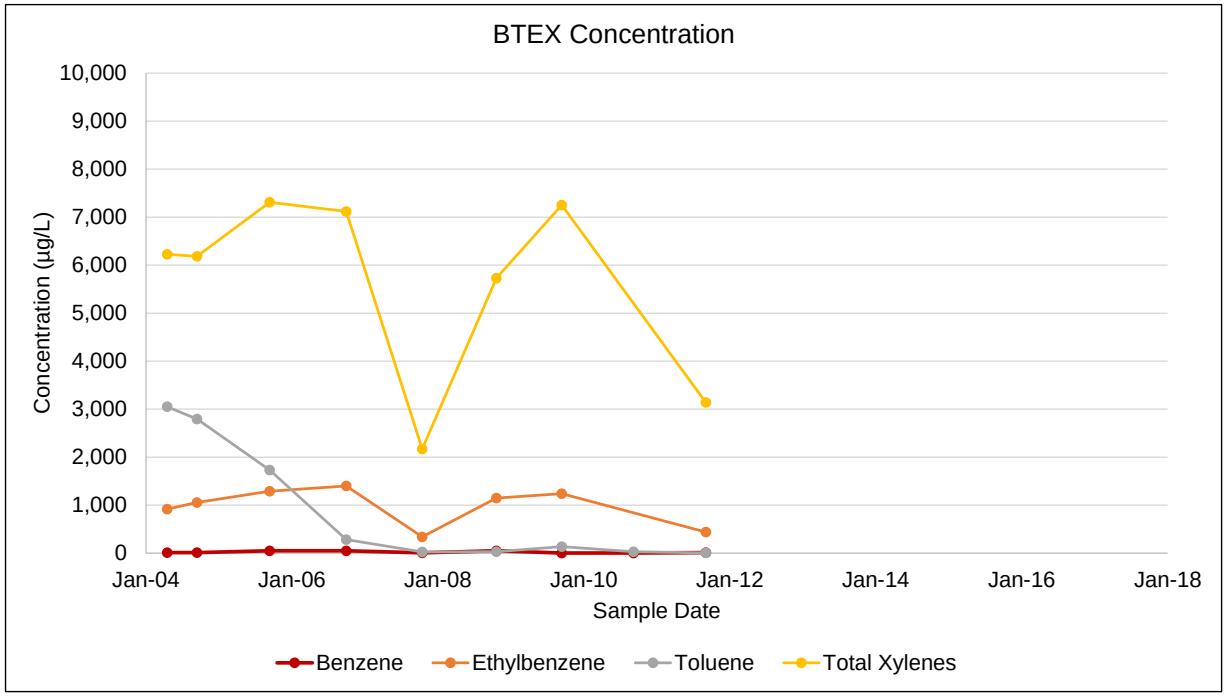


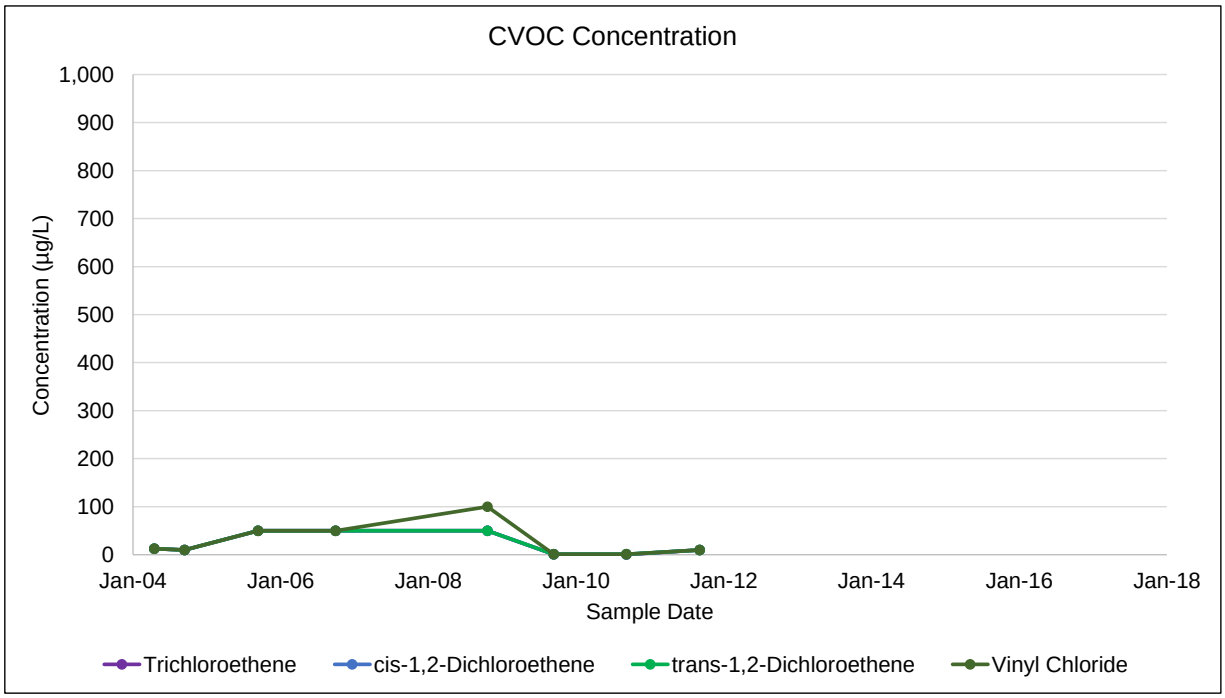


Notes:
µg/L: micrograms per liter
BTEX: benzene, toluene, ethylbenzene and total xylenes
CVOC: chlorinated volatile organic compound
Non-detect sample results are presented as half the reporting limit

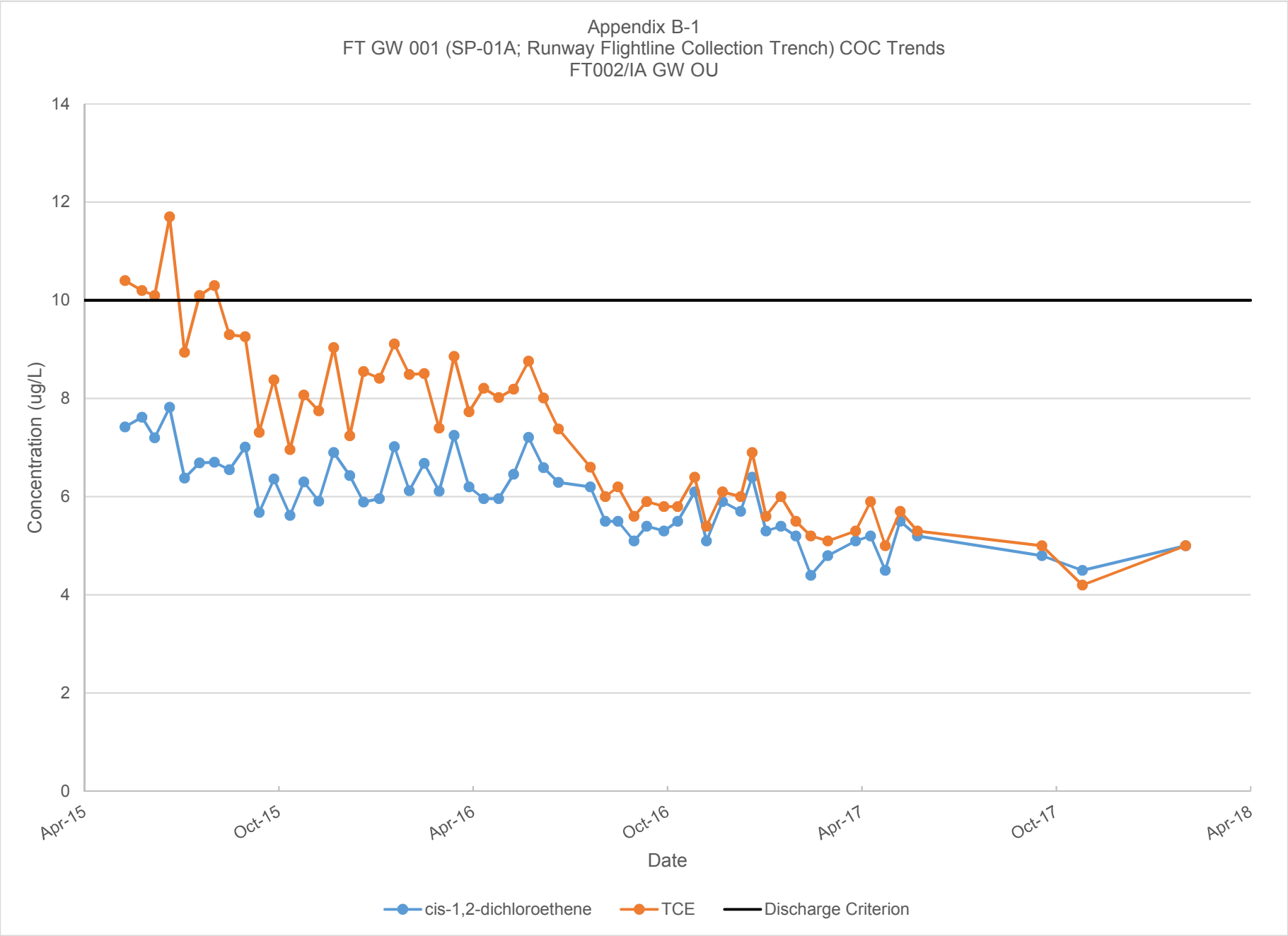
Former Plattsburgh Air Force Base
Plattsburgh, New York
FT002 - Industrial Area Groundwater Operable Unit

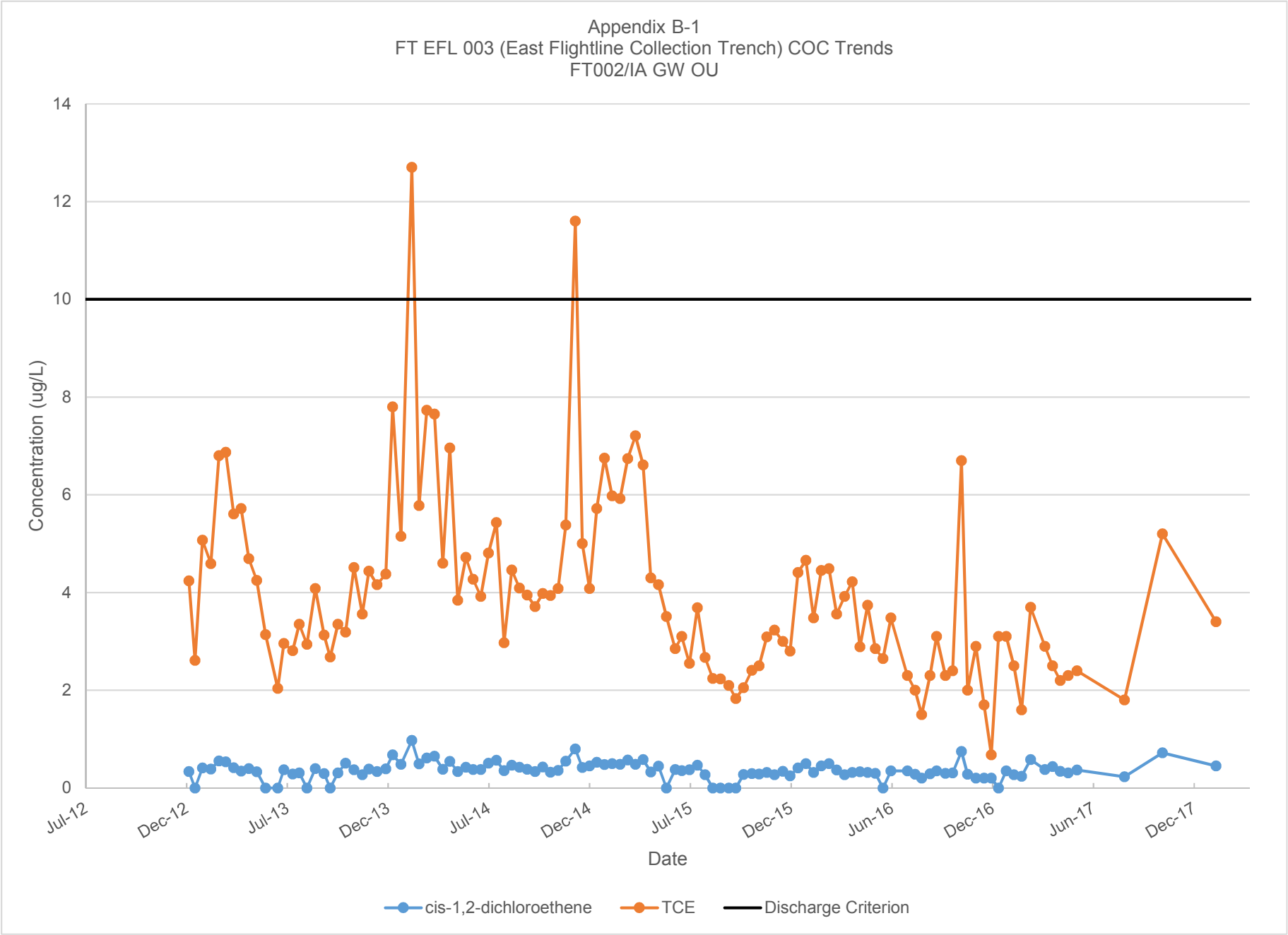
MW-PH3-G5

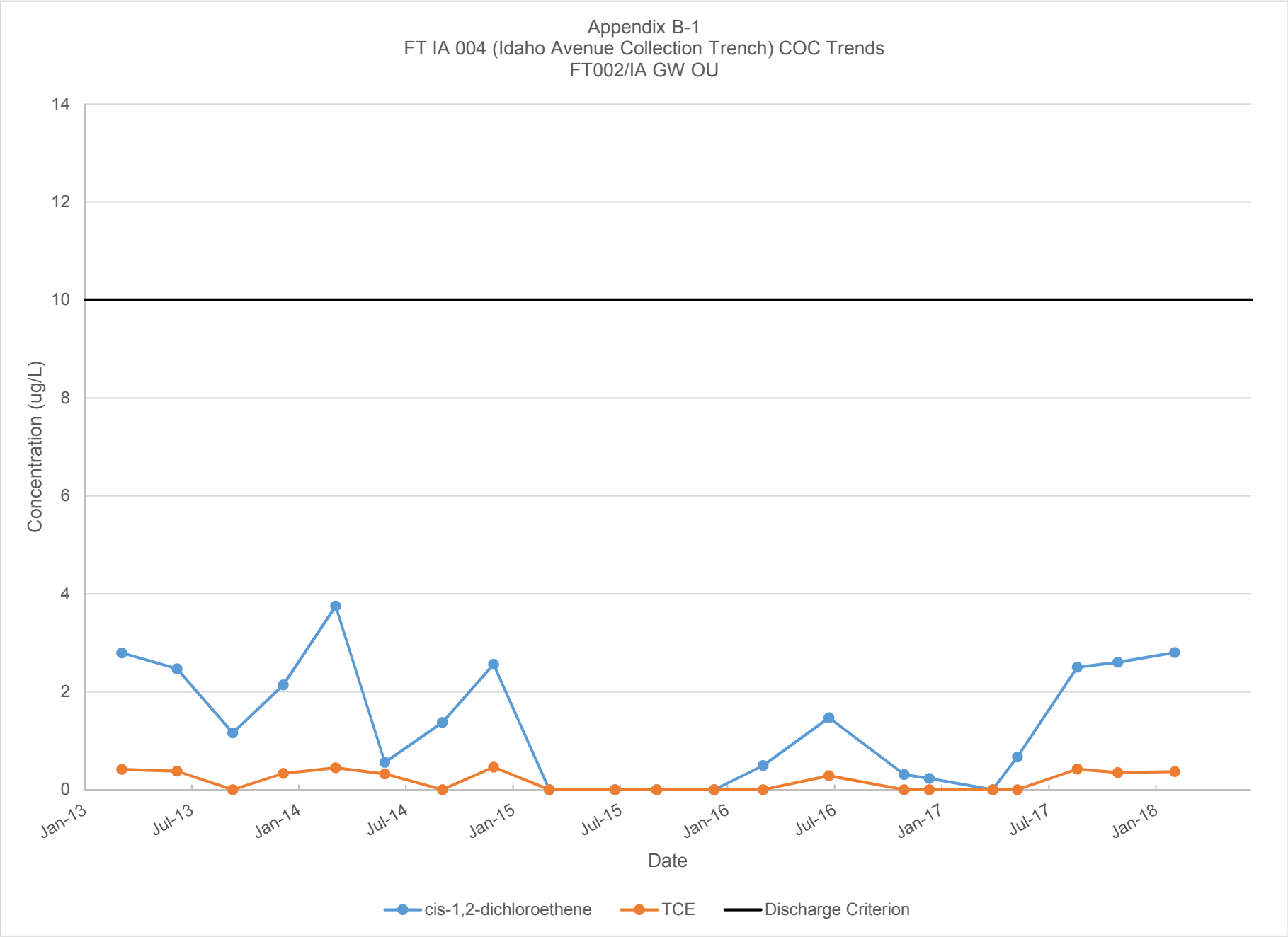




Notes:
µg/L: micrograms per liter
BTEX: benzene, toluene, ethylbenzene and total xylenes
CVOC: chlorinated volatile organic compound
Non-detect sample results are presented as half the reporting limit


Appendix B-1
FT GW 001 (SP-01A; Runway Flightline Collection Trench) COC Trends
FT002/IA GW OU
Concentration (ug/L)
14
12
10
8
6
4
2
0
Apr-15
Oct-15
Apr-16
Oct-16
Apr-17
Oct-17
Apr-18
Date
cis-1,2-dichloroethene
TCE
Discharge Criterion


Appendix B-1
FT EFL 003 (East Flightline Collection Trench) COC Trends
FT002/IA GW OU
Concentration (ug/L)
14
12
10
8
6
4
2
0
Jul-12
Dec-12
Jul-13
Dec-13
Jul-14
Dec-14
Jul-15
Dec-15
Jun-16
Dec-16
Jun-17
Dec-17
Date
cis-1,2-dichloroethene
TCE
Discharge Criterion


Appendix B-1
FT IA 004 (Idaho Avenue Collection Trench) COC Trends
FT002/IA GW OU
Concentration (ug/L)
14
12
10
8
6
4
2
0
Jan-13
Jul-13
Jan-14
Jul-14
Jan-15
Jul-15
Jan-16
Jul-16
Jan-17
Jul-17
Jan-18
Date
cis-1,2-dichloroethene
TCE
Discharge Criterion

APPENDIX B-2

Site SS013

Appendix B-2
Groundwater Analytical Data, Site SS013
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

	Location	MW-13-001	MW-13-001	MW-13-001	MW-13-001	MW-13-001	MW-13-001	MW-13-001	MW-13-001	MW-13-002	MW-13-002	MW-13-002	MW-13-002	MW-13-002	MW-13-002	MW-13-002	MW-13-002	MW-13-003	MW-13-003	MW-13-003	MW-13-003
	Sample Date	12/9/1987	1/7/1994	2/16/1994	10/3/1995	8/15/2002	9/23/2004	9/21/2005	10/12/2006	12/9/1987	9/18/1991	10/3/1995	8/15/2002	9/23/2004	9/23/2004	9/21/2005	10/12/2006	12/9/1987	1/7/1994	2/16/1994	10/3/1995
	Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N
Chemical	**Unit**																				
SVOCs																					
1,1-Biphenyl	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
1,2,4-Trimethylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
1,2-Dichloroethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
1,4-Dichlorobenzene	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
2,2-Oxybis(1-Chloropropane)	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
2,4,5-Trichlorophenol	ug/L	NA	< 25 U	< 25 U	NA	NA	NA	NA	NA	NA	< 50	NA	NA	NA	NA	NA	NA	NA	< 25 U	< 25 U	NA
2,4,6-Trichlorophenol	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
2,4-Dichlorophenol	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
2,4-Dimethylphenol	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
2,4-Dinitrophenol	ug/L	NA	< 25 U	< 25 U	NA	NA	NA	NA	NA	NA	< 50	NA	NA	NA	NA	NA	NA	NA	< 25 U	< 25 U	NA
2,4-Dinitrotoluene	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
2,6-Dinitrotoluene	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
2-Chloronaphthalene	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
2-Chlorophenol	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
2-Methyl-4,6-dinitrophenol	ug/L	NA	< 25 U	< 25 U	NA	NA	NA	NA	NA	NA	< 50	NA	NA	NA	NA	NA	NA	NA	< 25 U	< 25 U	NA
2-Methylnaphthalene	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
2-Methylphenol	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
2-Nitroaniline	ug/L	NA	< 25 U	< 25 U	NA	NA	NA	NA	NA	NA	< 50	NA	NA	NA	NA	NA	NA	NA	< 25 U	< 25 U	NA
2-Nitrophenol	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
3,3-Dichlorobenzidine	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 20	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
3-Nitroaniline	ug/L	NA	< 25 U	< 25 U	NA	NA	NA	NA	NA	NA	< 50	NA	NA	NA	NA	NA	NA	NA	< 25 U	< 25 U	NA
4-Bromophenyl phenyl ether	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
4-Chloro-3-Methylphenol	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
4-Chlorophenyl phenyl ether	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
4-Methylphenol	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
4-Nitroaniline	ug/L	NA	< 25 U	< 25 U	NA	NA	NA	NA	NA	NA	< 50	NA	NA	NA	NA	NA	NA	NA	< 25 U	< 25 U	NA
4-Nitrophenol	ug/L	NA	< 25 U	< 25 U	NA	NA	NA	NA	NA	NA	< 50	NA	NA	NA	NA	NA	NA	NA	< 25 U	< 25 U	NA
Acenaphthene	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
Acenaphthylene	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
Acetophenone	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
Atrazine	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Azobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzaldehyde	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzidine	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
Benzo(a)pyrene	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
Benzo(b)fluoranthene	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
Benzo(g,h,i)perylene	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
Benzo(k)fluoranthene	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
Benzoic Acid	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzyl Alcohol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
bis(2-Chloroethyl)ether	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
bis(2-Chloroisopropyl)ether	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	ug/L	NA	< 10 U	< 10 U*	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
Butyl benzyl phthalate	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
Caprolactam	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
Chrysene	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
Dibenzo(a,h)anthracene	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
Dibenzofuran	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
Dichloromethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethyl phthalate	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
Dimethyl phthalate	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
Di-n-butyl phthalate	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
Di-n-octyl phthalate	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
Diphenylamine	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
Fluorene	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
Hexachloro-1,3-butadiene	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
Hexachlorobenzene	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
Hexachlorocyclopentadiene	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
Hexachloroethane	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
Indeno(1,2,3-cd)pyrene	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA

Appendix B-2
Groundwater Analytical Data, Site SS013
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

	Location	MW-13-001	MW-13-001	MW-13-001	MW-13-001	MW-13-001	MW-13-001	MW-13-001	MW-13-001	MW-13-002	MW-13-002	MW-13-002	MW-13-002	MW-13-002	MW-13-002	MW-13-002	MW-13-002	MW-13-003	MW-13-003	MW-13-003	MW-13-003
	Sample Date	12/9/1987	1/7/1994	2/16/1994	10/3/1995	8/15/2002	9/23/2004	9/21/2005	10/12/2006	12/9/1987	9/18/1991	10/3/1995	8/15/2002	9/23/2004	9/23/2004	9/21/2005	10/12/2006	12/9/1987	1/7/1994	2/16/1994	10/3/1995
	Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N
Chemical	**Unit**																				
Isophorone	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
Naphthalene	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
Nitrobenzene	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
N-Nitrosodi-n-propylamine	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
N-Nitrosodiphenylamine	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
N-Nitroso-N-methylethylamine	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Chloroaniline	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
Pentachlorophenol	ug/L	NA	< 25 U	< 25 U	NA	NA	NA	NA	NA	NA	< 50	NA	NA	NA	NA	NA	NA	NA	< 25 U	< 25 U	NA
Phenanthrene	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
Phenol	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
Pyrene	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
Toluene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Xylenes	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs																					
1,1,1,2-Tetrachloroethane	ug/L	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	ug/L	NA	< 10 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 1	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 10 U	< 0.5 U	< 0.5 U
1,1,2,2-Tetrachloroethane	ug/L	NA	< 10 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 1	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 10 U	< 0.5 U	< 0.5 U
1,1,2-trichloro-1,2,2-trifluoroethane	ug/L	NA	NA	NA	NA	< 0.5 U	< 0.5 U	< 0.5 U	R	NA	NA	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	R	NA	NA	NA	NA
1,1,2-Trichloroethane	ug/L	NA	< 10 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 1	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 10 U	< 0.5 U	< 0.5 U
1,1-Dichloroethane	ug/L	NA	< 10 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 1	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 10 U	< 0.5 U	< 0.5 U
1,1-Dichloroethene	ug/L	NA	< 10 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 1	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 10 U	< 0.5 U	< 0.5 U
1,1-Dichloropropene	ug/L	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	ug/L	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	ug/L	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	ug/L	NA	NA	NA	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	NA	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	NA	NA	NA
1,2,4-Trimethylbenzene	ug/L	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	ug/L	NA	NA	NA	NA	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	NA
1,2-Dibromoethane	ug/L	NA	NA	NA	NA	< 1 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	NA	NA	< 1 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	NA	NA	NA
1,2-Dichlorobenzene	ug/L	NA	NA	NA	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	NA	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	NA	NA	NA
1,2-Dichloroethane	ug/L	NA	< 10 U	**2.2**	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 1	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 10 U	**2.1**	< 0.5 U
1,2-Dichloroethene, Total	ug/L	< 5	< 10 U	< 0.5 U	**0.8**	NA	NA	NA	NA	< 5	< 1	< 0.5 U	NA	NA	NA	NA	NA	< 5	< 10 U	< 0.5 U	< 0.5 U
1,2-Dichloropropane	ug/L	< 5	< 10 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5	< 1	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5	< 10 U	< 0.5 U	< 0.5 U
1,3,5-Trimethylbenzene	ug/L	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	ug/L	NA	NA	NA	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	NA	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	NA	NA	NA
1,3-Dichloropropane	ug/L	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	ug/L	NA	NA	NA	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	NA	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	NA	NA	NA
1-Chlorohexane	ug/L	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA
2,2-Dichloropropane	ug/L	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	ug/L	< 10	< 10 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 10	NA	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	**59**	< 10 U	< 5 U	< 5 U
2-Chlorotoluene	ug/L	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorotoluene	ug/L	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	ug/L	< 10	< 10 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 10	< 2	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 10	< 10 U	< 5 U	< 5 U
Acetone	ug/L	< 10	< 10 U	**34**	< 5 U	< 10 U	< 5 U	< 5 U	< 5 U	< 10	< 2	< 5 U	< 10 U	< 5 U	< 5 U	< 5 U	< 5 U	< 10	< 10 U	< 5 U	< 5 U
Benzene	ug/L	< 5	< 10 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5	< 1	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5	< 10 U	< 0.5 U	< 0.5 U
Bromobenzene	ug/L	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA
Bromochloromethane	ug/L	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	ug/L	< 5	< 10 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5	< 1	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5	< 10 U	< 0.5 U	< 0.5 U
Bromoform	ug/L	NA	< 10 U	< 0.5 U	< 0.5 U	< 1 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 1	< 0.5 U	< 1 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 10 U	< 0.5 U	< 0.5 U
Bromomethane	ug/L	NA	< 10 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 2	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 10 U	< 0.5 U	< 0.5 U
Carbon Disulfide	ug/L	NA	< 10 U	< 0.5 U	< 0.5 U	< 5 U	< 0.5 U	< 0.5 U	R	NA	< 1	< 0.5 U	< 5 U	< 0.5 U	< 0.5 U	< 0.5 U	R	NA	< 10 U	< 0.5 U	< 0.5 U
Carbon Tetrachloride	ug/L	NA	< 10 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 1	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 10 U	< 0.5 U	< 0.5 U
CFC-11	ug/L	NA	NA	NA	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	NA	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	NA	NA	NA
CFC-12	ug/L	NA	NA	NA	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	NA	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	NA	NA	NA
Chlorobenzene	ug/L	< 5	< 10 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5	< 1	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5	< 10 U	< 0.5 U	< 0.5 U
Chlorodibromomethane	ug/L	NA	< 10 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 1	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 10 U	< 0.5 U	< 0.5 U
Chloroethane	ug/L	NA	< 10 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	R	NA	< 2	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	R	NA	< 10 U	< 0.5 U	< 0.5 U
Chloroform	ug/L	< 5	< 10 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5	< 1	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5	< 10 U	< 0.5 U	< 0.5 U
Chloromethane	ug/L	NA	< 10 U	**3.7**	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 2	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 10 U	**2.8**	< 0.5 U
cis-1,2-Dichloroethene	ug/L	NA	NA	NA	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	NA	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	NA	NA	NA
cis-1,3-Dichloropropene	ug/L	NA	< 10 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 1	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 10 U	< 0.5 U	< 0.5 U
Cyclohexane	ug/L	NA	NA	NA	NA	< 0.5 U	< 0.5 U	< 0.5 U	R	NA	NA	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	R	NA	NA	NA	NA
Cymene (p-Isopropyltoluene)	ug/L	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA
Dibromomethane	ug/L	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA
Dichloromethane	ug/L	< 5	< 10 U*	< 0.5 U	< 0.5 U	< 1 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5	**1**	< 0.5 U	< 1 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	**1.7**	< 10 U*	< 0.5 U	< 0.5 U
Ethylbenzene	ug/L	< 5	< 10 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5	< 1	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5	< 10 U	< 0.5 U	< 0.5 U
Hexachloro-1,3-butadiene	ug/L	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	ug/L	NA	NA	NA	NA	< 1 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	NA	NA	< 1 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	NA	NA	NA
m&p-Xylenes	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	ug/L	NA	NA	NA	NA	< 5 U	< 5 U	< 5 U	< 3 U	NA	NA	NA	< 5 U	< 5 U	< 5 U	< 5 U	< 3 U	NA	NA	NA	NA
Methyl N-Butyl Ketone (2-Hexanone)	ug/L	< 10	< 10 U	< 5 U	< 5 U	< 5 U	< 5 UM	< 5 U	< 5 U	< 10	NA	< 5 U	< 5 U	< 5 UM	< 5 UM	< 5 U	< 5 U	< 10	< 10 U	< 5 U	< 5 U

Appendix B-2
Groundwater Analytical Data, Site SS013
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

	Location	MW-13-001	MW-13-001	MW-13-001	MW-13-001	MW-13-001	MW-13-001	MW-13-001	MW-13-001	MW-13-002	MW-13-002	MW-13-002	MW-13-002	MW-13-002	MW-13-002	MW-13-002	MW-13-002	MW-13-003	MW-13-003	MW-13-003	MW-13-003
	Sample Date	12/9/1987	1/7/1994	2/16/1994	10/3/1995	8/15/2002	9/23/2004	9/21/2005	10/12/2006	12/9/1987	9/18/1991	10/3/1995	8/15/2002	9/23/2004	9/23/2004	9/21/2005	10/12/2006	12/9/1987	1/7/1994	2/16/1994	10/3/1995
	Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N
Chemical	**Unit**																				
Methylcyclohexane	ug/L	NA	NA	NA	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	NA	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	NA	NA	NA
Methyl-tert-butylether	ug/L	NA	NA	NA	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	NA	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	NA	NA	NA
Naphthalene	ug/L	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA
n-Butylbenzene	ug/L	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	ug/L	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	ug/L	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	ug/L	NA	< 10 U	< 0.5 U	< 0.5 U	< 1 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 1	< 0.5 U	< 1 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 10 U	< 0.5 U	< 0.5 U
tert-Butylbenzene	ug/L	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	ug/L	< 5	< 10 U	< 0.5 U	< 0.5 U	< 1 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5	< 1	< 0.5 U	< 1 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5	< 10 U	< 0.5 U	< 0.5 U
Toluene	ug/L	< 5	< 10 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5	< 1	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5	< 10 U	< 0.5 U	< 0.5 U
Total Xylenes	ug/L	< 5	< 10 U	< 0.5 U	< 0.5 U	< 0.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 5	< 1	< 0.5 U	< 0.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 5	< 10 U	< 0.5 U	< 0.5 U
trans-1,2-Dichloroethene	ug/L	NA	NA	NA	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	NA	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	NA	NA	NA
trans-1,3-Dichloropropene	ug/L	NA	< 10 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 1	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 10 U	< 0.5 U	< 0.5 U
Trichloroethene	ug/L	< 5	< 10 U	< 0.5 U	**18**	**6.5**	**3.3**	**1.69**	**1.36**	< 5	< 1	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5	< 10 U	< 0.5 U	< 0.5 U
Vinyl chloride	ug/L	< 10	< 10 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 10	< 2	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 10	< 10 U	< 0.5 U	< 0.5 U

Appendix B-2
Groundwater Analytical Data, Site SS013
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

	Location	MW-13-004	MW-13-004	MW-13-004	MW-13-004	MW-13-005	MW-13-005	MW-13-005	MW-13-005	MW-13-006	MW-13-006	MW-13-006	MW-13-007	MW-13-007	MW-13-007	MW-13-007	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008
	Sample Date	12/9/1987	1/7/1994	2/16/1994	10/3/1995	12/9/1987	10/5/1995	8/27/2002	8/27/2002	1/6/1994	2/16/1994	10/3/1995	1/6/1994	1/6/1994	2/16/1994	10/3/1995	1/6/1994	2/16/1994	10/3/1995	8/15/2002	3/20/2003
	Sample Type	N	N	N	N	N	N	N	FD	N	N	N	N	FR	N	N	N	N	N	N	N
Chemical	**Unit**																				
SVOCs																					
1,1-Biphenyl	ug/L	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**20.1**	NA
1,2,4-Trichlorobenzene	ug/L	NA	< 10 U	< 10 U	NA	< 20	NA	NA	NA	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	< 10 U	< 10 U	NA	NA	NA
1,2,4-Trimethylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	ug/L	NA	< 10 U	< 10 U	NA	< 20	NA	NA	NA	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	< 10 U	< 10 U	NA	NA	NA
1,2-Dichloroethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	ug/L	NA	< 10 U	< 10 U	NA	< 20	NA	NA	NA	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	< 10 U	< 10 U	NA	NA	NA
1,4-Dichlorobenzene	ug/L	NA	< 10 U	< 10 U	NA	< 20	NA	NA	NA	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	< 10 U	< 10 U	NA	NA	NA
2,2-Oxybis(1-Chloropropane)	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	< 10 U	< 10 U	NA	NA	NA
2,4,5-Trichlorophenol	ug/L	NA	< 25 U	< 25 U	NA	NA	NA	< 25 U	< 25 U	NA	< 25 U	NA	< 25 U	< 25 U	< 25 U	NA	< 25 U	< 25 U	NA	< 25 U	NA
2,4,6-Trichlorophenol	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	< 10 U	< 10 U	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	< 10 U	< 10 U	NA	< 10 U	NA
2,4-Dichlorophenol	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	< 10 U	< 10 U	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	< 10 U	< 10 U	NA	< 10 U	NA
2,4-Dimethylphenol	ug/L	NA	< 10 U	< 10 U	NA	< 20	NA	R	R	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	< 10 U	**430 D**	NA	**197 J**	NA
2,4-Dinitrophenol	ug/L	NA	< 25 U	< 25 U	NA	NA	NA	< 25 U	< 25 U	NA	< 25 U	NA	< 25 U	< 25 U	< 25 U	NA	< 25 U	< 25 U	NA	< 25 U	NA
2,4-Dinitrotoluene	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	< 10 U	< 10 U	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	< 10 U	< 10 U	NA	< 10 U	NA
2,6-Dinitrotoluene	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	< 10 U	< 10 U	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	< 10 U	< 10 U	NA	< 10 U	NA
2-Chloronaphthalene	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	< 10 U	< 10 U	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	< 10 U	< 10 U	NA	< 10 U	NA
2-Chlorophenol	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	< 10 U	< 10 U	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	< 10 U	< 10 U	NA	< 10 U	NA
2-Methyl-4,6-dinitrophenol	ug/L	NA	< 25 U	< 25 U	NA	NA	NA	< 25 U	< 25 U	NA	< 25 U	NA	< 25 U	< 25 U	< 25 U	NA	< 25 U	< 25 U	NA	< 25 U	NA
2-Methylnaphthalene	ug/L	NA	< 10 U	< 10 U	NA	< 20	NA	< 10 U	< 10 U	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	< 10 U	**72**	NA	**307 J**	NA
2-Methylphenol	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	< 10 U	< 10 U	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	< 10 U	< 10 U	NA	< 10 U	NA
2-Nitroaniline	ug/L	NA	< 25 U	< 25 U	NA	NA	NA	< 25 U	< 25 U	NA	< 25 U	NA	< 25 U	< 25 U	< 25 U	NA	< 25 U	< 25 U	NA	< 25 U	NA
2-Nitrophenol	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	< 15 U	< 15 U	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	< 10 U	< 10 U	NA	< 15 U	NA
3,3-Dichlorobenzidine	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	< 20 U	< 20 U	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	< 10 U	< 10 U	NA	< 20 U	NA
3-Nitroaniline	ug/L	NA	< 25 U	< 25 U	NA	NA	NA	< 25 U	< 25 U	NA	< 25 U	NA	< 25 U	< 25 U	< 25 U	NA	< 25 U	< 25 U	NA	< 25 U	NA
4-Bromophenyl phenyl ether	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	< 10 U	< 10 U	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	< 10 U	< 10 U	NA	< 10 U	NA
4-Chloro-3-Methylphenol	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	< 10 U	< 10 U	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	**330 D**	< 10 U	NA	< 10 U	NA
4-Chlorophenyl phenyl ether	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	< 10 U	< 10 U	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	< 10 U	< 10 U	NA	< 10 U	NA
4-Methylphenol	ug/L	NA	< 10 U	< 10 U	NA	< 20	NA	< 10 U	< 10 U	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	< 10 U	< 10 U	NA	< 10 U	NA
4-Nitroaniline	ug/L	NA	< 25 U	< 25 U	NA	NA	NA	< 25 U	< 25 U	NA	< 25 U	NA	< 25 U	< 25 U	< 25 U	NA	< 25 U	< 25 U	NA	< 25 U	NA
4-Nitrophenol	ug/L	NA	< 25 U	< 25 U	NA	NA	NA	< 25 U	< 25 U	NA	< 25 U	NA	< 25 U	< 25 U	< 25 U	NA	< 25 U	< 25 U	NA	< 25 U	NA
Acenaphthene	ug/L	NA	< 10 U	< 10 U	NA	< 20	NA	< 10 U	< 10 U	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	**120 D**	**77**	NA	**106 J**	NA
Acenaphthylene	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	< 10 U	< 10 U	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	< 10 U	**2 J**	NA	< 10 U	NA
Acetophenone	ug/L	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10 U	NA
Anthracene	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	< 10 U	< 10 U	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	< 10 U	< 10 U	NA	**2.67 F**	NA
Atrazine	ug/L	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10 U	NA
Azobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzaldehyde	ug/L	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10 U	NA
Benzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzidine	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	ug/L	NA	< 10 U	< 10 U	NA	< 20	NA	< 10 U	< 10 U	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	< 10 U	< 10 U	NA	< 10 U	NA
Benzo(a)pyrene	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	< 10 U	< 10 U	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	< 10 U	< 10 U	NA	< 10 U	NA
Benzo(b)fluoranthene	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	< 10 U	< 10 U	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	< 10 U	< 10 U	NA	< 10 U	NA
Benzo(g,h,i)perylene	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	< 10 U	< 10 U	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	< 10 U	< 10 U	NA	< 10 U	NA
Benzo(k)fluoranthene	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	< 10 U	< 10 U	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	< 10 U	< 10 U	NA	< 10 U	NA
Benzoic Acid	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzyl Alcohol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	< 10 U	< 10 U	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	< 10 U	< 10 U	NA	< 10 U	NA
bis(2-Chloroethyl)ether	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	< 10 U	< 10 U	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	< 10 U	< 10 U	NA	< 10 U	NA
bis(2-Chloroisopropyl)ether	ug/L	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10 U	NA
bis(2-Ethylhexyl)phthalate	ug/L	NA	< 10 U	< 10 U*	NA	**3.8**	NA	< 15 U	< 15 U	NA	< 10 U*	NA	< 10 U	< 10 U	< 10 U*	NA	< 10 U	< 10 U*	NA	< 15 U	NA
Butyl benzyl phthalate	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	< 15 U	< 15 U	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	< 10 U	< 10 U	NA	< 15 U	NA
Caprolactam	ug/L	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10 U	NA
Carbazole	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	< 20 U	< 20 U	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	**53**	**39**	NA	**60**	NA
Chrysene	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	< 10 U	< 10 U	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	< 10 U	< 10 U	NA	< 10 U	NA
Dibenzo(a,h)anthracene	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	< 10 U	< 10 U	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	< 10 U	< 10 U	NA	< 10 U	NA
Dibenzofuran	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	< 10 U	< 10 U	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	**33**	**32**	NA	**44.6**	NA
Dichloromethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethyl phthalate	ug/L	NA	< 10 U	< 10 U	NA	< 20	NA	< 10 U	< 10 U	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	< 10 U	< 10 U	NA	< 10 U	NA
Dimethyl phthalate	ug/L	NA	< 10 U	< 10 U	NA	< 20	NA	< 10 U	< 10 U	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	< 10 U	< 10 U	NA	< 10 U	NA
Di-n-butyl phthalate	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	< 10 U	< 10 U	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	< 10 U	< 10 U	NA	< 10 U	NA
Di-n-octyl phthalate	ug/L	NA	< 10 U	< 10 U	NA	< 20	NA	< 15 U	< 15 U	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	< 10 U	< 10 U	NA	< 15 U	NA
Diphenylamine	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	ug/L	NA	< 10 U	< 10 U	NA	< 20	NA	< 10 U	< 10 U	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	< 10 U	< 10 U	NA	< 10 U	NA
Fluorene	ug/L	NA	< 10 U	< 10 U	NA	< 20	NA	< 10 U	< 10 U	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	**22**	**22**	NA	**31.3**	NA
Hexachloro-1,3-butadiene	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	< 10 U	< 10 U	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	< 10 U	< 10 U	NA	< 10 U	NA
Hexachlorobenzene	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	< 10 U	< 10 U	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	< 10 U	< 10 U	NA	< 10 U	NA
Hexachlorocyclopentadiene	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	< 10 UM	< 10 UM	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	< 10 U	< 10 U	NA	< 10 UM	NA
Hexachloroethane	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	< 10 U	< 10 U	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	< 10 U	< 10 U	NA	< 10 U	NA
Indeno(1,2,3-cd)pyrene	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	< 10 U	< 10 U	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	< 10 U	< 10 U	NA	< 10 U	NA

Appendix B-2
Groundwater Analytical Data, Site SS013
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

Location		MW-13-004	MW-13-004	MW-13-004	MW-13-004	MW-13-005	MW-13-005	MW-13-005	MW-13-005	MW-13-006	MW-13-006	MW-13-006	MW-13-007	MW-13-007	MW-13-007	MW-13-007	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008
Sample Date		12/9/1987	1/7/1994	2/16/1994	10/3/1995	12/9/1987	10/5/1995	8/27/2002	8/27/2002	1/6/1994	2/16/1994	10/3/1995	1/6/1994	1/6/1994	2/16/1994	10/3/1995	1/6/1994	2/16/1994	10/3/1995	8/15/2002	3/20/2003
Sample Type		N	N	N	N	N	N	N	FD	N	N	N	N	FR	N	N	N	N	N	N	N
Chemical	**Unit**																				
Isophorone	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	< 10 U	< 10 U	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	< 10 U	< 10 U	NA	< 10 U	NA
Naphthalene	ug/L	NA	**5 J**	< 10 U	NA	< 20	NA	< 10 U	< 10 U	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	**2700 D**	**860 D**	NA	**2991**	NA
Nitrobenzene	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	< 10 U	< 10 U	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	< 10 U	< 10 U	NA	< 10 U	NA
N-Nitrosodi-n-propylamine	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	< 10 U	< 10 U	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	< 10 U	< 10 U	NA	< 10 U	NA
N-Nitrosodiphenylamine	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	< 10 U	< 10 U	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	< 10 U	< 10 U	NA	< 10 U	NA
N-Nitroso-N-methylethylamine	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Chloroaniline	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	< 25 U	< 25 U	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	< 10 U	< 10 U	NA	< 25 U	NA
Pentachlorophenol	ug/L	NA	< 25 U	< 25 U	NA	NA	NA	< 25 U	< 25 U	NA	< 25 U	NA	< 25 U	< 25 U	< 25 U	NA	< 25 U	< 25 U	NA	< 25 U	NA
Phenanthrene	ug/L	NA	< 10 U	< 10 U	NA	< 20	NA	< 10 U	< 10 U	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	< 10 U	**5 J**	NA	**12.3**	NA
Phenol	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	< 10 U	< 10 U	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	< 10 U	< 10 U	NA	< 10 U	NA
Pyrene	ug/L	NA	< 10 U	< 10 U	NA	< 20	NA	< 10 U	< 10 U	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	< 10 U	< 10 U	NA	< 10 U	NA
Toluene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Xylenes	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs																					
1,1,1,2-Tetrachloroethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 25 U
1,1,1-Trichloroethane	ug/L	NA	< 10 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 10 U	< 0.5 U	< 0.5 U	< 10 U	< 10 U	< 0.5 U	< 0.5 U	< 10 U	< 10 U	< 0.5 U	< 10 U	< 25 U
1,1,2,2-Tetrachloroethane	ug/L	NA	< 10 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 10 U	< 0.5 U	< 0.5 U	< 10 U	< 10 U	< 0.5 U	< 0.5 U	< 10 U	< 10 U	< 0.5 U	< 10 U	< 25 U
1,1,2-trichloro-1,2,2-trifluoroethane	ug/L	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 25 U
1,1,2-Trichloroethane	ug/L	NA	< 10 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 10 U	< 0.5 U	< 0.5 U	< 10 U	< 10 U	< 0.5 U	< 0.5 U	< 10 U	< 10 U	< 0.5 U	< 10 U	< 25 U
1,1-Dichloroethane	ug/L	NA	< 10 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 10 U	< 0.5 U	< 0.5 U	< 10 U	< 10 U	< 0.5 U	< 0.5 U	< 10 U	< 10 U	< 0.5 U	< 10 U	< 25 U
1,1-Dichloroethene	ug/L	NA	< 10 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 10 U	< 0.5 U	< 0.5 U	< 10 U	< 10 U	< 0.5 U	< 0.5 U	< 10 U	< 10 U	< 0.5 U	< 10 U	< 25 U
1,1-Dichloropropene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 50 U
1,2,3-Trichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 25 U
1,2,3-Trichloropropane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 25 U
1,2,4-Trichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 25 U
1,2,4-Trimethylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**15.85 F**
1,2-Dibromo-3-chloropropane	ug/L	NA	NA	NA	NA	NA	NA	< 1 U	< 1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20 U	< 50 U
1,2-Dibromoethane	ug/L	NA	NA	NA	NA	NA	NA	< 1 U	< 1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20 U	< 25 U
1,2-Dichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 25 U
1,2-Dichloroethane	ug/L	NA	< 10 U	**3.8**	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	**3 J**	**2.2**	< 0.5 U	**3 J**	**3 J**	**2.5**	< 0.5 U	**4 J**	< 10 U	< 0.5 U	< 10 U	< 25 U
1,2-Dichloroethene, Total	ug/L	< 5	< 10 U	< 0.5 U	< 0.5 U	< 5	< 0.5 U	NA	NA	< 10 U	< 0.5 U	< 0.5 U	< 10 U	< 10 U	< 0.5 U	< 0.5 U	< 10 U	**1 J**	**2.2**	NA	NA
1,2-Dichloropropane	ug/L	< 5	< 10 U	< 0.5 U	< 0.5 U	< 5	< 0.5 U	< 0.5 U	< 0.5 U	< 10 U	< 0.5 U	< 0.5 U	< 10 U	< 10 U	< 0.5 U	< 0.5 U	< 10 U	< 10 U	< 0.5 U	< 10 U	< 25 U
1,3,5-Trimethylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**16.1 F**
1,3-Dichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 25 U
1,3-Dichloropropane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 25 U
1,4-Dichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 25 U
1-Chlorohexane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 25 U
2,2-Dichloropropane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 25 U
2-Butanone (MEK)	ug/L	**170**	< 10 U	< 5 U	< 5 U	< 10	< 5 U	< 5 U	< 5 U	< 10 U	< 5 U	< 5 U	< 10 U	< 10 U	< 5 U	< 5 U	< 10 U	< 10 U	< 5 U	< 100 U	< 250 U
2-Chlorotoluene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 25 U
4-Chlorotoluene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 25 U
4-Methyl-2-Pentanone	ug/L	< 10	< 10 U	< 5 U	< 5 U	< 10	< 5 U	< 5 U	< 5 U	< 10 U	< 5 U	< 5 U	< 10 U	< 10 U	< 5 U	< 5 U	< 10 U	< 10 U	< 5 U	< 100 U	< 250 U
Acetone	ug/L	< 10	< 10 U	< 5 U	< 5 U	< 10	< 5 U	< 10 U	< 10 U	< 10 U	**6.8**	< 5 U	< 10 U	< 10 U	**19**	< 5 U	< 10 U	< 10 U	< 5 U	< 200 U	< 500 U
Benzene	ug/L	< 5	< 10 U	< 0.5 U	< 0.5 U	< 5	< 0.5 U	< 0.5 U	< 0.5 U	< 10 U	< 0.5 U	< 0.5 U	< 10 U	< 10 U	< 0.5 U	< 0.5 U	< 10 U	< 10 U	**4.1**	**3.62 F**	< 25 U
Bromobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 25 U
Bromochloromethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 25 U
Bromodichloromethane	ug/L	< 5	< 10 U	< 0.5 U	< 0.5 U	< 5	< 0.5 U	< 0.5 U	< 0.5 U	< 10 U	< 0.5 U	< 0.5 U	< 10 U	< 10 U	< 0.5 U	< 0.5 U	< 10 U	< 10 U	< 0.5 U	< 10 U	< 25 U
Bromoform	ug/L	NA	< 10 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 1 U	< 1 U	< 10 U	< 0.5 U	< 0.5 U	< 10 U	< 10 U	< 0.5 U	< 0.5 U	< 10 U	< 10 U	< 0.5 U	< 20 U	< 25 U
Bromomethane	ug/L	NA	< 10 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 10 U	< 0.5 U	< 0.5 U	< 10 U	< 10 U	< 0.5 U	< 0.5 U	< 10 U	< 10 U	< 0.5 U	< 10 U	< 25 U
Carbon Disulfide	ug/L	NA	< 10 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 5 U	< 5 U	< 10 U	< 0.5 U	< 0.5 U	< 10 U	< 10 U	< 0.5 U	< 0.5 U	< 10 U	< 10 U	< 0.5 U	< 100 U	< 25 U
Carbon Tetrachloride	ug/L	NA	< 10 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 10 U	< 0.5 U	< 0.5 U	< 10 U	< 10 U	< 0.5 U	< 0.5 U	< 10 U	< 10 U	< 0.5 U	< 10 U	< 25 U
CFC-11	ug/L	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 25 U
CFC-12	ug/L	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 25 U
Chlorobenzene	ug/L	< 5	< 10 U	< 0.5 U	< 0.5 U	< 5	< 0.5 U	< 0.5 U	< 0.5 U	< 10 U	< 0.5 U	< 0.5 U	< 10 U	< 10 U	< 0.5 U	< 0.5 U	< 10 U	< 10 U	< 0.5 U	< 10 U	< 25 U
Chlorodibromomethane	ug/L	NA	< 10 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 10 U	< 0.5 U	< 0.5 U	< 10 U	< 10 U	< 0.5 U	< 0.5 U	< 10 U	< 10 U	< 0.5 U	< 10 U	< 25 U
Chloroethane	ug/L	NA	< 10 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 10 U	< 0.5 U	< 0.5 U	< 10 U	< 10 U	< 0.5 U	< 0.5 U	< 10 U	< 10 U	< 0.5 U	< 10 U	< 25 U
Chloroform	ug/L	< 5	< 10 U	< 0.5 U	< 0.5 U	< 5	< 0.5 U	< 0.5 U	< 0.5 U	< 10 U	< 0.5 U	< 0.5 U	< 10 U	< 10 U	< 0.5 U	< 0.5 U	< 10 U	< 10 U	< 0.5 U	< 10 U	< 25 U
Chloromethane	ug/L	NA	< 10 U	**5.2**	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	**6 J**	**1.7**	< 0.5 U	**7 J**	**5 J**	**1.4**	< 0.5 U	**9 J**	< 10 U	< 0.5 U	< 10 U	< 25 U
cis-1,2-Dichloroethene	ug/L	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 25 U
cis-1,3-Dichloropropene	ug/L	NA	< 10 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 10 U	< 0.5 U	< 0.5 U	< 10 U	< 10 U	< 0.5 U	< 0.5 U	< 10 U	< 10 U	< 0.5 U	< 10 U	< 25 U
Cyclohexane	ug/L	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 25 U
Cymene (p-Isopropyltoluene)	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 25 U
Dibromomethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 25 U
Dichloromethane	ug/L	**6.3**	< 10 U*	< 0.5 U	< 0.5 U	< 5	< 0.5 U	< 1 U	< 1 U	< 10 U*	< 0.5 U	< 0.5 U	< 10 U*	< 10 U*	< 0.5 U	< 0.5 U	< 10 U*	< 10 U	< 0.5 U	< 20 U	< 25 U
Ethylbenzene	ug/L	< 5	< 10 U	< 0.5 U	< 0.5 U	< 5	< 0.5 U	< 0.5 U	< 0.5 U	< 10 U	< 0.5 U	< 0.5 U	< 10 U	< 10 U	< 0.5 U	< 0.5 U	**23**	**9 J**	**4.4**	**17.1**	**29.75**
Hexachloro-1,3-butadiene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 25 U
Isopropylbenzene	ug/L	NA	NA	NA	NA	NA	NA	< 1 U	< 1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**1.86 F**	< 25 U
m&p-Xylenes	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	ug/L	NA	NA	NA	NA	NA	NA	< 5 U	< 5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 100 U	< 250 U
Methyl N-Butyl Ketone (2-Hexanone)	ug/L	< 10	< 10 U	< 5 U	< 5 U	< 10	< 5 U	< 5 U	< 5 U	< 10 U	< 5 U	< 5 U	< 10 U	< 10 U	< 5 U	< 5 U	< 10 U	< 10 U	< 5 U	< 100 U	< 250 U

Appendix B-2
Groundwater Analytical Data, Site SS013
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

	Location	MW-13-004	MW-13-004	MW-13-004	MW-13-004	MW-13-005	MW-13-005	MW-13-005	MW-13-005	MW-13-006	MW-13-006	MW-13-006	MW-13-007	MW-13-007	MW-13-007	MW-13-007	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008
	Sample Date	12/9/1987	1/7/1994	2/16/1994	10/3/1995	12/9/1987	10/5/1995	8/27/2002	8/27/2002	1/6/1994	2/16/1994	10/3/1995	1/6/1994	1/6/1994	2/16/1994	10/3/1995	1/6/1994	2/16/1994	10/3/1995	8/15/2002	3/20/2003
	Sample Type	N	N	N	N	N	N	N	FD	N	N	N	N	FR	N	N	N	N	N	N	N
Chemical	**Unit**																				
Methylcyclohexane	ug/L	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**2.06 F**	< 25 U
Methyl-tert-butylether	ug/L	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 25 U
Naphthalene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**2842**
n-Butylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 25 U
n-Propylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 25 U
o-Xylene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 25 U
Styrene (Monomer)	ug/L	NA	< 10 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 1 U	< 1 U	< 10 U	< 0.5 U	< 0.5 U	< 10 U	< 10 U	< 0.5 U	< 0.5 U	**2 J**	**1 J**	**1**	< 20 U	< 25 U
tert-Butylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 25 U
Tetrachloroethene	ug/L	< 5	< 10 U	< 0.5 U	< 0.5 U	< 5	< 0.5 U	< 1 U	< 1 U	< 10 U	< 0.5 U	< 0.5 U	< 10 U	< 10 U	< 0.5 U	< 0.5 U	< 10 U	< 10 U	< 0.5 U	< 20 U	< 25 U
Toluene	ug/L	< 5	< 10 U	< 0.5 U	< 0.5 U	< 5	< 0.5 U	< 0.5 U	< 0.5 U	< 10 U	< 0.5 U	< 0.5 U	< 10 U	< 10 U	< 0.5 U	< 0.5 U	**6 J**	**6 J**	**4.7**	**4.62 F**	**3.75 F**
Total Xylenes	ug/L	< 5	< 10 U	< 0.5 U	< 0.5 U	**3.1**	< 0.5 U	< 0.5 U	< 0.5 U	< 10 U	< 0.5 U	< 0.5 U	< 10 U	< 10 U	< 0.5 U	< 0.5 U	**21**	**17**	**15**	**16.1**	< 75 U
trans-1,2-Dichloroethene	ug/L	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 25 U
trans-1,3-Dichloropropene	ug/L	NA	< 10 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 10 U	< 0.5 U	< 0.5 U	< 10 U	< 10 U	< 0.5 U	< 0.5 U	< 10 U	< 10 U	< 0.5 U	< 10 U	< 25 U
Trichloroethene	ug/L	< 5	< 10 U	< 0.5 U	< 0.5 U	< 5	< 0.5 U	< 0.5 U	< 0.5 U	< 10 U	< 0.5 U	< 0.5 U	< 10 U	< 10 U	< 0.5 U	< 0.5 U	< 10 U	< 10 U	< 0.5 U	< 10 U	< 25 U
Vinyl chloride	ug/L	< 10	< 10 U	< 0.5 U	< 0.5 U	< 10	< 0.5 U	< 0.5 U	< 0.5 U	< 10 U	< 0.5 U	< 0.5 U	< 10 U	< 10 U	< 0.5 U	< 0.5 U	**53**	**27**	**38**	**14**	**12.35 F**

Appendix B-2
Groundwater Analytical Data, Site SS013
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

	Location	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008
	Sample Date	10/12/2005	10/23/2006	11/27/2007	11/27/2007	3/26/2008	3/26/2008	9/29/2008	9/29/2008	12/4/2008	12/4/2008	3/24/2009	3/24/2009	6/9/2009	6/9/2009	6/10/2009	6/10/2009	9/10/2009	9/10/2009	12/16/2009	3/25/2010
	Sample Type	N	N	N	FD	N	FD	N	FD	N	FD	N	FD	N	FD	N	FD	N	FD	N	N
Chemical	**Unit**																				
SVOCs																					
1,1-Biphenyl	ug/L	**19.9**	NA	< 4000 U	< 8250 U	**5.75 J**	**8.59 J**	< 56.2 U	< 53.2 U	< 102 U	< 102 U	< 51.5 U	< 52.1 U	NA	NA	**0.79**	**0.28 F**	**0.821 J**	**1.12 J**	< 10 U	< 2.5 U
1,2,4-Trichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	ug/L	NA	NA	NA	NA	**4.2 F**	< 50 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	ug/L	NA	NA	NA	NA	< 5 U	< 50 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	ug/L	NA	NA	NA	NA	**5.4**	< 50 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-Oxybis(1-Chloropropane)	ug/L	< 10.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	ug/L	< 25.3 U	NA	< 10000 U	< 20600 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	ug/L	< 10.1 U	NA	< 4000 U	< 8250 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dichlorophenol	ug/L	< 10.1 U	NA	< 4000 U	< 8250 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dimethylphenol	ug/L	**202**	NA	< 4000 U	< 8250 U	**147 F**	**158 F**	**210**	**216**	**211**	**222**	**59.2**	**61.7**	NA	NA	**107**	**125**	**91.1 J**	**115 J**	**26**	**10.3**
2,4-Dinitrophenol	ug/L	< 50.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	ug/L	< 10.1 U	NA	< 4000 U	< 8250 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	ug/L	< 10.1 U	NA	< 4000 U	< 8250 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	ug/L	< 10.1 U	NA	< 4000 U	< 8250 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chlorophenol	ug/L	< 10.1 U	NA	< 4000 U	< 8250 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methyl-4,6-dinitrophenol	ug/L	< 50.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	ug/L	**203**	NA	**404 F**	**660 F**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylphenol	ug/L	< 10.1 U	NA	< 4000 U	< 8250 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitroaniline	ug/L	< 25.3 U	NA	< 10000 U	< 20600 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitrophenol	ug/L	< 10.1 U	NA	< 4000 U	< 8250 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3-Dichlorobenzidine	ug/L	R	NA	< 8000 U	< 16500 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-Nitroaniline	ug/L	< 25.3 U	NA	< 10000 U	< 20600 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Bromophenyl phenyl ether	ug/L	< 10.1 U	NA	< 4000 U	< 8250 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chloro-3-Methylphenol	ug/L	< 10.1 U	NA	< 4000 U	< 8250 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorophenyl phenyl ether	ug/L	< 10.1 U	NA	< 4000 U	< 8250 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	ug/L	< 10.1 U	NA	< 4000 U	< 8250 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	ug/L	< 25.3 U	NA	< 10000 U	< 20600 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitrophenol	ug/L	< 25.3 U	NA	< 10000 U	< 20600 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	ug/L	**58.5**	NA	< 4000 U	< 8250 U	**22.8 J**	**29 J**	**7.3 F**	**6.81 F**	< 102 U	< 102 U	< 51.5 U	< 52.1 U	NA	NA	**4.32 J**	**2.67 J**	**4.98 J**	**6.33 J**	**1.6 F**	**0.957 F**
Acenaphthylene	ug/L	< 10.1 U	NA	< 4000 U	< 8250 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetophenone	ug/L	< 10.1 U	NA	< 4000 U	< 8250 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	ug/L	< 10.1 U	NA	< 4000 U	< 8250 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Atrazine	ug/L	R	NA	< 4000 U	< 8250 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Azobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzaldehyde	ug/L	< 10.1 U	NA	< 4000 U	< 8250 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	ug/L	NA	NA	NA	NA	**1.9 F**	< 50 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzidine	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	ug/L	< 10.1 U	NA	< 4000 U	< 8250 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	ug/L	< 10.1 U	NA	< 4000 U	< 8250 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	ug/L	< 10.1 U	NA	< 4000 U	< 8250 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene	ug/L	< 10.1 U	NA	< 4000 U	< 8250 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	ug/L	< 10.1 U	NA	< 4000 U	< 8250 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzoic Acid	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzyl Alcohol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	ug/L	< 10.1 U	NA	< 4000 U	< 8250 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethyl)ether	ug/L	< 10.1 U	NA	< 4000 U	< 8250 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroisopropyl)ether	ug/L	NA	NA	< 4000 U	< 8250 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	ug/L	< 10.1 U	NA	< 4000 U	< 8250 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Butyl benzyl phthalate	ug/L	< 10.1 U	NA	< 4000 U	< 8250 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Caprolactam	ug/L	< 10.1 U	NA	< 4000 U	< 8250 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	ug/L	**33.1**	NA	< 4000 U	< 8250 U	**19.9**	**23.4**	< 56.2 U	< 53.2 U	< 102 U	< 102 U	< 51.5 U	< 52.1 U	NA	NA	< 1 U	< 1 U	**5.67**	**5.27**	< 20 U	< 5 U
Chrysene	ug/L	< 10.1 U	NA	< 4000 U	< 8250 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzo(a,h)anthracene	ug/L	< 10.1 U	NA	< 4000 U	< 8250 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzofuran	ug/L	**21.6**	NA	< 4000 U	< 8250 U	**7.08 F**	**9.3 F**	< 56.2 U	< 53.2 U	< 102 U	< 102 U	< 51.5 U	< 52.1 U	NA	NA	**0.74 J**	**0.6 J**	**1.29**	**1.5**	< 10 U	< 2.5 U
Dichloromethane	ug/L	NA	NA	NA	NA	< 5 U	**17 B**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethyl phthalate	ug/L	< 10.1 U	NA	< 4000 U	< 8250 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dimethyl phthalate	ug/L	< 10.1 U	NA	< 4000 U	< 8250 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-butyl phthalate	ug/L	**1.95 J**	NA	< 4000 U	< 8250 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-octyl phthalate	ug/L	< 10.1 U	NA	< 4000 U	< 8250 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diphenylamine	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	ug/L	NA	NA	NA	NA	**6.3**	< 50 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	ug/L	< 10.1 U	NA	< 4000 U	< 8250 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluorene	ug/L	**17.4**	NA	< 4000 U	< 8250 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachloro-1,3-butadiene	ug/L	< 10.1 U	NA	< 4000 U	< 8250 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobenzene	ug/L	< 10.1 U	NA	< 4000 U	< 8250 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	ug/L	< 10.1 U	NA	< 4000 U	< 8250 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachloroethane	ug/L	< 10.1 U	NA	< 4000 U	< 8250 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	ug/L	< 10.1 U	NA	< 4000 U	< 8250 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix B-2
Groundwater Analytical Data, Site SS013
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

	Location	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008
	Sample Date	10/12/2005	10/23/2006	11/27/2007	11/27/2007	3/26/2008	3/26/2008	9/29/2008	9/29/2008	12/4/2008	12/4/2008	3/24/2009	3/24/2009	6/9/2009	6/9/2009	6/10/2009	6/10/2009	9/10/2009	9/10/2009	12/16/2009	3/25/2010
	Sample Type	N	N	N	FD	N	FD	N	FD	N	FD	N	FD	N	FD	N	FD	N	FD	N	N
Chemical	**Unit**																				
Isophorone	ug/L	< 10.1 U	NA	< 4000 U	< 8250 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	ug/L	**2060**	NA	**1440 F**	**1560 F**	**1330**	**1550**	**660**	**642**	**664 M**	**725 M**	**25.7 F**	**19.3 F**	NA	NA	**393 M**	**386 M**	**542 M**	**624 M**	**294 J**	**84.6**
Nitrobenzene	ug/L	< 10.1 U	NA	< 4000 U	< 8250 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitrosodi-n-propylamine	ug/L	< 10.1 U	NA	< 4000 U	< 8250 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitrosodiphenylamine	ug/L	< 10.1 U	NA	< 4000 U	< 8250 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitroso-N-methylethylamine	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Chloroaniline	ug/L	< 10.1 U	NA	< 4000 U	< 8250 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorophenol	ug/L	< 50.5 U	NA	< 20000 U	< 41200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	ug/L	**7.33 J**	NA	**480 F**	**907 F**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenol	ug/L	< 10.1 U	NA	< 4000 U	< 8250 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	ug/L	< 10.1 U	NA	< 4000 U	< 8250 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	ug/L	NA	NA	NA	NA	**2.7 F**	< 50 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Xylenes	ug/L	NA	NA	NA	NA	**5.4 F**	< 150 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	ug/L	NA	NA	NA	NA	< 5 U	< 50 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	ug/L	NA	NA	NA	NA	**7.4 F**	< 100 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs																					
1,1,1,2-Tetrachloroethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	ug/L	< 10 U	< 25 U	< 50 U	< 50 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	ug/L	< 10 U	< 25 U	< 50 U	< 50 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-trichloro-1,2,2-trifluoroethane	ug/L	< 10 U	< 25 U	< 50 U	< 50 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	ug/L	< 10 U	< 25 U	< 50 U	< 50 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	ug/L	< 10 U	< 25 U	< 50 U	< 50 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	ug/L	< 10 U	< 25 U	< 50 U	< 50 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloropropene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	ug/L	< 10 U	< 25 U	< 50 U	< 50 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	ug/L	NA	NA	NA	NA	NA	NA	< 5 U	< 5 U	**3.2**	**3.3**	< 1 U	**0.28 F**	**0.81 F**	**0.92 F**	NA	NA	**1.52**	**1.59**	**2.44**	**0.333 F**
1,2-Dibromo-3-chloropropane	ug/L	< 20 U	< 50 U	< 100 U	< 100 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane	ug/L	< 10 U	< 25 U	< 50 U	< 50 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	ug/L	< 10 U	< 25 U	< 50 U	< 50 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	ug/L	< 10 U	< 25 U	< 50 U	< 50 U	NA	NA	< 5 U	< 5 U	< 2.5 U	< 2.5 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichloroethene, Total	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	ug/L	< 10 U	< 25 U	< 50 U	< 50 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	ug/L	NA	NA	NA	NA	NA	NA	< 5 U	< 5 U	**1.75 F**	**1.9 F**	**0.28 F**	**0.4 F**	**0.34 F**	**0.35 F**	NA	NA	**1.12**	**1.13**	**0.784 F**	**0.872 F**
1,3-Dichlorobenzene	ug/L	< 10 U	< 25 U	< 50 U	< 50 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichloropropane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	ug/L	< 10 U	< 25 U	< 50 U	< 50 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1-Chlorohexane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-Dichloropropane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	ug/L	< 100 U	< 250 U	< 500 U	< 500 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chlorotoluene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorotoluene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	ug/L	< 100 U	< 250 U	< 500 U	< 500 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	ug/L	< 100 U	< 250 U	< 500 U	< 500 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	ug/L	**4 F**	< 25 U	< 50 U	< 50 U	NA	NA	< 5 U	< 5 U	**1.3 F**	**1.3 F**	**0.24 F**	**0.34 F**	**1.1**	**1.12**	NA	NA	**1.29**	**1.3**	**0.988 F**	**0.889 F**
Bromobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromochloromethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	ug/L	< 10 U	< 25 U	< 50 U	< 50 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	ug/L	< 10 U	< 25 U	< 50 U	< 50 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane	ug/L	< 10 U	< 25 U	< 50 U	< 50 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Disulfide	ug/L	< 10 U	< 25 U	< 50 U	< 50 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	ug/L	< 10 U	< 25 U	< 50 U	< 50 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CFC-11	ug/L	< 10 U	R	< 50 U	< 50 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CFC-12	ug/L	< 10 U	< 25 U	< 50 U	< 50 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	ug/L	< 10 U	< 25 U	< 50 U	< 50 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorodibromomethane	ug/L	< 10 U	< 25 U	< 50 U	< 50 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane	ug/L	< 10 U	R	< 50 U	< 50 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	ug/L	< 10 U	< 25 U	< 50 U	< 50 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloromethane	ug/L	< 10 U	< 25 U	< 50 U	< 50 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	ug/L	< 10 U	< 25 U	< 50 U	< 50 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	ug/L	< 10 U	< 25 U	< 50 U	< 50 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyclohexane	ug/L	**2.4 F**	< 25 U	< 50 U	< 50 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cymene (p-Isopropyltoluene)	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromomethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichloromethane	ug/L	**16 B**	< 25 U	< 50 U	< 50 U	NA	NA	**1.9 F**	**1.9 F**	< 2.5 U	< 2.5 U	< 1 U	< 1 U	< 5 U	< 5 U	NA	NA	**0.346 F**	**0.385 F**	**0.282 F**	< 5 U
Ethylbenzene	ug/L	**27**	**19 F**	< 50 U	< 50 U	NA	NA	**2.6 F**	**2.4 F**	**3.2**	**3.3**	**0.4 F**	**0.66 F**	**2.43**	**2.44**	NA	NA	**3.33**	**3.4**	**1.93**	**1.53**
Hexachloro-1,3-butadiene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	ug/L	**2.2 F**	< 25 U	< 50 U	< 50 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m&p-Xylenes	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	ug/L	< 100 U	R	< 300 U	< 300 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl N-Butyl Ketone (2-Hexanone)	ug/L	< 100 U	< 250 U	< 500 U	< 500 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix B-2
Groundwater Analytical Data, Site SS013
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

	Location	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008
	Sample Date	10/12/2005	10/23/2006	11/27/2007	11/27/2007	3/26/2008	3/26/2008	9/29/2008	9/29/2008	12/4/2008	12/4/2008	3/24/2009	3/24/2009	6/9/2009	6/9/2009	6/10/2009	6/10/2009	9/10/2009	9/10/2009	12/16/2009	3/25/2010
	Sample Type	N	N	N	FD	N	FD	N	FD	N	FD	N	FD	N	FD	N	FD	N	FD	N	N
Chemical	**Unit**																				
Methylcyclohexane	ug/L	**3.8 F**	< 25 U	< 50 U	< 50 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl-tert-butylether	ug/L	< 10 U	< 25 U	< 50 U	< 50 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Butylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	ug/L	< 10 U	< 25 U	< 50 U	< 50 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
tert-Butylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	ug/L	< 10 U	< 25 U	< 50 U	< 50 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	ug/L	**3.6 F**	< 25 U	< 50 U	< 50 U	NA	NA	**2.4 F**	**2.3 F**	**2.65**	**2.65**	**0.5 F**	**0.66 F**	**2.55**	**2.53**	NA	NA	**2.09**	**2.11**	**1.47**	**0.528 F**
Total Xylenes	ug/L	**12 F**	**9.5 F**	< 150 U	< 150 U	NA	NA	< 15 U	< 15 U	**6.25 F**	**6.55 F**	**0.78 F**	**1.22 F**	**2.82 F**	**2.99 F**	NA	NA	**3.08**	**3.3**	**2.05 F**	**0.826 F**
trans-1,2-Dichloroethene	ug/L	< 10 U	< 25 U	< 50 U	< 50 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	ug/L	< 10 U	< 25 U	< 50 U	< 50 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	ug/L	< 10 U	< 25 U	< 50 U	< 50 U	NA	NA	< 5 U	< 5 U	< 2.5 U	< 2.5 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U	< 1 U
Vinyl chloride	ug/L	**8.8 F**	**22 F**	< 50 U	< 50 U	NA	NA	< 10 U	< 10 U	**2.3 F**	**2.4 F**	< 2 U	< 2 U	**3.26**	**3.36**	NA	NA	**4.92**	**4.76**	**2.44**	**1.51**

Appendix B-2
Groundwater Analytical Data, Site SS013
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

	Location	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008
	Sample Date	6/7/2010	9/8/2010	12/2/2010	3/30/2011	6/15/2011	9/21/2011	12/27/2011	12/27/2011	3/19/2012	6/7/2012	9/24/2012	12/13/2012	3/28/2013	3/28/2013	6/12/2013	9/17/2013	12/12/2013	3/11/2014	7/9/2014	9/9/2014
	Sample Type	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N
Chemical	**Unit**																				
SVOCs																					
1,1-Biphenyl	ug/L	< 21.5 U	< 20.4 UM	< 21.3 U	< 51.9 UM	< 20 U	< 20 U	**3.56 F**	**4.95 F**	**2.64 F**	< 20.6 U	< 20 U	< 20.4 U	< 40 U	**0.71 J**	< 20 U	< 5 U	< 20 UM	< 20 UM	< 20 UM	< 20 UM
1,2,4-Trichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-Oxybis(1-Chloropropane)	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dichlorophenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dimethylphenol	ug/L	**16.9**	**12.5 M**	**5.26 F**	< 13 UM	**11**	**7.14**	**27.5**	**31.5**	**48.1**	**13.4**	**71.9**	**8.33**	**55**	**75 J**	**34**	**49.2**	**32**	**26.9**	**31.1 M**	**41.5 M**
2,4-Dinitrophenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chlorophenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methyl-4,6-dinitrophenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylphenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitroaniline	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitrophenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3-Dichlorobenzidine	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-Nitroaniline	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Bromophenyl phenyl ether	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chloro-3-Methylphenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorophenyl phenyl ether	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitrophenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	ug/L	**3.06 F**	**6.18 M**	**3.58 F**	< 13 UM	**10.4 J**	**4.35 F**	**15.4**	**16.7**	**16.7 J**	**6.13 J**	**9.41**	< 5.1 UJ	< 10 UJ	**3.4 J**	**6.24**	**4.76 J**	< 5 UJ	**2.59 F**	**4.24 M**	**3.49 F**
Acenaphthylene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetophenone	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Atrazine	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Azobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzaldehyde	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzidine	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzoic Acid	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzyl Alcohol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethyl)ether	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroisopropyl)ether	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Butyl benzyl phthalate	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Caprolactam	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	ug/L	**2.83**	**7.34 F**	**2.95 F**	< 51.9 U	**4.56 F**	**3.85 F**	**10.6 F**	**12.7 F**	**8.71 F**	**3.66 F**	**8.19 F**	< 20.4 U	< 40 U	**1.5 J**	**4.32 F**	**3.02 F**	< 20 U	< 20 U	**2.83 M**	**3.15 F**
Chrysene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzo(a,h)anthracene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzofuran	ug/L	< 5.38 U	< 5.1 UM	< 5.32 U	< 13 UM	**3.45 F**	< 5 UJ	**4.76 F**	**8.91**	**4.9 F**	< 5.15 U	**3.15 F**	< 5.1 U	< 10 U	**0.67 J**	< 5 U	< 5 U	< 5 U	< 5 U	< 5 UM	< 5 UJ
Dichloromethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethyl phthalate	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dimethyl phthalate	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-butyl phthalate	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-octyl phthalate	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diphenylamine	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluorene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachloro-1,3-butadiene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachloroethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix B-2
Groundwater Analytical Data, Site SS013
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

	Location	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008
	Sample Date	6/7/2010	9/8/2010	12/2/2010	3/30/2011	6/15/2011	9/21/2011	12/27/2011	12/27/2011	3/19/2012	6/7/2012	9/24/2012	12/13/2012	3/28/2013	3/28/2013	6/12/2013	9/17/2013	12/12/2013	3/11/2014	7/9/2014	9/9/2014
	Sample Type	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N
Chemical	**Unit**																				
Isophorone	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	ug/L	**109 M**	**427 M**	**125 M**	**19.8 M**	**257 M**	**178**	**749 J**	**960 J**	NA	**101 J**	**563**	< 5.1 UJ	**321 J**	**200**	**102 M**	**209 J**	**287 J**	**192**	**215 M**	**168**
Nitrobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitrosodi-n-propylamine	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitrosodiphenylamine	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitroso-N-methylethylamine	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Chloroaniline	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorophenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Xylenes	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs																					
1,1,1,2-Tetrachloroethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-trichloro-1,2,2-trifluoroethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloropropene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	ug/L	**1.65**	**2.38**	**1.51**	**0.302 F**	**1.85**	**1.3**	**5.54**	**6**	**3.33**	**2.56**	**3**	**1.17**	**1.35**	**1.2 J**	**1.89**	**2.71 J**	**2.33**	**1.48 F**	< 5 U	**1.97 F**
1,2-Dibromo-3-chloropropane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U	< 2.5 U	< 5 U	< 2 U
1,2-Dichloroethene, Total	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	ug/L	**1.07**	**0.92 F**	**0.492 F**	< 1 U	**0.512 F**	**0.357 F**	**2.29**	**2.21**	**0.893 F**	< 1 U	**0.734 F**	< 1 U	< 1 U	< 2 U	**0.847 F**	**0.352 J**	**0.435 F**	< 2.5 U	< 5 U	**0.956 F**
1,3-Dichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichloropropane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1-Chlorohexane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-Dichloropropane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chlorotoluene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorotoluene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	ug/L	**1.32**	**1.19**	**1.04**	**0.234 F**	**1.32**	**1.07**	**1.96**	**1.99**	**1.45**	**1.3**	**1.38**	**0.788 F**	**1.02**	**0.94 J**	**1.24**	**1.34**	**1.12**	**0.823 F**	**0.822 F**	**1.2 F**
Bromobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromochloromethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Disulfide	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CFC-11	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CFC-12	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorodibromomethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloromethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyclohexane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cymene (p-Isopropyltoluene)	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromomethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichloromethane	ug/L	< 1 U	**0.298 F**	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U	< 2.5 U	< 5 U	< 2 U
Ethylbenzene	ug/L	**5.15**	**4.91**	**2.66**	**0.887 F**	**3.69**	**2.94**	**11.9**	**11.3**	**6.44**	**3.21**	**3.72**	**1.31**	**2.21**	**2.1**	**1.3**	**2.83**	**2.63**	**2.05 F**	**1.91 F**	**3.46**
Hexachloro-1,3-butadiene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m&p-Xylenes	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl N-Butyl Ketone (2-Hexanone)	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix B-2
Groundwater Analytical Data, Site SS013
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

	Location	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008
	Sample Date	6/7/2010	9/8/2010	12/2/2010	3/30/2011	6/15/2011	9/21/2011	12/27/2011	12/27/2011	3/19/2012	6/7/2012	9/24/2012	12/13/2012	3/28/2013	3/28/2013	6/12/2013	9/17/2013	12/12/2013	3/11/2014	7/9/2014	9/9/2014
	Sample Type	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N
Chemical	**Unit**																					
Methylcyclohexane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl-tert-butylether	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	**456 J**	**1310**	**117**	**340**	**390 J**	**147 M**	**372 J**	**595**	**487 M**	**377 M**	**657**
n-Butylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
tert-Butylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	ug/L	**2.19**	**2.34**	**1.96**	**0.414 F**	**2.06**	**1.93**	**4.3**	**4.65**	**3**	**2.88**	**3.12**	**1.7**	**1.99**	**1.7 J**	**2.51**	**3.42**	**3.29**	**2.29 F**	**1.39 F**	**2.24**
Total Xylenes	ug/L	**3.85**	**4.59**	**3.43**	< 1 U	**4.02**	**3.27**	**8.92**	**9.68**	**6.02**	**4.98**	**5.59**	**2.34**	**2.9**	**2.5**	**4.89**	**5.16**	**4.62**	**3.43**	< 5 U	**3.68**
trans-1,2-Dichloroethene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U	< 2.5 U	< 5 U	< 2 U
Vinyl chloride	ug/L	**5.94**	**6.78**	**9.01**	**1.18**	**6.24**	**3.67**	**11.5**	**11.5**	**8.2**	**3.74**	**4.12**	**1.26 J**	**3.13**	**2.7**	**4.76**	**2.89 J**	**3.4**	**2.31 F**	**2.56 F**	**4.44**

Appendix B-2
Groundwater Analytical Data, Site SS013
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

	Location	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008R	MW-13-008R	MW-13-008R	MW-13-008R	MW-13-008R	MW-13-008R	MW-13-008R	MW-13-008R	MW-13-008R	MW-13-009	MW-13-009
	Sample Date	12/9/2014	3/12/2015	3/12/2015	7/14/2015	7/14/2015	9/28/2015	11/23/2015	11/29/2016	11/29/2016	6/1/2017	6/1/2017	8/11/2017	11/3/2017	11/3/2017	2/8/2018	5/8/2018	5/8/2018	8/22/2018	10/3/1995	10/3/1995
	Sample Type	N	N	FD	N	FD	N	N	N	FD	N	FD	N	N	FD	N	N	FD	N	N	FR
Chemical	**Unit**																				
SVOCs																					
1,1-Biphenyl	ug/L	< 20 U	**5.09 M**	**4.56 M**	**3.92 F**	**4.86 F**	< 20 UM	**4.38 J**	**3.3 J [3.3]**	< 9.5 U [< 2.9]	NA	NA	< 2.9	< 2.9	< 2.9	< 3.1	< 1.9	< 1.9	< 2.1	NA	NA
1,2,4-Trichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-Oxybis(1-Chloropropane)	ug/L	NA	NA	NA	NA	NA	NA	NA	< 9.5 U	< 9.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	ug/L	NA	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dichlorophenol	ug/L	NA	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dimethylphenol	ug/L	**65.6**	**62.7**	**58.4**	**19.2 J**	**24.9 J**	**12**	**8.99**	**8.8 J [8.8]**	**7.8 J [7.8]**	< 7.8	< 1.9	< 2.9	< 2.9	< 2.9	< 3.1	< 9.6	< 9.5	< 10	NA	NA
2,4-Dinitrophenol	ug/L	NA	NA	NA	NA	NA	NA	NA	< 48 U [< 9.5]	< 48 U [< 9.5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	ug/L	NA	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	ug/L	NA	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	ug/L	NA	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chlorophenol	ug/L	NA	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methyl-4,6-dinitrophenol	ug/L	NA	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylphenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitroaniline	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitrophenol	ug/L	NA	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3-Dichlorobenzidine	ug/L	NA	NA	NA	NA	NA	NA	NA	< 48 U [< 2.9]	< 48 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-Nitroaniline	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Bromophenyl phenyl ether	ug/L	NA	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chloro-3-Methylphenol	ug/L	NA	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorophenyl phenyl ether	ug/L	NA	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitrophenol	ug/L	NA	NA	NA	NA	NA	NA	NA	< 24 U [< 9.5]	< 24 U [< 9.5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	ug/L	**7.44 J**	**21.9**	**19.3**	**24**	**28.6**	**10.8**	**21.5**	**12 [12]**	< 9.5 U [< 2.9]	< 3.9	< 0.97	< 2.9	< 2.9	< 2.9	< 3.1	< 1.9	< 1.9	< 2.1	NA	NA
Acenaphthylene	ug/L	NA	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetophenone	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	ug/L	NA	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Atrazine	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Azobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzaldehyde	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzidine	ug/L	NA	NA	NA	NA	NA	NA	NA	< 95 U [< 19]	< 95 U [< 19]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	ug/L	NA	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	ug/L	NA	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	ug/L	NA	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene	ug/L	NA	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	ug/L	NA	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzoic Acid	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzyl Alcohol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	ug/L	NA	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethyl)ether	ug/L	NA	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroisopropyl)ether	ug/L	NA	NA	NA	NA	NA	NA	NA	< 2.9	< 2.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	ug/L	NA	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Butyl benzyl phthalate	ug/L	NA	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Caprolactam	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	ug/L	**4.99 F**	**12.2 F**	**11.5 F**	**7.62 F**	**8.32 F**	**5.46 F**	**6.11 F**	< 9.5 U [< 2.9]	< 9.5 U [< 2.9]	< 3.9	< 0.97	< 2.9	< 2.9	< 2.9	< 3.1	< 1.9	< 1.9	< 2.1	NA	NA
Chrysene	ug/L	NA	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzo(a,h)anthracene	ug/L	NA	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzofuran	ug/L	< 5 U	**7.24**	**6.44**	**6.96**	**8.03**	**2.87 J**	**5.92**	< 9.5 U [< 2.9]	< 9.5 U [< 2.9]	< 3.9	< 0.97	< 2.9	< 2.9	< 2.9	< 3.1	< 1.9	< 1.9	< 2.1	NA	NA
Dichloromethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethyl phthalate	ug/L	NA	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dimethyl phthalate	ug/L	NA	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-butyl phthalate	ug/L	NA	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-octyl phthalate	ug/L	NA	NA	NA	NA	NA	NA	NA	< 14 U [< 9.5]	< 14 U [< 9.5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diphenylamine	ug/L	NA	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	ug/L	NA	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluorene	ug/L	NA	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachloro-1,3-butadiene	ug/L	NA	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	ug/L	NA	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachloroethane	ug/L	NA	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	ug/L	NA	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix B-2
Groundwater Analytical Data, Site SS013
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

	Location	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008R	MW-13-008R	MW-13-008R	MW-13-008R	MW-13-008R	MW-13-008R	MW-13-008R	MW-13-008R	MW-13-008R	MW-13-009	MW-13-009
	Sample Date	12/9/2014	3/12/2015	3/12/2015	7/14/2015	7/14/2015	9/28/2015	11/23/2015	11/29/2016	11/29/2016	6/1/2017	6/1/2017	8/11/2017	11/3/2017	11/3/2017	2/8/2018	5/8/2018	5/8/2018	8/22/2018	10/3/1995	10/3/1995
	Sample Type	N	N	FD	N	FD	N	N	N	FD	N	FD	N	N	FD	N	N	FD	N	N	FR
Chemical	**Unit**																				
Isophorone	ug/L	NA	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	ug/L	**321 J**	**766**	**697**	**308 M**	**373 M**	**188**	**502**	**480 D [480]**	**390 D [390]**	< 3.9	< 0.97	**4.9**	< 2.9	< 2.9	< 3.1	< 1.9	< 1.9	< 2.1	NA	NA
Nitrobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitrosodi-n-propylamine	ug/L	NA	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitrosodiphenylamine	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitroso-N-methylethylamine	ug/L	NA	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Chloroaniline	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorophenol	ug/L	NA	NA	NA	NA	NA	NA	NA	< 48 U [< 2.9]	< 48 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	ug/L	NA	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenol	ug/L	NA	NA	NA	NA	NA	NA	NA	< 14 U [< 2.9]	< 14 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	ug/L	NA	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Xylenes	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs																					
1,1,1,2-Tetrachloroethane	ug/L	NA	NA	NA	NA	NA	NA	NA	< 1 U [< 0.80]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	ug/L	NA	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U
1,1,2,2-Tetrachloroethane	ug/L	NA	NA	NA	NA	NA	NA	NA	< 1 U [< 0.80]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U
1,1,2-trichloro-1,2,2-trifluoroethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	ug/L	NA	NA	NA	NA	NA	NA	NA	< 1 U [< 0.80]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U
1,1-Dichloroethane	ug/L	NA	NA	NA	NA	NA	NA	NA	< 1 U [< 0.80]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U
1,1-Dichloroethene	ug/L	NA	NA	NA	NA	NA	NA	NA	< 1 U [< 0.80]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U
1,1-Dichloropropene	ug/L	NA	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	< 1 U [< 0.80]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	ug/L	NA	NA	NA	NA	NA	NA	NA	< 3 U [< 0.80]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	< 1 U [< 0.80]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	ug/L	**3.64 F**	**7.05 F**	**7.3 F**	**3.63 F**	**3.23 F**	**4.12 F**	**3.49 F**	**3 [3.0]**	NA	< 0.40	< 0.40	**1.8**	**0.84**	**0.54**	**0.28**	< 0.40	< 0.40	**0.44**	NA	NA
1,2-Dibromo-3-chloropropane	ug/L	NA	NA	NA	NA	NA	NA	NA	< 5 U [< 1.6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane	ug/L	NA	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	ug/L	< 10 U	< 10 U	< 10 U	< 5 U	< 5 U	< 5 U	< 5 U	< 1 U [< 0.40]	NA	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.5 U	< 0.5 U
1,2-Dichloroethene, Total	ug/L	NA	NA	NA	NA	NA	NA	NA	< 1 U [< 0.20]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U
1,2-Dichloropropane	ug/L	NA	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U
1,3,5-Trimethylbenzene	ug/L	< 10 U	< 10 U	< 10 U	**1.84 F**	**2 F**	< 5 U	< 5 U	**0.52 J [0.52]**	NA	< 0.40	< 0.40	**2.9**	**0.19**	< 0.40	**0.41**	< 0.40	< 0.40	< 0.40	NA	NA
1,3-Dichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichloropropane	ug/L	NA	NA	NA	NA	NA	NA	NA	< 1 U [< 0.80]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1-Chlorohexane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-Dichloropropane	ug/L	NA	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	ug/L	NA	NA	NA	NA	NA	NA	NA	< 6 UQ [< 4.0]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5 U	< 5 U
2-Chlorotoluene	ug/L	NA	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorotoluene	ug/L	NA	NA	NA	NA	NA	NA	NA	< 1 U [< 0.80]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	ug/L	NA	NA	NA	NA	NA	NA	NA	< 5 U [< 3.2]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5 U	< 5 U
Acetone	ug/L	NA	NA	NA	NA	NA	NA	NA	< 10 U [< 6.4]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5 U	< 5 U
Benzene	ug/L	**2.03 F**	**2.17 F**	**1.98 F**	**1.43 F**	**1.55 F**	**2.09 F**	**1.75 F**	**1.6 [1.6]**	NA	< 0.40	< 0.40	**0.25**	**0.37**	**0.29**	< 0.40	< 0.40	**0.64**	< 0.40	< 0.5 U	< 0.5 U
Bromobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromochloromethane	ug/L	NA	NA	NA	NA	NA	NA	NA	< 1 U [< 0.20]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	ug/L	NA	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U
Bromoform	ug/L	NA	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U
Bromomethane	ug/L	NA	NA	NA	NA	NA	NA	NA	< 2 U [< 0.80]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U
Carbon Disulfide	ug/L	NA	NA	NA	NA	NA	NA	NA	< 2 U [< 1.6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U
Carbon Tetrachloride	ug/L	NA	NA	NA	NA	NA	NA	NA	< 2 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U
CFC-11	ug/L	NA	NA	NA	NA	NA	NA	NA	< 2 U [< 0.80]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CFC-12	ug/L	NA	NA	NA	NA	NA	NA	NA	< 2 U [< 0.80]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U
Chlorodibromomethane	ug/L	NA	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U
Chloroethane	ug/L	NA	NA	NA	NA	NA	NA	NA	< 2 U [< 1.6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U
Chloroform	ug/L	NA	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U
Chloromethane	ug/L	NA	NA	NA	NA	NA	NA	NA	< 2 U [< 0.80]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U
cis-1,2-Dichloroethene	ug/L	NA	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	ug/L	NA	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U
Cyclohexane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cymene (p-Isopropyltoluene)	ug/L	NA	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromomethane	ug/L	NA	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichloromethane	ug/L	< 10 U	**2.56 F**	< 10 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U [< 0.80]	NA	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.5 U	< 0.5 U
Ethylbenzene	ug/L	**4.02 F**	**8.92 F**	**8.86 F**	**5.72**	**4.79 F**	**4.78 F**	**5.34**	**4.6 [4.6]**	NA	< 0.40	< 0.40	**2.3**	**1.8**	**1.7**	**0.23**	< 0.40	**0.25**	**0.32**	< 0.5 U	< 0.5 U
Hexachloro-1,3-butadiene	ug/L	NA	NA	NA	NA	NA	NA	NA	< 1 U [< 0.80]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m&p-Xylenes	ug/L	NA	NA	NA	NA	NA	NA	NA	**3.3 [3.3]**	NA	< 0.80	< 0.80	**1.7**	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	NA	NA
Methyl Acetate	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl N-Butyl Ketone (2-Hexanone)	ug/L	NA	NA	NA	NA	NA	NA	NA	< 5 U [< 4.0]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5 U	< 5 U

Appendix B-2
Groundwater Analytical Data, Site SS013
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

	Location	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008R	MW-13-008R	MW-13-008R	MW-13-008R	MW-13-008R	MW-13-008R	MW-13-008R	MW-13-008R	MW-13-008R	MW-13-009	MW-13-009
	Sample Date	12/9/2014	3/12/2015	3/12/2015	7/14/2015	7/14/2015	9/28/2015	11/23/2015	11/29/2016	11/29/2016	6/1/2017	6/1/2017	8/11/2017	11/3/2017	11/3/2017	2/8/2018	5/8/2018	5/8/2018	8/22/2018	10/3/1995	10/3/1995
	Sample Type	N	N	FD	N	FD	N	N	N	FD	N	FD	N	N	FD	N	N	FD	N	N	FR
Chemical	**Unit**																				
Methylcyclohexane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl-tert-butylether	ug/L	NA	NA	NA	NA	NA	NA	NA	< 5 U [< 0.80]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	ug/L	**1440**	**2000**	**2110**	**654**	**648**	**924**	**822**	**770 [770]**	NA	**0.42**	**0.44**	**11**	**1.2**	**0.95**	**0.77**	< 0.80	< 0.80	**0.98**	NA	NA
n-Butylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	< 1 U [< 0.80]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	< 1 UM [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	ug/L	NA	NA	NA	NA	NA	NA	NA	**2.4 [2.4]**	NA	< 0.40	< 0.40	< 0.40	**0.21**	**0.27**	< 0.40	< 0.40	**0.38**	< 0.40	NA	NA
sec-Butylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	ug/L	NA	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U
tert-Butylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	ug/L	NA	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U
Toluene	ug/L	**4.32 F**	**4.75 F**	**4.72 F**	**3.32 F**	**3.18 F**	**4.69 F**	**4.11 F**	**4 [4.0]**	NA	< 0.40	< 0.40	**0.19**	**0.50**	**0.38**	< 0.40	< 0.40	**0.21**	< 0.40	< 0.5 U	< 0.5 U
Total Xylenes	ug/L	**7.91 F**	**9.41 F**	**9.93 F**	**6.06**	**6.03**	**7.5**	**6.17**	**5.7 [5.7]**	NA	< 0.80	< 0.80	**1.7**	**0.21**	**0.27**	< 0.80	< 0.80	**0.38**	< 0.80	< 0.5 U	< 0.5 U
trans-1,2-Dichloroethene	ug/L	NA	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	ug/L	NA	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U
Trichloroethene	ug/L	< 10 U	< 10 U	< 10 U	< 5 U	< 5 U	< 5 U	< 5 U	< 1 U [< 0.40]	NA	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.5 U	< 0.5 U
Vinyl chloride	ug/L	**3.91 F**	**7.1 F**	**7.38 F**	**4.2 F**	**4.17 F**	**6.26**	**3.92 F**	**4.2 [4.2]**	NA	< 0.20	< 0.20	< 0.20	< 0.20	**0.27**	< 0.20	< 0.20	**2.2**	< 0.20	< 0.5 U	< 0.5 U

Appendix B-2
Groundwater Analytical Data, Site SS013
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

	Location	MW-13-010	MW-13-011	MW-13-011	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012
	Sample Date	10/3/1995	10/3/1995	9/22/2004	10/3/1995	8/27/2002	11/27/2007	3/26/2008	9/29/2008	12/4/2008	3/24/2009	6/9/2009	9/10/2009	12/16/2009	3/25/2010	6/7/2010	9/8/2010	12/2/2010	3/30/2011	6/15/2011	6/15/2011
	Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD
Chemical	**Unit**																				
SVOCs																					
1,1-Biphenyl	ug/L	NA	NA	NA	NA	< 10 U	< 11 U	< 10.4 U	< 10.6 U	< 11 U	< 10.4 U	< 0.5 U	< 0.5 UJ	< 0.5 U	< 0.549 U	< 22 U	< 21.3 UM	< 21.7 U	< 23.5 UM	< 20 U	< 20 U
1,2,4-Trichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-Oxybis(1-Chloropropane)	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	ug/L	NA	NA	NA	NA	< 25 U	< 27.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	ug/L	NA	NA	NA	NA	< 10 U	< 11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dichlorophenol	ug/L	NA	NA	NA	NA	< 10 U	< 11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dimethylphenol	ug/L	NA	NA	NA	NA	R	< 11 U	< 10.4 U	< 10.6 U	< 11 U	< 10.4 U	< 1 U	< 1 UJ	< 1 U	< 1.1 U	< 5.49 U	< 5.32 UM	< 5.43 U	< 5.88 UM	< 5 U	< 5 U
2,4-Dinitrophenol	ug/L	NA	NA	NA	NA	< 25 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	ug/L	NA	NA	NA	NA	< 10 U	< 11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	ug/L	NA	NA	NA	NA	< 10 U	< 11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	ug/L	NA	NA	NA	NA	< 10 U	< 11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chlorophenol	ug/L	NA	NA	NA	NA	< 10 U	< 11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methyl-4,6-dinitrophenol	ug/L	NA	NA	NA	NA	< 25 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	ug/L	NA	NA	NA	NA	< 10 U	< 11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylphenol	ug/L	NA	NA	NA	NA	< 10 U	< 11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitroaniline	ug/L	NA	NA	NA	NA	< 25 U	< 27.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitrophenol	ug/L	NA	NA	NA	NA	< 15 U	< 11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3-Dichlorobenzidine	ug/L	NA	NA	NA	NA	< 20 U	< 22 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-Nitroaniline	ug/L	NA	NA	NA	NA	< 25 U	< 27.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Bromophenyl phenyl ether	ug/L	NA	NA	NA	NA	< 10 U	< 11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chloro-3-Methylphenol	ug/L	NA	NA	NA	NA	< 10 U	< 11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorophenyl phenyl ether	ug/L	NA	NA	NA	NA	< 10 U	< 11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	ug/L	NA	NA	NA	NA	< 10 U	< 11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	ug/L	NA	NA	NA	NA	< 25 U	< 27.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitrophenol	ug/L	NA	NA	NA	NA	< 25 U	< 27.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	ug/L	NA	NA	NA	NA	< 10 U	< 11 U	< 10.4 UJ	< 10.6 U	< 11 U	< 10.4 U	< 0.5 UJ	< 0.5 UJ	< 0.5 U	< 0.549 U	< 5.49 U	< 5.32 UM	< 5.43 U	< 5.88 UM	< 5 U	< 5 U
Acenaphthylene	ug/L	NA	NA	NA	NA	< 10 U	< 11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetophenone	ug/L	NA	NA	NA	NA	< 10 U	< 11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	ug/L	NA	NA	NA	NA	< 10 U	< 11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Atrazine	ug/L	NA	NA	NA	NA	< 10 U	< 11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Azobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzaldehyde	ug/L	NA	NA	NA	NA	< 10 U	< 11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzidine	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	ug/L	NA	NA	NA	NA	< 10 U	< 11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	ug/L	NA	NA	NA	NA	< 10 U	< 11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	ug/L	NA	NA	NA	NA	< 10 U	< 11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene	ug/L	NA	NA	NA	NA	< 10 U	< 11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	ug/L	NA	NA	NA	NA	< 10 U	< 11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzoic Acid	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzyl Alcohol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	ug/L	NA	NA	NA	NA	< 10 U	< 11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethyl)ether	ug/L	NA	NA	NA	NA	< 10 U	< 11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroisopropyl)ether	ug/L	NA	NA	NA	NA	< 10 U	< 11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	ug/L	NA	NA	NA	NA	< 15 U	**1.05 F**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Butyl benzyl phthalate	ug/L	NA	NA	NA	NA	< 15 U	< 11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Caprolactam	ug/L	NA	NA	NA	NA	< 10 U	< 11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	ug/L	NA	NA	NA	NA	< 20 U	< 11 U	< 10.4 U	< 10.6 U	< 11 U	< 10.4 U	< 1 U	**0.0601 F**	< 1 UJ	< 1.1 U	< 22 U	< 21.3 U	< 21.7 U	< 23.5 U	< 20 U	< 20 U
Chrysene	ug/L	NA	NA	NA	NA	< 10 U	< 11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzo(a,h)anthracene	ug/L	NA	NA	NA	NA	< 10 U	< 11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzofuran	ug/L	NA	NA	NA	NA	< 10 U	< 11 U	< 10.4 U	< 10.6 U	< 11 U	< 10.4 U	< 0.5 UJ	< 0.5 U	< 0.5 U	< 0.549 U	< 5.49 U	< 5.32 UM	< 5.43 U	< 5.88 UM	< 5 UJ	< 5 U
Dichloromethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethyl phthalate	ug/L	NA	NA	NA	NA	< 10 U	< 11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dimethyl phthalate	ug/L	NA	NA	NA	NA	< 10 U	< 11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-butyl phthalate	ug/L	NA	NA	NA	NA	< 10 U	< 11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-octyl phthalate	ug/L	NA	NA	NA	NA	< 15 U	< 11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diphenylamine	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	ug/L	NA	NA	NA	NA	< 10 U	< 11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluorene	ug/L	NA	NA	NA	NA	< 10 U	< 11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachloro-1,3-butadiene	ug/L	NA	NA	NA	NA	< 10 U	< 11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobenzene	ug/L	NA	NA	NA	NA	< 10 U	< 11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	ug/L	NA	NA	NA	NA	< 10 UM	< 11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachloroethane	ug/L	NA	NA	NA	NA	< 10 U	< 11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	ug/L	NA	NA	NA	NA	< 10 U	< 11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix B-2
Groundwater Analytical Data, Site SS013
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

	Location	MW-13-010	MW-13-011	MW-13-011	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012
	Sample Date	10/3/1995	10/3/1995	9/22/2004	10/3/1995	8/27/2002	11/27/2007	3/26/2008	9/29/2008	12/4/2008	3/24/2009	6/9/2009	9/10/2009	12/16/2009	3/25/2010	6/7/2010	9/8/2010	12/2/2010	3/30/2011	6/15/2011	6/15/2011
	Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD
Chemical	**Unit**																				
Isophorone	ug/L	NA	NA	NA	NA	< 10 U	< 11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	ug/L	NA	NA	NA	NA	< 10 U	< 11 U	< 10.4 U	< 10.6 U	< 11 UM	< 10.4 U	**0.03 M**	< 0.5 UM	**0.316 J**	< 0.549 U	< 5.49 U	< 5.32 UM	< 5.43 U	< 5.88 UM	< 5 UM	< 5 UM
Nitrobenzene	ug/L	NA	NA	NA	NA	< 10 U	< 11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitrosodi-n-propylamine	ug/L	NA	NA	NA	NA	< 10 U	< 11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitrosodiphenylamine	ug/L	NA	NA	NA	NA	< 10 U	< 11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitroso-N-methylethylamine	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Chloroaniline	ug/L	NA	NA	NA	NA	< 25 U	< 11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorophenol	ug/L	NA	NA	NA	NA	< 25 U	< 54.9 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	ug/L	NA	NA	NA	NA	< 10 U	< 11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenol	ug/L	NA	NA	NA	NA	< 10 U	< 11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	ug/L	NA	NA	NA	NA	< 10 U	< 11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Xylenes	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs																					
1,1,1,2-Tetrachloroethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-trichloro-1,2,2-trifluoroethane	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloropropene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	ug/L	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dibromo-3-chloropropane	ug/L	NA	NA	< 1 U	NA	< 1 U	< 1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane	ug/L	NA	NA	< 0.5 U	NA	< 1 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichloroethene, Total	ug/L	< 0.5 U	< 0.5 U	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	ug/L	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,3-Dichlorobenzene	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichloropropane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1-Chlorohexane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-Dichloropropane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	ug/L	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chlorotoluene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorotoluene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	ug/L	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	ug/L	< 5 U	< 5 U	< 5 U	< 5 U	< 10 U	< 5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromochloromethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Disulfide	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CFC-11	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CFC-12	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorodibromomethane	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	ug/L	< 0.5 U	**0.2 J**	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloromethane	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyclohexane	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cymene (p-Isopropyltoluene)	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromomethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichloromethane	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5 U	**0.439 F**	**0.398 F**	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Ethylbenzene	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Hexachloro-1,3-butadiene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	ug/L	NA	NA	< 0.5 U	NA	< 1 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m&p-Xylenes	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	ug/L	NA	NA	< 5 U	NA	< 5 U	< 3 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl N-Butyl Ketone (2-Hexanone)	ug/L	< 5 U	< 5 U	< 5 UM	< 5 U	< 5 U	< 5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix B-2
Groundwater Analytical Data, Site SS013
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

	Location	MW-13-010	MW-13-011	MW-13-011	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012
	Sample Date	10/3/1995	10/3/1995	9/22/2004	10/3/1995	8/27/2002	11/27/2007	3/26/2008	9/29/2008	12/4/2008	3/24/2009	6/9/2009	9/10/2009	12/16/2009	3/25/2010	6/7/2010	9/8/2010	12/2/2010	3/30/2011	6/15/2011	6/15/2011
	Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD
Chemical	**Unit**																				
Methylcyclohexane	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl-tert-butylether	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Butylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
tert-Butylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	**0.29 F**	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Total Xylenes	ug/L	< 0.5 U	< 0.5 U	< 1.5 U	< 0.5 U	< 0.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 3 U	< 3 U	< 3 U	< 3 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
trans-1,2-Dichloroethene	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Vinyl chloride	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U

Appendix B-2
Groundwater Analytical Data, Site SS013
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

	Location	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016
	Sample Date	6/12/2013	9/17/2013	7/9/2014	9/9/2014	12/9/2014	3/11/2015	11/30/2016	6/1/2017	8/11/2017	11/3/2017	5/8/2018	8/22/2018	9/29/2008	12/4/2008	3/24/2009	6/9/2009	9/10/2009	12/16/2009	12/16/2009	3/25/2010
	Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N
Chemical	**Unit**																				
SVOCs																					
1,1-Biphenyl	ug/L	< 20 U	< 5 U	< 23.3 UM	< 20 UM	< 20 U	< 20 UM	< 9.5 U [< 2.9]	NA	< 2.9	< 2.9	< 2.0	< 1.9	< 11.1 U	< 10.9 U	< 10.4 U	< 0.5 U	< 0.5 UJ	< 0.5 U	< 0.5 U	< 0.5 U
1,2,4-Trichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-Oxybis(1-Chloropropane)	ug/L	NA	NA	NA	NA	NA	NA	< 9.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	ug/L	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dichlorophenol	ug/L	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dimethylphenol	ug/L	< 5 U	< 5 U	< 5.81 UM	< 5 UM	< 5 UJ	< 5 U	< 9.5 U [< 2.9]	< 2.0	< 2.9	< 2.9	< 10	< 9.7	**14.9**	**7.48 F**	< 10.4 U	**4.31**	**2.85 J**	< 1 U	< 1 U	< 1 U
2,4-Dinitrophenol	ug/L	NA	NA	NA	NA	NA	NA	< 48 U [< 9.5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	ug/L	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	ug/L	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	ug/L	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chlorophenol	ug/L	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methyl-4,6-dinitrophenol	ug/L	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylphenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitroaniline	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitrophenol	ug/L	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3-Dichlorobenzidine	ug/L	NA	NA	NA	NA	NA	NA	< 48 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-Nitroaniline	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Bromophenyl phenyl ether	ug/L	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chloro-3-Methylphenol	ug/L	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorophenyl phenyl ether	ug/L	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitrophenol	ug/L	NA	NA	NA	NA	NA	NA	< 24 U [< 9.5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	ug/L	< 5 U	< 5 U	< 5.81 UM	< 5 U	< 5 UJ	< 5 U	< 9.5 U [< 2.9]	< 0.98	< 2.9	< 2.9	< 2.0	< 1.9	**1.61 F**	**1.14 F**	< 10.4 U	**0.33 J**	**0.707 J**	**0.125 F**	**0.11 F**	**0.0625 F**
Acenaphthylene	ug/L	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetophenone	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	ug/L	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Atrazine	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Azobenzene	ug/L	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzaldehyde	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzidine	ug/L	NA	NA	NA	NA	NA	NA	< 95 U [< 19]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	ug/L	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	ug/L	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	ug/L	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene	ug/L	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	ug/L	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzoic Acid	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzyl Alcohol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	ug/L	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethyl)ether	ug/L	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroisopropyl)ether	ug/L	NA	NA	NA	NA	NA	NA	< 2.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	ug/L	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Butyl benzyl phthalate	ug/L	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Caprolactam	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	ug/L	< 20 U	< 5 U	< 23.3 UM	< 20 U	< 20 U	< 20 U	< 9.5 U [< 2.9]	< 0.98	< 2.9	< 2.9	< 2.0	< 1.9	< 11.1 U	< 10.9 U	< 10.4 U	< 1 U	**0.31 F**	< 1 UJ	< 1 UJ	< 1 U
Chrysene	ug/L	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzo(a,h)anthracene	ug/L	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzofuran	ug/L	< 5 U	< 5 U	< 5.81 UM	< 5 UJ	< 5 UJ	< 5 U	< 9.5 U [< 2.9]	< 0.98	< 2.9	< 2.9	< 2.0	< 1.9	< 11.1 U	< 10.9 U	< 10.4 U	< 0.5 UJ	**0.0721 F**	< 0.5 U	< 0.5 U	< 0.5 U
Dichloromethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethyl phthalate	ug/L	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dimethyl phthalate	ug/L	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-butyl phthalate	ug/L	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-octyl phthalate	ug/L	NA	NA	NA	NA	NA	NA	< 14 U [< 9.5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diphenylamine	ug/L	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	ug/L	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluorene	ug/L	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachloro-1,3-butadiene	ug/L	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	ug/L	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachloroethane	ug/L	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	ug/L	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix B-2
Groundwater Analytical Data, Site SS013
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

	Location	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016
	Sample Date	6/12/2013	9/17/2013	7/9/2014	9/9/2014	12/9/2014	3/11/2015	11/30/2016	6/1/2017	8/11/2017	11/3/2017	5/8/2018	8/22/2018	9/29/2008	12/4/2008	3/24/2009	6/9/2009	9/10/2009	12/16/2009	12/16/2009	3/25/2010
	Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N
Chemical	**Unit**																				
Isophorone	ug/L	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	ug/L	< 5 UM	< 5 U	< 5.81 UM	< 5 U	< 5 UJ	< 5 U	< 9.5 U [< 2.9]	< 0.98	< 2.9	< 2.9	< 2.0	< 1.9	NA	**116 M**	< 10.4 U	**48.5 M**	**178 M**	**5.1 J**	**4.11 J**	**3.38**
Nitrobenzene	ug/L	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitrosodi-n-propylamine	ug/L	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitrosodiphenylamine	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitroso-N-methylethylamine	ug/L	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Chloroaniline	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorophenol	ug/L	NA	NA	NA	NA	NA	NA	< 48 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	ug/L	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenol	ug/L	NA	NA	NA	NA	NA	NA	< 14 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	ug/L	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Xylenes	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs																					
1,1,1,2-Tetrachloroethane	ug/L	NA	NA	NA	NA	NA	NA	< 1 U [< 0.80]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	ug/L	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	ug/L	NA	NA	NA	NA	NA	NA	< 1 U [< 0.80]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-trichloro-1,2,2-trifluoroethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	ug/L	NA	NA	NA	NA	NA	NA	< 1 U [< 0.80]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	ug/L	NA	NA	NA	NA	NA	NA	< 1 U [< 0.80]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	ug/L	NA	NA	NA	NA	NA	NA	< 1 U [< 0.80]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloropropene	ug/L	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	< 1 U [< 0.80]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	ug/L	NA	NA	NA	NA	NA	NA	< 3 U [< 0.80]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	< 1 U [< 0.80]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U [< 0.40]	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	**1.48**	**2.4 F**	< 0.5 U	**0.35 F**	**1.07**	< 1 U	< 1 U	< 1 U
1,2-Dibromo-3-chloropropane	ug/L	NA	NA	NA	NA	NA	NA	< 5 U [< 1.6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane	ug/L	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U [< 0.40]	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.5 U	< 2.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichloroethene, Total	ug/L	NA	NA	NA	NA	NA	NA	< 1 U [< 0.20]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	ug/L	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U [< 0.40]	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	**0.34 F**	< 2.5 U	< 0.5 U	< 1 U	**0.14 F**	< 1 U	< 1 U	< 1 U
1,3-Dichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichloropropane	ug/L	NA	NA	NA	NA	NA	NA	< 1 U [< 0.80]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1-Chlorohexane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-Dichloropropane	ug/L	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	ug/L	NA	NA	NA	NA	NA	NA	< 6 U [< 4.0]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chlorotoluene	ug/L	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorotoluene	ug/L	NA	NA	NA	NA	NA	NA	< 1 U [< 0.80]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	ug/L	NA	NA	NA	NA	NA	NA	< 5 U [< 3.2]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	ug/L	NA	NA	NA	NA	NA	NA	< 10 U [< 6.4]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U [< 0.40]	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	**0.82**	**0.6 F**	< 0.5 U	**0.45 F**	**0.657 F**	**0.12 F**	**0.116 F**	< 1 U
Bromobenzene	ug/L	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromochloromethane	ug/L	NA	NA	NA	NA	NA	NA	< 1 U [< 0.20]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	ug/L	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	ug/L	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane	ug/L	NA	NA	NA	NA	NA	NA	< 2 U [< 0.80]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Disulfide	ug/L	NA	NA	NA	NA	NA	NA	< 2 U [< 1.6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	ug/L	NA	NA	NA	NA	NA	NA	< 2 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CFC-11	ug/L	NA	NA	NA	NA	NA	NA	< 2 U [< 0.80]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CFC-12	ug/L	NA	NA	NA	NA	NA	NA	< 2 U [< 0.80]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorodibromomethane	ug/L	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane	ug/L	NA	NA	NA	NA	NA	NA	< 2 U [< 1.6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	ug/L	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloromethane	ug/L	NA	NA	NA	NA	NA	NA	< 2 U [< 0.80]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	ug/L	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	ug/L	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyclohexane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cymene (p-Isopropyltoluene)	ug/L	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromomethane	ug/L	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichloromethane	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U [< 0.80]	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.5 U	< 2.5 U	< 0.5 U	< 5 U	**1.45 F**	**0.352 F**	< 5 U	< 5 U
Ethylbenzene	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U [< 0.40]	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	**2**	**1.1 F**	< 0.5 U	**0.8 F**	**1.48**	< 1 U	< 1 U	< 1 U
Hexachloro-1,3-butadiene	ug/L	NA	NA	NA	NA	NA	NA	< 1 U [< 0.80]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	ug/L	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m&p-Xylenes	ug/L	NA	NA	NA	NA	NA	NA	< 2 U [< 0.80]	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl N-Butyl Ketone (2-Hexanone)	ug/L	NA	NA	NA	NA	NA	NA	< 5 U [< 4.0]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix B-2
Groundwater Analytical Data, Site SS013
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

	Location	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016
	Sample Date	6/12/2013	9/17/2013	7/9/2014	9/9/2014	12/9/2014	3/11/2015	11/30/2016	6/1/2017	8/11/2017	11/3/2017	5/8/2018	8/22/2018	9/29/2008	12/4/2008	3/24/2009	6/9/2009	9/10/2009	12/16/2009	12/16/2009	3/25/2010
	Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N
Chemical	**Unit**																				
Methylcyclohexane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl-tert-butylether	ug/L	NA	NA	NA	NA	NA	NA	< 5 U [< 0.80]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	ug/L	< 1 UM	**1.04 J**	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U [< 0.80]	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA
n-Butylbenzene	ug/L	NA	NA	NA	NA	NA	NA	< 1 U [< 0.80]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	ug/L	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	ug/L	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	ug/L	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	ug/L	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
tert-Butylbenzene	ug/L	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	ug/L	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U [< 0.40]	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	**1.19**	**0.75 F**	< 0.5 U	**0.83 F**	**0.713 F**	< 1 U	< 1 U	< 1 U
Total Xylenes	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U [< 0.80]	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	**1.92**	**3.4 F**	< 1.5 U	**0.92 F**	**1.56 F**	< 3 U	< 3 U	< 3 U
trans-1,2-Dichloroethene	ug/L	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	ug/L	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U [< 0.40]	< 0.40	< 0.40	**1.3**	< 0.40	< 0.40	< 0.5 U	< 2.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Vinyl chloride	ug/L	< 1 U	< 1 UJ	< 1 U	< 1 U	< 1 U	< 1 U	< 1.5 U [< 0.20]	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	**6**	**5.05**	< 1 U	**3.51**	**4.12**	**1.04**	**0.941 F**	**0.822 F**

Appendix B-2
Groundwater Analytical Data, Site SS013
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

	Location	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016
	Sample Date	3/25/2010	6/7/2010	9/8/2010	9/8/2010	12/2/2010	3/30/2011	6/15/2011	6/12/2013	6/12/2013	9/17/2013	9/17/2013	12/12/2013	12/12/2013	7/9/2014	7/9/2014	9/9/2014	9/9/2014	12/9/2014	12/9/2014	7/14/2015
	Sample Type	FD	N	N	FD	N	N	N	N	FD	N	FD	N	FD	N	FD	N	FD	N	FD	N
Chemical	**Unit**																				
SVOCs																					
1,1-Biphenyl	ug/L	< 0.543 U	< 22.2 U	< 21.3 UM	< 21.5 UM	< 21.3 U	< 23.3 UM	< 20 U	< 20 U	< 20 U	< 20.4 U	< 5 U	< 20 UM	< 20 UM	< 20 UM	< 22.3 UM	< 20 UM	< 20 UM	< 20 U	< 20 U	< 20 U
1,2,4-Trichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-Oxybis(1-Chloropropane)	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dichlorophenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dimethylphenol	ug/L	< 1.09 U	< 5.56 U	< 5.32 UM	< 5.38 M	< 5.32 U	< 5.81 UM	< 5 U	< 5 U	< 5 U	< 5.1 U	< 5 U	< 5 U	< 5 U	< 5 UM	< 5.59 UM	< 5 UM	< 5 UM	< 5 U	< 5 U	< 5 UJ
2,4-Dinitrophenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chlorophenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methyl-4,6-dinitrophenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylphenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitroaniline	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitrophenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3-Dichlorobenzidine	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-Nitroaniline	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Bromophenyl phenyl ether	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chloro-3-Methylphenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorophenyl phenyl ether	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitrophenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	ug/L	**0.0761 F**	< 5.56 U	< 5.32 UM	< 5.38 UM	< 5.32 U	< 5.81 UM	< 5 U	< 5 U	< 5 U	< 5.1 U	< 5 U	< 5 UJ	< 5 UJ	< 5 UM	< 5.59 UM	< 5 UJ	< 5 UJ	< 5 UJ	< 5 UJ	< 5 U
Acenaphthylene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetophenone	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Atrazine	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Azobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzaldehyde	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzidine	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzoic Acid	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzyl Alcohol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethyl)ether	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroisopropyl)ether	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Butyl benzyl phthalate	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Caprolactam	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	ug/L	< 1.09 U	< 22.2 U	< 21.3 U	< 21.5 U	< 21.3 U	< 23.3 U	< 20 U	< 20 U	< 20 U	< 20.4 U	< 5 U	< 20 U	< 20 U	< 20 UM	< 22.3 UM	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Chrysene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzo(a,h)anthracene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzofuran	ug/L	< 0.543 U	< 5.56 UJ	< 5.32 UM	< 5.38 UM	< 5.32 U	< 5.81 UM	< 5 U	< 5 U	< 5 U	< 5.1 U	< 5 U	< 5 U	< 5 U	< 5 UM	< 5.59 UM	< 5 UJ	< 5 UJ	< 5 U	< 5 U	< 5 U
Dichloromethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethyl phthalate	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dimethyl phthalate	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-butyl phthalate	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-octyl phthalate	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diphenylamine	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluorene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachloro-1,3-butadiene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachloroethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix B-2
Groundwater Analytical Data, Site SS013
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

	Location	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016
	Sample Date	3/25/2010	6/7/2010	9/8/2010	9/8/2010	12/2/2010	3/30/2011	6/15/2011	6/12/2013	6/12/2013	9/17/2013	9/17/2013	12/12/2013	12/12/2013	7/9/2014	7/9/2014	9/9/2014	9/9/2014	12/9/2014	12/9/2014	7/14/2015
	Sample Type	FD	N	N	FD	N	N	N	N	FD	N	FD	N	FD	N	FD	N	FD	N	FD	N
Chemical	**Unit**																				
Isophorone	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	ug/L	**4.01**	< 5.56 U	< 5.32 UM	< 5.38 UM	< 5.32 U	< 5.81 UM	< 5 UM	< 5 UM	< 5 UM	**4 F**	**4.19 F**	< 5 UJ	< 5 UJ	< 5 UM	< 5.59 UM	< 5 UJ	< 5 UJ	< 5 UJ	< 5 UJ	< 5 UM
Nitrobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitrosodi-n-propylamine	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitrosodiphenylamine	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitroso-N-methylethylamine	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Chloroaniline	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorophenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Xylenes	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs																					
1,1,1,2-Tetrachloroethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-trichloro-1,2,2-trifluoroethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloropropene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dibromo-3-chloropropane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichloroethene, Total	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,3-Dichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichloropropane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1-Chlorohexane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-Dichloropropane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chlorotoluene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorotoluene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	ug/L	**0.192 F**	< 1 U	< 1 U	< 1 U	< 1 U	**0.339 F**	< 1 U	**0.193 F**	**0.189 F**	**0.452 F**	**0.419 F**	**0.456 F**	**0.448 F**	**0.36 F**	**0.381 F**	**0.353 F**	**0.401 F**	**0.537 F**	**0.499 F**	**0.498 F**
Bromobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromochloromethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Disulfide	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CFC-11	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CFC-12	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorodibromomethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloromethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyclohexane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cymene (p-Isopropyltoluene)	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromomethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichloromethane	ug/L	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Ethylbenzene	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	**0.269 F**	**0.285 F**	**0.309 F**	**0.283 F**	**0.281 F**	**0.309 F**	**0.322 F**	**0.354 F**	**0.379 F**	**0.394 F**	**0.402 F**
Hexachloro-1,3-butadiene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m&p-Xylenes	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl N-Butyl Ketone (2-Hexanone)	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix B-2
Groundwater Analytical Data, Site SS013
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

	Location	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016
	Sample Date	3/25/2010	6/7/2010	9/8/2010	9/8/2010	12/2/2010	3/30/2011	6/15/2011	6/12/2013	6/12/2013	9/17/2013	9/17/2013	12/12/2013	12/12/2013	7/9/2014	7/9/2014	9/9/2014	9/9/2014	12/9/2014	12/9/2014	7/14/2015
	Sample Type	FD	N	N	FD	N	N	N	N	FD	N	FD	N	FD	N	FD	N	FD	N	FD	N
Chemical	**Unit**																					
Methylcyclohexane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl-tert-butylether	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	ug/L	NA	NA	NA	NA	NA	NA	NA	**3.24 M**	**3.68 M**	**4.29 J**	**6.18 J**	**0.432 J**	**0.348 J**	**2.17 M**	**2.3 M**	**1.05**	**0.981 F**	**0.483 F**	**0.454 F**	**0.295 F**
n-Butylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
tert-Butylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	**1.15**
Total Xylenes	ug/L	< 3 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	**0.566 F**	**0.586 F**	**0.766 F**	**0.761 F**	< 1 U	< 1 U	< 1 U	< 1 U	**0.543 F**	**0.521 F**	< 1 U
trans-1,2-Dichloroethene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Vinyl chloride	ug/L	**0.979 F**	< 1 U	< 1 U	< 1 U	< 1 U	**2**	**0.454 F**	**1**	**1.02**	**2.51 J**	**1.51 J**	**2.5**	**2.05**	**2.05**	**2.1**	**2.22**	**2.23**	**2.79**	**2.78**	**2.42**

Appendix B-2
Groundwater Analytical Data, Site SS013
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

	Location	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-017	MW-13-017	MW-13-017	MW-13-017	MW-13-017	MW-13-017
	Sample Date	9/28/2015	11/23/2015	11/29/2016	2/6/2017	2/6/2017	6/1/2017	8/11/2017	8/11/2017	11/3/2017	2/8/2018	2/8/2018	5/8/2018	8/22/2018	8/22/2018	12/8/2014	3/12/2015	9/28/2015	9/28/2015	11/23/2015	11/23/2015
	Sample Type	N	N	N	N	FD	N	N	FD	N	N	FD	N	N	FD	N	N	N	FD	N	FD
Chemical	**Unit**																				
SVOCs																					
1,1-Biphenyl	ug/L	< 20.4 UM	< 20 UJ	< 2.8 [< 9.5 U]	< 2.8	< 2.8	NA	< 2.9	NA	< 2.9	< 2.9	< 3.0	< 1.9	< 2.0	< 2.0	< 20 U	**7.28 M**	**16.2 M**	**18.3 M**	**7.21 J**	**6.59 J**
1,2,4-Trichlorobenzene	ug/L	NA	NA	< 9.5 U [< 2.8]	< 2.8	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	ug/L	NA	NA	< 9.5 U [< 2.8]	< 2.8	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	ug/L	NA	NA	< 9.5 U [< 2.8]	< 2.8	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	ug/L	NA	NA	< 9.5 U [< 2.8]	< 2.8	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-Oxybis(1-Chloropropane)	ug/L	NA	NA	< 9.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	ug/L	NA	NA	< 9.5 U [< 2.8]	NA	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dichlorophenol	ug/L	NA	NA	< 9.5 U [< 2.8]	NA	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dimethylphenol	ug/L	< 5.1 U	< 5 U	< 9.5 U [< 2.8]	NA	< 2.8	< 1.9	< 2.9	NA	< 2.9	< 2.9	< 3.0	< 9.6	< 10	< 10	< 5 U	**48.8 J**	**37.4**	**41.7**	**8.57**	**9.18**
2,4-Dinitrophenol	ug/L	NA	NA	< 47 U [< 9.5]	NA	< 9.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	ug/L	NA	NA	< 9.5 U [< 2.8]	< 2.8	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	ug/L	NA	NA	< 9.5 U [< 2.8]	< 2.8	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	ug/L	NA	NA	< 9.5 U [< 2.8]	< 2.8	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chlorophenol	ug/L	NA	NA	< 9.5 U [< 2.8]	NA	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methyl-4,6-dinitrophenol	ug/L	NA	NA	< 2.8 [< 9.5 U]	NA	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylphenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitroaniline	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitrophenol	ug/L	NA	NA	< 9.5 U [< 2.8]	NA	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3-Dichlorobenzidine	ug/L	NA	NA	< 47 U [< 2.8]	< 2.8	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-Nitroaniline	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Bromophenyl phenyl ether	ug/L	NA	NA	< 9.5 U [< 2.8]	< 2.8	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chloro-3-Methylphenol	ug/L	NA	NA	< 9.5 U [< 2.8]	NA	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorophenyl phenyl ether	ug/L	NA	NA	< 9.5 U [< 2.8]	< 2.8	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitrophenol	ug/L	NA	NA	< 24 U [< 9.5]	NA	< 9.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	ug/L	< 5.1 U	< 5 U	< 9.5 U [< 2.8]	< 2.8	< 2.8	**0.40**	< 2.9	NA	< 2.9	< 2.9	< 3.0	< 1.9	< 2.0	< 2.0	< 5 UJ	**30.9**	**65**	**72.2**	**29.6**	**26.9**
Acenaphthylene	ug/L	NA	NA	< 9.5 U [< 2.8]	< 2.8	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetophenone	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	ug/L	NA	NA	< 9.5 U [< 2.8]	< 2.8	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Atrazine	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Azobenzene	ug/L	NA	NA	< 9.5 U [< 2.8]	< 2.8	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzaldehyde	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzidine	ug/L	NA	NA	< 95 U [< 19]	< 19	< 19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	ug/L	NA	NA	< 2.8 [< 9.5 U]	< 2.8	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	ug/L	NA	NA	< 9.5 U [< 2.8]	< 2.8	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	ug/L	NA	NA	< 9.5 U [< 2.8]	< 2.8	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene	ug/L	NA	NA	< 9.5 U [< 2.8]	< 2.8	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	ug/L	NA	NA	< 9.5 U [< 2.8]	< 2.8	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzoic Acid	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzyl Alcohol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	ug/L	NA	NA	< 9.5 U [< 2.8]	< 2.8	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethyl)ether	ug/L	NA	NA	< 9.5 U [< 2.8]	< 2.8	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroisopropyl)ether	ug/L	NA	NA	< 2.8	< 2.8	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	ug/L	NA	NA	< 9.5 U [< 2.8]	**5.1**	**3.8**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Butyl benzyl phthalate	ug/L	NA	NA	< 9.5 U [< 2.8]	< 2.8	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Caprolactam	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	ug/L	< 20.4 U	< 20 U	< 9.5 U [< 2.8]	< 2.8	< 2.8	< 0.97	< 2.9	NA	< 2.9	< 2.9	< 3.0	< 1.9	< 2.0	< 2.0	< 20 U	**19 F**	**29.3**	**32.2**	**9.48 F**	**9.84 F**
Chrysene	ug/L	NA	NA	< 9.5 U [< 2.8]	< 2.8	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzo(a,h)anthracene	ug/L	NA	NA	< 9.5 U [< 2.8]	< 2.8	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzofuran	ug/L	< 5.1 UJ	< 5 U	< 9.5 U [< 2.8]	< 2.8	< 2.8	< 0.97	< 2.9	NA	< 2.9	< 2.9	< 3.0	< 1.9	< 2.0	< 2.0	< 5 U	**10.3 J**	**28.3**	**31.4**	**12.8**	**12**
Dichloromethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethyl phthalate	ug/L	NA	NA	< 9.5 U [< 2.8]	**2.9**	**1.1**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dimethyl phthalate	ug/L	NA	NA	< 9.5 U [< 2.8]	< 2.8	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-butyl phthalate	ug/L	NA	NA	< 9.5 U [< 2.8]	**3.1**	**2.9**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-octyl phthalate	ug/L	NA	NA	< 9.5 [< 14 U]	< 9.5	< 9.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diphenylamine	ug/L	NA	NA	< 9.5 U [< 2.8]	< 2.8	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	ug/L	NA	NA	< 9.5 U [< 2.8]	< 2.8	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluorene	ug/L	NA	NA	< 9.5 U [< 2.8]	< 2.8	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachloro-1,3-butadiene	ug/L	NA	NA	< 2.8 [< 9.5 U]	< 2.8	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobenzene	ug/L	NA	NA	< 9.5 U [< 2.8]	< 2.8	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	ug/L	NA	NA	< 9.5 U [< 2.8]	< 2.8	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachloroethane	ug/L	NA	NA	< 9.5 U [< 2.8]	< 2.8	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	ug/L	NA	NA	< 9.5 U [< 2.8]	< 2.8	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix B-2
Groundwater Analytical Data, Site SS013
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

	Location	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-017	MW-13-017	MW-13-017	MW-13-017	MW-13-017	MW-13-017
	Sample Date	9/28/2015	11/23/2015	11/29/2016	2/6/2017	2/6/2017	6/1/2017	8/11/2017	8/11/2017	11/3/2017	2/8/2018	2/8/2018	5/8/2018	8/22/2018	8/22/2018	12/8/2014	3/12/2015	9/28/2015	9/28/2015	11/23/2015	11/23/2015
	Sample Type	N	N	N	N	FD	N	N	FD	N	N	FD	N	N	FD	N	N	N	FD	N	FD
Chemical	**Unit**																				
Isophorone	ug/L	NA	NA	< 9.5 U [< 2.8]	< 2.8	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	ug/L	< 5.1 U	< 5 U	< 9.5 U [< 2.8]	< 2.8	< 2.8	< 0.97	< 2.9	NA	< 2.9	< 2.9	< 3.0	< 1.9	< 2.0	< 2.0	**21.7 J**	**664**	**754**	**836**	**331**	**329**
Nitrobenzene	ug/L	NA	NA	< 9.5 U [< 2.8]	< 2.8	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitrosodi-n-propylamine	ug/L	NA	NA	< 9.5 U [< 2.8]	< 2.8	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitrosodiphenylamine	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitroso-N-methylethylamine	ug/L	NA	NA	< 9.5 U [< 2.8]	< 2.8	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Chloroaniline	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorophenol	ug/L	NA	NA	< 47 U [< 2.8]	NA	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	ug/L	NA	NA	< 9.5 U [< 2.8]	< 2.8	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenol	ug/L	NA	NA	< 14 U [< 2.8]	NA	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	ug/L	NA	NA	< 9.5 U [< 2.8]	< 2.8	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Xylenes	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs																					
1,1,1,2-Tetrachloroethane	ug/L	NA	NA	< 1 U [< 0.80]	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	ug/L	NA	NA	< 1 U [< 0.40]	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	ug/L	NA	NA	< 1 U [< 0.80]	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-trichloro-1,2,2-trifluoroethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	ug/L	NA	NA	< 1 U [< 0.80]	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	ug/L	NA	NA	< 1 U [< 0.80]	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	ug/L	NA	NA	< 1 U [< 0.80]	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloropropene	ug/L	NA	NA	< 1 U [< 0.40]	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	ug/L	NA	NA	< 1 U [< 0.80]	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	ug/L	NA	NA	< 3 U [< 0.80]	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	ug/L	NA	NA	< 1 U [< 0.80]	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	ug/L	< 1 U	< 1 U	< 1 U [< 0.40]	< 0.40	NA	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 1 U	**5.81**	**8.05 F**	**8.02 F**	**2.07 F**	**2.03 F**
1,2-Dibromo-3-chloropropane	ug/L	NA	NA	< 5 U [< 1.6]	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane	ug/L	NA	NA	< 0.40 [< 1 U]	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	ug/L	NA	NA	< 1 U [< 0.40]	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	ug/L	< 1 U	< 1 U	< 1 U [< 0.40]	< 0.40	NA	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 1 U	< 1 U	< 10 U	< 10 U	< 5 U	< 5 U
1,2-Dichloroethene, Total	ug/L	NA	NA	< 0.20 [< 1 U]	**0.31**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	ug/L	NA	NA	< 1 U [< 0.40]	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	ug/L	< 1 U	< 1 U	< 0.40 [< 1 U]	< 0.40	NA	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 1 U	**1.93**	< 10 U	< 10 U	< 5 U	< 5 U
1,3-Dichlorobenzene	ug/L	NA	NA	< 1 U [< 0.40]	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichloropropane	ug/L	NA	NA	< 1 U [< 0.80]	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	ug/L	NA	NA	< 1 U [< 0.40]	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1-Chlorohexane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-Dichloropropane	ug/L	NA	NA	< 1 U [< 0.40]	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	ug/L	NA	NA	< 4.0 [< 6 UQ]	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chlorotoluene	ug/L	NA	NA	< 1 U [< 0.40]	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorotoluene	ug/L	NA	NA	< 1 U [< 0.80]	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	ug/L	NA	NA	< 3.2 [< 5 U]	< 3.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	ug/L	NA	NA	< 10 U [< 6.4]	< 6.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	ug/L	**0.566 F**	**0.537 F**	< 1 U [< 0.40]	**0.34**	NA	**0.39**	**0.58**	**0.58**	**0.41**	**0.51**	**0.54**	**0.48**	**0.53**	**0.55**	< 1 U	**0.659 F**	**1.33 F**	**1.37 F**	< 5 U	< 5 U
Bromobenzene	ug/L	NA	NA	< 1 U [< 0.40]	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromochloromethane	ug/L	NA	NA	< 1 U [< 0.20]	< 0.20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	ug/L	NA	NA	< 1 U [< 0.40]	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	ug/L	NA	NA	< 1 U [< 0.40]	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane	ug/L	NA	NA	< 2 U [< 0.80]	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Disulfide	ug/L	NA	NA	< 2 U [< 1.6]	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	ug/L	NA	NA	< 2 U [< 0.40]	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CFC-11	ug/L	NA	NA	< 0.80 [< 2 U]	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CFC-12	ug/L	NA	NA	< 0.80 [< 2 U]	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	ug/L	NA	NA	< 1 U [< 0.40]	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorodibromomethane	ug/L	NA	NA	< 0.40 [< 1 U]	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane	ug/L	NA	NA	< 2 U [< 1.6]	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	ug/L	NA	NA	< 1 U [< 0.40]	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloromethane	ug/L	NA	NA	< 2 U [< 0.80]	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	ug/L	NA	NA	< 0.40 [< 1 U]	**0.31**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	ug/L	NA	NA	< 1 U [< 0.40]	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyclohexane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cymene (p-Isopropyltoluene)	ug/L	NA	NA	< 0.40 [< 1 U]	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromomethane	ug/L	NA	NA	< 1 U [< 0.40]	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichloromethane	ug/L	< 1 U	< 1 U	< 0.80 [< 5 U]	< 0.80	NA	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 1 U	< 1 U	< 10 U	< 10 U	< 5 U	< 5 U
Ethylbenzene	ug/L	**0.361 F**	**0.43 F**	< 1 U [< 0.40]	**0.20**	NA	**0.19**	**0.30**	**0.29**	**0.18**	**0.20**	**0.19**	**0.23**	**0.18**	**0.18**	< 1 U	**2.54**	**4.17 F**	**4.18 F**	< 5 U	< 5 U
Hexachloro-1,3-butadiene	ug/L	NA	NA	< 0.80 [< 1 U]	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	ug/L	NA	NA	< 0.40 [< 1 U]	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m&p-Xylenes	ug/L	NA	NA	< 0.80 [< 2 U]	< 0.80	NA	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA
Methyl Acetate	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl N-Butyl Ketone (2-Hexanone)	ug/L	NA	NA	< 5 U [< 4.0]	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix B-2
Groundwater Analytical Data, Site SS013
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

	Location	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-017	MW-13-017	MW-13-017	MW-13-017	MW-13-017	MW-13-017
	Sample Date	9/28/2015	11/23/2015	11/29/2016	2/6/2017	2/6/2017	6/1/2017	8/11/2017	8/11/2017	11/3/2017	2/8/2018	2/8/2018	5/8/2018	8/22/2018	8/22/2018	12/8/2014	3/12/2015	9/28/2015	9/28/2015	11/23/2015	11/23/2015
	Sample Type	N	N	N	N	FD	N	N	FD	N	N	FD	N	N	FD	N	N	N	FD	N	FD
Chemical	**Unit**																				
Methylcyclohexane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl-tert-butylether	ug/L	NA	NA	< 0.80 [< 5 U]	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	ug/L	< 1 U	**0.221 F**	**0.87 J [0.87]**	< 0.80	NA	< 0.80	**0.25**	< 0.80	< 0.80	< 0.80	< 0.80	**0.32**	< 0.80	< 0.80	**0.882 F**	**1790**	**1960**	**1950**	**578**	**544**
n-Butylbenzene	ug/L	NA	NA	< 1 U [< 0.80]	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	ug/L	NA	NA	< 1 U [< 0.40]	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	ug/L	NA	NA	< 0.40 [< 1 U]	< 0.40	NA	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	**0.36**	< 0.40	< 0.40	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	ug/L	NA	NA	< 1 U [< 0.40]	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	ug/L	NA	NA	< 1 U [< 0.40]	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
tert-Butylbenzene	ug/L	NA	NA	< 1 U [< 0.40]	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	ug/L	NA	NA	< 0.40 [< 1 U]	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	ug/L	**0.321 F**	**0.263 F**	< 1 U [< 0.40]	< 0.40	NA	**0.19**	< 0.40	< 0.40	**0.21**	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 1 U	**2.02**	**3.27 F**	**3.64 F**	< 5 U	< 5 U
Total Xylenes	ug/L	< 1 U	< 1 U	< 0.80 [< 2 U]	< 0.80	NA	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	**0.36**	< 0.80	< 0.80	< 1 U	**6.67**	**9.49 F**	**9.01 F**	< 5 U	< 5 U
trans-1,2-Dichloroethene	ug/L	NA	NA	< 1 U [< 0.40]	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	ug/L	NA	NA	< 1 U [< 0.40]	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	ug/L	< 1 U	< 1 U	< 0.40 [< 1 U]	< 0.40	NA	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 1 U	< 1 U	< 10 U	< 10 U	< 5 U	< 5 U
Vinyl chloride	ug/L	**4.08**	**2.83**	**1.7 [1.7]**	**2.1**	NA	**1.7**	**2.6**	**3.2**	**1.7**	**2.8**	**3.3**	**3.1**	**3.0**	**3.3**	< 1 U	**5.64**	**16.6**	**16**	**1.99 F**	**1.79 F**

Appendix B-2
Groundwater Analytical Data, Site SS013
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

	Location	MW-13-017	MW-13-017	MW-13-018	MW-13-019	MW-13-019	MW-13-019	MW-13-020	MW-13-020	MW-13-020	MW-13-020	MW-13-021	MW-13-021	MW-13-021	MW-13-021	MW-13-022	MW-13-022	MW-13-022	MW-13-023	MW-13-023	MW-13-023
	Sample Date	11/29/2016	2/6/2017	12/16/2014	12/8/2014	3/12/2015	8/11/2017	12/9/2014	3/12/2015	2/6/2017	2/6/2017	12/16/2014	3/17/2015	2/6/2017	8/11/2017	12/16/2014	3/16/2015	8/11/2017	12/8/2014	3/16/2015	11/29/2016
	Sample Type	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N
Chemical	**Unit**																				
SVOCs																					
1,1-Biphenyl	ug/L	< 2.9 [< 9.6 U]	< 2.9	< 20 U	**4.38 F**	< 20 UM	**1.0**	< 20 UJ	< 20 UM	< 2.8	NA	**3.87 F**	< 20 UM	< 2.9	< 2.9	< 20 U	< 20 UM	< 2.9	< 20 U	< 20 UM	< 2.8 [< 9.5 U]
1,2,4-Trichlorobenzene	ug/L	< 2.9 [< 9.6 U]	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8	NA	NA	NA	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8 [< 9.5 U]
1,2,4-Trimethylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	ug/L	< 2.9 [< 9.6 U]	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8	NA	NA	NA	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8 [< 9.5 U]
1,2-Dichloroethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	ug/L	< 2.9 [< 9.6 U]	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8	NA	NA	NA	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8 [< 9.5 U]
1,4-Dichlorobenzene	ug/L	< 2.9 [< 9.6 U]	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8	NA	NA	NA	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8 [< 9.5 U]
2,2-Oxybis(1-Chloropropane)	ug/L	< 9.6 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 9.5 U
2,4,5-Trichlorophenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	ug/L	< 2.9 [< 9.6 U]	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2.8 [< 9.5 U]
2,4-Dichlorophenol	ug/L	< 2.9 [< 9.6 U]	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2.8 [< 9.5 U]
2,4-Dimethylphenol	ug/L	< 2.9 [< 9.6 U]	< 2.9	< 5 U	< 5 U	< 5 UJ	< 2.9	< 5 UJ	**32.8 J**	< 2.8	NA	**11.4**	**2.93 F**	NA	< 2.9	< 5 U	< 5 U	< 2.9	< 5 U	**3.97 F**	**1.1 [1.1 J]**
2,4-Dinitrophenol	ug/L	< 9.6 [< 48 U]	< 9.5	NA	NA	NA	NA	NA	NA	< 9.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 9.5 [< 47 U]
2,4-Dinitrotoluene	ug/L	< 2.9 [< 9.6 U]	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8	NA	NA	NA	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8 [< 9.5 U]
2,6-Dinitrotoluene	ug/L	< 2.9 [< 9.6 U]	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8	NA	NA	NA	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8 [< 9.5 U]
2-Chloronaphthalene	ug/L	< 2.9 [< 9.6 U]	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8	NA	NA	NA	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8 [< 9.5 U]
2-Chlorophenol	ug/L	< 2.9 [< 9.6 U]	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2.8 [< 9.5 U]
2-Methyl-4,6-dinitrophenol	ug/L	< 2.9 [< 9.6 U]	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2.8 [< 9.5 U]
2-Methylnaphthalene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylphenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitroaniline	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitrophenol	ug/L	< 2.9 [< 9.6 U]	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2.8 [< 9.5 U]
3,3-Dichlorobenzidine	ug/L	< 2.9 [< 48 U]	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8	NA	NA	NA	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8 [< 47 U]
3-Nitroaniline	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Bromophenyl phenyl ether	ug/L	< 2.9 [< 9.6 U]	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8	NA	NA	NA	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8 [< 9.5 U]
4-Chloro-3-Methylphenol	ug/L	< 2.9 [< 9.6 U]	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2.8 [< 9.5 U]
4-Chlorophenyl phenyl ether	ug/L	< 2.9 [< 9.6 U]	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8	NA	NA	NA	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8 [< 9.5 U]
4-Methylphenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitrophenol	ug/L	< 9.6 [< 24 U]	< 9.5	NA	NA	NA	NA	NA	NA	< 9.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 9.5 [< 24 U]
Acenaphthene	ug/L	< 2.9 [< 9.6 U]	< 2.9	< 5 U	**4.18 F**	**3.05 F**	**3.9**	< 5 UJ	**36.2**	< 2.8	NA	**17.9**	**9.76 J**	< 2.9	< 2.9	< 5 UJ	< 5 U	< 2.9	< 5 UJ	**11.4**	< 2.8 [< 9.5 U]
Acenaphthylene	ug/L	< 2.9 [< 9.6 U]	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8	NA	NA	NA	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8 [< 9.5 U]
Acetophenone	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	ug/L	< 2.9 [< 9.6 U]	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8	NA	NA	NA	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8 [< 9.5 U]
Atrazine	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Azobenzene	ug/L	< 2.9 [< 9.6 U]	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8	NA	NA	NA	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8 [< 9.5 U]
Benzaldehyde	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzidine	ug/L	< 19 [< 96 U]	< 19	NA	NA	NA	NA	NA	NA	< 19	NA	NA	NA	< 19	NA	NA	NA	NA	NA	NA	< 19 [< 95 U]
Benzo(a)anthracene	ug/L	< 2.9 [< 9.6 U]	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8	NA	NA	NA	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8 [< 9.5 U]
Benzo(a)pyrene	ug/L	< 2.9 [< 9.6 U]	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8	NA	NA	NA	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8 [< 9.5 U]
Benzo(b)fluoranthene	ug/L	< 2.9 [< 9.6 U]	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8	NA	NA	NA	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8 [< 9.5 U]
Benzo(g,h,i)perylene	ug/L	< 2.9 [< 9.6 U]	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8	NA	NA	NA	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8 [< 9.5 U]
Benzo(k)fluoranthene	ug/L	< 2.9 [< 9.6 U]	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8	NA	NA	NA	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8 [< 9.5 U]
Benzoic Acid	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzyl Alcohol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	ug/L	< 2.9 [< 9.6 U]	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8	NA	NA	NA	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8 [< 9.5 U]
bis(2-Chloroethyl)ether	ug/L	< 2.9 [< 9.6 U]	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8	NA	NA	NA	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8 [< 9.5 U]
bis(2-Chloroisopropyl)ether	ug/L	< 2.9	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8	NA	NA	NA	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8
bis(2-Ethylhexyl)phthalate	ug/L	< 2.9 [< 9.6 U]	**3.9**	NA	NA	NA	NA	NA	NA	< 2.8	NA	NA	NA	**5.5**	NA	NA	NA	NA	NA	NA	< 2.8 [< 9.5 U]
Butyl benzyl phthalate	ug/L	< 2.9 [< 9.6 U]	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8	NA	NA	NA	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8 [< 9.5 U]
Caprolactam	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	ug/L	< 2.9 [< 9.6 U]	< 2.9	< 20 U	< 20 U	< 20 U	< 2.9	< 20 UJ	**18.8 F**	< 2.8	NA	**7.36 F**	< 20 U	< 2.9	< 2.9	**3.05 F**	< 20 U	< 2.9	< 20 U	**4.97 F**	< 2.8 [< 9.5 U]
Chrysene	ug/L	< 2.9 [< 9.6 U]	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8	NA	NA	NA	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8 [< 9.5 U]
Dibenzo(a,h)anthracene	ug/L	< 2.9 [< 9.6 U]	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8	NA	NA	NA	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8 [< 9.5 U]
Dibenzofuran	ug/L	< 2.9 [< 9.6 U]	< 2.9	< 5 U	**2.63 F**	< 5 U	**2.6**	< 5 UJ	**11.8 J**	< 2.8	NA	**5.12**	< 5 U	< 2.9	< 2.9	< 5 U	< 5 U	< 2.9	< 5 U	**3.72 F**	< 2.8 [< 9.5 U]
Dichloromethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethyl phthalate	ug/L	< 2.9 [< 9.6 U]	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8	NA	NA	NA	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8 [< 9.5 U]
Dimethyl phthalate	ug/L	< 2.9 [< 9.6 U]	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8	NA	NA	NA	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8 [< 9.5 U]
Di-n-butyl phthalate	ug/L	< 2.9 [< 9.6 U]	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8	NA	NA	NA	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8 [< 9.5 U]
Di-n-octyl phthalate	ug/L	< 9.6 [< 14 U]	< 9.5	NA	NA	NA	NA	NA	NA	**5.4**	NA	NA	NA	**4.4**	NA	NA	NA	NA	NA	NA	< 9.5 [< 14 U]
Diphenylamine	ug/L	< 2.9 [< 9.6 U]	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8	NA	NA	NA	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8 [< 9.5 U]
Ethylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	ug/L	< 2.9 [< 9.6 U]	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8	NA	NA	NA	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8 [< 9.5 U]
Fluorene	ug/L	< 2.9 [< 9.6 U]	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8	NA	NA	NA	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8 [< 9.5 U]
Hexachloro-1,3-butadiene	ug/L	< 2.9 [< 9.6 U]	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8	NA	NA	NA	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8 [< 9.5 U]
Hexachlorobenzene	ug/L	< 2.9 [< 9.6 U]	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8	NA	NA	NA	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8 [< 9.5 U]
Hexachlorocyclopentadiene	ug/L	< 2.9 [< 9.6 U]	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8	NA	NA	NA	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8 [< 9.5 U]
Hexachloroethane	ug/L	< 2.9 [< 9.6 U]	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8	NA	NA	NA	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8 [< 9.5 U]
Indeno(1,2,3-cd)pyrene	ug/L	< 2.9 [< 9.6 U]	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8	NA	NA	NA	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8 [< 9.5 U]

Appendix B-2
Groundwater Analytical Data, Site SS013
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

	Location	MW-13-017	MW-13-017	MW-13-018	MW-13-019	MW-13-019	MW-13-019	MW-13-020	MW-13-020	MW-13-020	MW-13-020	MW-13-021	MW-13-021	MW-13-021	MW-13-021	MW-13-022	MW-13-022	MW-13-022	MW-13-023	MW-13-023	MW-13-023
	Sample Date	11/29/2016	2/6/2017	12/16/2014	12/8/2014	3/12/2015	8/11/2017	12/9/2014	3/12/2015	2/6/2017	2/6/2017	12/16/2014	3/17/2015	2/6/2017	8/11/2017	12/16/2014	3/16/2015	8/11/2017	12/8/2014	3/16/2015	11/29/2016
	Sample Type	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N
Chemical	**Unit**																				
Isophorone	ug/L	< 2.9 [< 9.6 U]	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8	NA	NA	NA	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8 [< 9.5 U]
Naphthalene	ug/L	< 2.9 [< 9.6 U]	< 2.9	< 5 U	< 5 UJ	< 5 U	< 2.9	**17.4 J**	**621**	< 2.8	NA	**301 J**	**243 J**	**3.1**	< 2.9	< 5 UJ	**2.52 F**	< 2.9	**23 J**	**223**	**45 [45]**
Nitrobenzene	ug/L	< 2.9 [< 9.6 U]	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8	NA	NA	NA	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8 [< 9.5 U]
N-Nitrosodi-n-propylamine	ug/L	< 2.9 [< 9.6 U]	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8	NA	NA	NA	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8 [< 9.5 U]
N-Nitrosodiphenylamine	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitroso-N-methylethylamine	ug/L	< 2.9 [< 9.6 U]	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8	NA	NA	NA	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8 [< 9.5 U]
p-Chloroaniline	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorophenol	ug/L	< 2.9 [< 48 U]	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2.8 [< 47 U]
Phenanthrene	ug/L	< 2.9 [< 9.6 U]	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8	NA	NA	NA	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8 [< 9.5 U]
Phenol	ug/L	< 2.9 [< 14 U]	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2.8 [< 14 U]
Pyrene	ug/L	< 2.9 [< 9.6 U]	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8	NA	NA	NA	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8 [< 9.5 U]
Toluene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Xylenes	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs																					
1,1,1,2-Tetrachloroethane	ug/L	< 0.80 [< 1 U]	< 0.80	NA	NA	NA	NA	NA	NA	< 0.80	< 0.80	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	< 0.80 [< 1 U]
1,1,1-Trichloroethane	ug/L	< 0.40 [< 1 U]	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40	< 0.40	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40 [< 1 U]
1,1,2,2-Tetrachloroethane	ug/L	< 0.80 [< 1 U]	< 0.80	NA	NA	NA	NA	NA	NA	< 0.80	< 0.80	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	< 0.80 [< 1 U]
1,1,2-trichloro-1,2,2-trifluoroethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	ug/L	< 0.80 [< 1 U]	< 0.80	NA	NA	NA	NA	NA	NA	< 0.80	< 0.80	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	< 0.80 [< 1 U]
1,1-Dichloroethane	ug/L	< 0.80 [< 1 U]	< 0.80	NA	NA	NA	NA	NA	NA	< 0.80	< 0.80	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	< 0.80 [< 1 U]
1,1-Dichloroethene	ug/L	< 0.80 [< 1 U]	< 0.80	NA	NA	NA	NA	NA	NA	< 0.80	< 0.80	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	< 0.80 [< 1 U]
1,1-Dichloropropene	ug/L	< 0.40 [< 1 U]	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40	< 0.40	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40 [< 1 U]
1,2,3-Trichlorobenzene	ug/L	< 0.80 [< 1 U]	< 0.80	NA	NA	NA	NA	NA	NA	< 0.80	< 0.80	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	< 0.80 [< 1 U]
1,2,3-Trichloropropane	ug/L	< 0.80 [< 3 U]	< 0.80	NA	NA	NA	NA	NA	NA	< 0.80	< 0.80	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	< 0.80 [< 3 U]
1,2,4-Trichlorobenzene	ug/L	< 0.80 [< 1 U]	< 0.80	NA	NA	NA	NA	NA	NA	< 0.80	< 0.80	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	< 0.80 [< 1 U]
1,2,4-Trimethylbenzene	ug/L	< 0.40 [< 1 U]	< 0.40	< 1 U	**59.7**	**17.9**	**0.56**	**2.04**	**6.16**	**0.24**	**0.30**	**3.56**	**2.01 F**	**0.24**	**0.25**	< 1 U	**2.16**	**1.0**	**76.3**	**30.4**	**28 [28]**
1,2-Dibromo-3-chloropropane	ug/L	< 1.6 [< 5 U]	< 1.6	NA	NA	NA	NA	NA	NA	< 1.6	< 1.6	NA	NA	< 1.6	NA	NA	NA	NA	NA	NA	< 1.6 [< 5 U]
1,2-Dibromoethane	ug/L	< 0.40 [< 1 U]	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40	< 0.40	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40 [< 1 U]
1,2-Dichlorobenzene	ug/L	< 0.40 [< 1 U]	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40	< 0.40	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40 [< 1 U]
1,2-Dichloroethane	ug/L	< 0.40 [< 1 U]	< 0.40	< 1 U	< 1 U	< 1 U	< 0.40	< 1 U	< 1 U	< 0.40	< 0.40	< 1 U	< 2.5 U	< 0.40	< 0.40	< 1 U	< 1 U	< 0.40	< 1 U	**0.556 F**	< 0.40 [< 1 U]
1,2-Dichloroethene, Total	ug/L	< 0.20 [< 1 U]	< 0.20	NA	NA	NA	NA	NA	NA	< 0.20	< 0.20	NA	NA	< 0.20	NA	NA	NA	NA	NA	NA	< 0.20 [< 1 U]
1,2-Dichloropropane	ug/L	< 0.40 [< 1 U]	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40	< 0.40	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40 [< 1 U]
1,3,5-Trimethylbenzene	ug/L	< 0.40 [< 1 U]	< 0.40	< 1 U	**1.42**	**0.333 F**	**0.64**	**1.61**	**2.37**	**0.32**	**0.32**	**1.22**	< 2.5 U	**0.46**	< 0.40	< 1 U	< 1 U	**0.55**	**20.1**	**0.474 F**	< 0.40 [< 1 U]
1,3-Dichlorobenzene	ug/L	< 0.40 [< 1 U]	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40	< 0.40	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40 [< 1 U]
1,3-Dichloropropane	ug/L	< 0.80 [< 1 U]	< 0.80	NA	NA	NA	NA	NA	NA	< 0.80	< 0.80	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	< 0.80 [< 1 U]
1,4-Dichlorobenzene	ug/L	< 0.40 [< 1 U]	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40	< 0.40	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40 [< 1 U]
1-Chlorohexane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-Dichloropropane	ug/L	< 0.40 [< 1 U]	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40	< 0.40	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40 [< 1 U]
2-Butanone (MEK)	ug/L	< 4.0 [< 6 UQ]	< 4.0	NA	NA	NA	NA	NA	NA	**4.0**	**4.6**	NA	NA	**13**	NA	NA	NA	NA	NA	NA	**9.7 [9.7 QJ]**
2-Chlorotoluene	ug/L	< 0.40 [< 1 U]	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40	< 0.40	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40 [< 1 U]
4-Chlorotoluene	ug/L	< 0.80 [< 1 U]	< 0.80	NA	NA	NA	NA	NA	NA	< 0.80	< 0.80	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	< 0.80 [< 1 U]
4-Methyl-2-Pentanone	ug/L	< 3.2 [< 5 U]	< 3.2	NA	NA	NA	NA	NA	NA	< 3.2	< 3.2	NA	NA	< 3.2	NA	NA	NA	NA	NA	NA	< 3.2 [< 5 U]
Acetone	ug/L	< 6.4 [< 10 U]	< 6.4	NA	NA	NA	NA	NA	NA	**3.3**	**4.8**	NA	NA	**4.5**	NA	NA	NA	NA	NA	NA	**2.0 [2 J]**
Benzene	ug/L	< 0.40 [< 1 U]	< 0.40	< 1 U	**0.164 F**	< 1 U	< 0.40	< 1 U	**1.23**	< 0.40	< 0.40	**1.09**	**0.955 F**	**0.55**	**0.30**	**0.469 F**	**0.219 F**	< 0.40	< 1 U	**1.11**	< 0.40 [< 1 U]
Bromobenzene	ug/L	< 0.40 [< 1 U]	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40	< 0.40	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40 [< 1 U]
Bromochloromethane	ug/L	< 0.20 [< 1 U]	< 0.20	NA	NA	NA	NA	NA	NA	< 0.20	< 0.20	NA	NA	< 0.20	NA	NA	NA	NA	NA	NA	< 0.20 [< 1 U]
Bromodichloromethane	ug/L	< 0.40 [< 1 U]	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40	< 0.40	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40 [< 1 U]
Bromoform	ug/L	< 0.40 [< 1 U]	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40	< 0.40	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40 [< 1 U]
Bromomethane	ug/L	< 0.80 [< 2 U]	< 0.80	NA	NA	NA	NA	NA	NA	< 0.80	< 0.80	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	< 0.80 [< 2 U]
Carbon Disulfide	ug/L	< 1.6 [< 2 U]	< 1.6	NA	NA	NA	NA	NA	NA	< 1.6	< 1.6	NA	NA	< 1.6	NA	NA	NA	NA	NA	NA	< 1.6 [< 2 U]
Carbon Tetrachloride	ug/L	< 0.40 [< 2 U]	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40	< 0.40	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40 [< 2 U]
CFC-11	ug/L	< 0.80 [< 2 U]	< 0.80	NA	NA	NA	NA	NA	NA	< 0.80	< 0.80	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	< 0.80 [< 2 U]
CFC-12	ug/L	< 0.80 [< 2 U]	< 0.80	NA	NA	NA	NA	NA	NA	< 0.80	< 0.80	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	< 0.80 [< 2 U]
Chlorobenzene	ug/L	< 0.40 [< 1 U]	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40	< 0.40	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40 [< 1 U]
Chlorodibromomethane	ug/L	< 0.40 [< 1 U]	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40	< 0.40	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40 [< 1 U]
Chloroethane	ug/L	< 1.6 [< 2 U]	< 1.6	NA	NA	NA	NA	NA	NA	< 1.6	< 1.6	NA	NA	< 1.6	NA	NA	NA	NA	NA	NA	< 1.6 [< 2 U]
Chloroform	ug/L	< 0.40 [< 1 U]	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40	< 0.40	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40 [< 1 U]
Chloromethane	ug/L	< 0.80 [< 2 U]	< 0.80	NA	NA	NA	NA	NA	NA	< 0.80	< 0.80	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	< 0.80 [< 2 U]
cis-1,2-Dichloroethene	ug/L	< 0.40 [< 1 U]	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40	< 0.40	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40 [< 1 U]
cis-1,3-Dichloropropene	ug/L	< 0.40 [< 1 U]	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40	< 0.40	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40 [< 1 U]
Cyclohexane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cymene (p-Isopropyltoluene)	ug/L	< 0.40 [< 1 U]	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40	< 0.40	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40 [< 1 U]
Dibromomethane	ug/L	< 0.40 [< 1 U]	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40	< 0.40	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40 [< 1 U]
Dichloromethane	ug/L	< 0.80 [< 5 U]	< 0.80	< 1 U	< 1 U	< 1 U	< 0.80	< 1 U	< 1 U	< 0.80	< 0.80	< 1 U	< 2.5 U	< 0.80	< 0.80	< 1 U	< 1 U	< 0.80	< 1 U	< 1 U	< 0.80 [< 5 U]
Ethylbenzene	ug/L	< 0.40 [< 1 U]	< 0.40	< 1 U	< 1 U	< 1 U	< 0.40	**0.857 F**	**4.06**	**0.31**	**0.41**	**4.59**	**3.59**	**0.24**	< 0.40	< 1 U	< 1 U	< 0.40	**0.339 F**	**3.06**	< 0.40 [< 1 U]
Hexachloro-1,3-butadiene	ug/L	< 0.80 [< 1 U]	< 0.80	NA	NA	NA	NA	NA	NA	< 0.80	< 0.80	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	< 0.80 [< 1 U]
Isopropylbenzene	ug/L	< 0.40 [< 1 U]	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40	< 0.40	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	**1.0 [1]**
m&p-Xylenes	ug/L	< 0.80 [< 2 U]	< 0.80	NA	NA	NA	**0.42**	NA	NA	< 0.80	< 0.80	NA	NA	**0.69**	**0.64**	NA	NA	**0.50**	NA	NA	**7.0 [7]**
Methyl Acetate	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl N-Butyl Ketone (2-Hexanone)	ug/L	< 4.0 [< 5 U]	< 4.0	NA	NA	NA	NA	NA	NA	< 4.0	< 4.0	NA	NA	**3.2**	NA	NA	NA	NA	NA	NA	< 4.0 [< 5 U]

Appendix B-2
Groundwater Analytical Data, Site SS013
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

	Location	MW-13-017	MW-13-017	MW-13-018	MW-13-019	MW-13-019	MW-13-019	MW-13-020	MW-13-020	MW-13-020	MW-13-020	MW-13-021	MW-13-021	MW-13-021	MW-13-021	MW-13-022	MW-13-022	MW-13-022	MW-13-023	MW-13-023	MW-13-023
	Sample Date	11/29/2016	2/6/2017	12/16/2014	12/8/2014	3/12/2015	8/11/2017	12/9/2014	3/12/2015	2/6/2017	2/6/2017	12/16/2014	3/17/2015	2/6/2017	8/11/2017	12/16/2014	3/16/2015	8/11/2017	12/8/2014	3/16/2015	11/29/2016
	Sample Type	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N
Chemical	**Unit**																				
Methylcyclohexane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl-tert-butylether	ug/L	< 0.80 [< 5 U]	< 0.80	NA	NA	NA	NA	NA	NA	< 0.80	< 0.80	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	< 0.80 [< 5 U]
Naphthalene	ug/L	< 0.80 [< 1 U]	< 0.80	< 1 U	**4.2**	**72.5**	**2.5**	**40.6**	**2120**	< 0.80	**11**	**776**	**437**	**4.1**	**2.4**	**0.733 F**	**3.16**	**2.0**	**111**	**720**	**73 [73]**
n-Butylbenzene	ug/L	< 0.80 [< 1 U]	< 0.80	NA	NA	NA	NA	NA	NA	< 0.80	< 0.80	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	< 0.80 [< 1 U]
n-Propylbenzene	ug/L	< 0.40 [< 1 U]	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40	< 0.40	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	**1.4 [1.4]**
o-Xylene	ug/L	< 0.40 [< 1 U]	< 0.40	NA	NA	NA	**1.6**	NA	NA	< 0.40	< 0.40	NA	NA	**0.30**	**0.34**	NA	NA	< 0.40	NA	NA	< 0.40 [< 1 U]
sec-Butylbenzene	ug/L	< 0.40 [< 1 U]	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40	< 0.40	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40 [< 1 U]
Styrene (Monomer)	ug/L	< 0.40 [< 1 U]	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40	< 0.40	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40 [< 1 U]
tert-Butylbenzene	ug/L	< 0.40 [< 1 U]	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40	< 0.40	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40 [< 1 U]
Tetrachloroethene	ug/L	< 0.40 [< 1 U]	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40	< 0.40	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40 [< 1 U]
Toluene	ug/L	< 0.40 [< 1 U]	< 0.40	< 1 U	< 1 U	< 1 U	< 0.40	< 1 U	**2.75**	< 0.40	< 0.40	**2.26**	**1.62 F**	**0.72**	**0.48**	< 1 U	< 1 U	< 0.40	< 1 U	**2.24**	**0.70 [0.7 J]**
Total Xylenes	ug/L	< 0.80 [< 2 U]	< 0.80	< 1 U	**2.41**	**1.42**	**2.0**	**1.54**	**8.53**	< 0.80	< 0.80	**5.47**	**4.07**	**0.99**	**0.98**	< 1 U	**1.39**	**0.50**	**22.9**	**12.2**	**7.0 [7]**
trans-1,2-Dichloroethene	ug/L	< 0.40 [< 1 U]	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40	< 0.40	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40 [< 1 U]
trans-1,3-Dichloropropene	ug/L	< 0.40 [< 1 U]	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40	< 0.40	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40 [< 1 U]
Trichloroethene	ug/L	< 0.40 [< 1 U]	< 0.40	< 1 U	< 1 U	< 1 U	< 0.40	< 1 U	< 1 U	< 0.40	< 0.40	< 1 U	< 2.5 U	< 0.40	< 0.40	< 1 U	< 1 U	< 0.40	< 1 U	< 1 U	< 0.40 [< 1 U]
Vinyl chloride	ug/L	< 0.20 [< 1.5 U]	< 0.20	< 1 U	**9.91**	**9.56**	**0.17**	< 1 U	**7.71**	**0.11**	**0.42**	**4.52**	**2.91**	< 0.20	< 0.20	**4.37**	**2.29**	**2.0**	< 1 U	**5.96**	< 0.20 [< 1.5 U]

Appendix B-2
Groundwater Analytical Data, Site SS013
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

	Location	MW-13-023	MW-13-023	MW-13-024	MW-13-024	MW-13-024	MW-13-025	MW-13-025	MW-13-025	MW-13-026	MW-13-027	MW-13-028	MW-13-029	MW-13-030	MW-13-031	MW-13-032	MW-13-032	MW-13-033	SW-13-004	SW-13-004	SW-13-004
	Sample Date	2/6/2017	8/11/2017	12/15/2014	3/17/2015	8/11/2017	12/15/2014	3/11/2015	8/11/2017	12/16/2014	12/17/2014	12/17/2014	12/16/2014	12/17/2014	12/17/2014	12/8/2014	3/16/2015	12/16/2014	3/30/2011	3/30/2011	6/15/2011
	Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N
Chemical	**Unit**																				
SVOCs																					
1,1-Biphenyl	ug/L	< 2.9	< 2.9	< 20 U	< 20 UM	**1.1**	< 20 U	< 20 UM	< 2.9	< 22 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 UM	< 20 U	< 22.2 UM	< 21.1 UM	< 20 U
1,2,4-Trichlorobenzene	ug/L	< 2.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	ug/L	< 2.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	ug/L	< 2.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	ug/L	< 2.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-Oxybis(1-Chloropropane)	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dichlorophenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dimethylphenol	ug/L	NA	< 2.9	< 5 U	< 5 U	NA	< 5 U	< 5 U	< 2.9	< 5.49 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5.56 UM	< 5.26 UM	< 5 U
2,4-Dinitrophenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	ug/L	< 2.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	ug/L	< 2.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	ug/L	< 2.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chlorophenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methyl-4,6-dinitrophenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylphenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitroaniline	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitrophenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3-Dichlorobenzidine	ug/L	< 2.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-Nitroaniline	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Bromophenyl phenyl ether	ug/L	< 2.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chloro-3-Methylphenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorophenyl phenyl ether	ug/L	< 2.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitrophenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	ug/L	**2.3**	**1.9**	**3.37 F**	**4.17 F**	**2.1**	< 5 UJ	< 5 U	< 2.9	< 5.49 UJ	< 5 UJ	< 5 UJ	< 5 UJ	< 5 UJ	< 5 UJ	< 5 U	< 5 U	< 5 U	< 5.56 UM	< 5.26 UM	< 5 UJ
Acenaphthylene	ug/L	< 2.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetophenone	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	ug/L	< 2.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Atrazine	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Azobenzene	ug/L	< 2.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzaldehyde	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzidine	ug/L	< 19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	ug/L	< 2.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	ug/L	< 2.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	ug/L	< 2.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene	ug/L	< 2.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	ug/L	< 2.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzoic Acid	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzyl Alcohol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	ug/L	< 2.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethyl)ether	ug/L	< 2.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroisopropyl)ether	ug/L	< 2.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	ug/L	**4.2**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Butyl benzyl phthalate	ug/L	< 2.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Caprolactam	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	ug/L	< 2.9	< 2.9	< 20 U	< 20 U	< 2.9	< 20 U	< 20 U	< 2.9	< 22 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 22.2 U	< 21.1 U	< 20 U
Chrysene	ug/L	< 2.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzo(a,h)anthracene	ug/L	< 2.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzofuran	ug/L	< 2.9	< 2.9	< 5 UJ	< 5 U	**1.3**	< 5 UJ	< 5 U	< 2.9	< 5.49 U	< 5 U	< 5 U	< 5 U	< 5 UJ	< 5 UJ	< 5 U	< 5 U	< 5 U	< 5.56 UM	< 5.26 UM	< 5 U
Dichloromethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethyl phthalate	ug/L	< 2.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dimethyl phthalate	ug/L	< 2.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-butyl phthalate	ug/L	< 2.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-octyl phthalate	ug/L	< 9.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diphenylamine	ug/L	< 2.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	ug/L	< 2.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluorene	ug/L	**0.96**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachloro-1,3-butadiene	ug/L	< 2.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobenzene	ug/L	< 2.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	ug/L	< 2.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachloroethane	ug/L	< 2.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	ug/L	< 2.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix B-2
Groundwater Analytical Data, Site SS013
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

	Location	MW-13-023	MW-13-023	MW-13-024	MW-13-024	MW-13-024	MW-13-025	MW-13-025	MW-13-025	MW-13-026	MW-13-027	MW-13-028	MW-13-029	MW-13-030	MW-13-031	MW-13-032	MW-13-032	MW-13-033	SW-13-004	SW-13-004	SW-13-004
	Sample Date	2/6/2017	8/11/2017	12/15/2014	3/17/2015	8/11/2017	12/15/2014	3/11/2015	8/11/2017	12/16/2014	12/17/2014	12/17/2014	12/16/2014	12/17/2014	12/17/2014	12/8/2014	3/16/2015	12/16/2014	3/30/2011	3/30/2011	6/15/2011
	Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N
Chemical	**Unit**																				
Isophorone	ug/L	< 2.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	ug/L	**18**	**14**	**21.2**	**25.7 J**	**9.2**	**30.4 J**	**19.3**	**17**	< 5.49 UJ	< 5 UJ	< 5 UJ	< 5 UJ	< 5 UJ	< 5 UJ	< 5 U	< 5 U	< 5 U	< 5.56 UM	< 5.26 UM	< 5 UM
Nitrobenzene	ug/L	< 2.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitrosodi-n-propylamine	ug/L	< 2.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitrosodiphenylamine	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitroso-N-methylethylamine	ug/L	< 2.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Chloroaniline	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorophenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	ug/L	< 2.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	ug/L	< 2.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Xylenes	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs																					
1,1,1,2-Tetrachloroethane	ug/L	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	ug/L	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	ug/L	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-trichloro-1,2,2-trifluoroethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	ug/L	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	ug/L	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	ug/L	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloropropene	ug/L	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	ug/L	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	ug/L	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	ug/L	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	ug/L	**18**	**58**	**76.4**	**41.1**	**38**	**104**	< 1 U	**38**	**0.335 F**	< 1 U	< 1 U	**0.626 F**	< 1 U	< 1 U	< 1	**0.436 F**	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dibromo-3-chloropropane	ug/L	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane	ug/L	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	ug/L	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	ug/L	< 0.40	< 0.40	< 1 U	< 1 U	< 0.40	< 1 U	< 1 U	< 0.40	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	**0.343 F**	< 1 U	< 1 U	< 1 U
1,2-Dichloroethene, Total	ug/L	< 0.20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	ug/L	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	ug/L	**1.1**	< 0.40	**38.9**	**41.2**	**12**	**25**	**12.1**	**12**	**0.369 F**	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,3-Dichlorobenzene	ug/L	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichloropropane	ug/L	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	ug/L	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1-Chlorohexane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-Dichloropropane	ug/L	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	ug/L	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chlorotoluene	ug/L	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorotoluene	ug/L	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	ug/L	< 3.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	ug/L	< 6.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	ug/L	**0.21**	< 0.40	**0.172 F**	< 1 U	< 0.40	**1.02**	**0.353 F**	**0.78**	**0.284 F**	**0.212 F**	< 1 U	**0.339 F**	< 1 U	**0.336 F**	< 1 U	**0.302 F**	**0.533 F**	< 1 U	< 1 U	< 1 U
Bromobenzene	ug/L	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromochloromethane	ug/L	< 0.20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	ug/L	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	ug/L	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane	ug/L	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Disulfide	ug/L	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	ug/L	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CFC-11	ug/L	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CFC-12	ug/L	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	ug/L	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorodibromomethane	ug/L	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane	ug/L	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	ug/L	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloromethane	ug/L	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	ug/L	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	ug/L	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyclohexane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cymene (p-Isopropyltoluene)	ug/L	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromomethane	ug/L	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichloromethane	ug/L	< 0.80	< 0.80	< 1 U	< 1 U	< 0.80	< 1 U	< 1 U	< 0.80	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Ethylbenzene	ug/L	**0.57**	< 0.40	**6.13**	**1.65**	**1.6**	**0.561 F**	< 1 U	**0.46**	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Hexachloro-1,3-butadiene	ug/L	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	ug/L	**1.1**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m&p-Xylenes	ug/L	**2.0**	**8.4**	NA	NA	**12**	NA	NA	**13**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl N-Butyl Ketone (2-Hexanone)	ug/L	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix B-2
Groundwater Analytical Data, Site SS013
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

	Location	MW-13-023	MW-13-023	MW-13-024	MW-13-024	MW-13-024	MW-13-025	MW-13-025	MW-13-025	MW-13-026	MW-13-027	MW-13-028	MW-13-029	MW-13-030	MW-13-031	MW-13-032	MW-13-032	MW-13-033	SW-13-004	SW-13-004	SW-13-004
	Sample Date	2/6/2017	8/11/2017	12/15/2014	3/17/2015	8/11/2017	12/15/2014	3/11/2015	8/11/2017	12/16/2014	12/17/2014	12/17/2014	12/16/2014	12/17/2014	12/17/2014	12/8/2014	3/16/2015	12/16/2014	3/30/2011	3/30/2011	6/15/2011
	Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N
Chemical	**Unit**																				
Methylcyclohexane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl-tert-butylether	ug/L	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	ug/L	**140**	**76**	**59.3**	**6.14**	**25**	**83.8**	**24.2**	**47**	< 1 U	< 1 U	< 1 U	< 1 U	**0.384 F**	< 1 U	< 1 U	**1.89**	**0.548 F**	NA	NA	NA
n-Butylbenzene	ug/L	**0.71**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	ug/L	**1.3**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	ug/L	**0.56**	**0.31**	NA	NA	**0.70**	NA	NA	**0.58**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	ug/L	**0.50**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	ug/L	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
tert-Butylbenzene	ug/L	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	ug/L	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	ug/L	**0.70**	**0.56**	**0.505 F**	**0.442 F**	**0.39**	**0.501 F**	< 1 U	**0.31**	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Total Xylenes	ug/L	**2.6**	**8.7**	**33.2**	**31.1**	**13**	**54.5**	< 1 U	**14**	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
trans-1,2-Dichloroethene	ug/L	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	ug/L	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	ug/L	< 0.40	< 0.40	< 1 U	< 1 U	< 0.40	< 1 U	< 1 U	< 0.40	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	**4.17**	**4.12**	**5.02**
Vinyl chloride	ug/L	**0.81**	< 0.20	< 1 U	< 1 U	< 0.20	**1.01**	**4.32**	**0.91**	< 1 U	< 1 U	**0.487 F**	< 1 U	< 1 U	**0.621 F**	**3.57**	< 1 U	**1.52**	< 1 U	< 1 U	< 1 U

	Location	SW-13-004	SW-13-005	SW-13-006	SW-23-002	SW-23-002	SW-23-002	SW-23-002
	Sample Date	11/3/2017	6/15/2011	6/15/2011	12/28/2006	12/11/2007	6/22/2011	6/22/2011
	Sample Type	N	N	N	N	N	N	FD
Chemical	**Unit**							
SVOCs								
1,1-Biphenyl	ug/L	< 2.9	< 20 U	< 20 U	NA	NA	NA	NA
1,2,4-Trichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	ug/L	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA
2,2-Oxybis(1-Chloropropane)	ug/L	NA	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	ug/L	NA	NA	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	ug/L	NA	NA	NA	NA	NA	NA	NA
2,4-Dichlorophenol	ug/L	NA	NA	NA	NA	NA	NA	NA
2,4-Dimethylphenol	ug/L	< 2.9	< 5 U	< 5 U	NA	NA	NA	NA
2,4-Dinitrophenol	ug/L	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	ug/L	NA	NA	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	ug/L	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	ug/L	NA	NA	NA	NA	NA	NA	NA
2-Chlorophenol	ug/L	NA	NA	NA	NA	NA	NA	NA
2-Methyl-4,6-dinitrophenol	ug/L	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	ug/L	NA	NA	NA	NA	NA	NA	NA
2-Methylphenol	ug/L	NA	NA	NA	NA	NA	NA	NA
2-Nitroaniline	ug/L	NA	NA	NA	NA	NA	NA	NA
2-Nitrophenol	ug/L	NA	NA	NA	NA	NA	NA	NA
3,3-Dichlorobenzidine	ug/L	NA	NA	NA	NA	NA	NA	NA
3-Nitroaniline	ug/L	NA	NA	NA	NA	NA	NA	NA
4-Bromophenyl phenyl ether	ug/L	NA	NA	NA	NA	NA	NA	NA
4-Chloro-3-Methylphenol	ug/L	NA	NA	NA	NA	NA	NA	NA
4-Chlorophenyl phenyl ether	ug/L	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	ug/L	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	ug/L	NA	NA	NA	NA	NA	NA	NA
4-Nitrophenol	ug/L	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	ug/L	< 2.9	< 5 U	< 5 UJ	NA	NA	NA	NA
Acenaphthylene	ug/L	NA	NA	NA	NA	NA	NA	NA
Acetophenone	ug/L	NA	NA	NA	NA	NA	NA	NA
Anthracene	ug/L	NA	NA	NA	NA	NA	NA	NA
Atrazine	ug/L	NA	NA	NA	NA	NA	NA	NA
Azobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA
Benzaldehyde	ug/L	NA	NA	NA	NA	NA	NA	NA
Benzene	ug/L	NA	NA	NA	NA	NA	NA	NA
Benzidine	ug/L	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	ug/L	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	ug/L	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	ug/L	NA	NA	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene	ug/L	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	ug/L	NA	NA	NA	NA	NA	NA	NA
Benzoic Acid	ug/L	NA	NA	NA	NA	NA	NA	NA
Benzyl Alcohol	ug/L	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	ug/L	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethyl)ether	ug/L	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroisopropyl)ether	ug/L	NA	NA	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	ug/L	NA	NA	NA	< 10.2 U	R	< 5.56 U	< 5.32 U
Butyl benzyl phthalate	ug/L	NA	NA	NA	NA	NA	NA	NA
Caprolactam	ug/L	NA	NA	NA	NA	NA	NA	NA
Carbazole	ug/L	< 2.9	< 20 U	< 20 U	NA	NA	NA	NA
Chrysene	ug/L	NA	NA	NA	NA	NA	NA	NA
Dibenzo(a,h)anthracene	ug/L	NA	NA	NA	NA	NA	NA	NA
Dibenzofuran	ug/L	< 2.9	< 5 U	< 5 U	NA	NA	NA	NA
Dichloromethane	ug/L	NA	NA	NA	NA	NA	NA	NA
Diethyl phthalate	ug/L	NA	NA	NA	NA	NA	NA	NA
Dimethyl phthalate	ug/L	NA	NA	NA	NA	NA	NA	NA
Di-n-butyl phthalate	ug/L	NA	NA	NA	NA	NA	NA	NA
Di-n-octyl phthalate	ug/L	NA	NA	NA	NA	NA	NA	NA
Diphenylamine	ug/L	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	ug/L	NA	NA	NA	NA	NA	NA	NA
Fluorene	ug/L	NA	NA	NA	NA	NA	NA	NA
Hexachloro-1,3-butadiene	ug/L	NA	NA	NA	NA	NA	NA	NA
Hexachlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	ug/L	NA	NA	NA	NA	NA	NA	NA
Hexachloroethane	ug/L	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	ug/L	NA	NA	NA	NA	NA	NA	NA

	Location	SW-13-004	SW-13-005	SW-13-006	SW-23-002	SW-23-002	SW-23-002	SW-23-002
	Sample Date	11/3/2017	6/15/2011	6/15/2011	12/28/2006	12/11/2007	6/22/2011	6/22/2011
	Sample Type	N	N	N	N	N	N	FD
Chemical	**Unit**							
Isophorone	ug/L	NA	NA	NA	NA	NA	NA	NA
Naphthalene	ug/L	< 2.9	< 5 UM	< 5 UM	< 10.2 U	R	< 5.56 U	< 5.32 UJ
Nitrobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA
N-Nitrosodi-n-propylamine	ug/L	NA	NA	NA	NA	NA	NA	NA
N-Nitrosodiphenylamine	ug/L	NA	NA	NA	NA	NA	NA	NA
N-Nitroso-N-methylethylamine	ug/L	NA	NA	NA	NA	NA	NA	NA
p-Chloroaniline	ug/L	NA	NA	NA	NA	NA	NA	NA
Pentachlorophenol	ug/L	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	ug/L	NA	NA	NA	NA	NA	NA	NA
Phenol	ug/L	NA	NA	NA	NA	NA	NA	NA
Pyrene	ug/L	NA	NA	NA	NA	NA	NA	NA
Toluene	ug/L	NA	NA	NA	NA	NA	NA	NA
Total Xylenes	ug/L	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	ug/L	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	ug/L	NA	NA	NA	NA	NA	NA	NA
VOCs								
1,1,1,2-Tetrachloroethane	ug/L	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	ug/L	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	ug/L	NA	NA	NA	NA	NA	NA	NA
1,1,2-trichloro-1,2,2-trifluoroethane	ug/L	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	ug/L	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	ug/L	NA	NA	NA	< 0.5 U	< 0.5 U	< 1 U	< 1 U
1,1-Dichloroethene	ug/L	NA	NA	NA	< 0.5 U	< 0.5 U	< 1 U	< 1 U
1,1-Dichloropropene	ug/L	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	ug/L	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	ug/L	< 0.40	< 1 U	< 1 U	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	ug/L	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane	ug/L	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	ug/L	< 0.40	< 1 U	< 1 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U
1,2-Dichloroethene, Total	ug/L	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	ug/L	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	ug/L	< 0.40	< 1 U	< 1 U	NA	NA	NA	NA
1,3-Dichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA
1,3-Dichloropropane	ug/L	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA
1-Chlorohexane	ug/L	NA	NA	NA	NA	NA	NA	NA
2,2-Dichloropropane	ug/L	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	ug/L	NA	NA	NA	< 5 U	R	< 5 U	< 5 U
2-Chlorotoluene	ug/L	NA	NA	NA	NA	NA	NA	NA
4-Chlorotoluene	ug/L	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	ug/L	NA	NA	NA	NA	NA	NA	NA
Acetone	ug/L	NA	NA	NA	NA	NA	NA	NA
Benzene	ug/L	< 0.40	< 1 U	< 1 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U
Bromobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA
Bromochloromethane	ug/L	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	ug/L	NA	NA	NA	NA	NA	NA	NA
Bromoform	ug/L	NA	NA	NA	NA	NA	NA	NA
Bromomethane	ug/L	NA	NA	NA	NA	NA	NA	NA
Carbon Disulfide	ug/L	NA	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	ug/L	NA	NA	NA	NA	NA	NA	NA
CFC-11	ug/L	NA	NA	NA	NA	NA	NA	NA
CFC-12	ug/L	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	ug/L	NA	NA	NA	< 0.5 U	< 0.5 U	< 1 U	< 1 U
Chlorodibromomethane	ug/L	NA	NA	NA	NA	NA	NA	NA
Chloroethane	ug/L	NA	NA	NA	< 0.5 U	< 0.5 U	< 1 U	< 1 U
Chloroform	ug/L	NA	NA	NA	< 0.5 U	< 0.5 U	**0.296 F**	**0.311 F**
Chloromethane	ug/L	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	ug/L	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	ug/L	NA	NA	NA	NA	NA	NA	NA
Cyclohexane	ug/L	NA	NA	NA	NA	NA	NA	NA
Cymene (p-Isopropyltoluene)	ug/L	NA	NA	NA	NA	NA	NA	NA
Dibromomethane	ug/L	NA	NA	NA	NA	NA	NA	NA
Dichloromethane	ug/L	< 0.80	< 1 U	< 1 U	NA	NA	NA	NA
Ethylbenzene	ug/L	< 0.40	< 1 U	< 1 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U
Hexachloro-1,3-butadiene	ug/L	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA
m&p-Xylenes	ug/L	< 0.80	NA	NA	NA	NA	NA	NA
Methyl Acetate	ug/L	NA	NA	NA	NA	NA	NA	NA
Methyl N-Butyl Ketone (2-Hexanone)	ug/L	NA	NA	NA	NA	NA	NA	NA

Appendix B-2
Groundwater Analytical Data, Site SS013
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

	Location	SW-13-004	SW-13-005	SW-13-006	SW-23-002	SW-23-002	SW-23-002	SW-23-002
	Sample Date	11/3/2017	6/15/2011	6/15/2011	12/28/2006	12/11/2007	6/22/2011	6/22/2011
	Sample Type	N	N	N	N	N	N	FD
Chemical	**Unit**							
Methylcyclohexane	ug/L	NA	NA	NA	NA	NA	NA	NA
Methyl-tert-butylether	ug/L	NA	NA	NA	< 0.5 U	< 0.5 U	< 1 U	< 1 U
Naphthalene	ug/L	< 0.80	NA	NA	NA	NA	NA	NA
n-Butylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA
o-Xylene	ug/L	< 0.40	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	ug/L	NA	NA	NA	NA	NA	NA	NA
tert-Butylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	ug/L	NA	NA	NA	NA	NA	NA	NA
Toluene	ug/L	< 0.40	< 1 U	< 1 U	NA	NA	NA	NA
Total Xylenes	ug/L	< 0.80	< 1 U	< 1 U	< 1.5 U	< 1.5 U	< 1 U	< 1 U
trans-1,2-Dichloroethene	ug/L	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	ug/L	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	ug/L	< 0.40	**6.39**	< 1 U	NA	NA	NA	NA
Vinyl chloride	ug/L	< 0.20	< 1 U	< 1 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U

Notes:

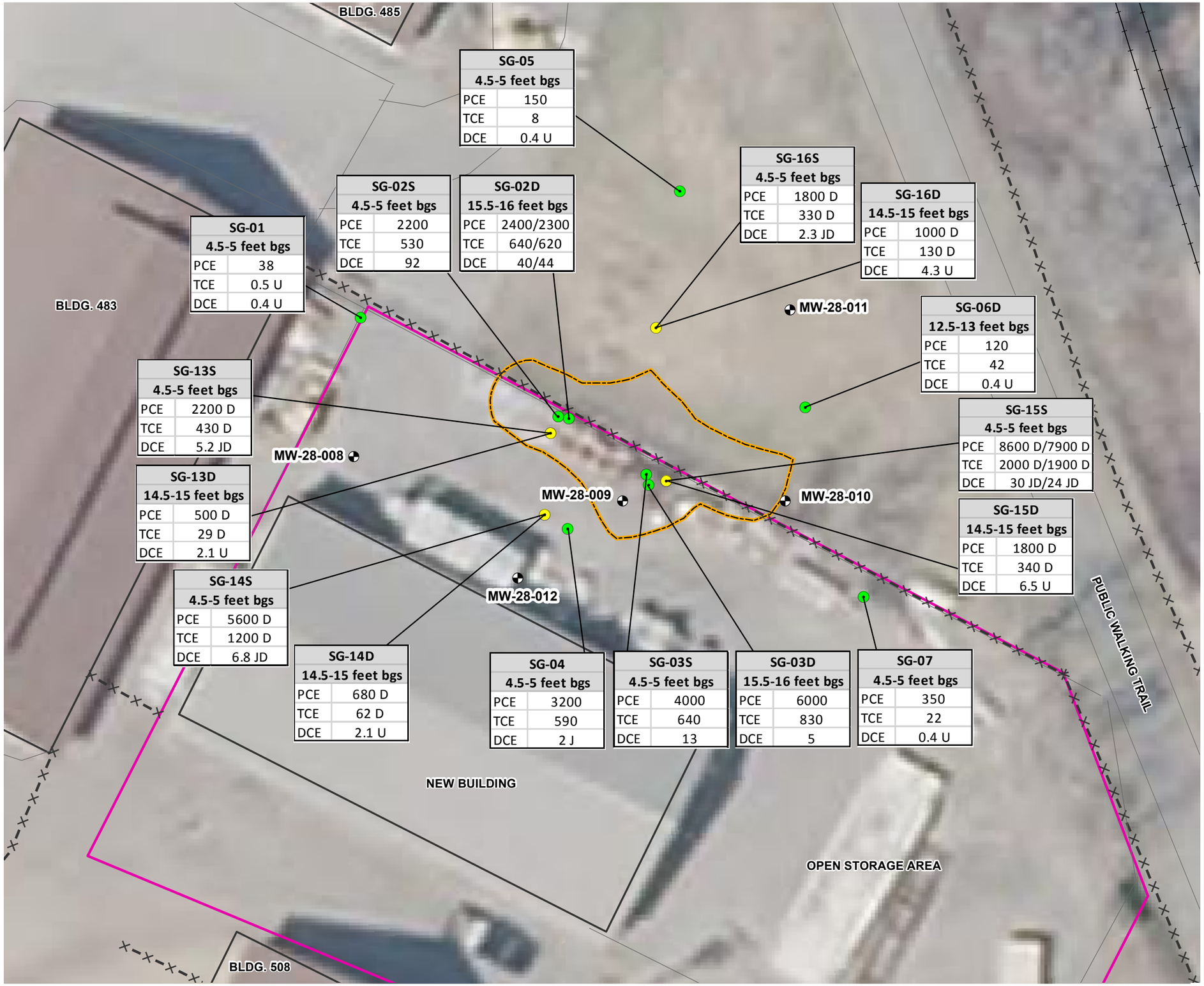
Detections are **boldfaced**

µg/L: micrograms per liter
D: duplicate sample
mg/L: miligrams per liter
N: normal (parent) sample
NA: not analyzed
SVOC: semi-volatile organic compound
VOC: volatile organic compound

Data Qualifiers:
D: Concentration is based on a diluted sample analysis.
J: The compound was positively identified; however, the associated numerical value is an estimated concentration only.
U: The compound was analyzed for but not detected. The associated value is the compound quantitation limit.
UJ: The compound was not detected above the reported sample quantitation limit. However, the reported limit is approximate and may or may not represent the actual limit of quantitation.

APPENDIX B-3

Site SS028



LEGEND:

- Monitoring Well
- 2012 Soil Gas Sample (URS 2012)
- 2017 Soil Gas Sample
- Fence Line
- Delaware and Hudson Railroad
- Excavation Area (1998-1999)
- Site Boundary

Abbreviations:
PCE = Tetrachloroethene (µg/m^3)
TCE = Trichloroethene (µg/m^3)
DCE = Total 1,2-Dicloroethene (µg/m^3)
D = Concentration is based on a diluted sample analysis
J = Laboratory Estimated Result
U= Result Below Laboratory Detection Limit
/ = Duplicate Result

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SCALE IN FEET

FORMER PLATTSBURGH AIR FORCE BASE
PLATTSBURGH, NEW YORK
FIFTH FIVE-YEAR REVIEW

SOIL GAS RESULTS

ARCADIS

APPENDIX
B-3

Citrix DIV/GROUP: ENV/IMDV DB: LD: PIC: PM: TM:
PROJECT: PATH: \\corpstorage\Data\ArcGisData\GISProjects_ENV\AFCEC_Plattsburgh\GIS\ArcMap_MXD\QA Project Plan\Work Plan\2018\Fig2_SS028_SoilGasResults.mxd DATE: 4/9/2018 11:30:21 AM Saved By: sbell

APPENDIX B-4

Landfill LF021

Appendix B-4
Groundwater Analytical Data, Landfill LF021
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-21-001	MW-21-001	MW-21-001	MW-21-002	MW-21-002	MW-21-002	MW-21-002	MW-21-002	MW-21-002	MW-21-002	MW-21-002	MW-21-002	MW-21-002	MW-21-002	MW-21-002
		Sample Date	12/9/1987	11/16/1993	1/11/1994	12/9/1987	11/16/1993	1/11/1994	2/15/1994	3/1/2001	5/29/2001	8/21/2001	11/14/2001	2/19/2002	5/21/2002	8/19/2002	11/18/2002
		Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**															
Aluminum	D	ug/L	**29**	NA	NA	< 200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	NA	NA	NA	NA	NA	NA	NA	**16400**	**2770 M**	**2305 MJ**	**1824 MJ**	**2654 M**	**927 M**	**R**	**1362 M**
Antimony	D	ug/L	< 60	NA	NA	< 60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	NA	NA	NA	NA	NA	NA	NA	< 4.1 U	**3.99 F**	**6.5 F**	< 50 U	**6.8 F**	**10.6 F**	< 50 U	**4.2 F**
Arsenic	D	ug/L	**2.9**	< 1	< 1	**2**	**1.4**	< 1	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	ug/L	NA	**3.8**	**6**	NA	**5.4**	**2**	NA	< 4.4 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U
Barium	D	ug/L	**79**	**81**	**206**	**85**	**165**	**163**	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	ug/L	NA	**265**	**657**	NA	**188**	**196**	NA	**306**	**157**	**140 J**	**154**	**175 J**	**141 J**	**149 J**	**168**
Beryllium	D	ug/L	< 5	NA	NA	< 5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	**0.89 B**	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 4 U
Cadmium	D	ug/L	< 5	< 2.3	< 2.3	< 5	**4.3**	< 2.3	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	ug/L	NA	**3.5**	< 2.3	NA	< 2.3	< 2.3	< 2.3	< 0.4 U	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	**0.23 F**
Calcium	D	ug/L	**114000**	NA	NA	**178000**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	NA	NA	NA	NA	NA	NA	**255000**	**292000**	**164000 M**	**150475 M**	**176155 M**	**171302**	**142384 M**	**137959**	**151214 M**
Chromium	D	ug/L	< 10	< 4.4	< 4.4	< 10	< 4.4	< 4.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	ug/L	NA	**11.2**	**4.5**	NA	**5.1**	**7.3**	NA	**38.6**	**7.37 F**	**6.6 F**	**6.1 F**	**8.5 F**	**3.4 F**	**1.9 F**	**3.5 F**
Cobalt	D	ug/L	**7.4**	NA	NA	**49**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	NA	NA	NA	NA	NA	NA	NA	**20.3**	**7.57 J**	**6.2**	**5.8 F**	**9**	**5.2 F**	**2.9 F**	**3.9 F**
Copper	D	ug/L	< 25	NA	NA	< 25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	NA	NA	NA	NA	NA	NA	NA	**30.6 J**	< 10 U	**3.9 F**	**7.1 F**	**12.7**	< 10 U	**2.1 F**	**2.1 F**
Iron	D	ug/L	**130**	NA	NA	**8360**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	NA	NA	NA	NA	NA	NA	**224000**	**26200**	**5110 M**	**3412 M**	**3826 M**	**4952 M**	**2292 M**	**2469**	**4144**
Lead	D	ug/L	< 5	< 1	< 1	< 5	**1.2**	< 1	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	ug/L	NA	**20.7**	**59.2**	NA	**2.9**	**3.3**	**7.3**	**23.3 J**	**30.3**	**2.9 F**	**5.3 F**	**3.8 F**	**3.6 F**	**3.7 F**	**8.1 F**
Magnesium	D	ug/L	**47500**	NA	NA	**41700**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	NA	NA	NA	NA	NA	NA	**89600**	**108000**	**56300 M**	**52258 M**	**65627**	**63080**	**51464 J**	**49686**	**54644**
Manganese	D	ug/L	**1230**	NA	NA	**3350**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	NA	NA	NA	NA	NA	NA	**2010**	**2500**	**1390**	**1138**	**1421**	**1529**	**1281 J**	**1208 J**	**1375**
Mercury	D	ug/L	NA	< 0.2	< 0.2	NA	< 0.2	< 0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	NA	< 0.2	< 0.2	NA	< 0.2	< 0.2	NA	< 0.1 U	< 1 U	**0.28 F**	< 0.4 U	< 1 UM	< 1 U	< 1 U	< 1 U
Molybdenum	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	D	ug/L	< 40	NA	NA	**37**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	NA	NA	NA	NA	NA	NA	NA	**28.7 J**	**8.34 F**	**8 F**	**8.6 F**	**14.2**	< 10 U	**2.2 F**	**3.5 F**
Potassium	D	ug/L	**5900**	NA	NA	**2440**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	NA	NA	NA	NA	NA	NA	**12400**	**11700**	**6990**	**7059 J**	**6624**	**6939**	**6538 J**	**6859 J**	**7307 M**
Selenium	D	ug/L	NA	< 1	< 1	NA	< 1	< 1	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	NA	< 1	**1.6**	NA	< 1	**2.9**	NA	< 9.9 U	**16.4 F**	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	**7 F**
Silver	D	ug/L	NA	< 4.5	< 4.5	NA	< 4.5	< 4.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	NA	< 4.5	< 4.5	NA	< 4.5	< 4.5	NA	< 0.9 UJ	< 10 U	< 10 UM	< 10 U	< 10 UM	< 10 U	< 10 U	< 10 U
Sodium	D	ug/L	**24300**	NA	NA	**31500**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	NA	NA	NA	NA	NA	NA	**72300**	**62500**	**46900**	**50533 J**	**59066**	**66516 J**	**53775 J**	**52291**	**55794**
Thallium	D	ug/L	**0.93**	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	< 4.3 UJ	< 80 U	< 80 U	< 80 U	< 80 U	**9 F**	**14.9 F**	**15.8 F**
Vanadium	D	ug/L	**6.6**	NA	NA	**6.6**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	**27.5 J**	**6.32 F**	**4.1 F**	**5.1 F**	**6.3 F**	< 10 U	**10.1**	< 10 U
Zinc	D	ug/L	**12**	NA	NA	**19**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	NA	NA	NA	NA	NA	NA	NA	**68.2**	**21 J**	**13.9**	**19.2**	**6.6 F**	**8.4 F**	**6.1 F**	**8.3 F**

Appendix B-4
Groundwater Analytical Data, Landfill LF021
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-21-002	MW-21-002	MW-21-002	MW-21-002	MW-21-002	MW-21-002	MW-21-002	MW-21-002	MW-21-002	MW-21-002	MW-21-002	MW-21-002	MW-21-002	MW-21-003	MW-21-003
		Sample Date	2/25/2003	5/20/2003	8/21/2003	11/18/2003	8/19/2004	8/17/2005	6/29/2006	7/25/2007	6/16/2009	6/24/2010	6/21/2012	7/7/2014	8/2/2018	12/9/1987	12/9/1987
		Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD
Chemical	**Fraction**	**Unit**															
Aluminum	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200	< 200
Aluminum	T	ug/L	**2249 M**	**292 M**	**1469 J**	**3947 M**	**4298 M**	**4100**	**69.8 F**	**58.8 F**	**2200**	**2970 M**	**678**	< 100 U	< 70	NA	NA
Antimony	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 60	< 60
Antimony	T	ug/L	< 50 U	**4.6 M**	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	**0.49 F**	**3.91 M**	< 1 U	< 1 U	< 1.0	NA	NA
Arsenic	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**3.1**	**1.7**
Arsenic	T	ug/L	< 30 U	**10.5 F**	**16.7 F**	< 30 U	< 30 U	**2.9 F**	< 30 U	< 30 U	**2.2 F**	**86.8 M**	**2.54**	**7.65**	**4.8**	< 1	NA
Barium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**90**	**92**
Barium	T	ug/L	**156**	**125**	**143**	**172**	**189**	**220**	**146**	**157**	**200 M**	**169 M**	**192**	**221**	**200**	NA	NA
Beryllium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5	< 5
Beryllium	T	ug/L	< 4 U	< 4 U	**0.26 F**	**0.27 F**	**0.26 F**	< 4 U	< 4 U	< 4 U	< 1 U	< 2 UM	< 2 U	< 2 U	< 0.30	NA	NA
Cadmium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5	< 5
Cadmium	T	ug/L	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	**0.42 F**	**2.41**	**0.39 F**	< 0.6 U	< 1.0	< 5	NA
Calcium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**120000**	**118000**
Calcium	T	ug/L	**153664**	**127065 M**	**134423 M**	**161753 M**	**140191 M**	**150000 M**	**128000**	**124000**	**130000**	**123000 M**	**122000 M**	**129000 M**	**120000**	NA	NA
Chromium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10	< 10
Chromium	T	ug/L	**6.5 F**	**2.8 F**	**2.3 F**	**9.8 F**	**7.6 F**	**9.7 F**	**1.87 F**	**4.58 F**	**4.3**	**12.1**	**3.21**	< 2 U	< 1.8	< 10	NA
Cobalt	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**3.8**	**4.8**
Cobalt	T	ug/L	**5.3 F**	**4.6 F**	**5.5 F**	**7.3 F**	**6.4 F**	**1.7 F**	< 60 U	< 60 U	**8.3**	**10.4**	**6.45**	**5.02**	**4.6**	NA	NA
Copper	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 25	< 25
Copper	T	ug/L	**6.3 F**	**1.1 F**	< 10 U	**9.8 F**	**6.5 F**	**7 F**	< 10 U	< 10 U	**5.2 J**	**19.5**	**2.78**	**1.88 F**	< 1.8	< 10	NA
Iron	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**403**	**448**
Iron	T	ug/L	**5447**	**1277**	**2748**	**6649**	**6595 M**	**8600 M**	**2540 J**	**3050 M**	**6500 J**	**6760 M**	**4840**	**10700 M**	**9600**	**597**	NA
Lead	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5	< 5
Lead	T	ug/L	**5.6 F**	**5.1 F**	**16.6 F**	**11 F**	**7.4 F**	**6.4 F**	**1.23 F**	< 25 U	**3.6**	**11.2**	**1.28**	**1.56**	**0.76**	< 2	NA
Magnesium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**43800**	**45300**
Magnesium	T	ug/L	**58161**	**45406 M**	**49076**	**61574 M**	**50061 M**	**53000**	**42000**	**44700**	**51000**	**40200 M**	**44300**	**43500 M**	**37000**	NA	NA
Manganese	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**529**	**534**
Manganese	T	ug/L	**1413**	**1138 J**	**1236**	**1425 M**	**1318 M**	**1200 M**	**1190**	**1040 J**	**1100 M**	**914 M**	**928**	**894 M**	**800**	NA	NA
Mercury	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	< 1 U	< 1 U	< 1 UM	< 1 U	< 1 UM	< 1 UM	< 1 U	< 1 U	**0.089 F**	**0.11 F**	< 0.2 U	< 0.2 U	< 0.080	NA	NA
Molybdenum	T	ug/L	NA	NA	NA	NA	< 15 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 40	< 40
Nickel	T	ug/L	**5.4 F**	**2.4 F**	< 20 U	**2.4 F**	**9.2 F**	**10 F**	**4.22 F**	**3.51 F**	**8.9**	**18.3**	**15.2**	**6.05**	**3.7**	< 20	NA
Potassium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**1740**	< 5000
Potassium	T	ug/L	**6192**	**5190 J**	**6387**	**7456 M**	**8655**	**9200**	**6330**	**6840**	**7300 J**	**6410 M**	**7270**	**8100**	**7500**	NA	NA
Selenium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	**19.4 F**	< 30 U	**25.3 F**	**24.2 F**	**56.3**	< 30 U	< 30 U	< 30 U	**1.3 F**	**0.914 M**	**3.31**	**0.758 F**	< 2.0	NA	NA
Silver	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	**0.056 F**	< 1 U	< 1 U	< 1 U	< 0.10	< 5	NA
Sodium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**25000**	**25600**
Sodium	T	ug/L	**52320**	**46306**	**51642**	**56461 M**	**49044 M**	**54000 M**	**36100**	**47900**	**55000**	**51100**	**58900**	**78400 M**	**79000**	NA	NA
Thallium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10	< 10
Thallium	T	ug/L	**9.7 F**	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	**0.11 F**	**0.276**	**0.121 F**	**0.145 F**	< 0.20	NA	NA
Vanadium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**5.6**	**5.3**
Vanadium	T	ug/L	**5.5 F**	< 10 U	< 10 U	< 10 U	**8.3 J**	**7.6 F**	< 10 U	< 10 U	**2.9 F**	**5.1**	**1.38**	< 1 U	< 2.0	NA	NA
Zinc	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**5.3**	**6.8**
Zinc	T	ug/L	**15.9 F**	**2.8 F**	**10.5 F**	**17.3 F**	**12.7 M**	**20**	**13.2 F**	< 20 U	**15 J**	**23.2 M**	**12.9 F**	**8.2 F**	**4.4**	< 5	NA

Appendix B-4
Groundwater Analytical Data, Landfill LF021
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-21-003	MW-21-003	MW-21-004	MW-21-004	MW-21-004	MW-21-004	MW-21-004	MW-21-004	MW-21-004	MW-21-004	MW-21-004	MW-21-004	MW-21-004	MW-21-004	MW-21-004
		Sample Date	11/16/1993	1/11/1994	11/16/1993	1/11/1994	3/1/2001	5/29/2001	8/21/2001	11/14/2001	2/19/2002	5/21/2002	8/19/2002	11/18/2002	2/25/2003	5/20/2003	8/21/2003
		Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**															
Aluminum	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	NA	NA	NA	NA	**932**	**538 M**	**190 MF**	**1033 MJ**	**1346 M**	**1850 M**	**R**	**268 M**	**1798 M**	**75.6 M**	**812 J**
Antimony	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	NA	NA	NA	NA	< 4.1 U	< 50 U	**6.6 F**	< 50 U	< 50 U	**10.2 F**	< 50 U	**7.9 F**	< 50 U	< 50 UM	< 50 U
Arsenic	D	ug/L	< 1	**1**	< 1	**1.3**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	ug/L	**1.8**	**4.8**	**1.3**	**1.4**	< 4.4 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	**4.2 F**	< 30 U	< 30 U	**8.3 F**	**17.7 F**
Barium	D	ug/L	**101**	**95.6**	**41.9**	**34.6**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	ug/L	**120**	**130**	**47.6**	**29.3**	**75.6**	**73.2**	**65.7 J**	**83.1**	**85 J**	**85.2 J**	**74.8 J**	**72.8**	**87.8**	**61.2**	**80.8**
Beryllium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	NA	NA	NA	NA	< 0.1 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 4 U	< 4 U	< 4 U	< 4 U
Cadmium	D	ug/L	< 2.3	< 2.3	**4.2**	< 2.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	ug/L	< 2.3	< 2.3	**2.5**	< 2.3	< 0.4 U	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	< 5 U	< 5 U	< 5 U	< 5 U
Calcium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	NA	NA	NA	NA	**117000**	**104000 M**	**99011 M**	**106994 M**	**110643**	**103206 M**	**99210**	**106063 M**	**120087**	**96756 M**	**106993 M**
Chromium	D	ug/L	< 4.4	< 4.4	< 4.4	< 4.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	ug/L	< 4.4	**14.7**	< 4.4	< 4.4	**1.6 B**	< 10 U	**2.5 F**	**2.4 F**	**4.3 F**	**3.6 F**	**0.5 F**	**0.9 F**	**3.1 F**	**2.4 F**	< 10 U
Cobalt	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	NA	NA	NA	NA	< 0.6 U	< 6 U	< 6 U	< 6 U	< 6 U	< 6 U	< 6 U	< 60 U	< 60 U	< 60 U	**0.9 F**
Copper	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	NA	NA	NA	NA	< 3 U	< 10 U	< 10 U	**3.8 F**	**10.5**	< 10 U	< 10 U	< 10 U	**6.4 F**	< 10 U	< 10 U
Iron	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	NA	NA	NA	NA	**4260**	**4090 M**	**2703 M**	**5272 M**	**5319 M**	**5808 M**	**3596**	**4254**	**6386**	**3652**	**4384**
Lead	D	ug/L	< 1	< 1	< 1	< 1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	ug/L	< 1	**4.6**	**2.4**	**1.7**	< 2.1 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	**3.8 F**	< 25 U	< 25 U	< 25 U
Magnesium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	NA	NA	NA	NA	**52300**	**44400 M**	**42601 M**	**51264**	**50513**	**45072 J**	**40206**	**47956**	**51692**	**38857 M**	**42323**
Manganese	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	NA	NA	NA	NA	**163**	**144**	**120**	**180**	**166**	**187 J**	**192 J**	**190**	**339**	**120 J**	**223**
Mercury	D	ug/L	< 0.2	< 0.2	< 0.2	< 0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	< 0.2	< 0.2	< 0.2	< 0.2	< 0.1 U	< 1 U	**0.28 F**	< 0.4 U	< 1 UM	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 UM
Molybdenum	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	NA	NA	NA	NA	< 2.7 U	< 10 U	< 10 U	**2.5 F**	**8.2 F**	< 10 U	< 10 U	< 20 U	< 20 U	< 20 U	< 20 U
Potassium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	NA	NA	NA	NA	**3900**	**3880**	**4096 J**	**4099**	**3944**	**3894 J**	**3417 J**	**4152 M**	**3955**	**2796 J**	**3952**
Selenium	D	ug/L	< 1	< 1	< 1	< 1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	< 1	< 1	< 1	< 1	< 9.9 U	**9.81 F**	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	**6.2 F**	**10.5 F**	< 30 U	**29.7 F**
Silver	D	ug/L	< 4.5	< 4.5	< 4.5	< 4.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	< 4.5	< 4.5	< 4.5	< 4.5	< 0.9 UJ	< 10 U	< 10 UM	< 10 U	< 10 UM	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
Sodium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	NA	NA	NA	NA	**12300**	**11300**	**12259 J**	**14138**	**13101 J**	**10949 J**	**10607**	**13679**	**12351**	**10037**	**11929**
Thallium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	NA	NA	NA	NA	< 4.3 UJ	< 80 U	< 80 U	**6.4 F**	< 80 U	**8.4 F**	**8.8 F**	< 80 U	< 80 U	< 80 U	< 80 U
Vanadium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	NA	NA	NA	NA	< 1 U	< 10 U	< 10 U	**4 F**	**3.6 F**	< 10 U	**8.6 F**	< 10 U	**2.8 F**	< 10 U	< 10 U
Zinc	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	NA	NA	NA	NA	**3.9 B**	**8.16 F**	< 10 U	**7.6 F**	< 10 U	**6.1 F**	**7.7 F**	**2.2 F**	**7.1 F**	< 20 U	**11.9 F**

Appendix B-4
Groundwater Analytical Data, Landfill LF021
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-21-004	MW-21-004	MW-21-004	MW-21-004	MW-21-004	MW-21-004	MW-21-004	MW-21-004	MW-21-004	MW-21-004	MW-21-004	MW-21-005	MW-21-005	MW-21-005	MW-21-005
		Sample Date	11/18/2003	8/19/2004	8/16/2005	6/29/2006	7/25/2007	6/17/2009	6/24/2010	6/21/2012	6/21/2012	7/7/2014	8/2/2018	11/16/1993	1/11/1994	2/15/1994	3/1/2001
		Sample Type	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**															
Aluminum	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	**997 M**	R	**3700**	**375**	**598**	< 200 U	**104 M**	< 100 U	< 100 U	< 100 U	**21**	NA	NA	NA	**5760**
Antimony	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 2 U	**0.518 M**	< 1 U	< 1 U	< 1 U	< 1.0	NA	NA	NA	< 4.1 U
Arsenic	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**3.1**	< 1	NA	NA
Arsenic	T	ug/L	**14.3 F**	< 30 U	< 30 U	< 30 U	< 30 U	< 5 U	**0.819 M**	**0.749 F**	**0.797 F**	< 1 U	**0.65**	**3.5**	< 1	NA	< 4.4 U
Barium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**127**	**132**	NA	NA
Barium	T	ug/L	**78.4**	**70.9**	**110**	**71.9**	**63.4**	**74 M**	**69.8 M**	**60.4**	**60.5**	**51.1**	**53**	**202**	**115**	NA	**171**
Beryllium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	< 4 U	**0.12 F**	< 4 U	< 4 U	< 4 U	< 1 U	< 2 UM	< 2 U	< 2 U	< 2 U	< 0.30	NA	NA	NA	< 0.1 U
Cadmium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**3.3**	< 2.3	NA	NA
Cadmium	T	ug/L	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	**0.2 F**	< 0.6 U	< 300 U	< 300 U	< 0.6 U	< 1.0	**3.7**	< 2.3	< 2.3	< 0.4 U
Calcium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	**108565 M**	**106810 M**	**110000 M**	**115000**	**98200**	**100000**	**123000 M**	**111000 M**	**110000 M**	**97700 M**	**88000**	NA	NA	**158000**	**133000**
Chromium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4.4	< 4.4	NA	NA
Chromium	T	ug/L	**1.4 F**	**0.6 F**	**6.5 F**	**2.17 F**	**5.01 F**	< 2 U	**3.05**	**1.8 F**	**1.89 F**	**1.02 F**	< 1.8	**14**	< 4.4	NA	**8.9 B**
Cobalt	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	< 60 U	< 60 U	< 60 U	< 60 U	< 60 U	**0.56 F**	**0.618 F**	**0.606 F**	**0.732 F**	< 1 U	**1.5**	NA	NA	NA	**3.9 B**
Copper	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	< 10 U	< 10 U	**3.4 F**	**5.69 F**	< 10 U	**0.69 J**	**1.72 F**	< 2 U	< 2 U	< 2 U	< 1.8	NA	NA	NA	**7.6 B**
Iron	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	**4399**	**3030 M**	**7100 M**	**4070 J**	**3350 M**	**3800 J**	**4410 M**	**3230**	**3260**	**1780 M**	**3800**	NA	NA	**22900**	**8930**
Lead	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	NA	NA
Lead	T	ug/L	< 25 U	< 25 U	**2 F**	< 25 U	< 25 U	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.70	**7.3**	**4.3**	**11**	< 2.1 U
Magnesium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	**46896 M**	**38404 M**	**43000**	**38400**	**35800**	**36000**	**37100 M**	**35100**	**35500**	**29500 M**	**32000**	NA	NA	**74200**	**50900**
Manganese	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	**195 M**	**163 M**	**280 M**	**172**	**153 J**	**170 M**	**161 M**	**129**	**134**	**118 M**	**850**	NA	NA	**1340**	**473**
Mercury	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.2	< 0.2	NA	NA
Mercury	T	ug/L	< 1 U	< 1 UM	< 1 UM	< 1 U	< 1 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.080	< 0.2	< 0.2	NA	< 0.1 U
Molybdenum	T	ug/L	NA	< 15 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	< 20 U	**1.7 F**	**5.4 F**	**1.58 F**	**2.19 F**	**2**	**7.3**	**10.1**	**10.7**	**3.7 F**	**3.7**	NA	NA	NA	**7 B**
Potassium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	**4327 M**	**3347**	**5500**	**3190**	**3470**	**2600 J**	**2750 M**	**2160**	**2210**	**2440**	**2900**	NA	NA	**9970**	**4830**
Selenium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	NA	NA
Selenium	T	ug/L	**14.3 F**	**52.4**	< 30 U	< 30 U	< 30 U	**0.52 F**	**0.611 M**	**0.909 F**	**1.19**	< 1 U	< 2.0	< 1	< 1	NA	< 9.9 U
Silver	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4.5	< 4.5	NA	NA
Silver	T	ug/L	< 10 U	< 10 U	**0.94 F**	< 10 U	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.10	< 4.5	< 4.5	NA	< 0.9 UJ
Sodium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	**14036 M**	**11955 M**	**15000 M**	**10400**	**12200**	**13000**	**15900**	**13300**	**13200**	**17400 M**	**21000**	NA	NA	**39500**	**15700**
Thallium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 1 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.20	NA	NA	NA	< 4.3 UJ
Vanadium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	< 10 U	R	**6.9 F**	< 10 U	**0.96 F**	< 5 U	**0.924 F**	**0.531 F**	**0.596 F**	< 1 U	< 2.0	NA	NA	NA	**9.9 B**
Zinc	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	**3.9 F**	R	**10 F**	**14.2 F**	< 20 U	**5.5 J**	< 20 UM	< 20 U	< 20 U	< 20 U	**3.6**	NA	NA	NA	**22.2**

Appendix B-4
Groundwater Analytical Data, Landfill LF021
Former Plattsburgh Air Force Base, Plattsburgh, New York
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		Location	MW-21-005	MW-21-005	MW-21-005	MW-21-005	MW-21-005	MW-21-005	MW-21-005	MW-21-005	MW-21-005	MW-21-005	MW-21-005	MW-21-005	MW-21-005	MW-21-005	MW-21-005
		Sample Date	5/29/2001	8/21/2001	11/14/2001	2/19/2002	5/21/2002	8/19/2002	11/18/2002	2/25/2003	5/20/2003	8/21/2003	11/18/2003	8/19/2004	8/16/2005	6/29/2006	7/24/2007
		Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**															
Aluminum	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	**4360 M**	**1754 MJ**	**1184 MJ**	**8105 M**	**4325 M**	**R**	**3052 M**	**3562 M**	**1406 M**	**4078 J**	**4103 M**	**1094 M**	**1300**	**474**	**238**
Antimony	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	< 50 U	**6.2 F**	< 50 U	< 50 U	**12 F**	< 50 U	**9.8 F**	< 50 U	< 50 UM	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
Arsenic	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	ug/L	< 30 U	< 30 U	< 30 U	< 30 U	**5.9 F**	**3.9 F**	< 30 U	< 30 U	**13.1 F**	**16.3 F**	**13.1 F**	< 30 U	< 30 U	< 30 U	< 30 U
Barium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	ug/L	**137**	**132 J**	**130**	**211 J**	**143 J**	**134 J**	**159**	**162**	**97.6**	**162**	**172**	**115**	**120**	**62.2**	**74.2**
Beryllium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	**0.22 F**	< 4 U	< 4 U	**0.22 F**	< 4 U	**0.14 F**	< 4 U	< 4 U	< 4 U
Cadmium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	ug/L	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Calcium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	**116000 M**	**108940 M**	**106559 M**	**151769**	**118677 M**	**106675**	**124346 M**	**142164**	**101932 M**	**118816 M**	**135302 M**	**105756 M**	**110000 M**	**102000**	**100000**
Chromium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	ug/L	**7.79 F**	**4.9 F**	**2.2 F**	**15.8**	**7.8 F**	**1.8 F**	**4.6 F**	**6.2 F**	**3.8 F**	**5 F**	**6 F**	**2.1 F**	**4.4 F**	**3.81 F**	**5.1 F**
Cobalt	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	**3.68 F**	< 6 U	< 6 U	**6.6**	**3.1 F**	< 6 U	**0.8 F**	**2.1 F**	**1.3 F**	**2.3 F**	**2.5 F**	< 60 U	< 60 U	< 60 U	< 60 U
Copper	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	< 10 U	**2.5 F**	**4.1 F**	**20.1**	**4.5 F**	**1.5 F**	**2.7 F**	**7.4 F**	**1.2 F**	< 10 U	**33.3**	< 10 U	**2.6 F**	< 10 U	< 10 U
Iron	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	**7200 M**	**2601 M**	**2126 M**	**14590 M**	**7304 M**	**1462**	**5601**	**7228**	**2753**	**6295**	**7174**	**1419 M**	**2000 M**	**672 J**	**330 M**
Lead	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	ug/L	< 25 U	< 25 U	< 25 U	**8.7 F**	< 25 U	< 25 U	**5.2 F**	**4 F**	< 25 U	**4.7 F**	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U
Magnesium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	**43200 M**	**43670 M**	**47235**	**63971**	**48003 J**	**44218**	**52513**	**60187**	**38361 M**	**50835**	**53888 M**	**39474 M**	**39000**	**35400**	**34500**
Manganese	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	**371**	**208**	**160**	**686**	**397 J**	**191 J**	**435**	**553**	**172 J**	**391**	**584 M**	**281 M**	**410 M**	**48**	**69.6 J**
Mercury	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	< 1 U	**0.32 F**	< 0.4 U	< 1 UM	**0.12 F**	< 1 U	< 1 U	< 1 U	< 1 U	< 1 UM	< 1 U	< 1 M	< 1 M	< 1 U	< 1 U
Molybdenum	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 15 U	NA	NA	NA
Nickel	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	**6.55 F**	**4.5 F**	**2.9 F**	**18.9**	**2.8 F**	**1.7 F**	**2.9 F**	**4.7 F**	< 20 U	**2.2 F**	**44.3**	**3.2 F**	**4.7 F**	**1.69 F**	**1.59 F**
Potassium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	**3870**	**3641 J**	**3513**	**5330**	**3631 J**	**3030 J**	**3718 M**	**3272**	**1945 J**	**4214**	**3463 M**	**2748**	**2400**	**1990**	**1990**
Selenium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	**11.1 F**	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	**33.3**	**28.8 F**	**42.3**	< 30 U	< 30 U	< 30 U
Silver	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	< 10 U	< 10 UM	< 10 U	< 10 UM	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	**1.3 F**	< 10 U	< 10 U
Sodium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	**25200**	**14083 J**	**13418**	**12985 J**	**18067 J**	**13810**	**14134**	**13908**	**17779**	**13781**	**17604 M**	**13742 M**	**14000 M**	**21500**	**20100**
Thallium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	< 80 U	< 80 U	< 80 U	< 80 U	**6.7 F**	**8.3 F**	**4.2 F**	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U
Vanadium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	**10.9**	**3.9 F**	**3.5 F**	**20.3**	**5.8 F**	**10.8**	**2.4 F**	**8.2 F**	< 10 U	< 10 U	< 10 U	**4.3 J**	**3.8 F**	< 10 U	**0.68 F**
Zinc	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	**20.1 J**	**8.8 F**	**8.2 F**	**28.9**	**17.6**	**10.6 J**	**11 F**	**18.6 F**	**6.4 F**	**17.4 F**	**19.4 F**	**3.1 M**	**6.4 F**	**18.8 F**	< 20 U

Appendix B-4
Groundwater Analytical Data, Landfill LF021
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-21-005	MW-21-005	MW-21-005	MW-21-005	MW-21-005	MW-21-006	MW-21-006	MW-21-006	MW-21-006	MW-21-006	MW-21-006	MW-21-006	MW-21-006	MW-21-006	MW-21-006
		Sample Date	6/17/2009	6/24/2010	6/21/2012	7/7/2014	8/2/2018	11/16/1993	1/11/1994	2/15/1994	3/1/2001	3/1/2001	5/30/2001	5/30/2001	8/21/2001	8/21/2001	11/15/2001
		Sample Type	N	N	N	N	N	N	N	N	N	FD	N	FD	N	FD	N
Chemical	**Fraction**	**Unit**															
Aluminum	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	**170 F**	**2800 M**	**607**	< 100 U	**520**	NA	NA	NA	**2280**	**2360**	**490 M**	**952 M**	**1758 MJ**	**1435 MJ**	**1038 MJ**
Antimony	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	< 2 U	**4.21 M**	< 1 U	< 1 U	< 1.0	NA	NA	NA	< 4.1 U	< 4.1 U	**3.4 F**	< 50 U	**6.1 F**	**8.7 F**	< 50 U
Arsenic	D	ug/L	NA	NA	NA	NA	NA	< 1	**1.6**	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	ug/L	< 5 U	**132 M**	**0.621 F**	< 1 U	**0.33**	**2.6**	**1.1**	NA	< 4.4 U	< 4.4 U	**5.17 F**	< 30 U	< 30 U	< 30 U	< 30 U
Barium	D	ug/L	NA	NA	NA	NA	NA	**120**	**154**	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	ug/L	**54 M**	**88.8 M**	**68.5**	**61.9**	**89**	**160**	**133**	NA	**133**	**133**	**124**	**120**	**160 J**	**155 J**	**147**
Beryllium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	< 1 U	< 2 UM	< 2 U	< 2 U	< 0.30	NA	NA	NA	< 0.1 U	< 0.1 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Cadmium	D	ug/L	NA	NA	NA	NA	NA	< 2.3	< 2.3	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	ug/L	**0.1 F**	< 0.6 U	< 300 U	< 0.6 U	**0.45**	< 2.3	< 2.3	< 2.3	< 0.4 U	< 0.4 U	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U
Calcium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	**95000**	**101000 M**	**104000 M**	**117000 M**	**110000**	NA	NA	**343000**	**197000**	**199000**	**177000 M**	**174000 M**	**214867 M**	**211734 M**	**209416 M**
Chromium	D	ug/L	NA	NA	NA	NA	NA	< 4.4	< 4.4	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	ug/L	**0.52 F**	**8.24**	**2.31**	**1.36 F**	**1.2**	< 4.4	< 4.4	NA	**4.6 B**	**5 B**	**2.43 F**	**3.05 F**	**6.4 F**	**5.9 F**	**3.5 F**
Cobalt	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	**0.3 F**	**2.6**	**0.906 F**	< 1 U	**0.90**	NA	NA	NA	**6.6 B**	**6.5 B**	**5.25 F**	**9.21 J**	**6.2**	**5.9 F**	**4.7 F**
Copper	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	**1 J**	**6.14**	**2.97**	< 2 U	**1.6**	NA	NA	NA	**3.7 B**	**3.1 B**	< 10 U	< 10 U	**6 F**	**3.1 F**	**5 F**
Iron	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	**300 J**	**4150 M**	**807**	**48.8 M**	**940**	NA	NA	**35800**	**6160**	**6340**	**3360 M**	**4900 M**	**5910 M**	**5410 M**	**5373 M**
Lead	D	ug/L	NA	NA	NA	NA	NA	< 1	< 1	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	ug/L	< 2 U	**4.05**	< 1 U	< 1 U	**0.64**	**1.6**	**2.5**	**19.9**	< 2.1 U	< 2.1 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U
Magnesium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	**34000**	**31300 M**	**35300**	**39200 M**	**39000**	NA	NA	**114000**	**59800**	**61000**	**50700 M**	**48700 M**	**63219 M**	**61464 M**	**68946**
Manganese	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	**26 M**	**391 M**	**95.2**	< 10 UM	**210**	NA	NA	**2730**	**2290**	**2230**	**1860**	**1670**	**2215**	**2179**	**2630**
Mercury	D	ug/L	NA	NA	NA	NA	NA	< 0.2	< 0.2	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	< 0.2 U	**0.149 F**	< 0.2 U	< 0.2 U	< 0.080	< 0.2	< 0.2	NA	< 0.1 U	< 0.1 U	< 1 U	< 1 U	**0.27 F**	**0.27 F**	< 0.4 U
Molybdenum	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	**1 F**	**10.7**	**10**	**3.98 F**	**2.9**	NA	NA	NA	**10.5 B**	**7.5 B**	**7.31 F**	**8.37 F**	**10.5**	**9.7 F**	**8.1 F**
Potassium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	**1700 J**	**2880 M**	**1980**	**2150**	**2400**	NA	NA	**13900**	**8690**	**8710**	**8790**	**8620**	**11690 J**	**11513 J**	**10028**
Selenium	D	ug/L	NA	NA	NA	NA	NA	< 1	**1.2**	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	< 5 U	< 1 UM	**1.4**	< 1 U	< 2.0	< 1	**1.3**	NA	< 9.9 U	< 9.9 U	**21.2 F**	**16 F**	< 30 U	**6.4 F**	< 30 U
Silver	D	ug/L	NA	NA	NA	NA	NA	< 4.5	< 4.5	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 0.10	< 4.5	< 4.5	NA	< 0.9 UJ	< 0.9 UJ	< 10 U	< 10 U	< 10 UM	< 10 UM	< 10 U
Sodium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	**14000**	**17400**	**16900**	**16300 M**	**18000**	NA	NA	**96600**	**85500**	**85400**	**74700**	**71600**	**83686 J**	**82960 J**	**82342**
Thallium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	< 1 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.20	NA	NA	NA	< 4.3 UJ	< 4.3 UJ	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U
Vanadium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	**0.47 F**	**6.69**	**1.35**	< 1 U	< 2.0	NA	NA	NA	**3.3 B**	**3.5 B**	< 10 U	**3.26 F**	**4.6 F**	**4 F**	**4.5 F**
Zinc	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	**16 J**	**14.8 M**	< 20 U	< 20 U	**6.6**	NA	NA	NA	**15.6**	**14.4**	**6.88 F**	**10.5 J**	**16.6**	**16.2**	**15.1**

Appendix B-4
Groundwater Analytical Data, Landfill LF021
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-21-006	MW-21-006	MW-21-006	MW-21-006	MW-21-006	MW-21-006	MW-21-006	MW-21-006	MW-21-006	MW-21-006	MW-21-006	MW-21-006	MW-21-006	MW-21-006	MW-21-006
		Sample Date	11/15/2001	2/20/2002	2/20/2002	5/22/2002	5/22/2002	8/20/2002	8/20/2002	11/19/2002	11/19/2002	2/25/2003	2/25/2003	5/21/2003	8/25/2003	11/18/2003	8/18/2004
		Sample Type	FD	N	FD	N	FD	N	FD	N	FD	N	FD	N	N	N	N
Chemical	**Fraction**	**Unit**															
Aluminum	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	**833 MJ**	**3008 M**	**2969 M**	**1436 M**	**1290 M**	**R**	**R**	**439 M**	**479 M**	**98.9 M**	**218 M**	**310 M**	**249 J**	**557 M**	**388 M**
Antimony	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	< 50 U	**9.3 F**	**8.1 F**	**13.5 F**	**14 F**	< 50 U	< 50 U	**5.4 F**	**11.3 F**	< 50 U	< 50 U	< 50 UM	< 50 U	< 50 U	< 50 U
Arsenic	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	ug/L	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	**6.1 F**	**6.2 F**	< 30 U	< 30 U	< 30 U	< 30 U	**12.5 F**	**20.5 F**	< 30 U	< 30 U
Barium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	ug/L	**151**	**166 J**	**157 J**	**120 J**	**116 J**	**152 J**	**147 J**	**144**	**144**	**122**	**123**	**93.6**	**137**	**137**	**135**
Beryllium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 4 U	**0.22 F**	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U
Cadmium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	ug/L	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Calcium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	**220104 M**	**203416**	**193222**	**150903 M**	**147927 M**	**172467**	**170264**	**172943 M**	**173228 M**	**158851**	**161380**	**123587 M**	**163589 M**	**158422 M**	**160755 M**
Chromium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	ug/L	**3 F**	**9.1 F**	**8.8 F**	**3.6 F**	**3.3 F**	**3.7 F**	**3.4 F**	**0.7 F**	**1.2 F**	**0.9 F**	**0.9 F**	**2.7 F**	< 10 U	**1.5 F**	**1.7 F**
Cobalt	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	**4.7 F**	**8**	**8.3**	**4.18 F**	**4.26 F**	**2.28 F**	**2.15 F**	**2.8 F**	**2.5 F**	**3 F**	**3.2 F**	**2.8 F**	**3.9 F**	**3.6 F**	**2.8 F**
Copper	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	**4.3 F**	**13**	**12.3**	< 10 U	< 10 U	**2 F**	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
Iron	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	**5274 M**	**10022 M**	**9950 M**	**4392 M**	**4159 M**	**6821**	**6566**	**4557**	**4490**	**5140**	**4831**	**3051**	**5102**	**4546**	**7698 M**
Lead	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	ug/L	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	**4.9 F**	**4.4 F**	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U
Magnesium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	**70354**	**62793**	**59568**	**48628**	**47518**	**55600**	**55165**	**53389**	**53136**	**49811**	**50911**	**39230 M**	**51262**	**50148 M**	**49106 M**
Manganese	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	**2592**	**2618**	**2478**	**1908**	**1838**	**2374 J**	**2295 J**	**2637**	**2636**	**2429**	**2450**	**1761 J**	**2347**	**2541 M**	**2465 M**
Mercury	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	< 0.4 U	< 1 UM	< 1 UM	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 UM	< 1 U	< 1 U
Molybdenum	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 15 U
Nickel	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	**8 F**	**16.1**	**15.8**	< 10 U	< 10 U	**5.6 F**	**5.1 F**	**4.3 F**	**4.1 F**	**2.8 F**	**3.2 F**	< 20 U	< 20 U	< 20 U	**6.4 F**
Potassium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	**10415**	**10263**	**10124**	**9132**	**8881**	**11348 J**	**11096 J**	**10793 M**	**11156 M**	**8448**	**8752**	**7614 J**	**10727**	**9849 M**	**10220**
Selenium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	**16.1 F**	**9.8 F**	< 30 U	**32.4**	**33**	**37.4**
Silver	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	< 10 U	< 10 UM	< 10 UM	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
Sodium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	**81400**	**97615 J**	**94734 J**	**73978**	**73359**	**80125**	**78684**	**84918**	**85883**	**78975**	**80414**	**55388**	**83565**	**88056 M**	**64431 M**
Thallium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	< 80 U	< 80 U	< 80 U	**9.4 F**	**7.6 F**	**21.3 F**	**23.8 F**	**24.8 F**	**25.6 F**	**5 F**	**5.5 F**	< 80 U	< 80 U	< 80 U	< 80 U
Vanadium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	**4.2 F**	**7.3 F**	**7.5 F**	< 10 U	< 10 U	**11.9**	**11.3**	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	**3.2 J**
Zinc	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	**17.2**	**6.7 F**	**7.1 F**	**8.4 F**	**8.5 F**	**11.4 J**	**9.4 F**	**2.7 F**	**4.3 F**	**7.8 F**	**7.7 F**	**2.6 F**	< 20 U	**4.1 F**	**406 M**

Appendix B-4
Groundwater Analytical Data, Landfill LF021
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-21-006	MW-21-006	MW-21-006	MW-21-006	MW-21-006	MW-21-006	MW-21-006	MW-21-006	MW-21-006	MW-21-007	MW-21-007	MW-21-007	MW-21-007	MW-21-007	MW-21-007
		Sample Date	8/17/2005	6/29/2006	7/24/2007	6/16/2009	6/24/2010	6/21/2012	7/7/2014	8/2/2018	8/2/2018	11/16/1993	11/16/1993	1/11/1994	2/15/1994	2/27/2001	5/30/2001
		Sample Type	N	N	N	N	N	N	N	N	FD	N	FR	N	N	N	N
Chemical	**Fraction**	**Unit**															
Aluminum	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	**81 F**	**96.4 F**	**77.2 F**	**56 F**	**1250 M**	**237**	< 100 U	**590**	**410**	NA	NA	NA	NA	**9480**	**8860 M**
Antimony	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	< 50 U	< 50 U	< 50 U	< 2 U	**2.92 M**	< 1 U	< 1 U	< 1.0	< 1.0	NA	NA	NA	NA	< 4.1 U	< 50 U
Arsenic	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1	NA	NA	NA
Arsenic	T	ug/L	**4.2 F**	**2.19 F**	< 30 U	**1.3 F**	**84 M**	**3.38**	**2.5**	**28**	**20**	**2.6**	**2.3**	**4.9**	NA	< 4.4 U	**4.93 F**
Barium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	**33.5**	**35.4**	**34**	NA	NA	NA
Barium	T	ug/L	**120**	**131**	**151**	**130 M**	**138 M**	**197**	**225**	**330**	**310**	**87.8**	**86.6**	**123**	NA	**76.4**	**75.6**
Beryllium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	< 4 U	< 4 U	< 4 U	< 1 U	< 2 UM	< 2 U	< 2 U	**0.10**	**0.080**	NA	NA	NA	NA	**0.44 B**	< 5 U
Cadmium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2.3	< 2.3	< 2.3	NA	NA	NA
Cadmium	T	ug/L	< 5 U	< 5 U	< 5 U	**0.069 F**	< 0.6 U	**0.308 F**	< 0.6 U	**0.86**	**0.36**	< 2.3	< 2.3	< 2.3	< 2.3	< 0.4 U	< 7 U
Calcium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	**160000 M**	**143000**	**155000**	**120000**	**121000 M**	**143000 M**	**143000 M**	**160000**	**150000**	NA	NA	NA	**64300**	**90700**	**79100 M**
Chromium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4.4	< 4.4	< 4.4	NA	NA	NA
Chromium	T	ug/L	**2.3 F**	**1.92 F**	**4.75 F**	**0.61 F**	**6.55**	**2.37**	< 2 U	**5.4**	**3.5**	**14.7**	**15.4**	**25.8**	NA	**14.7 J**	**14**
Cobalt	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	< 60 U	< 60 U	< 60 U	**4.5**	**5.13**	**4.48**	**3.23**	**5.6**	**5.2**	NA	NA	NA	NA	**7.7 B**	**6.35 J**
Copper	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	**1.3 F**	< 10 U	< 10 U	**0.71 J**	**3.88**	**2.37**	< 2 U	**3.4**	**2.4**	NA	NA	NA	NA	**15.7 B**	< 10 U
Iron	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	**10000 M**	**4820 J**	**7270 M**	**6200 J**	**8270 M**	**8710**	**8430 M**	**42000**	**29000**	NA	NA	NA	**6240**	**12500**	**11000 M**
Lead	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	**4.6**	**20.9**	< 1	NA	NA	NA
Lead	T	ug/L	< 25 U	< 25 U	< 25 U	**0.28 F**	**2.69**	**0.693 F**	< 1 U	**1.6**	**1.2**	**8.4**	**7.6**	**14.3**	**4.9**	**7.8**	**6.94 F**
Magnesium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	**42000**	**39600**	**41200**	**33000**	**26800 M**	**28300**	**30000 M**	**34000**	**33000**	NA	NA	NA	**26100**	**36800**	**33000 M**
Manganese	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	**2100 M**	**2390**	**2520 J**	**2000 M**	**1930 M**	**2210**	**2010 M**	**2400**	**2300**	NA	NA	NA	**187**	**618**	**715**
Mercury	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.2	< 0.2	< 0.2	NA	NA	NA
Mercury	T	ug/L	< 1 M	< 1 U	< 1 U	**0.081 F**	< 0.2 U	< 0.2 U	< 0.2 U	< 0.080	< 0.080	< 0.2	< 0.2	< 0.2	NA	< 0.1 U	< 1 U
Molybdenum	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	**6.7 F**	**4.47 F**	**4.53 F**	**5.1**	**12.9**	**17.5**	**6.78**	**11**	**8.8**	NA	NA	NA	NA	**16.6 B**	**13.2**
Potassium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	**9200**	**9670**	**9800**	**7200 J**	**6330 M**	**8770**	**9030**	**8200**	**8100**	NA	NA	NA	**2710**	**3230**	**3270**
Selenium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	**1.1**	< 1	NA	NA	NA
Selenium	T	ug/L	< 30 U	< 30 U	< 30 U	< 5 U	**0.815 M**	**1.77**	**0.572 F**	< 2.0	< 2.0	< 1	< 1	< 1	NA	< 9.9 U	**6.55 F**
Silver	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4.5	< 4.5	< 4.5	NA	NA	NA
Silver	T	ug/L	**0.95 F**	< 10 U	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U	**0.058**	**0.033**	< 4.5	< 4.5	< 4.5	NA	< 0.9 U	< 10 U
Sodium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	**73000 M**	**62600**	**46400**	**74000**	**58600**	**70800**	**81800 M**	**61000**	**61000**	NA	NA	NA	**3680**	**4630**	**6760**
Thallium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	< 80 U	< 80 U	< 80 U	< 1 U	**0.151 F**	**0.14 F**	**0.114 F**	**0.18**	**0.13**	NA	NA	NA	NA	< 4.3 U	< 80 U
Vanadium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	< 10 U	< 10 U	< 10 U	< 5 U	**3.16**	**1.22**	< 1 U	**2.8**	**2.1**	NA	NA	NA	NA	**18.1 B**	**19.7**
Zinc	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	**32**	**29.6**	< 20 U	**7 J**	**13.4 M**	< 20 U	< 20 U	**13**	**13**	NA	NA	NA	NA	**33.7 J**	**29.6 J**

Appendix B-4
Groundwater Analytical Data, Landfill LF021
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-21-007	MW-21-007	MW-21-007	MW-21-007	MW-21-007	MW-21-007	MW-21-007	MW-21-007	MW-21-007	MW-21-007	MW-21-007	MW-21-007	MW-21-007	MW-21-007	MW-21-007
		Sample Date	8/21/2001	11/15/2001	2/20/2002	5/22/2002	8/20/2002	11/19/2002	2/25/2003	5/21/2003	5/21/2003	8/25/2003	8/25/2003	11/18/2003	11/18/2003	8/18/2004	8/18/2004
		Sample Type	N	N	N	N	N	N	N	N	FD	N	FD	N	FD	N	FD
Chemical	**Fraction**	**Unit**															
Aluminum	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	**3684 MJ**	**1357 MJ**	**4711 M**	**3379 M**	**R**	**3803 M**	**2024 M**	**248 M**	**312 M**	**1321 J**	**1949 J**	**4834 M**	**5212 M**	**7028 M**	**9143 M**
Antimony	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	**6.6 F**	< 50 U	< 50 U	**9 F**	< 50 U	**14.3 F**	< 50 U	< 50 UM	< 50 UM	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
Arsenic	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	ug/L	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	**5.4 F**	**6.5 F**	**13.7 F**	**27.5 F**	**12.7 F**	**13.8 F**	< 30 U	< 30 U
Barium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	ug/L	**39.2 J**	**37.1**	**46.9 J**	**39 J**	**65.5 J**	**43.3 F**	**22.4 F**	**8.2 F**	**8.5 F**	**18.6 F**	**23.2 F**	**46.7 F**	**48.7 F**	**56.2**	**67.4**
Beryllium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	**0.33 F**	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	**0.25 F**	**0.17 F**	**0.37 F**	**0.36 F**
Cadmium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	ug/L	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Calcium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	**80640 M**	**94294 M**	**79890**	**65317 M**	**78535**	**78585 M**	**70286**	**53745 M**	**54180 M**	**74564 M**	**77528 M**	**78373 M**	**79931 M**	**67058 M**	**67088 M**
Chromium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	ug/L	**7.6 F**	**3.4 F**	**9.4 F**	**6 F**	**10.5 J**	**5.7 F**	**3.1 F**	**2.4 F**	**2.6 F**	**2.2 F**	**3.2 F**	**6.3 F**	**6.9 F**	**9.3 F**	**11.6**
Cobalt	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	**3 F**	**3.7 F**	**3 F**	**2.45 F**	**1.55 F**	**0.7 F**	< 60 U	< 60 U	< 60 U	**1.6 F**	**1.6 F**	**2.5 F**	**2.3 F**	**4.1 F**	**6.1 F**
Copper	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	**6.3 F**	**11.3**	**14**	**2.7 F**	**7.8 F**	**3.4 F**	**2.8 F**	< 10 U	**1.7 F**	< 10 U	< 10 U	**9.1 F**	**6.8 F**	**7.9 F**	**9.5 F**
Iron	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	**4407 M**	**2612 M**	**5583 M**	**3919 M**	**8801**	**4882**	**2414**	**192 F**	**258**	**1518**	**2044**	**6142**	**6463**	**6853 M**	**8868 M**
Lead	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	ug/L	**2.6 F**	**5.1 F**	< 25 U	< 25 U	**5.5 F**	**5.2 F**	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	**7.5 F**	**9.5 F**
Magnesium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	**31843 M**	**38136**	**33387**	**26789**	**33265**	**31793**	**28183**	**21944 M**	**22022 M**	**30137**	**31672**	**32983 M**	**33509 M**	**27763 M**	**28907 M**
Manganese	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	**198**	**331**	**247**	**341**	**358 J**	**251**	**122**	**44.3 J**	**48 J**	**374**	**422**	**284 M**	**271 M**	**814 M**	**1303 M**
Mercury	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	**0.27 F**	< 0.4 U	< 1 UM	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 UM	< 1 UM	< 1 U	< 1 U	< 1 U	< 1 U
Molybdenum	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 15 U	< 15 U
Nickel	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	**6.6 F**	**7 F**	**12.2**	< 10 U	**5.4 F**	**3 F**	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	**3.1 F**	**2.8 F**	**9 F**	**11.7 F**
Potassium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	**2180 J**	**1098**	**2088**	**1513**	**2764 J**	**1980 M**	**972 F**	**477 J**	**474 J**	**857 F**	**1095**	**1593 M**	**1706 M**	**2380**	**2766**
Selenium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	**12.3 F**	< 30 U	< 30 U	**14.3 F**	**12.1 F**	**12.6 F**	**10.3 F**	**33.9**	**28.1 F**
Silver	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	**3 MF**	< 10 U	< 10 UM	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
Sodium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	**5466 J**	**5346**	**4976 J**	**4970**	**5728**	**5998**	**5136**	**4675**	**4494**	**5874**	**6103**	**5746 M**	**5875 M**	**5155 M**	**5115 M**
Thallium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	< 80 U	< 80 U	< 80 U	**5.1 F**	**7.8 F**	< 80 U	**8.3 F**	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U
Vanadium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	**8.2 F**	**5.3 F**	**11.1**	**3.6 F**	**20.1**	**3.7 F**	**3.7 F**	< 10 U	< 10 U	< 10 U	< 10 U	**3.2 F**	< 10 U	**14 J**	**18 J**
Zinc	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	**24**	**20.5**	**8 F**	**14.1**	**21.7 J**	**13.6 F**	**9.8 F**	**4 F**	< 20 U	**4.8 F**	**9.4 F**	**16.7 F**	**17.1 F**	**18.2 M**	**23.1 M**

Appendix B-4
Groundwater Analytical Data, Landfill LF021
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-21-007	MW-21-007	MW-21-007	MW-21-007	MW-21-007	MW-21-007	MW-21-007	MW-21-007	MW-21-007	MW-21-007	MW-21-007	MW-21-007	MW-21-007	MW-21-008	MW-21-008
		Sample Date	8/17/2005	8/17/2005	6/29/2006	6/29/2006	7/24/2007	7/24/2007	6/16/2009	6/16/2009	6/24/2010	6/21/2012	7/7/2014	7/7/2014	8/2/2018	11/16/1993	1/11/1994
		Sample Type	N	FD	N	FD	N	FD	N	FD	N	N	N	FD	N	N	N
Chemical	**Fraction**	**Unit**															
Aluminum	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	**1100**	**1000**	**4510**	**5400**	**3210**	**3780**	**1600**	**31 F**	**8810 M**	**176**	< 100 U	< 100 U	**280**	NA	NA
Antimony	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	< 50 U	< 50 U	< 50 U	< 50 U	**1.59 F**	< 50 U	< 2 U	< 2 U	**2.89 M**	< 1 U	< 1 U	< 1 U	< 1.0	NA	NA
Arsenic	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**1.6**	**1.7**
Arsenic	T	ug/L	< 30 U	< 30 U	**2.34 F**	< 30 U	< 30 U	< 30 U	< 5 U	< 5 U	**82.2 M**	< 1 U	< 1 U	< 1 U	**9.9**	**4**	**3.1**
Barium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**41.9**	**70.9**
Barium	T	ug/L	**17 F**	**16 F**	**43.2 F**	**49.8 F**	**31 F**	**36.4 F**	**17 M**	**10 M**	**84.3 M**	**9.63 F**	**11.9**	**11.6**	**37**	**85.1**	**45.5**
Beryllium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	< 4 U	< 4 U	**0.2 F**	**0.2 F**	< 4 U	< 4 U	< 1 U	< 1 U	**0.705 M**	< 2 U	< 2 U	< 2 U	< 0.30	NA	NA
Cadmium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2.3	< 2.3
Cadmium	T	ug/L	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	**1**	**0.74 F**	< 0.6 U	< 300 U	< 0.6 U	< 0.6 U	**0.35**	< 2.3	< 2.3
Calcium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	**64000 M**	**65000 M**	**65700**	**67700**	**66200**	**66400**	**67000**	**63000**	**70200 M**	**60600 M**	**71400 M**	**72500 M**	**74000**	NA	NA
Chromium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4.4	< 4.4
Chromium	T	ug/L	**3.2 F**	**2.9 F**	**7.98 F**	**9.67 F**	**8.47 F**	**9.54 F**	**1.8 F**	**0.65 F**	**16.4**	**1.86 F**	**1.52 F**	**1.6 F**	**6.2**	< 4.4	< 4.4
Cobalt	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	< 60 U	< 60 U	< 60 U	**1.2 F**	< 60 U	< 60 U	**1.2**	**0.34 F**	**6.3**	< 1 U	< 1 U	< 1 U	**16**	NA	NA
Copper	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	**2.3 F**	< 10 U	**5.46 F**	**6.12 F**	**3.05 F**	**3.65 F**	**3.4 J**	**1.2 J**	**13.7**	**1.12 F**	< 2 U	< 2 U	**4.4**	NA	NA
Iron	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	**1200 M**	**990 M**	**4930 J**	**6080 J**	**3410 M**	**4230 M**	**1700 J**	**180 J**	**11200 M**	**225**	**286 M**	**201 M**	**27000**	NA	NA
Lead	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	**2.3**
Lead	T	ug/L	< 25 U	< 25 U	**2.39 F**	**3.08 F**	< 25 U	< 25 U	**1.8 F**	< 2 U	**7.78**	< 1 U	< 1 U	< 1 U	**4.3**	**4.5**	**1.3**
Magnesium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	**27000**	**28000**	**26800**	**27800**	**27500**	**27800**	**30000**	**27000**	**28100 M**	**25400**	**31000 M**	**31300 M**	**27000**	NA	NA
Manganese	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	**110 M**	**82 M**	**180**	**213**	**129 J**	**213 J**	**160 M**	**80 M**	**304 M**	**20.3**	**28.5 M**	**19.9 M**	**3300**	NA	NA
Mercury	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.2	< 0.2
Mercury	T	ug/L	< 1 UM	< 1 UM	< 1 U	< 1 U	< 1 U	< 1 U	**0.096 F**	**0.091 F**	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.080	< 0.2	< 0.2
Molybdenum	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	**3.9 F**	**1.4 F**	**5.47 F**	**6.92 F**	**3.93 F**	**4.65 F**	**2.7**	**0.85 F**	**18.5**	**6.31**	**2.57 F**	**2.6 F**	**9.3**	NA	NA
Potassium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	**760 F**	**720 F**	**1760**	**2000**	**1550**	**1610**	**800 J**	**390 J**	**2960 M**	**326 F**	**268 F**	**283 F**	**530**	NA	NA
Selenium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1
Selenium	T	ug/L	< 30 U	< 30 U	**2.24 F**	< 30 U	< 30 U	< 30 U	< 5 U	**0.72 F**	< 1 UM	**0.524 F**	< 1 U	< 1 U	< 2.0	< 1	< 1
Silver	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4.5	< 4.5
Silver	T	ug/L	**1.1 F**	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.10	< 4.5	< 4.5
Sodium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	**5400 M**	**5300 M**	**4500**	**4610**	**4780**	**4700**	**5400**	**5000**	**5070**	**4860**	**6010 M**	**6090 M**	**4800**	NA	NA
Thallium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 1 U	< 1 U	**0.122 F**	< 0.2 U	< 0.2 U	< 0.2 U	**0.060**	NA	NA
Vanadium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	**3.2 F**	**2.6 F**	**8.86 F**	**10.4**	**5.67 F**	**7.14 F**	**2.7 F**	**0.55 F**	**17.4**	**1.16**	**0.949 F**	**0.806 F**	**45**	NA	NA
Zinc	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	**23**	**20**	**22.9**	**25.5**	**9.84 F**	**12.2 F**	**19 J**	**13 J**	**31.9 M**	< 20 U	**7.98 F**	< 20 U	**17**	NA	NA

Appendix B-4
Groundwater Analytical Data, Landfill LF021
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-21-009	MW-21-009	MW-21-009	MW-21-009	MW-21-009	MW-21-009	MW-21-009	MW-21-009	MW-21-009	MW-21-009	MW-21-009	MW-21-009	MW-21-009	MW-21-009	MW-21-009
		Sample Date	3/1/2001	5/29/2001	8/21/2001	11/14/2001	2/19/2002	5/21/2002	8/19/2002	11/18/2002	2/25/2003	5/20/2003	8/21/2003	11/18/2003	8/19/2004	8/16/2005	6/29/2006
		Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**															
Aluminum	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	**6210**	**9860 M**	**7419 MJ**	**1030 MJ**	**4637 M**	**9814 M**	**R**	**8196 M**	**4759 M**	**3449 M**	**8972 J**	**9273 M**	**6661 M**	**4300**	**2270**
Antimony	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	< 4.1 U	< 50 U	**7.7 F**	< 50 U	< 50 U	**12.5 F**	< 50 U	**10.3 F**	< 50 U	**5.5 M**	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
Arsenic	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	ug/L	< 4.4 U	**15.2 F**	**8.8 F**	< 30 U	< 30 U	**6.1 F**	**5.4 F**	< 30 U	< 30 U	**12 F**	**17.6 F**	**16.4 F**	**8.7 F**	**3.4 F**	**2.18 F**
Barium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	ug/L	**97.6**	**118**	**119 J**	**76.1**	**95.8 J**	**125 J**	**77.1 J**	**132**	**97.5**	**67.5**	**118**	**134**	**91.1**	**81**	**47 F**
Beryllium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	< 0.1 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	**0.56 F**	< 4 U	< 4 U	**0.43 F**	**0.38 F**	**0.38 F**	**0.12 F**	< 4 U
Cadmium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	ug/L	< 0.4 U	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Calcium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	**153000**	**135000 M**	**155861 M**	**142554 M**	**154604**	**153253 M**	**110378**	**187017 M**	**169005**	**107595 M**	**137415 M**	**184973 M**	**124886 M**	**120000 M**	**89800**
Chromium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	ug/L	**9.5 B**	**17**	**14.8**	**2.3 F**	**10.1**	**18.7**	**4.4 F**	**14.3**	**8.1 F**	**7.8 F**	**12.8**	**14.9**	**10.6**	**8.6 F**	**5.76 F**
Cobalt	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	**6.8 B**	**9.05 J**	**7.8**	**3 F**	**6 F**	**8.15**	**1.2 F**	**5.4 F**	**3.8 F**	**2.8 F**	**5.4 F**	**7.2 F**	**3.7 F**	< 60 U	< 60 U
Copper	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	**7.5 B**	**5.2 F**	**11.6**	**4.3 F**	**14**	**12**	**3 F**	**9.7 F**	**8.6 F**	**3.6 F**	**8.9 F**	**13.9**	**9.7 F**	**5.8 F**	**3.49 F**
Iron	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	**13300**	**19400 M**	**15977 M**	**4610 M**	**10005 M**	**20191 M**	**4870**	**18922**	**10457**	**7640**	**14642**	**20096**	**11200 M**	**8500 M**	**3420 J**
Lead	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	ug/L	**3.1 B**	**9.92 F**	**4.3 F**	< 25 U	**3.6 F**	**9.5 F**	**3.7 F**	**13.7 F**	**4.4 F**	**5.8 F**	**9.5 F**	**10.9 F**	**7.9 F**	**3.1 F**	**1.45 F**
Magnesium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	**56500**	**47500 M**	**52791 M**	**54433**	**60968**	**58030 J**	**38709**	**68458**	**62623**	**39455 M**	**48912**	**70118 M**	**43303 M**	**40000**	**30900**
Manganese	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	**1140**	**1040**	**1243**	**1108**	**1132**	**1151 J**	**657 J**	**1317**	**955**	**389 J**	**940**	**1306 M**	**746 M**	**580 M**	**201**
Mercury	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	< 0.1 U	< 1 U	**0.27 F**	< 0.4 U	< 1 UM	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 UM	< 1 U	< 1 UM	< 1 UM	< 1 U
Molybdenum	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 15 U	NA	NA
Nickel	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	**9.1 B**	**15.4**	**13**	**4.3 F**	**13.9**	**7.4 F**	**2.3 F**	**9.5 F**	**7.5 F**	**3.2 F**	**4.8 F**	**7.8 F**	**9.3 F**	**7.6 F**	**2.77 F**
Potassium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	**4080**	**5550**	**5093 J**	**1736**	**3304**	**5149 J**	**2521 J**	**4996 M**	**3011**	**2390 J**	**5446**	**4640 M**	**4349**	**3100**	**1980**
Selenium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	< 9.9 U	**10.5 F**	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	**18 F**	< 30 U	**30.1**	**37.9**	**55.9**	< 30 U	< 30 U
Silver	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	< 0.9 UJ	< 10 U	< 10 UM	< 10 U	< 10 UM	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	**1.2 F**	< 10 U
Sodium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	**9580**	**20500**	**17608 J**	**13284**	**11208 J**	**24708 J**	**26133**	**16530**	**43599**	**34702**	**28165**	**22452 M**	**29303 M**	**36000 M**	**29800**
Thallium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	< 4.3 UJ	< 80 U	< 80 U	< 80 U	< 80 U	**6.9 F**	**11 F**	**16.2 F**	**5.3 F**	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U
Vanadium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	**10.4 B**	**24.2**	**18.1**	**4 F**	**10.2**	**11.3**	**12.4**	**12.5**	**10.3**	< 10 U	**11.4**	**8.3 F**	**13.3 J**	**8.5 F**	**3.98 F**
Zinc	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	**24**	**40.2 J**	**31.5**	**8.9 F**	**7.4 F**	**36.1**	**7.4 F**	**31.5**	**23.8**	**12 F**	**33.6**	**33.7**	**20.6 M**	**15 F**	**21.8**

Appendix B-4
Groundwater Analytical Data, Landfill LF021
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-21-009	MW-21-009	MW-21-009	MW-21-009	MW-21-009	MW-21-009	MW-21-009
		Sample Date	7/25/2007	6/17/2009	6/24/2010	6/24/2010	6/21/2012	7/7/2014	8/2/2018
		Sample Type	N	N	N	FD	N	N	N
Chemical	**Fraction**	**Unit**							
Aluminum	D	ug/L	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	**2090**	**2500**	**4210 M**	**5910 M**	**3000**	< 100 U	**420**
Antimony	D	ug/L	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	< 50 U	< 2 U	**2.99 M**	**3.04 M**	< 1 U	< 1 U	< 1.0
Arsenic	D	ug/L	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	ug/L	< 30 U	**2 F**	**85.5 M**	**92 M**	**1.93**	< 1 U	**0.55**
Barium	D	ug/L	NA	NA	NA	NA	NA	NA	NA
Barium	T	ug/L	**43.7 F**	**59 M**	**77.2 M**	**78 M**	**58.4**	**30**	**49**
Beryllium	D	ug/L	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	< 4 U	< 1 U	**0.608 M**	< 2 UM	< 2 U	< 2 U	< 0.30
Cadmium	D	ug/L	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	ug/L	< 5 U	**0.32 F**	< 0.6 U	< 0.6 U	< 300 U	< 0.6 U	**0.35**
Calcium	D	ug/L	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	**85700**	**89000**	**121000 M**	**110000 M**	**102000 M**	**83700 M**	**84000**
Chromium	D	ug/L	NA	NA	NA	NA	NA	NA	NA
Chromium	T	ug/L	**6.54 F**	**4.3**	**12.4**	**12.8**	**5.22**	**1.32 F**	**1.7**
Cobalt	D	ug/L	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	< 60 U	**2.4**	**5.85**	**5.48**	**2.42**	< 1 U	**1.6**
Copper	D	ug/L	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	**1.99 F**	**5 J**	**9.15**	**9.94**	**4.43**	< 2 U	**3.7**
Iron	D	ug/L	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	**3330 M**	**5600 J**	**8220 M**	**10900 M**	**4990**	**39.1 M**	**1300**
Lead	D	ug/L	NA	NA	NA	NA	NA	NA	NA
Lead	T	ug/L	< 25 U	**2.8**	**6.99**	**6.87**	**2.18**	< 1 U	**0.77**
Magnesium	D	ug/L	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	**29600**	**33000**	**37800 M**	**34500 M**	**35500**	**27500 M**	**28000**
Manganese	D	ug/L	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	**285 J**	**290 M**	**735 M**	**663 M**	**313**	**30.2 M**	**860**
Mercury	D	ug/L	NA	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	< 1 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.080
Molybdenum	T	ug/L	NA	NA	NA	NA	NA	NA	NA
Nickel	D	ug/L	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	**3.03 F**	**4.6**	**15**	**14.7**	**12.7**	**2.89 F**	**4.3**
Potassium	D	ug/L	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	**1920**	**2000 J**	**2720 M**	**3490 M**	**2080**	**823 F**	**1300**
Selenium	D	ug/L	NA	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	< 30 U	**0.95 F**	< 1 UM	**0.757 M**	**1.04**	< 1 U	< 2.0
Silver	D	ug/L	NA	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.10
Sodium	D	ug/L	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	**21600**	**46000**	**29500**	**30900**	**43500**	**26500 M**	**45000**
Thallium	D	ug/L	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	< 80 U	**0.061 F**	**0.134 F**	**0.135 F**	< 0.2 U	< 0.2 U	**0.11**
Vanadium	D	ug/L	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	**3.49 F**	**4.8 F**	**11**	**11.2**	**4.73**	< 1 U	**0.61**
Zinc	D	ug/L	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	**6.34 F**	**16 J**	**17.4 M**	**20.7 M**	**18.9 F**	**11.7 F**	**11**

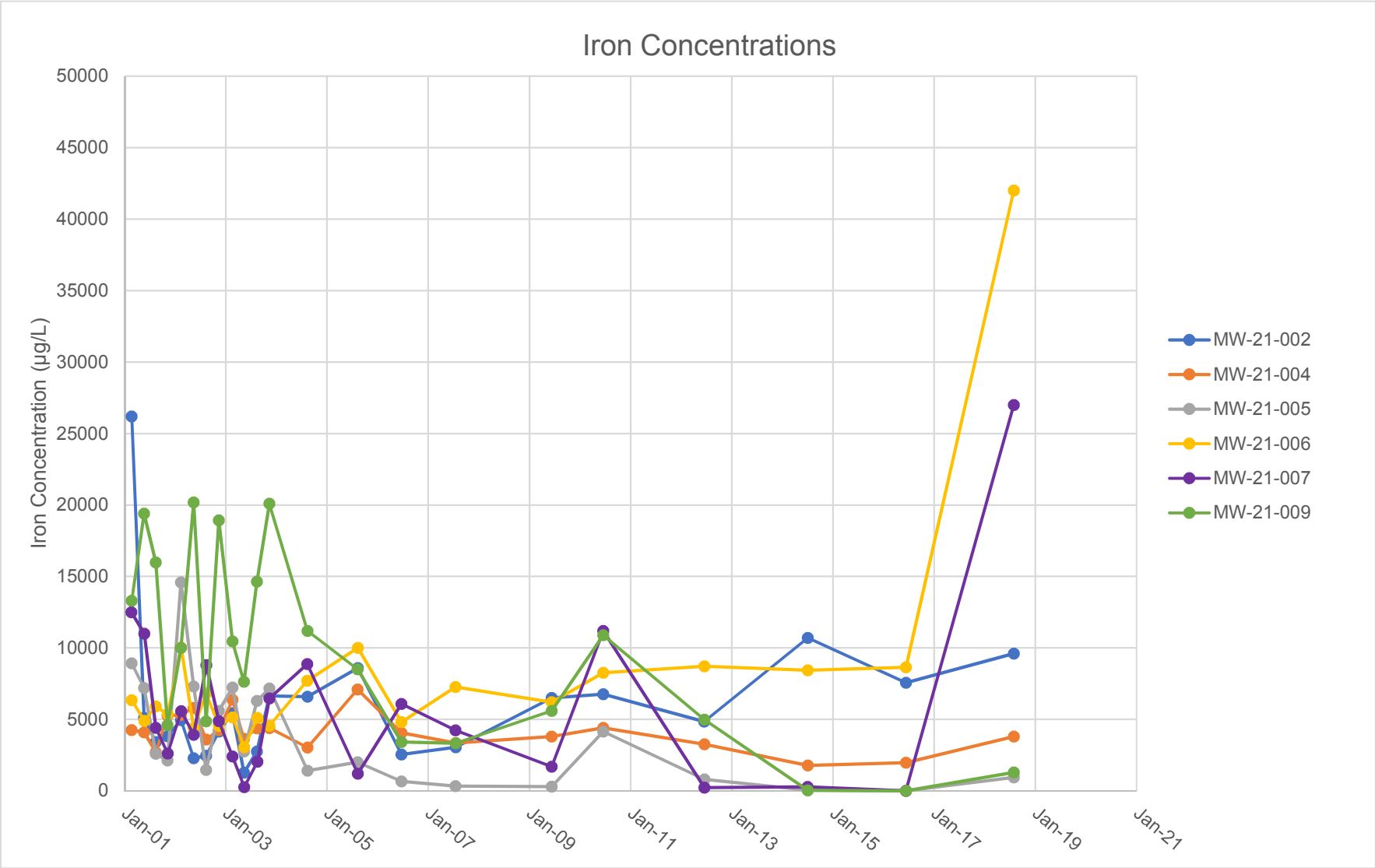
Notes:

Detections are **boldfaced**

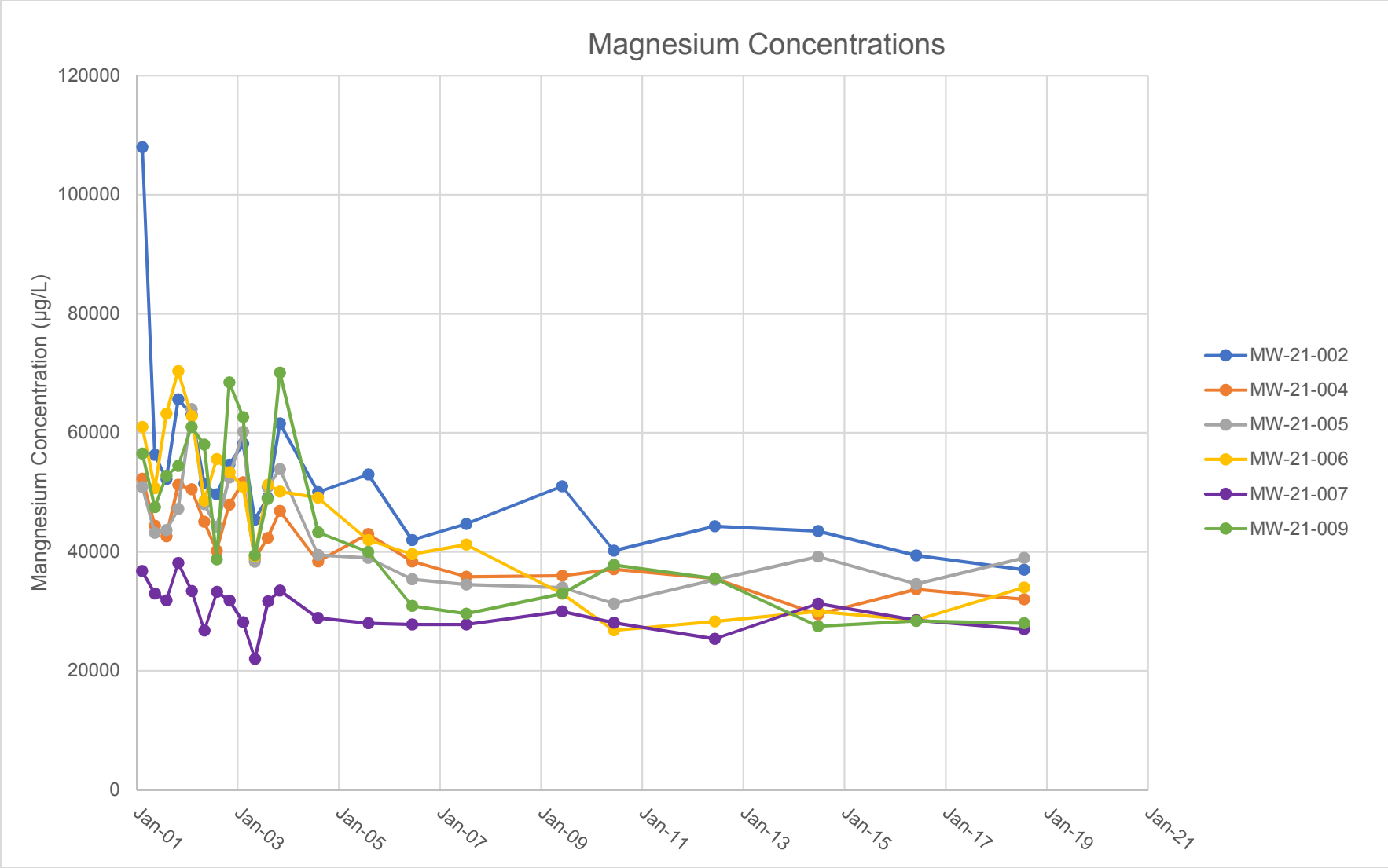
µg/L: micrograms per liter
D: Dissolved
mg/L: miligrams per liter
N: normal (parent) sample
NA: not analyzed
T: Total

Data Qualifiers:
J: The compound was positively identified; however, the associated numerical value is an estimated concentration only.
M: The analyte in question was quantitated using peak heights rather than peak areas for both the analyte and its internal standard.
U: The compound was analyzed for but not detected. The associated value is the compound quantitation limit.
UJ: The compound was not detected above the reported sample quantitation limit. However, the reported limit is approximate and may or may not represent the actual limit of quantitation.

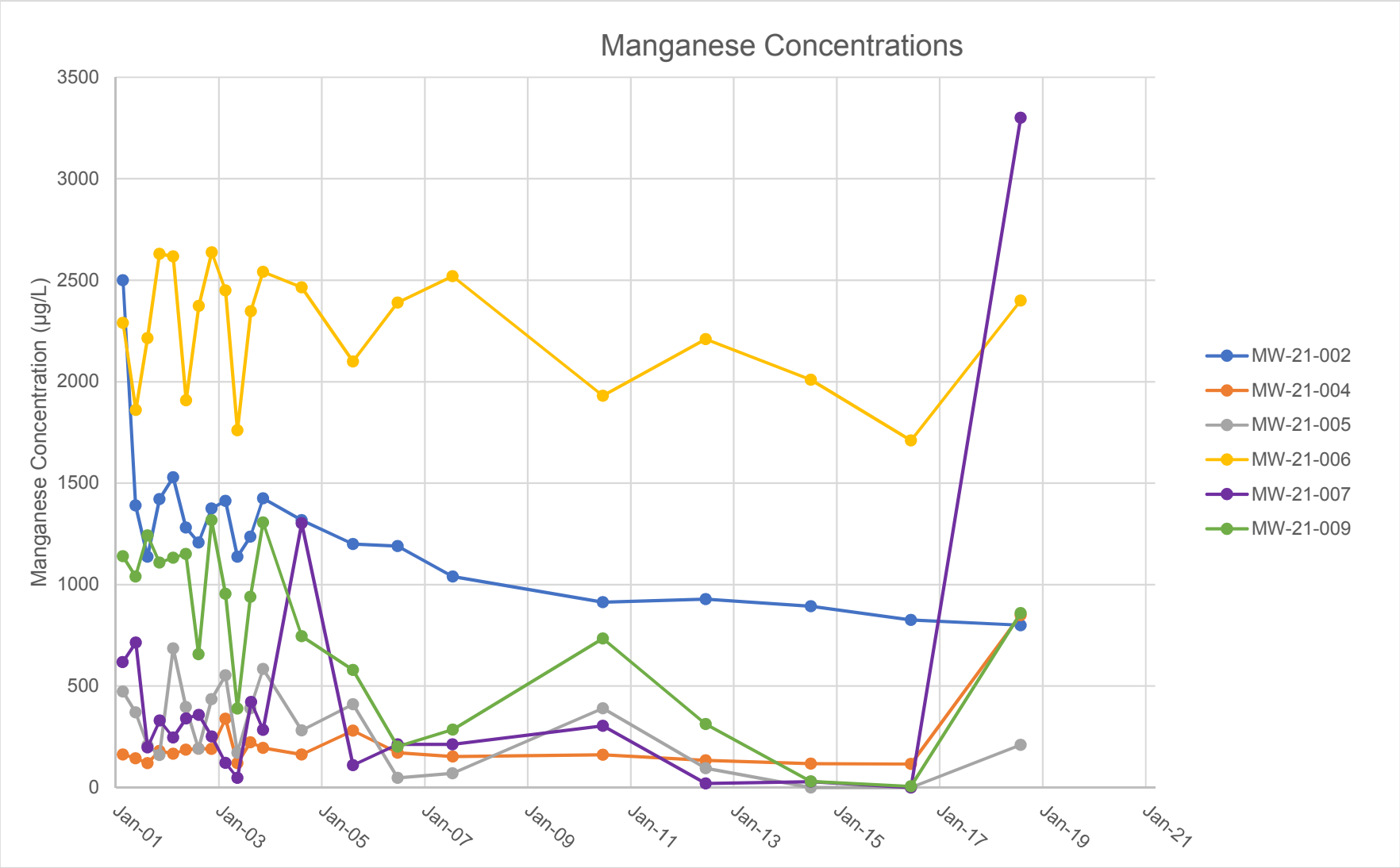
Former Plattsburgh Air Force Base
Plattsburgh, New York
Landfill LF021



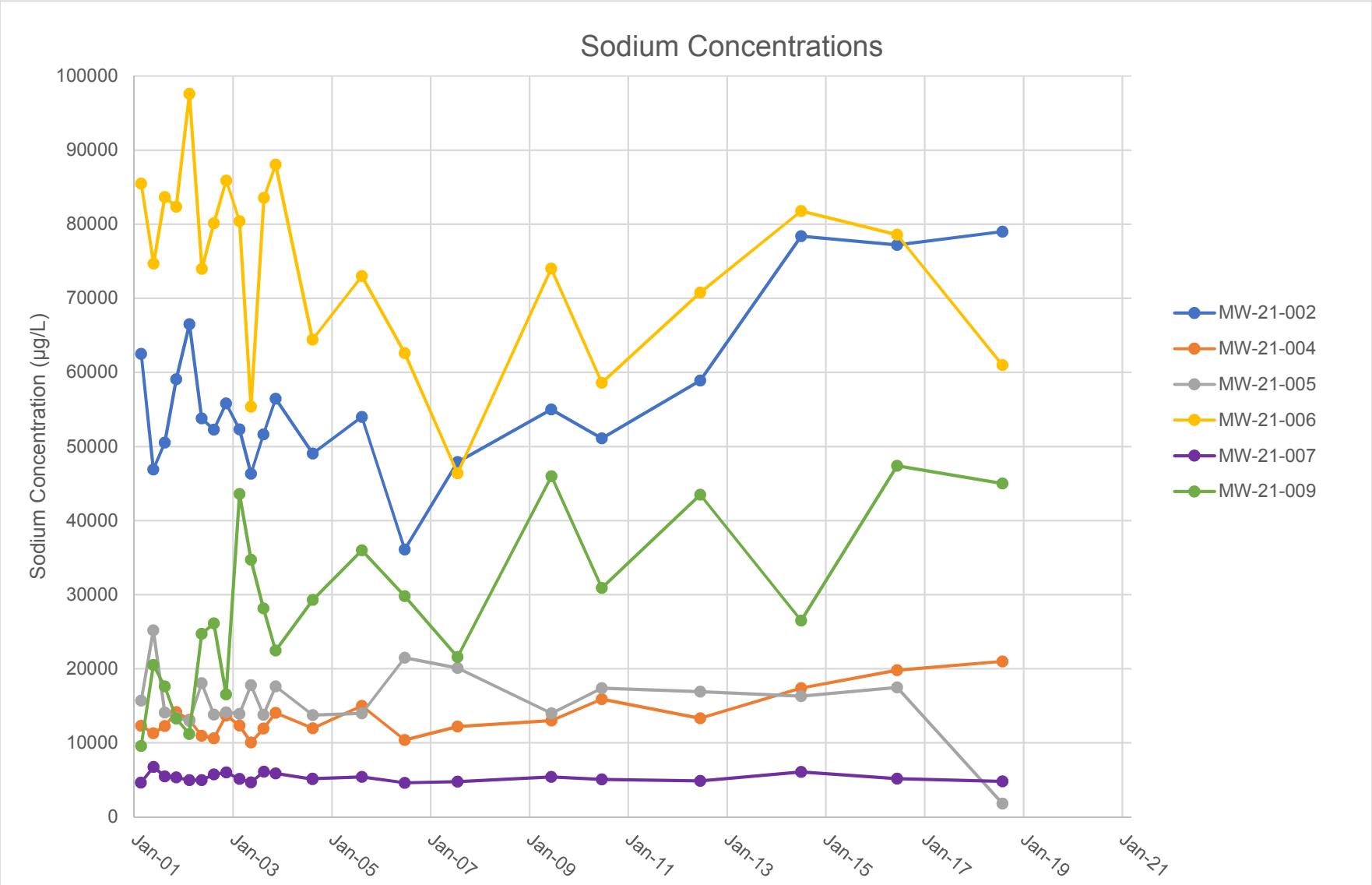
Former Plattsburgh Air Force Base
Plattsburgh, New York
Landfill LF021



Former Plattsburgh Air Force Base
Plattsburgh, New York
Landfill LF021



Former Plattsburgh Air Force Base
Plattsburgh, New York
Landfill LF021



APPENDIX B-5

Landfill LF022

Appendix B-5
Groundwater Analytical Data, Landfill LF022
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-22-001	MW-22-001	MW-22-001	MW-22-001	MW-22-001	MW-22-001	MW-22-001	MW-22-001	MW-22-001	MW-22-001	MW-22-001	MW-22-001	MW-22-001	MW-22-001	MW-22-001	MW-22-001	MW-22-001	MW-22-001
		Sample Date	12/7/1987	1/12/1989	3/22/2001	6/20/2001	6/20/2001	9/18/2001	9/18/2001	12/11/2001	12/11/2001	3/15/2002	3/15/2002	6/13/2002	9/17/2002	9/17/2002	12/10/2002	6/18/2003	12/17/2003	7/1/2004
		Sample Type	N	N	N	N	FD	N	FD	N	FD	N	FD	N	N	FD	N	N	N	N
Chemical	**Fraction**	**Unit**																		
Aluminum	D	ug/L	**26**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	NA	NA	< 8.5 U	NA	NA	NA	NA	NA	NA	NA	NA	**112 F**	**75.3 F**	**34.3 F**	**459 M**	NA	**277 M**	NA
Antimony	D	ug/L	< 60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	NA	NA	< 4.1 U	NA	NA	NA	NA	NA	NA	NA	NA	**7.6 F**	< 50 U	< 50 U	**10.8 F**	NA	< 50 U	NA
Arsenic	D	ug/L	**1.5**	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	ug/L	NA	NA	< 4.4 U	NA	NA	NA	NA	NA	NA	NA	NA	**5.7 F**	< 30 U	< 30 U	< 30 U	NA	**16.2 F**	NA
Barium	D	ug/L	**18**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	ug/L	NA	NA	**22.1**	NA	NA	NA	NA	NA	NA	NA	NA	**22**	**20.6 J**	**20.5 J**	**24.1 F**	NA	**17.2 J**	NA
Beryllium	D	ug/L	< 5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	NA	NA	< 1 U	NA	NA	NA	NA	NA	NA	NA	NA	< 5 U	< 5 U	< 5 U	< 4 U	NA	< 4 U	NA
Boron	T	ug/L	NA	NA	**96.8 B**	NA	NA	NA	NA	NA	NA	NA	NA	**111**	**17.1 F**	**22.8 F**	**55.1 F**	NA	**14.7 F**	NA
Cadmium	D	ug/L	< 5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	ug/L	NA	NA	< 0.4 U	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	**0.28 F**	< 5 U	**1.05 F**	< 5 U
Calcium	D	ug/L	**92500**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	NA	NA	**115000**	**94400**	**89100**	**125078 M**	**121688 M**	**102654 MJ**	**101258 MJ**	**113733 M**	**108661 M**	**95647 M**	**70977 M**	**69893 M**	**90831 M**	**97704 M**	**79660 M**	**45089 M**
Chromium	D	ug/L	< 10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	ug/L	NA	NA	**1.1 B**	NA	NA	NA	NA	NA	NA	NA	NA	< 10 U	**2.7 F**	**2.6 F**	**2.5 F**	NA	**2.5 F**	NA
Chromium VI	T	mg/L	NA	NA	< 0.01 UJ	NA	NA	NA	NA	NA	NA	NA	NA	R	NA	NA	R	NA	R	NA
Cobalt	D	ug/L	**7.9**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	D	ug/L	**17**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	NA	NA	< 3 U	NA	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	< 10 U	< 10 U	NA	< 10 U	NA
Iron	D	ug/L	**187**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	NA	NA	**121**	**428**	**103 F**	**113 F**	**101 F**	< 200 UM	< 200 UM	**115 F**	**107 F**	**248 M**	**242**	**184 F**	**1109 J**	**193 J**	**536 J**	**299 J**
Lead	D	ug/L	< 5	< 0.91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	ug/L	NA	NA	< 2.1 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	**3.9 F**	< 25 U	< 25 U	< 25 U
Magnesium	D	ug/L	**25100**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	NA	NA	**35000**	**24700**	**24800**	**32639**	**32638**	**21194 M**	**22151 M**	**28045**	**27966**	**20440**	**17218**	**17005**	**20735 M**	**24563**	**24056 J**	**14418 M**
Manganese	D	ug/L	**5.6**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	NA	NA	**5.4 B**	**16.4 J**	**8.2 J**	**2.9 F**	**2.5 F**	**2.39 F**	**3.32 F**	**8.4**	**4.4 F**	**13.7**	**14.8**	**12.7**	**49.3 J**	**7.2 F**	**18.3 J**	**7.7 J**
Mercury	D	ug/L	NA	< 0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	NA	NA	< 0.1 U	NA	NA	NA	NA	NA	NA	NA	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA
Nickel	D	ug/L	< 40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	NA	NA	< 2.7 U	NA	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	< 10 U	< 20 U	NA	< 20 U	NA
Potassium	D	ug/L	**9870**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	NA	NA	**3590 J**	**4250 J**	**3600 J**	**4117 J**	**3918 J**	**4087**	**3605**	**2586 J**	**2484 J**	**2979 J**	**2310 J**	**2372 J**	**3691**	**2894**	**2152 J**	**1101 J**
Selenium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	NA	NA	< 9.9 U	NA	NA	NA	NA	NA	NA	NA	NA	< 30 U	< 30 U	< 30 U	< 30 U	NA	**33.1**	NA
Silver	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	NA	NA	< 0.9 U	NA	NA	NA	NA	NA	NA	NA	NA	**3.6 F**	< 10 U	< 10 U	< 10 U	NA	< 10 U	NA
Sodium	D	ug/L	**17900**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	NA	NA	**29900**	**13900 M**	**27800 M**	**30331 M**	**30874 M**	**33609 M**	**37311 M**	**39746**	**46896**	**19967 M**	**43388**	**42080**	**25315 J**	**22070**	**45937 M**	**57095 M**
Thallium	D	ug/L	NA	< 2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	NA	NA	< 4.3 U	NA	NA	NA	NA	NA	NA	NA	NA	**6.6 F**	< 80 U	< 80 U	< 80 U	NA	< 80 U	NA
Vanadium	D	ug/L	**11**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	D	ug/L	**6.8**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	NA	NA	**12.6**	NA	NA	NA	NA	NA	NA	NA	NA	**4.5 F**	**6.3 F**	**5.2 F**	**3.6 F**	NA	**3.3 J**	NA

Appendix B-5
Groundwater Analytical Data, Landfill LF022
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-22-001	MW-22-001	MW-22-001	MW-22-001	MW-22-001	MW-22-001	MW-22-001	MW-22-001	MW-22-001	MW-22-001	MW-22-001	MW-22-001	MW-22-002	MW-22-002	MW-22-002	MW-22-002	MW-22-002	MW-22-002
		Sample Date	12/14/2004	3/22/2005	6/21/2005	6/21/2006	7/24/2007	6/22/2009	6/16/2010	6/20/2012	6/20/2012	6/25/2014	6/25/2014	8/3/2018	12/7/1987	1/12/1989	3/23/2001	6/19/2001	9/18/2001	12/12/2001
		Sample Type	N	N	N	N	N	N	N	N	FD	N	FD	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**																		
Aluminum	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200	**33**	NA	NA	NA	NA
Aluminum	T	ug/L	NA	**70 F**	**140 F**	**235 J**	**239**	**330**	**1070 J**	**236**	**224**	**1440**	**1390**	**65**	NA	NA	< 8.5 U	NA	NA	NA
Antimony	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 60	< 43	NA	NA	NA	NA
Antimony	T	ug/L	NA	< 50000 U	< 50 U	< 50 U	< 50 U	< 2 U	**3.43 M**	< 1 U	< 1 U	**0.646 F**	< 1 U	< 1.0	NA	NA	< 4.1 U	NA	NA	NA
Arsenic	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**4.3**	**2.8**	NA	NA	NA	NA
Arsenic	T	ug/L	NA	< 30000 U	< 30 U	< 30 U	< 30 U	**0.44 F**	**61.6 M**	< 1 U	< 1 U	**34.4**	**0.722 F**	< 1.0	NA	NA	< 4.4 U	NA	NA	NA
Barium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**34**	**38**	NA	NA	NA	NA
Barium	T	ug/L	NA	**13.7 F**	**11 F**	**10 F**	**7.25 F**	**13**	**19.1**	**8.91 F**	**8.77 F**	**28.3**	**27**	**13**	NA	NA	**35.6**	NA	NA	NA
Beryllium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5	< 1.1	NA	NA	NA	NA
Beryllium	T	ug/L	NA	< 4000 U	< 4 U	< 4 U	< 4 U	< 1 U	< 2 UM	< 2 U	< 2 U	< 2 U	< 2 U	< 0.30	NA	NA	< 1 U	NA	NA	NA
Boron	T	ug/L	NA	**33 F**	**15 F**	**10.6 F**	**17.3 F**	**27 M**	**118**	< 100 U	< 100 U	**68 F**	**64.4 F**	NA	NA	NA	< 32.4 U	NA	NA	NA
Cadmium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5	< 4.3	NA	NA	NA	NA
Cadmium	T	ug/L	< 5 U	< 5000 U	**0.31 F**	< 5 U	< 5 U	**0.9 F**	**0.402 F**	< 0.6 U	< 0.6 U	**0.665**	**0.42 F**	**0.49**	NA	NA	< 0.4 U	< 7 U	< 7 U	< 7 U
Calcium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**113000**	**121000**	NA	NA	NA	NA
Calcium	T	ug/L	**115094 M**	**100200 M**	**58000**	**59900**	**47700**	**68000**	**50300 M**	**44800 M**	**44600 M**	**93400 M**	**92500 M**	**57000**	NA	NA	**119000**	**163000**	**176626 M**	**146324 MJ**
Chromium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10	< 5	NA	NA	NA	NA
Chromium	T	ug/L	NA	**3 F**	**2.9 F**	**1.4 F**	**3.64 F**	**1.2 J**	**5.88**	**2.45**	**2.37**	**6.07 J**	**4.37 J**	**1.5**	NA	NA	< 0.8 U	NA	NA	NA
Chromium VI	T	mg/L	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.011 J**	NA	NA	NA
Cobalt	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**13**	< 2.5	NA	NA	NA	NA
Cobalt	T	ug/L	NA	< 60000 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.14**	NA	NA	NA	NA	NA	NA
Copper	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**17**	**12**	NA	NA	NA	NA
Copper	T	ug/L	NA	< 10000 U	**1.5 F**	< 10 U	< 10 U	**1.1 J**	**6.73**	< 2 U	< 2 U	**2.57**	**1.98 F**	< 1.8	NA	NA	< 3 U	NA	NA	NA
Iron	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**7180**	**8760**	NA	NA	NA	NA
Iron	T	ug/L	**27.7 J**	**153 J**	**270**	**959 J**	**1050 J**	**830**	**1490 J**	**543 M**	**552 M**	**3350**	**3300**	**570**	NA	NA	**684**	**227**	**368**	**120 MF**
Lead	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5	< 0.91	NA	NA	NA	NA
Lead	T	ug/L	< 25 U	**1.1 J**	< 25 U	< 25 U	< 25 U	**0.5 F**	**2.28**	< 1 U	< 1 U	**1.36**	**0.98 F**	< 0.70	NA	NA	< 2.1 U	< 25 U	< 25 U	< 25 U
Magnesium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**21800**	**21900**	NA	NA	NA	NA
Magnesium	T	ug/L	**28986**	**29130**	**16000**	**17200**	**14200**	**20000**	**12000 J**	**10300**	**10300**	**26500**	**26500**	**19000**	NA	NA	**23000**	**29700**	**33640**	**26111 M**
Manganese	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**716**	**877**	NA	NA	NA	NA
Manganese	T	ug/L	R	**7 J**	**6.6 M**	**14.5**	**11.2**	**13**	**22.5**	**24.1**	**24.9**	**96.4**	**103**	**26**	NA	NA	**345**	**124 J**	**185**	**83.3**
Mercury	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.2	NA	NA	NA	NA
Mercury	T	ug/L	NA	< 1000 U	**0.014 F**	< 1 U	< 1 U	< 0.2 U	< 0.2 U	< 0.2 UM	< 0.2 UM	< 0.2 U	< 0.2 U	< 0.080	NA	NA	< 0.1 U	NA	NA	NA
Nickel	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 40	< 24	NA	NA	NA	NA
Nickel	T	ug/L	NA	R	**1.5 F**	< 20 U	< 20 U	**0.96 F**	**2.44 F**	**3.59 F**	**3.72 F**	**4.24**	**3.94 F**	**1.4**	NA	NA	< 2.7 U	NA	NA	NA
Potassium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**13500**	< 2360	NA	NA	NA	NA
Potassium	T	ug/L	**3095 J**	**1630**	**1900**	**1320**	**1230**	**1200**	**1400**	**1670**	**1740**	**3070**	**2920**	**1200**	NA	NA	**6490 J**	**9470 J**	**9319 J**	**7806**
Selenium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**10**	NA	NA	NA	NA
Selenium	T	ug/L	NA	< 30000 U	< 30 U	< 30 U	< 30 U	< 5 U	< 1 UM	**0.632 F**	**0.613 F**	**137**	**0.646 F**	< 2.0	NA	NA	< 9.9 U	NA	NA	NA
Silver	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4.3	NA	NA	NA	NA
Silver	T	ug/L	NA	**1 F**	**1.3 F**	< 10 U	< 10 U	< 1 U	< 1 UM	< 1 U	< 1 U	< 1 U	< 1 U	< 0.10	NA	NA	< 0.9 U	NA	NA	NA
Sodium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**23800**	**11000**	NA	NA	NA	NA
Sodium	T	ug/L	**12550 J**	**21100 M**	**13000**	**13700**	**3130**	**17000**	**9960 J**	**55300**	**52900**	**29500**	**33200**	**83000**	NA	NA	**37200**	**14100 M**	**15429 M**	**35540 M**
Thallium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2	NA	NA	NA	NA
Thallium	T	ug/L	NA	< 80000 U	< 80 U	< 80 U	< 80 U	< 1 U	< 0.2 U	< 0.2 U	< 0.2 U	**0.135 F**	< 0.2 U	< 0.20	NA	NA	< 4.3 U	NA	NA	NA
Vanadium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**12**	< 2.3	NA	NA	NA	NA
Vanadium	T	ug/L	NA	**2 J**	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.99**	NA	NA	NA	NA	NA	NA
Zinc	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**8.4**	**11**	NA	NA	NA	NA
Zinc	T	ug/L	NA	**12 F**	**5.4 F**	**5.83 F**	< 20 U	**2.7 F**	**10.4 M**	< 20 U	**5.31 F**	**17.2 F**	**20.6**	**3.4**	NA	NA	**4.1 B**	NA	NA	NA

Appendix B-5
Groundwater Analytical Data, Landfill LF022
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-22-002	MW-22-002	MW-22-002	MW-22-002	MW-22-002	MW-22-002	MW-22-002	MW-22-002	MW-22-002	MW-22-002	MW-22-002	MW-22-002	MW-22-002	MW-22-002	MW-22-002	MW-22-002	MW-22-002	MW-22-002
		Sample Date	3/14/2002	6/11/2002	9/18/2002	12/12/2002	12/12/2002	6/17/2003	12/10/2003	12/10/2003	6/21/2004	12/14/2004	3/21/2005	3/21/2005	6/20/2005	6/19/2006	7/18/2007	6/17/2009	6/15/2010	6/19/2012
		Sample Type	N	N	N	N	FD	N	N	FD	N	N	N	FD	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**																		
Aluminum	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	NA	**25.6 F**	**32 F**	< 200 UM	< 200 UM	NA	< 200 U	< 200 U	NA	NA	< 200000 U	< 200000 U	**21 F**	**48.7 F**	< 200 U	< 200 U	**430 J**	< 100 U
Antimony	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	NA	**9.4 F**	**3.2 F**	**14.7 F**	**10.3 F**	NA	< 50 U	< 50 U	NA	NA	< 50000 U	< 50000 U	< 50 U	< 50 U	< 50 U	**0.4 M**	**7.39 M**	< 1 U
Arsenic	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	ug/L	NA	< 30 U	< 30 U	< 30 U	< 30 U	NA	**18.4 F**	**23.7 F**	NA	NA	< 30000 U	< 30000 U	< 30 U	< 30 U	< 30 U	**0.93 F**	**115 M**	**0.517 F**
Barium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	ug/L	NA	**42.8 J**	**44.3 J**	**45 F**	**39.6 F**	NA	**33.7 F**	**35.9 F**	NA	NA	**36.6 F**	**36.5 F**	**36 F**	**49.8 F**	**35.1 F**	**44**	**48.3**	**35.6**
Beryllium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	NA	< 5 U	< 5 U	< 4 U	< 4 U	NA	< 4 U	< 4 U	NA	NA	< 4000 U	< 4000 U	< 4 U	< 4 U	< 4 U	< 1 U	< 2 UM	< 2 U
Boron	T	ug/L	NA	**98.9 F**	**87.2 F**	**90.6 F**	**80.8 F**	NA	**37.4 F**	**38.1 F**	NA	NA	**134**	**132**	**130**	**149**	**150**	**170 M**	**177**	**57.4 F**
Cadmium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	ug/L	< 7 U	< 7 U	< 7 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5000 U	< 5000 U	< 5 U	< 5 U	< 5 U	< 1 U	< 0.6 U	< 0.6 U
Calcium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	**127602 M**	**149834 M**	**140497 M**	**143318 M**	**140997 M**	**103410 M**	**106307 M**	**112606 M**	**117965 M**	**112188 M**	**118700 M**	**116300 M**	**110000**	**120000**	**107000**	**120000**	**112000 M**	**127000 M**
Chromium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	ug/L	NA	< 10 U	**1.6 F**	**1 F**	**1.4 F**	NA	**1.6 F**	**2.4 F**	NA	NA	**2 F**	**1 F**	**1.7 F**	< 10 U	**5.23 F**	< 2 U	**4.29**	**1.32 F**
Chromium VI	T	mg/L	NA	R	NA	R	NA	NA	< 0.01 U	< 0.01 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA
Cobalt	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 60000 U	< 60000 U	NA	NA	NA	NA	NA	NA
Copper	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	NA	< 10 U	< 10 U	**1.2 F**	< 10 U	NA	< 10 U	< 10 U	NA	NA	< 10000 U	< 10000 U	< 10 U	**2.2 F**	< 10 U	**0.76 F**	**3.62**	**1.45 F**
Iron	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	**144 F**	< 200 UM	**397**	**851 J**	**126 JF**	**976 J**	< 200 U	**288**	**623 J**	**610 J**	**149 J**	**235 J**	**460**	**1440 J**	**49.4 J**	**690 J**	**1220 J**	**465 M**
Lead	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	ug/L	< 25 U	< 25 U	< 25 U	**4.1 F**	**3.1 F**	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25000 U	< 25000 U	< 25 U	< 25 U	< 25 U	< 2 U	**3.78**	< 1 U
Magnesium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	**25299**	**30394**	**28277**	**26644 M**	**26559 M**	**21372**	**22689**	**23559**	**24065 M**	**25729**	**28740**	**27740**	**27000**	**27800**	**25400**	**32000**	**18900 J**	**24200**
Manganese	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	**76.9**	**41.2**	**85.7**	**378 J**	**53.5 J**	**446**	**40.3 J**	**99.7 J**	**216 J**	**188 J**	**40 J**	**69 J**	**160 M**	**447 J**	**15.3**	**75 J**	**483**	**132**
Mercury	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	NA	< 1 U	NA	**0.03 F**	**0.03 F**	NA	< 1 U	< 1 U	NA	NA	< 1000 U	< 1000 U	**0.013 F**	< 1 U	< 1 U	< 0.2 U	< 0.2 U	< 0.2 UM
Nickel	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	NA	< 10 U	< 10 U	< 20 U	< 20 U	NA	< 20 U	< 20 U	NA	NA	< 20000 U	< 20000 U	< 20 U	**1.48 F**	< 20 U	**0.97 F**	**7.38**	**10.6**
Potassium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	**6446 J**	**5982 J**	**5544 J**	**6862**	**5668**	**7032**	**6920**	**7637**	**8846 J**	**7849 J**	**7220**	**7340**	**6600**	**11400**	**8080**	**6100**	**7730**	**4940**
Selenium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	NA	< 30 U	< 30 U	< 30 U	< 30 U	NA	< 30 U	**8.9 F**	NA	NA	< 30000 U	< 30000 U	< 30 U	< 30 U	< 30 U	< 5 U	**0.641 M**	**1.21**
Silver	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	NA	< 10 U	< 10 U	< 10 U	< 10 U	NA	< 10 U	< 10 U	NA	NA	< 10000 U	< 10000 U	< 10 U	< 10 U	< 10 U	< 1 U	< 1 UM	< 1 U
Sodium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	**27925**	**28830 M**	**19162**	**30647 J**	**31598 J**	**27570**	**24330 M**	**24561 M**	**33984 M**	**21299 J**	**20560 M**	**20660 M**	**21000**	**11000**	**22000**	**9800**	**10900 J**	**71400**
Thallium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	NA	**6.7 F**	**6.4 F**	**4.2 F**	< 80 U	NA	< 80 U	< 80 U	NA	NA	< 80000 U	< 80000 U	< 80 U	< 80 U	< 80 U	< 1 U	< 0.2 U	< 0.2 U
Vanadium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10000 U	< 10000 U	NA	NA	NA	NA	NA	NA
Zinc	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	NA	**7.4 F**	**3.8 F**	**4.9 F**	**2.9 F**	NA	< 20 U	< 20 U	NA	NA	**6 F**	**9 F**	**3.3 F**	**8.21 F**	< 20 U	**2.9 F**	< 20 UM	< 20 U

Appendix B-5
Groundwater Analytical Data, Landfill LF022
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-22-002	MW-22-002	MW-22-003	MW-22-003	MW-22-003	MW-22-003	MW-22-003	MW-22-003	MW-22-003	MW-22-003	MW-22-003	MW-22-003	MW-22-003	MW-22-003	MW-22-003	MW-22-003	MW-22-003	MW-22-003
		Sample Date	6/25/2014	8/2/2018	1/11/1989	3/21/2001	6/19/2001	9/18/2001	12/12/2001	3/15/2002	6/12/2002	9/18/2002	12/13/2002	12/20/2002	6/18/2003	12/11/2003	6/21/2004	12/14/2004	3/23/2005	6/22/2005
		Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**																		
Aluminum	D	ug/L	NA	NA	**36**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	**468**	< 70	NA	**965**	NA	NA	NA	NA	**1440**	< 200 U	**373 M**	NA	NA	**4524 M**	NA	NA	**1630**	**810**
Antimony	D	ug/L	NA	NA	**44**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	**0.98 F**	< 1.0	NA	< 4.1 U	NA	NA	NA	NA	**5.1 F**	< 50 U	< 50 U	NA	NA	< 50 U	NA	NA	< 50000 U	< 50 U
Arsenic	D	ug/L	NA	NA	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	ug/L	**1.65**	< 1.0	NA	< 4.4 U	NA	NA	NA	NA	< 30 U	**10.6 F**	< 30 U	NA	NA	< 30 U	NA	NA	< 30000 U	< 30 U
Barium	D	ug/L	NA	NA	**18**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	ug/L	**39.1**	**17**	NA	**30.6**	NA	NA	NA	NA	**34.9**	**73.2 J**	**28.2 F**	NA	NA	**53.8**	NA	NA	**42 F**	**47 F**
Beryllium	D	ug/L	NA	NA	< 1.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	< 2 U	< 0.30	NA	< 0.1 U	NA	NA	NA	NA	< 5 U	< 5 U	< 4 U	NA	NA	**0.54 F**	NA	NA	< 4000 U	< 4 U
Boron	T	ug/L	**58.8 F**	NA	NA	**111**	NA	NA	NA	NA	**17.1 F**	**85.6 F**	**51.2 F**	NA	NA	**66.8 F**	NA	NA	**42 F**	**39 F**
Cadmium	D	ug/L	NA	NA	< 4.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	ug/L	< 0.6 U	< 1.0	NA	< 0.4 U	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	< 5 U	NA	< 5 U	< 5 U	< 5 U	< 5 U	< 5000 U	< 5 U
Calcium	D	ug/L	NA	NA	**74200**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	**133000 M**	**72000**	NA	**81000**	**49400**	**68448 M**	**79786 MJ**	**61304 M**	**54833 M**	**121828 M**	**76297 M**	NA	**69357 M**	**56368 M**	**95311 M**	**101035 M**	**69310 M**	**78000**
Chromium	D	ug/L	NA	NA	< 5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	ug/L	**1.23 J**	**0.56**	NA	**2.9 B**	NA	NA	NA	NA	**2.8 F**	**0.7 F**	**0.6 F**	NA	NA	**8.4 F**	NA	NA	**1 F**	**2.3 F**
Chromium VI	T	mg/L	NA	NA	NA	< 0.01 UJ	NA	NA	NA	NA	R	NA	NA	< 0.01 UM	NA	**0.043 M**	NA	NA	**0.003 F**	NA
Cobalt	D	ug/L	NA	NA	**9.3**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	NA	**0.091**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 60000 U	NA
Copper	D	ug/L	NA	NA	**4.8**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	**2.19**	< 1.8	NA	**4.1 B**	NA	NA	NA	NA	< 10 U	< 10 U	< 10 U	NA	NA	**4.3 F**	NA	NA	< 10000 U	**2 F**
Iron	D	ug/L	NA	NA	**64**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	**1980**	**78**	NA	**1580**	**699**	**1282**	**122 MF**	**825**	**2090 M**	**17397**	**641 J**	NA	**4529 J**	**7742**	**231 J**	**204 J**	**2316 J**	**1100**
Lead	D	ug/L	NA	NA	< 0.91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	ug/L	**0.839 F**	< 0.70	NA	< 2.1 U	< 25 U	< 25 U	< 25 U	**4.7 F**	< 25 U	< 25 U	< 25 U	NA	**2.9 F**	**5.4 F**	< 25 U	< 25 U	**2.5 J**	**1.2 F**
Magnesium	D	ug/L	NA	NA	**25900**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	**23200**	**15000**	NA	**19900**	**11600**	**15872**	**17293 M**	**14555**	**13397**	**19800**	**17600 M**	NA	**16554**	**13421**	**17925 M**	**18033**	**12390**	**14000**
Manganese	D	ug/L	NA	NA	< 1.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	**461**	**24**	NA	**29.9**	**15.5 J**	**22.9**	**4.4 F**	**26.3**	**49.7**	**649**	**14.7 J**	NA	**163**	**118 J**	**7.6 J**	**7.1 J**	**34 J**	**20 M**
Mercury	D	ug/L	NA	NA	< 0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	< 0.2 U	< 0.080	NA	< 0.1 U	NA	NA	NA	NA	< 1 U	NA	< 1 U	NA	NA	< 1 U	NA	NA	< 1000 U	**0.027 F**
Nickel	D	ug/L	NA	NA	< 24	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	**6.07**	< 1.0	NA	< 2.7 U	NA	NA	NA	NA	< 10 U	< 10 U	< 20 U	NA	NA	**5.1 F**	NA	NA	**2 J**	**2.6 F**
Potassium	D	ug/L	NA	NA	**10200**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	**6740**	**2300**	NA	**2160 J**	**1680 J**	**1922 J**	**1617**	**2042 J**	**2439 J**	**12389 J**	**1480**	NA	**1898**	**2422**	**1678 J**	**1945 J**	**2860**	**3500**
Selenium	D	ug/L	NA	NA	**10**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	**1.54**	< 2.0	NA	< 9.9 U	NA	NA	NA	NA	< 30 U	< 30 U	**6.9 F**	NA	NA	< 30 U	NA	NA	< 30000 U	< 30 U
Silver	D	ug/L	NA	NA	< 4.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	< 1 U	< 0.10	NA	< 0.9 U	NA	NA	NA	NA	< 10 U	< 10 U	< 10 U	NA	NA	< 10 U	NA	NA	< 10000 U	**1.4 F**
Sodium	D	ug/L	NA	NA	**125000**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	**12100**	**74000**	NA	**150000**	**144000 M**	**119471 M**	**96742 M**	**137030**	**139777 M**	**42762**	**116897 J**	NA	**141801**	**130433 M**	**171508 M**	**121616 J**	**194400 M**	**250000**
Thallium	D	ug/L	NA	NA	< 2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	< 0.2 U	< 0.20	NA	< 4.3 U	NA	NA	NA	NA	**5.1 F**	**5.5 F**	< 80 U	NA	NA	< 80 U	NA	NA	< 80000 U	< 80 U
Vanadium	D	ug/L	NA	NA	**8.7**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	NA	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**4 J**	NA
Zinc	D	ug/L	NA	NA	**83**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	**11.8 F**	**2.1**	NA	**4.9 B**	NA	NA	NA	NA	**8.3 F**	**2.6 F**	**2.2 F**	NA	NA	**16.1 F**	NA	NA	**10 F**	**4.6 F**

Appendix B-5
Groundwater Analytical Data, Landfill LF022
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-22-003	MW-22-003	MW-22-003	MW-22-003	MW-22-003	MW-22-003	MW-22-003	MW-22-003	MW-22-003	MW-22-003	MW-22-003	MW-22-004	MW-22-004	MW-22-004	MW-22-004	MW-22-004	MW-22-004	MW-22-004
		Sample Date	6/22/2005	6/21/2006	6/21/2006	7/19/2007	7/19/2007	6/19/2009	6/19/2009	6/15/2010	6/20/2012	6/26/2014	8/3/2018	1/11/1989	3/21/2001	6/12/2002	12/13/2002	12/20/2002	12/11/2003	3/23/2005
		Sample Type	FD	N	FD	N	FD	N	FD	N	N	N	N	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**																		
Aluminum	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 25	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	**110 F**	**549 J**	**369 J**	**162 F**	**97.2 F**	**1800**	**2100**	**1530 J**	**666**	**4410**	**170**	NA	**3430**	**1284**	**625 M**	NA	**452 M**	**90 F**
Antimony	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 43	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	< 50 U	**3.39 F**	**3.5 F**	**9.65 F**	**4.45 F**	**0.65 M**	**0.73 M**	**5.2 M**	**0.977 F**	**0.625 F**	< 1.0	NA	**4.8 B**	**9.2 F**	< 50 U	NA	< 50 U	< 50000 U
Arsenic	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.6	NA	NA	NA	NA	NA	NA
Arsenic	T	ug/L	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 5 U	< 5 U	**84.4 M**	< 1 U	**1.05**	< 1.0	NA	< 4.4 U	< 30 U	< 30 U	NA	< 30 U	< 30000 U
Barium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**22**	NA	NA	NA	NA	NA	NA
Barium	T	ug/L	**45 F**	**31.4 F**	**29.5 F**	**21.3 F**	**20.4 F**	**34**	**38**	**38.2**	**17.5**	**50.1**	**26**	NA	**42.8**	**23**	**18.1 F**	NA	**13.7 F**	**9.06 F**
Beryllium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.1	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 1 U	< 1 U	< 2 UM	< 2 U	< 2 U	< 0.30	NA	**0.25 B**	< 5 U	< 4 U	NA	**0.18 F**	< 4000 U
Boron	T	ug/L	**60**	**37.5 F**	**31.9 F**	**97**	**97.6**	**18 M**	**20 M**	**124**	< 100 U	< 100 U	NA	NA	< 32.4 U	< 110 U	< 110 U	NA	< 110 U	**7 F**
Cadmium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4.3	NA	NA	NA	NA	NA	NA
Cadmium	T	ug/L	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 1 U	< 1 U	< 0.6 U	< 0.6 U	< 0.6 U	< 1.0	NA	< 0.4 U	< 7 U	< 5 U	NA	< 5 U	< 5000 U
Calcium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**50200**	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	**85000**	**60200**	**59100**	**41800**	**41000**	**37000**	**38000**	**56400 M**	**29800 M**	**44200 M**	**81000**	NA	**65800**	**52426 M**	**62851 M**	NA	**53412 M**	**56180 M**
Chromium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5	NA	NA	NA	NA	NA	NA
Chromium	T	ug/L	**2 F**	**3.91 F**	**3.58 F**	**3.42 F**	**2.32 F**	**3.1 J**	**4.1 J**	**5.35**	**2.93**	**6.72 J**	**1.1**	NA	**7 B**	**3.4 F**	**0.9 F**	NA	**1.9 F**	**1 F**
Chromium VI	T	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.01 UJ	R	NA	**0.16 M**	**0.024 M**	< 0.5 U
Cobalt	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**12**	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.11**	NA	NA	NA	NA	NA	NA	< 60000 U
Copper	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**4.8**	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	< 10 U	< 10 U	**1.65 F**	< 10 U	< 10 U	**2.1 J**	**2.7 J**	**2.89**	**1.76 F**	**4.55**	< 1.8	NA	**7.2 B**	< 10 U	**1.3 F**	NA	< 10 U	< 10000 U
Iron	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**19**	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	**120 F**	**791 J**	**553 J**	**298 J**	**179 J**	**3200**	**3700**	**1790 J**	**1100 M**	**6540**	**290**	NA	**4410**	**1486 M**	**794 J**	NA	**653**	**113 J**
Lead	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.91	NA	NA	NA	NA	NA	NA
Lead	T	ug/L	< 25 U	**1.15 F**	**1.02 F**	< 25 U	< 25 U	**2.9**	**3.3**	**3.5**	**1.11**	**5.32**	**0.21**	NA	< 2.1 U	< 25 U	< 25 U	NA	< 25 U	**1.3 J**
Magnesium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**18700**	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	**14000**	**11300**	**11100**	**8640**	**8560**	**7800**	**7900**	**8870 J**	**4870**	**9070**	**13000**	NA	**18600**	**16644**	**16891 M**	NA	**17628**	**18160**
Manganese	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**166**	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	**5 M**	**11.6**	**8.95 F**	**6.93 F**	**4.52 F**	**44**	**53**	**26.7**	**12.3**	**89.5**	**5.2**	NA	**81.4**	**29.8**	**22 J**	NA	**15.7 J**	**2 J**
Mercury	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.2	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	**0.024 F**	< 1 U	< 1 U	< 1 U	< 1 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 UM	< 0.2 U	< 0.080	NA	< 0.1 U	< 1 U	< 1 U	NA	< 1 U	< 1000 U
Nickel	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 24	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	**1.5 F**	**2.59 F**	**1.27 F**	**2.9 F**	**1.72 F**	**3.2**	**3.5**	**4.02**	**3.62 F**	**4.84**	**0.58**	NA	**5.5 B**	< 10 U	< 20 U	NA	< 20 U	R
Potassium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**9530**	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	**3500**	**3390**	**3250**	**2740**	**2320**	**2400**	**2500**	**2560**	**1540**	**2950**	**2200**	NA	**4010 J**	**3833 J**	**2210**	NA	**2383**	**1580**
Selenium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**10**	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	**0.78 F**	< 5 U	**1.19 M**	**0.957 F**	**1.14**	< 2.0	NA	< 9.9 U	< 30 U	< 30 U	NA	< 30 U	< 30000 U
Silver	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4.3	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	< 10 U	**1.18 F**	< 10 U	< 10 U	< 10 U	< 1 U	< 1 U	< 1 UM	< 1 U	< 1 U	< 0.10	NA	< 0.9 U	< 10 U	< 10 U	NA	< 10 U	**1 F**
Sodium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**33800**	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	**250000**	**169000**	**171000**	**179000**	**181000**	**150000**	**150000**	**135000 J**	**120000**	**132000**	**120000**	NA	**126000**	**113576 M**	**119840 J**	NA	**126620 M**	**131700 M**
Thallium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 1 U	< 1 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.20	NA	< 4.3 U	< 80 U	< 80 U	NA	< 80 U	< 80000 U
Vanadium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**11**	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2.0	NA	NA	NA	NA	NA	NA	R
Zinc	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**17**	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	**2.3 F**	**8.53 F**	**22.9**	< 20 U	< 20 U	**7.2 F**	**8.7 F**	< 20 UM	**25.6 B**	**44**	**2.7**	NA	**20.4**	**12**	**4.5 F**	NA	**3.9 F**	**7 F**

Appendix B-5
Groundwater Analytical Data, Landfill LF022
Former Plattsburgh Air Force Base, Plattsburgh, New York
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		Location	MW-22-004	MW-22-004	MW-22-004	MW-22-004	MW-22-004	MW-22-004	MW-22-004	MW-22-004	MW-22-004	MW-22-005	MW-22-005	MW-22-005	MW-22-005	MW-22-005	MW-22-005	MW-22-005	MW-22-005	MW-22-005
		Sample Date	6/22/2005	6/21/2006	7/19/2007	6/19/2009	6/15/2010	6/15/2010	6/20/2012	6/26/2014	8/3/2018	1/11/1989	3/22/2001	6/20/2001	9/18/2001	12/11/2001	3/15/2002	6/13/2002	9/17/2002	12/10/2002
		Sample Type	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**																		
Aluminum	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 25	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	**110 F**	**272 J**	**91.8 F**	< 200 U	**389 J**	**156 J**	**173**	**1080**	**91**	NA	**8580**	NA	NA	NA	NA	**1755**	**6791**	< 200 UM
Antimony	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 43	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	**2.9 F**	**7.18 F**	**7.21 F**	**1.9 M**	**1 M**	**0.91 M**	**1.76 B**	**0.755 F**	< 1.0	NA	< 4.1 U	NA	NA	NA	NA	**4.5 F**	**3.6 F**	**14.1 F**
Arsenic	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	ug/L	< 30 U	< 30 U	< 30 U	< 5 U	< 1 UM	< 1 UM	< 1 U	< 1 U	< 1.0	NA	< 4.4 U	NA	NA	NA	NA	< 30 U	< 30 U	< 30 U
Barium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	**7**	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	ug/L	**19 F**	**15.4 F**	**9.27 F**	**11**	**13.2**	**9.04 F**	**16.9**	**19.3**	**4.1**	NA	**59.7**	NA	NA	NA	NA	**20.2**	**63 J**	**7 F**
Beryllium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.1	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	< 4 U	< 4 U	< 4 U	< 1 U	< 2 UM	< 2 UM	< 2 U	< 2 U	< 0.30	NA	< 0.1 U	NA	NA	NA	NA	< 5 U	**0.61 F**	< 4 U
Boron	T	ug/L	**11 F**	**9.6 F**	**13 F**	**13 M**	**73.4 F**	< 100 U	< 100 U	< 100 U	NA	NA	< 32.4 U	NA	NA	NA	NA	< 110 U	< 110 U	**33.4 F**
Cadmium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4.3	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	ug/L	< 5 U	< 5 U	< 5 U	< 1 U	< 0.6 U	< 0.6 U	< 0.6 U	< 0.6 U	**0.39**	NA	< 0.4 U	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	< 5 U
Calcium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	**47700**	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	**85000**	**69200**	**43100**	**45000**	**38200 M**	**46400 M**	**52800 M**	**52100 M**	**5600**	NA	**56500**	**59200**	**65530 M**	**61150 MJ**	**44404 M**	**46611 M**	**56434 M**	**49189 M**
Chromium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	ug/L	**2.5 F**	**3.97 F**	**4.89 F**	**0.54 J**	**3.02**	**3.09**	**3.81**	**3.15 J**	**2.0**	NA	**10.1**	NA	NA	NA	NA	**3.5 F**	**10.3**	**1.6 F**
Chromium VI	T	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.01 UJ	NA	NA	NA	NA	R	NA	R
Cobalt	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	**11**	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	**0.57**	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 3.1	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	< 10 U	< 10 U	< 10 U	**0.66 J**	< 2 U	< 2 U	**2.92 B**	**2.58**	< 1.8	NA	**9.7 B**	NA	NA	NA	NA	< 10 U	< 10 U	< 10 U
Iron	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	**15**	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	**120 F**	**361 J**	**128 J**	**71**	**281 J**	**174 J**	**417 M**	**1610**	**140**	NA	**13900**	**12200**	**12557**	**14414 M**	**333**	**2261 M**	**10201**	**96.3 JF**
Lead	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.91	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	ug/L	**1.2 F**	**0.93 F**	< 25 U	< 2 U	< 1 U	< 1 U	**0.625 F**	**1.28**	**0.20**	NA	**4 B**	**4.8 F**	**3.8 F**	**4.9 F**	< 25 U	< 25 U	**2.6 F**	< 25 U
Magnesium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	**19100**	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	**21000**	**22500**	**14400**	**15000**	**10600 J**	**13500 J**	**16300**	**14300**	**15000**	NA	**25000**	**22900**	**26529**	**23536 M**	**16981**	**17971**	**23738**	**18270 M**
Manganese	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	**8.9**	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	**4.9 M**	**8.86 F**	**4.45 F**	**2.6**	**5.96 F**	< 10 U	**7.41 F**	**29.1**	**3.2**	NA	**203**	**185 J**	**220**	**242**	**8.5**	**35.8**	**249**	**1.2 JF**
Mercury	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.2	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	**0.023 F**	< 1 U	< 1 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 UM	< 0.2 U	< 0.080	NA	< 0.1 U	NA	NA	NA	NA	< 1 U	NA	< 1 U
Nickel	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 24	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	**2.4 F**	**1.43 F**	**2.14 F**	**1.6 F**	**2.35 F**	**2.23 F**	**6.27**	**3.18 F**	**0.48**	NA	**5.4 B**	NA	NA	NA	NA	< 10 U	< 10 U	< 20 U
Potassium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	**13200**	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	**3000**	**3070**	**4480**	**1900**	**1390**	**1600**	**2480**	**2350**	**50000**	NA	**3270 J**	**3260 J**	**3219 J**	**4298**	**1093 J**	**1500 J**	**2621 J**	**594 F**
Selenium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	**10**	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	< 30 U	< 30 U	< 30 U	**0.43 F**	**0.697 M**	**0.514 M**	**1.37**	**0.512 F**	< 2.0	NA	< 9.9 U	NA	NA	NA	NA	< 30 U	< 30 U	< 30 U
Silver	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4.3	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	< 10 U	< 10 U	< 10 U	< 1 U	< 1 UM	< 1 UM	< 1 U	< 1 U	< 0.10	NA	< 0.9 U	NA	NA	NA	NA	**2.5 F**	< 10 U	< 10 U
Sodium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	**33800**	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	**150000**	**165000**	**148000**	**140000**	**112000 J**	**148000 J**	**151000**	**137000**	**150000**	NA	**42400**	**45200 M**	**54411 M**	**61052 M**	**64994**	**61607 M**	**51153**	**54514 J**
Thallium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	< 80 U	< 80 U	< 80 U	< 1 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.20	NA	< 4.3 U	NA	NA	NA	NA	< 80 U	< 80 U	**4.3 F**
Vanadium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	**11**	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	**18**	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	**12 F**	**15.1 F**	< 20 U	**3.2 F**	< 20 UM	< 20 UM	**32.4 B**	**11.7 F**	**3.7**	NA	**31.4**	NA	NA	NA	NA	**8.5 F**	**23.2**	**6.4 F**

Appendix B-5
Groundwater Analytical Data, Landfill LF022
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		Location	MW-22-005	MW-22-005	MW-22-005	MW-22-005	MW-22-005	MW-22-005	MW-22-005	MW-22-005	MW-22-005	MW-22-005	MW-22-005	MW-22-005	MW-22-005	MW-22-005	MW-22-006	MW-22-006	MW-22-006	MW-22-006
		Sample Date	6/18/2003	12/17/2003	7/1/2004	12/14/2004	3/22/2005	3/22/2005	6/21/2005	6/20/2006	7/19/2007	6/23/2009	6/16/2010	6/20/2012	6/24/2014	8/3/2018	1/11/1989	10/8/1993	11/18/1993	3/22/2001
		Sample Type	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**																		
Aluminum	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 25	NA	NA	NA
Aluminum	T	ug/L	NA	**15970 M**	NA	NA	**10170**	**12330**	**7000**	**3110 J**	**5440**	**7400**	**14200 J**	**6010**	**14300**	**1300**	NA	NA	NA	**155**
Antimony	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 43	NA	NA	NA
Antimony	T	ug/L	NA	< 50 U	NA	NA	< 50000 U	< 50000 U	< 50 U	< 50 U	< 50 U	< 2 U	**4.34 M**	**0.55 F**	**0.565 F**	< 1.0	NA	NA	NA	< 4.1 U
Arsenic	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.6	< 1 U	< 1 U	NA
Arsenic	T	ug/L	NA	**24.8 F**	NA	NA	< 30000 U	**5 F**	**3.1 F**	**1.92 F**	< 30 U	**2 F**	**76.9 M**	**2.61**	**3.3**	**0.49**	NA	**1**	< 1 U	< 4.4 U
Barium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**1.1**	< 19 U	< 17 U	NA
Barium	T	ug/L	NA	**112 J**	NA	NA	**76.3**	**88.7**	**54**	**30.9 F**	**43.8 F**	**60**	**102**	**53**	**94.2**	**33**	NA	< 19 U	< 17 U	**5.4 B**
Beryllium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.1	NA	NA	NA
Beryllium	T	ug/L	NA	**0.8 F**	NA	NA	**0.4 F**	**0.49 F**	**0.29 F**	< 4 U	< 4 U	**0.49 F**	**0.902 M**	< 2 U	**0.94 F**	< 0.30	NA	NA	NA	< 1 U
Boron	T	ug/L	NA	< 110 U	NA	NA	**8 F**	**8 F**	**12 F**	**7.37 F**	**10.6 F**	**10 M**	**126**	< 100 U	< 100 U	NA	NA	NA	NA	< 32.4 U
Cadmium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4.3	< 2.7 U	< 2.3 U	NA
Cadmium	T	ug/L	< 5 U	< 5 U	< 5 U	**0.23 F**	< 5000 U	< 5000 U	< 5 U	< 5 U	< 5 U	**1.4**	< 0.6 U	< 0.6 U	< 0.6 U	< 1.0	NA	< 2.7 U	< 2.3 U	< 0.4 U
Calcium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**50200**	NA	NA	NA
Calcium	T	ug/L	**48559 M**	**65782 M**	**71376 M**	**71921 M**	**59750 M**	**64190 M**	**58000**	**71700**	**74100**	**61000**	**64500 M**	**58700 M**	**83100 M**	**68000**	NA	NA	NA	**51400**
Chromium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5	< 5.3 U	< 4.4 U	NA
Chromium	T	ug/L	NA	**20.5**	NA	NA	**16**	**19**	**11**	**6.28 F**	**10.7**	**9.3 J**	**18.5**	**8.39**	**14.2 J**	**2.5**	NA	< 5.3 U	< 4.4 U	**1.3 B**
Chromium VI	T	mg/L	NA	< 0.01 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.01 UJ
Cobalt	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**13**	NA	NA	NA
Cobalt	T	ug/L	NA	NA	NA	NA	**3 F**	**3**	NA	NA	NA	NA	NA	NA	NA	**0.78**	NA	NA	NA	NA
Copper	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 3.1	NA	NA	NA
Copper	T	ug/L	NA	**16**	NA	NA	**9 F**	**11**	**6.5 F**	**3.56 F**	**4.72 F**	**11 J**	**17.9**	**7.79**	**12.9**	**1.3**	NA	NA	NA	**10 B**
Iron	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**24**	NA	NA	NA
Iron	T	ug/L	**3273 J**	**26157 J**	**20420 J**	**18878 J**	**16133 J**	**19988 J**	**9600**	**4280 J**	**7650 J**	**13000**	**21800 J**	**8210 M**	**21800**	**1800**	NA	NA	NA	**344**
Lead	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.91	< 1 U	< 1 U	NA
Lead	T	ug/L	**3.1 F**	**12.4 F**	**9.7 F**	**3.4 F**	**6.6 J**	**8.3 J**	**4.1 F**	**2.52 F**	< 25 U	**5.2**	**11.9**	**5**	**9.23**	**0.75**	NA	< 1 U	< 1 U	< 2.1 U
Magnesium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**19300**	NA	NA	NA
Magnesium	T	ug/L	**18312**	**29144 J**	**30429 M**	**29619**	**25470**	**27990**	**23000**	**26500**	**27600**	**27000**	**25900 J**	**19800**	**31300**	**23000**	NA	NA	NA	**19600**
Manganese	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**229**	NA	NA	NA
Manganese	T	ug/L	**64.9**	**464 J**	**436 J**	**343 J**	**237 J**	**293 J**	**130 M**	**70**	**100**	**220**	**317**	**422**	**360**	**34**	NA	NA	NA	**25.3**
Mercury	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.2	< 0.2	< 0.2 U	NA
Mercury	T	ug/L	NA	< 1 U	NA	NA	< 1000 U	< 1000 U	**0.015 F**	< 1 U	< 1 U	< 0.2 U	< 0.2 U	< 0.2 UM	< 0.2 U	< 0.080	NA	< 0.2	< 0.2 U	< 0.1 U
Nickel	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 24	NA	NA	NA
Nickel	T	ug/L	NA	**8.7 F**	NA	NA	**9 J**	**12 J**	**6.8 F**	**3.23 F**	**5.63 F**	**9.5**	**16.9**	**10.5**	**12.3**	**1.1**	NA	NA	NA	< 2.7 U
Potassium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**16200**	NA	NA	NA
Potassium	T	ug/L	**1218**	**5235 J**	**3952 J**	**4546 J**	**4020**	**4640**	**3000**	**1950**	**2740**	**3000**	**4550**	**2500**	**5140**	**1600**	NA	NA	NA	**1200 J**
Selenium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**10**	< 1	< 1	NA
Selenium	T	ug/L	NA	**29.3 F**	NA	NA	< 30000 U	< 30000 U	< 30 U	< 30 U	< 30 U	< 5 U	**0.532 M**	**1.34**	**0.63 F**	< 2.0	NA	< 1 U	< 1	< 9.9 U
Silver	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4.3	< 2.5 U	< 4.5 U	NA
Silver	T	ug/L	NA	< 10 U	NA	NA	< 10000 U	< 10000 U	**1 F**	< 10 U	< 10 U	< 1 U	< 1 UM	< 1 U	< 1 U	< 0.10	NA	< 2.5 U	< 4.5 U	< 0.9 U
Sodium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**26700**	NA	NA	NA
Sodium	T	ug/L	**66530**	**74898 M**	**84388 M**	**81351 J**	**95680 M**	**95730 M**	**52000**	**76800**	**63700**	**99000**	**55700 J**	**95200**	**45800**	**110000**	NA	NA	NA	**57300**
Thallium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2	NA	NA	NA
Thallium	T	ug/L	NA	< 80 U	NA	NA	< 80000 U	< 80000 U	< 80 U	< 80 U	< 80 U	**0.1 F**	**0.162 F**	**0.13 F**	**0.198 F**	< 0.20	NA	NA	NA	< 4.3 U
Vanadium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**11**	NA	NA	NA
Vanadium	T	ug/L	NA	NA	NA	NA	**21 J**	**27 J**	NA	NA	NA	NA	NA	NA	NA	**2.1**	NA	NA	NA	NA
Zinc	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**14**	NA	NA	NA
Zinc	T	ug/L	NA	**50.7 J**	NA	NA	**30**	**36**	**32**	**11.2 F**	**16.2 F**	**25**	**42 M**	**23.3 B**	**67**	**4.9**	NA	NA	NA	**12.8**

Appendix B-5
Groundwater Analytical Data, Landfill LF022
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		Location	MW-22-006	MW-22-006	MW-22-006	MW-22-006	MW-22-006	MW-22-006	MW-22-006	MW-22-006	MW-22-006	MW-22-006	MW-22-006	MW-22-006	MW-22-007	MW-22-007	MW-22-007	MW-22-007	MW-22-007	MW-22-007
		Sample Date	6/13/2002	12/10/2002	12/17/2003	3/22/2005	6/21/2005	6/20/2006	7/19/2007	6/23/2009	6/16/2010	6/20/2012	6/24/2014	8/3/2018	1/12/1989	3/20/2001	6/19/2001	9/20/2001	12/11/2001	3/14/2002
		Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**																		
Aluminum	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 25	NA	NA	NA	NA	NA
Aluminum	T	ug/L	**39.5 F**	**3076 M**	**2354 M**	**90 F**	**150 F**	**1700 J**	**241**	**31 F**	**539 J**	**956**	**134**	**87**	NA	< 8.5 U	NA	NA	NA	NA
Antimony	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 43	NA	NA	NA	NA	NA
Antimony	T	ug/L	**6.1 F**	**18.5 F**	< 50 U	< 50000 U	< 50 U	< 50 U	**2.33 F**	< 2 U	< 1 UM	< 1 U	< 1 U	< 1.0	NA	< 4.1 U	NA	NA	NA	NA
Arsenic	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.6	NA	NA	NA	NA	NA
Arsenic	T	ug/L	< 30 U	< 30 U	**11.5 F**	< 30000 U	< 30 U	< 30 U	< 30 U	< 5 U	< 1 UM	< 1 U	< 1 U	< 1.0	NA	< 4.4 U	NA	NA	NA	NA
Barium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**28**	NA	NA	NA	NA	NA
Barium	T	ug/L	**6.49**	**30.7 F**	**20.7 J**	**3.39 F**	**5 F**	**19 F**	**6.9 F**	**6.3**	**12.3**	**11.8**	**5.37 F**	**5.2**	NA	**31.6**	NA	NA	NA	NA
Beryllium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.1	NA	NA	NA	NA	NA
Beryllium	T	ug/L	< 5 U	**0.31 F**	< 4 U	< 4000 U	< 4 U	< 4 U	< 4 U	< 1 U	< 2 UM	< 2 U	< 2 U	< 0.30	NA	**0.15 B**	NA	NA	NA	NA
Boron	T	ug/L	< 110 U	**18.6 F**	< 110 U	**3 F**	**5.9 F**	**5.08 F**	**4.68 F**	**7.1 M**	**86.4 F**	< 100 U	< 100 U	NA	NA	**36.2 B**	NA	NA	NA	NA
Cadmium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4.3	NA	NA	NA	NA	NA
Cadmium	T	ug/L	< 7 U	**0.52 F**	< 5 U	< 5000 U	< 5 U	< 5 U	< 5 U	**0.29 F**	**0.312 F**	**3.4**	< 0.6 U	< 1.0	NA	< 0.4 U	< 7 U	< 7 U	< 7 U	< 7 U
Calcium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**103000**	NA	NA	NA	NA	NA
Calcium	T	ug/L	**40370 M**	**49250 M**	**40546 M**	**42670 M**	**43000**	**62700**	**50500**	**46000**	**39800 M**	**55800 M**	**56400 M**	**50000**	NA	**83400**	**72000**	**83471 M**	**139381 MJ**	**98473 M**
Chromium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5	NA	NA	NA	NA	NA
Chromium	T	ug/L	< 10 U	**5 F**	**3.7 F**	**2 F**	**3 F**	**4.94 F**	**3.67 F**	**0.65 J**	**2.61**	**2.46**	**3.13 J**	**0.76**	NA	**1.2 B**	NA	NA	NA	NA
Chromium VI	T	mg/L	R	R	< 0.01 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.01 U	NA	NA	NA	NA
Cobalt	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2.5	NA	NA	NA	NA	NA
Cobalt	T	ug/L	NA	NA	NA	< 60000 U	NA	NA	NA	NA	NA	NA	NA	**0.082**	NA	NA	NA	NA	NA	NA
Copper	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 3.1	NA	NA	NA	NA	NA
Copper	T	ug/L	< 10 U	**3.7 F**	< 10 U	< 10000 U	**1.7 F**	**2.26 F**	< 10 U	**1.2 J**	**1.97 F**	**1.91 F**	**1.32 F**	**0.68**	NA	< 3 U	NA	NA	NA	NA
Iron	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**3350**	NA	NA	NA	NA	NA
Iron	T	ug/L	**87.3 MF**	**4075 J**	**2936 J**	**121 J**	**190 F**	**2100 J**	**419 J**	**100**	**556 J**	**1220 M**	**251**	**250**	NA	**2160**	**1300**	**3060**	**1503 M**	**1839**
Lead	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.91	NA	NA	NA	NA	NA
Lead	T	ug/L	< 25 U	**4.2 F**	< 25 U	**1.1 J**	< 25 U	**1.05 F**	< 25 U	**0.46 F**	< 1 U	**0.621 F**	< 1 U	< 0.70	NA	< 2.1 U	< 25 U	< 25 U	< 25 U	< 25 U
Magnesium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**20200**	NA	NA	NA	NA	NA
Magnesium	T	ug/L	**14812**	**19209 M**	**15582 J**	**16100**	**17000**	**23500**	**19100**	**18000**	**13900 J**	**19200**	**19000**	**17000**	NA	**18000**	**14600**	**20763**	**28325 M**	**26538**
Manganese	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**797**	NA	NA	NA	NA	NA
Manganese	T	ug/L	**14**	**119 J**	**75.8 J**	**6 J**	**34 M**	**64.8**	**16.9**	**12**	**19.1**	**41.8**	**12.1**	**15**	NA	**249**	**175 J**	**205**	**239**	**339**
Mercury	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.2	NA	NA	NA	NA	NA
Mercury	T	ug/L	< 1 U	NA	< 1 U	< 1000 U	**0.016 F**	< 1 U	< 1 U	< 0.2 U	< 0.2 U	< 0.2 UM	< 0.2 U	< 0.080	NA	< 0.1 U	NA	NA	NA	NA
Nickel	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 24	NA	NA	NA	NA	NA
Nickel	T	ug/L	< 10 U	< 20 U	< 20 U	R	< 20 U	< 20 U	**2.41 F**	**1.7 F**	< 4 U	**5.2**	**2.21 F**	< 1.0	NA	< 2.7 U	NA	NA	NA	NA
Potassium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2360	NA	NA	NA	NA	NA
Potassium	T	ug/L	**947 J**	**1785**	**1530 J**	**780 F**	**860 F**	**1720**	**1100**	**940**	**975 F**	**1250**	**1270**	**1000**	NA	**3000 J**	**2310 J**	**3013 J**	**6537**	**2894 J**
Selenium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**10**	NA	NA	NA	NA	NA
Selenium	T	ug/L	< 30 U	< 30 U	**28.3 F**	< 30000 U	< 30 U	< 30 U	< 30 U	< 5 U	< 1 UM	**0.829 F**	< 1 U	< 2.0	NA	< 9.9 U	NA	NA	NA	NA
Silver	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4.3	NA	NA	NA	NA	NA
Silver	T	ug/L	**2.8 F**	< 10 U	< 10 U	**1 F**	< 10 U	< 10 U	< 10 U	< 1 U	< 1 UM	< 1 U	< 1 U	< 0.10	NA	< 0.9 U	NA	NA	NA	NA
Sodium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**21300**	NA	NA	NA	NA	NA
Sodium	T	ug/L	**55823 M**	**49487 J**	**45162 M**	**48890 M**	**60000**	**72100**	**76000**	**70000**	**49300 J**	**69100**	**75000**	**54000**	NA	**107000**	**96100 M**	**84337 M**	**20443 M**	**61612**
Thallium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2	NA	NA	NA	NA	NA
Thallium	T	ug/L	< 80 U	< 80 U	< 80 U	< 80000 U	< 80 U	< 80 U	< 80 U	< 1 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.20	NA	< 4.3 U	NA	NA	NA	NA
Vanadium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2.3	NA	NA	NA	NA	NA
Vanadium	T	ug/L	NA	NA	NA	**2 J**	NA	NA	NA	NA	NA	NA	NA	**0.54**	NA	NA	NA	NA	NA	NA
Zinc	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 6.6	NA	NA	NA	NA	NA
Zinc	T	ug/L	**6.7 F**	**10.9 F**	**8.1 J**	< 20000 U	**4.4 F**	**10.9 F**	< 20 U	**3.5 F**	**5.32 M**	**12.3 F**	< 20 U	**2.4**	NA	**3.3 B**	NA	NA	NA	NA

Appendix B-5
Groundwater Analytical Data, Landfill LF022
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-22-007	MW-22-007	MW-22-007	MW-22-007	MW-22-007	MW-22-007	MW-22-007	MW-22-007	MW-22-007	MW-22-007	MW-22-007	MW-22-007	MW-22-007	MW-22-007	MW-22-007	MW-22-007	MW-22-007	MW-22-007
		Sample Date	6/11/2002	9/16/2002	12/11/2002	6/17/2003	6/17/2003	12/11/2003	6/21/2004	6/21/2004	12/14/2004	12/14/2004	3/21/2005	6/20/2005	6/20/2005	6/19/2006	6/19/2006	7/18/2007	7/18/2007	6/18/2009
		Sample Type	N	N	N	N	FD	N	N	FD	N	FD	N	N	FD	N	FD	N	FD	N
Chemical	**Fraction**	**Unit**																		
Aluminum	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	**22.8 F**	**49.7 F**	< 200 UM	NA	NA	< 200 U	NA	NA	NA	NA	**240**	**34 F**	**110 F**	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U
Antimony	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	**7.8 F**	**3.9 F**	< 50 U	NA	NA	< 50 U	NA	NA	NA	NA	< 50000 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 2 U
Arsenic	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	ug/L	**5.7 F**	< 30 U	< 30 U	NA	NA	< 30 U	NA	NA	NA	NA	< 30000 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	**0.86 F**
Barium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	ug/L	**37.1 J**	**50.8 J**	**34.3 F**	NA	NA	**36 F**	NA	NA	NA	NA	**43.3 F**	**36 F**	**38 F**	**55**	**53.8**	**49.3 F**	**51.6**	**34**
Beryllium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	< 5 U	< 5 U	< 4 U	NA	NA	**0.2 F**	NA	NA	NA	NA	< 4000 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 1 U
Boron	T	ug/L	**41.4 F**	**21.4 F**	**45.1 F**	NA	NA	**19.3 F**	NA	NA	NA	NA	**30 F**	**24 F**	**40 F**	**39.2 F**	**33 F**	**71.1**	**58.8**	**89 M**
Cadmium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	ug/L	< 7 U	< 7 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5000 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 1 U
Calcium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	**78225 M**	**119980 M**	**97721 M**	**89644 M**	**85857 M**	**115664 M**	**177401 M**	**131919 M**	**160987 M**	**126980 M**	**116100 M**	**93000**	**98000**	**154000**	**147000**	**155000**	**158000**	**120000**
Chromium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	ug/L	< 10 U	**1.8 F**	**0.5 F**	NA	NA	< 10 U	NA	NA	NA	NA	**2 F**	**1.7 F**	**1.8 F**	**2.48 F**	**3.31 F**	**4.41 F**	**4.25 F**	**0.47 F**
Chromium VI	T	mg/L	< 0.01 U	NA	R	NA	NA	**R**	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA
Cobalt	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 60000 U	NA	NA	NA	NA	NA	NA	NA
Copper	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	< 10 U	< 10 U	< 10 U	NA	NA	< 10 U	NA	NA	NA	NA	**2 F**	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	**0.94 F**
Iron	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	**3118 M**	**906**	**3012 J**	**2294 J**	**1860 J**	**2626**	**832 J**	**1762 J**	**2280 J**	**3251 J**	**2080 J**	**1100**	**1000**	**534 J**	**340 J**	**641 J**	**447 J**	**450 J**
Lead	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	ug/L	< 25 U	< 25 U	**3.3 F**	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25000 U	**0.94 F**	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 2 U
Magnesium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	**20607**	**24558**	**29596 M**	**26584**	**25413**	**35704**	**36809 M**	**33467 M**	**34653**	**33688**	**32810**	**27000**	**28000**	**42200**	**41400**	**43600**	**46500**	**27000**
Manganese	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	**403**	**3199**	**394 J**	**313**	**303**	**515 J**	**76.1 J**	**176 J**	**987 J**	**568 J**	**391 J**	**200 M**	**200 M**	**229 J**	**166 J**	**358**	**349**	**100 J**
Mercury	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	< 1 U	NA	< 1 U	NA	NA	< 1 U	NA	NA	NA	NA	< 1000 U	**0.019 F**	**0.021 F**	< 1 U	< 1 U	< 1 U	< 1 U	< 0.2 U
Nickel	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	< 10 U	< 10 U	< 20 U	NA	NA	< 20 U	NA	NA	NA	NA	< 20000 U	< 20 U	< 20 U	< 20 U	< 20 U	**1.91 F**	**1.61 F**	**0.76 F**
Potassium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	**2245 J**	**1580 J**	**2224**	**1537**	**1385**	**1749**	**4034 J**	**2565 J**	**3534 J**	**2296 J**	**1970**	**1700**	**1800**	**2160**	**2020**	**2720**	**2540**	**3900**
Selenium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	< 30 U	< 30 U	< 30 U	NA	NA	< 30 U	NA	NA	NA	NA	< 30000 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	**0.56 F**
Silver	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	< 10 U	< 10 U	< 10 U	NA	NA	< 10 U	NA	NA	NA	NA	< 10000 U	**1 F**	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 1 U
Sodium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	**77185 M**	**11182**	**59510 J**	**54991**	**60319**	**55280 M**	**41024 M**	**71887 M**	**49512 J**	**86211 J**	**102300 M**	**140000**	**140000**	**141000**	**147000**	**82100**	**99600**	**11000**
Thallium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	**6.4 F**	**24.3 F**	< 80 U	NA	NA	< 80 U	NA	NA	NA	NA	< 80000 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 1 U
Vanadium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10000 U	NA	NA	NA	NA	NA	NA	NA
Zinc	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	**4.2 F**	**4.9 F**	**1.9 F**	NA	NA	< 20 U	NA	NA	NA	NA	< 20000 U	**2.7 F**	**2.9 F**	**8.18 F**	**18.6 F**	< 20 U	< 20 U	**8.7 F**

Appendix B-5
Groundwater Analytical Data, Landfill LF022
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-22-007	MW-22-007	MW-22-007	MW-22-007	MW-22-007	MW-22-008	MW-22-008	MW-22-008	MW-22-008	MW-22-008	MW-22-008	MW-22-008	MW-22-008	MW-22-008	MW-22-008	MW-22-008	MW-22-008	MW-22-008
		Sample Date	6/18/2009	6/15/2010	6/19/2012	6/25/2014	8/2/2018	1/12/1989	1/12/1989	3/20/2001	6/11/2002	12/11/2002	12/11/2003	3/21/2005	6/20/2005	6/19/2006	7/18/2007	6/18/2009	6/15/2010	6/19/2012
		Sample Type	FD	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**																		
Aluminum	D	ug/L	NA	NA	NA	NA	NA	< 25	**32**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	< 200 U	**56.7 J**	**114**	**87.8 F**	< 70	NA	NA	**944**	**426 J**	**1038 M**	**1725 M**	**660**	**810**	**2330**	**594**	**1500**	**2160 J**	**2890**
Antimony	D	ug/L	NA	NA	NA	NA	NA	< 43	< 43	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	< 2 U	**0.514 M**	< 1 U	**0.774 F**	< 1.0	NA	NA	< 4.1 U	**7.5 F**	**12.7 F**	**10.6 F**	**3 F**	**2.4 F**	**10.1 F**	**4.63 F**	**1.4 M**	**7.5 M**	**0.549 F**
Arsenic	D	ug/L	NA	NA	NA	NA	NA	**1.7**	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	ug/L	**0.52 F**	**1.02 M**	**1.15**	**4.22**	**0.73**	NA	NA	< 4.4 U	< 30 U	< 30 U	< 30 U	**4 F**	**2.5 F**	< 30 U	< 30 U	**2.4 F**	**82.2 M**	**2.19**
Barium	D	ug/L	NA	NA	NA	NA	NA	**11**	**13**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	ug/L	**36**	**23.8**	**37**	**37.8**	**24**	NA	NA	**15.1 B**	**24 J**	**20 F**	**25.6 F**	**12.2 F**	**16 F**	**32.1 F**	**12.7 F**	**22**	**30.2**	**27.5**
Beryllium	D	ug/L	NA	NA	NA	NA	NA	< 1.1	< 1.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	< 1 U	< 2 UM	< 2 U	< 2 U	**0.20**	NA	NA	**0.16 B**	< 5 U	< 4 U	**0.36 F**	< 4000 U	< 4 U	< 4 U	< 4 U	< 1 U	< 2 UM	< 2 U
Boron	T	ug/L	**81 M**	< 100 U	**61.4 F**	**60.6 F**	NA	NA	NA	< 32.4 U	< 110 U	**12.5 F**	< 110 U	**8 F**	**9.1 F**	**6.29 F**	**8.76 F**	**9.4 M**	**89.2 F**	< 100 U
Cadmium	D	ug/L	NA	NA	NA	NA	NA	< 4.3	< 4.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	ug/L	< 1 U	< 0.6 U	< 0.6 U	< 0.6 U	< 1.0	NA	NA	< 0.4 U	< 7 U	< 5 U	**0.98 F**	< 5000 U	< 5 U	< 5 U	< 5 U	**0.3 F**	**0.591 F**	< 0.6 U
Calcium	D	ug/L	NA	NA	NA	NA	NA	**21300**	**21400**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	**120000**	**92300 M**	**116000 M**	**92000 M**	**73000**	NA	NA	**31700**	**28043 M**	**36545 M**	**32194 M**	**29110 M**	**34000**	**41200**	**30600**	**26000**	**30700 M**	**41500 M**
Chromium	D	ug/L	NA	NA	NA	NA	NA	< 5	< 5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	ug/L	< 2 U	**1.4 F**	**2.36**	**1.06 J**	**1.3**	NA	NA	**2 B**	< 10 U	**1.9 F**	**3.3 F**	**2 F**	**1.4 F**	**3.78 F**	**6.96 F**	**1.8 F**	**4.94**	**3**
Chromium VI	T	mg/L	NA	NA	NA	NA	NA	NA	NA	< 0.01 U	< 0.01 U	**R**	R	**0.009 F**	NA	NA	NA	NA	NA	NA
Cobalt	D	ug/L	NA	NA	NA	NA	NA	< 2.5	< 2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	NA	NA	NA	NA	**0.12**	NA	NA	NA	NA	NA	NA	< 60000 U	NA	NA	NA	NA	NA	NA
Copper	D	ug/L	NA	NA	NA	NA	NA	< 3.1	**6.4**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	**0.65 F**	< 2 U	**1.64 F**	**1.8 F**	< 1.8	NA	NA	< 3 U	**9.3 F**	**1.1 F**	< 10 U	**3 F**	**1.8 F**	**3.42 F**	**2.07 F**	**3.4**	**4.46**	**3.81 B**
Iron	D	ug/L	NA	NA	NA	NA	NA	**147**	**177**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	**160 J**	**1010 J**	**2100 M**	**9040**	**920**	NA	NA	**1760**	**2328 M**	**2051 J**	**3596**	**1434 J**	**1700**	**3810 J**	**1450 J**	**2700 J**	**2960 J**	**4070 M**
Lead	D	ug/L	NA	NA	NA	NA	NA	< 0.91	< 0.91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	ug/L	< 2 U	< 1 U	< 1 U	< 1 U	< 0.70	NA	NA	< 2.1 U	< 25 U	**3.4 F**	< 25 U	< 25000 U	**1.1 F**	**1.76 F**	< 25 U	**1.3 F**	**4.16**	**1.64**
Magnesium	D	ug/L	NA	NA	NA	NA	NA	**5950**	**6080**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	**28000**	**21500 J**	**27700**	**23500**	**17000**	NA	NA	**9480**	**7612**	**10326 M**	**10346**	**8430**	**8900**	**10600**	**8020**	**8900**	**8680 J**	**13000**
Manganese	D	ug/L	NA	NA	NA	NA	NA	**113**	**114**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	**54 J**	**220**	**145**	**799**	**100**	NA	NA	**213**	**313**	**254 J**	**336 J**	**209 J**	**240 M**	**317 J**	**211**	**260 J**	**232**	**318**
Mercury	D	ug/L	NA	NA	NA	NA	NA	< 0.2	< 0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	< 0.2 U	< 0.2 U	< 0.2 UM	< 0.2 U	< 0.080	NA	NA	< 0.1 U	< 1 U	< 1 U	< 1 U	< 1000 U	**0.017 F**	< 1 U	< 1 U	< 0.2 U	< 0.2 U	< 0.2 UM
Nickel	D	ug/L	NA	NA	NA	NA	NA	< 24	< 24	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	**0.77 F**	**3.83 F**	**10.1**	**3.67 F**	**0.31**	NA	NA	< 2.7 U	< 10 U	< 20 U	**3.4 F**	**3 F**	**1.8 F**	**5.16 F**	**5.84 F**	**3.4**	**4.54**	**5.73**
Potassium	D	ug/L	NA	NA	NA	NA	NA	< 2360	< 2360	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	**3800**	**1910**	**2000**	**1790**	**1500**	NA	NA	**2340 J**	**5528 J**	**2471**	**4046**	**4480**	**3100**	**2890**	**2670**	**2300**	**2200**	**2560**
Selenium	D	ug/L	NA	NA	NA	NA	NA	**10**	**10**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	**1.5 F**	< 1 UM	**1.75**	**0.644 F**	< 2.0	NA	NA	< 9.9 U	< 30 U	< 30 U	< 30 U	< 30000 U	< 30 U	< 30 U	< 30 U	< 5 U	**0.568 M**	**0.915 F**
Silver	D	ug/L	NA	NA	NA	NA	NA	< 4.3	< 4.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	< 1 U	< 1 UM	< 1 U	< 1 U	< 0.10	NA	NA	< 0.9 U	< 10 U	< 10 U	< 10 U	**2 F**	< 10 U	< 10 U	< 10 U	< 1 U	< 1 UM	< 1 U
Sodium	D	ug/L	NA	NA	NA	NA	NA	**1890**	**2210**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	**9400**	**38700 J**	**168000**	**92100**	**140000**	NA	NA	**6450**	**6298 M**	**7862 J**	**7629 M**	**6370 M**	**6000**	**8080**	**5680**	**6300**	**6890 J**	**12700**
Thallium	D	ug/L	NA	NA	NA	NA	NA	< 2	< 2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	< 1 U	< 0.2 U	< 0.2 U	< 0.2 U	**0.057**	NA	NA	< 4.3 U	< 80 U	< 80 U	< 80 U	< 80000 U	< 80 U	< 80 U	< 80 U	< 1 U	< 0.2 U	< 0.2 U
Vanadium	D	ug/L	NA	NA	NA	NA	NA	< 2.3	< 2.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	NA	NA	NA	NA	< 2.0	NA	NA	NA	NA	NA	NA	**3 F**	NA	NA	NA	NA	NA	NA
Zinc	D	ug/L	NA	NA	NA	NA	NA	**3**	**37**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	< 10 U	< 20 UM	< 20 U	**15.8 F**	**2.2**	NA	NA	**6.2 B**	**20.5**	**7.5 F**	**11.8 F**	**10 F**	**7.5 F**	**31**	**8.26 F**	**11**	**7.87 M**	**14.9 F**

Appendix B-5
Groundwater Analytical Data, Landfill LF022
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-22-008	MW-22-008	MW-22-009	MW-22-009	MW-22-009	MW-22-009	MW-22-009	MW-22-009	MW-22-009	MW-22-009	MW-22-009	MW-22-009	MW-22-009	MW-22-009	MW-22-009	MW-22-009	MW-22-009	MW-22-009
		Sample Date	6/25/2014	8/2/2018	1/12/1989	3/22/2001	6/13/2002	12/10/2002	12/17/2003	12/17/2003	3/22/2005	6/21/2005	6/21/2006	7/24/2007	6/22/2009	6/16/2010	6/20/2012	6/25/2014	8/3/2018	8/3/2018
		Sample Type	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	FD
Chemical	**Fraction**	**Unit**																		
Aluminum	D	ug/L	NA	NA	< 25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	**4030**	**1400**	NA	**4730**	**470**	**193 M**	**15378 M**	**7186 M**	**2080**	**930**	**362 J**	**1160**	**990**	**2770 J**	**413**	**432**	**300**	**830**
Antimony	D	ug/L	NA	NA	< 43	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	**5.12**	< 1.0	NA	< 4.1 U	**4.5 F**	**16.7 F**	< 50 U	< 50 U	< 50000 U	< 50 U	< 50 U	< 50 U	< 2 U	**3.16 M**	< 1 U	< 1 U	< 1.0	< 1.0
Arsenic	D	ug/L	NA	NA	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	ug/L	**2.26**	**2.6**	NA	< 4.4 U	< 30 U	< 30 U	**22.2 F**	**12.5 F**	< 30000 U	< 30 U	< 30 U	< 30 U	< 5 U	**61.4 M**	< 1 U	< 1 U	< 1.0	**0.66**
Barium	D	ug/L	NA	NA	**11**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	ug/L	**43.4**	**17**	NA	**40.8**	**12**	**11.8 F**	**119 J**	**61.4 J**	**21.6 F**	**14 F**	**9.29 F**	**15.4 F**	**17**	**34.6**	**10.2**	**12.3**	**17**	**34**
Beryllium	D	ug/L	NA	NA	< 1.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	< 2 U	< 0.30	NA	< 1 U	< 5 U	< 4 U	**0.72 F**	**0.29 F**	< 4000 U	< 4 U	< 4 U	< 4 U	< 1 U	< 2 UM	< 2 U	< 2 U	< 0.30	**0.095**
Boron	T	ug/L	< 100 U	NA	NA	< 32.4 U	< 110 U	**12 F**	< 110 U	< 110 U	**4 F**	**4.9 F**	**1.92 F**	**6.06 F**	**5.6 M**	**120**	< 100 U	< 100 U	NA	NA
Cadmium	D	ug/L	NA	NA	< 4.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	ug/L	**0.317 F**	< 1.0	NA	< 0.4 U	< 7 U	**3.22 F**	< 5 U	< 5 U	< 5000 U	< 5 U	< 5 U	< 5 U	**0.54 F**	< 0.6 U	< 0.6 U	**0.395 F**	**0.85**	**0.59**
Calcium	D	ug/L	NA	NA	**35200**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	**48700 M**	**35000**	NA	**61100**	**52816 M**	**52400 M**	**86563 M**	**61629 M**	**49750 M**	**50000**	**48700**	**50300**	**43000**	**47300 M**	**52100 M**	**51300 M**	**49000**	**50000**
Chromium	D	ug/L	NA	NA	< 5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	ug/L	**5.05 J**	**1.9**	NA	**4.9 B**	< 10 U	**1.9 F**	**18.3**	**8.5 F**	**5 F**	**3.2 F**	**1.91 F**	**4.17 F**	**0.9 J**	**4.48**	**1.09 F**	**1.48 J**	**1.1**	**2.0**
Chromium VI	T	mg/L	NA	NA	NA	< 0.01 UJ	R	R	R	R	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	D	ug/L	NA	NA	< 2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	NA	**0.76**	NA	NA	NA	NA	NA	NA	< 60000 U	NA	NA	NA	NA	NA	NA	NA	**0.35**	**1.2**
Copper	D	ug/L	NA	NA	**6.5**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	**5.82**	**1.8**	NA	**10.2 B**	< 10 U	**2.1 F**	**15.3**	**8 F**	**2 F**	< 10 U	**1.77 F**	< 10 U	**1.6 J**	**4.46**	**1.03 F**	**1.25 F**	**0.63**	**1.7**
Iron	D	ug/L	NA	NA	**65**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	**6290**	**3300**	NA	**6760**	**623 M**	**342 J**	**21976 J**	**9242 J**	**2692 J**	**1200**	**606 J**	**1400 J**	**1500**	**3140 J**	**601 M**	**779**	**470**	**1300**
Lead	D	ug/L	NA	NA	< 0.91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	ug/L	**2.68**	**0.94**	NA	< 2.1 U	< 25 U	**3.1 F**	**10 F**	< 25 U	**1.4 J**	< 250 U	< 25 U	< 25 U	**0.67 F**	**2.52**	< 1 U	< 1 U	**0.26**	**0.68**
Magnesium	D	ug/L	NA	NA	**10900**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	**15000**	**11000**	NA	**22400**	**18756**	**18286 M**	**33000 J**	**22668 J**	**17780**	**18000**	**16700**	**17400**	**16000**	**14800 J**	**16900**	**17300**	**17000**	**17000**
Manganese	D	ug/L	NA	NA	**174**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	**386**	**260**	NA	**290**	**102**	**60 J**	**745 J**	**319 J**	**164 J**	**350 M**	**220**	**161**	**300**	**184**	**147**	**204**	**850**	**3400**
Mercury	D	ug/L	NA	NA	< 0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	< 0.2 U	< 0.080	NA	< 0.1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1000 U	**0.02 F**	< 1 U	< 1 U	< 0.2 U	< 0.2 U	< 0.2 UM	< 0.2 U	< 0.080	< 0.080
Nickel	D	ug/L	NA	NA	< 24	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	**6.03**	**2.5**	NA	**2.8 B**	< 10 U	< 20 U	**8.8 F**	**2.7 F**	**3 J**	**1.4 F**	**1.18 F**	**1.55 F**	**1.7 F**	**3.93 F**	**4.6**	**2.4 F**	**0.71**	**2.1**
Potassium	D	ug/L	NA	NA	< 2360	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	**3290**	**3700**	NA	**2640 J**	**1109 J**	**842 F**	**5604 J**	**3291 J**	**1640**	**1300**	**1000**	**1410**	**1300**	**1900**	**1120**	**1160**	**1200**	**1400**
Selenium	D	ug/L	NA	NA	**21**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	**0.861 F**	< 2.0	NA	< 9.9 U	< 30 U	< 30 U	**48.9**	**21.7 F**	< 30000 U	< 30 U	< 30 U	< 30 U	< 5 U	< 1 UM	**0.79 F**	< 1 U	< 2.0	< 2.0
Silver	D	ug/L	NA	NA	< 4.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	< 1 U	< 0.10	NA	< 0.9 U	**3.6 F**	< 10 U	< 10 U	< 10 U	< 10000 U	< 10 U	< 10 U	< 10 U	< 1 U	< 1 UM	< 1 U	< 1 U	< 0.10	< 0.10
Sodium	D	ug/L	NA	NA	**3230**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	**16300**	**5600**	NA	**17700**	**28798 M**	**24586 J**	**25763 M**	**26969 M**	**38450 M**	**40000**	**32700**	**31100**	**34000**	**29700 J**	**44500**	**43900**	**59000**	**58000**
Thallium	D	ug/L	NA	NA	< 2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	**0.101 F**	< 0.20	NA	< 4.3 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80000 U	< 80 U	< 80 U	< 80 U	< 1 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.20	< 0.20
Vanadium	D	ug/L	NA	NA	< 2.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	NA	**2.1**	NA	NA	NA	NA	NA	NA	**4 J**	NA	NA	NA	NA	NA	NA	NA	< 2.0	**1.9**
Zinc	D	ug/L	NA	NA	< 2.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	**43.4**	**11**	NA	**20.6**	**11.3**	**5.9 F**	**45.5 J**	**30.6 J**	**11 F**	**5.7 F**	**10.8 F**	< 20 U	**4.7 F**	**9.62 M**	< 20 U	**8.2 F**	**3.6**	**5.3**

Appendix B-5
Groundwater Analytical Data, Landfill LF022
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-22-010	MW-22-010	MW-22-010	MW-22-010	MW-22-010	MW-22-010	MW-22-010	MW-22-010	MW-22-010	MW-22-010	MW-22-010	MW-22-010	MW-22-010	MW-22-010	MW-22-010	MW-22-010	MW-22-010
		Sample Date	1/12/1989	3/23/2001	3/23/2001	6/11/2002	6/11/2002	12/12/2002	12/12/2002	12/10/2003	3/21/2005	6/20/2005	6/19/2006	7/18/2007	6/17/2009	6/15/2010	6/19/2012	6/25/2014	8/2/2018
		Sample Type	N	N	FD	N	FD	N	FD	N	N	N	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**																	
Aluminum	D	ug/L	< 25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	NA	**4540**	**4630**	**676 J**	**1259 J**	**2393 M**	**4058 M**	**710 M**	**450**	**330**	**76 F**	**244**	**1500**	**3320 J**	**3660**	**2180**	**1100**
Antimony	D	ug/L	< 43	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	NA	< 4.1 U	< 4.1 U	**9.5 F**	**9.5 F**	**17.3 F**	**12 F**	< 50 U	**8 F**	**13 F**	**7.44 F**	**7.38 F**	**1.4 M**	**6.46 M**	**5.32 B**	**3.39**	**0.99**
Arsenic	D	ug/L	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	ug/L	NA	< 4.4 U	< 4.4 U	< 30 U	< 30 U	< 30 U	< 30 U	**13.9 F**	< 30000 U	< 30 U	< 30 U	< 30 U	**0.5 F**	**105 M**	**0.941 F**	< 1 U	< 1.0
Barium	D	ug/L	**14**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	ug/L	NA	**45.8**	**45.4**	**18 J**	**23.1 J**	**32 F**	**45.7 F**	**16.8 F**	**16.6 F**	**13 F**	**13.3 F**	**7.96 F**	**25**	**45.3**	**43.9**	**47.5**	**38**
Beryllium	D	ug/L	< 1.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	NA	< 0.1 U	< 0.1 U	< 5 U	< 5 U	**0.24 F**	**0.29 F**	< 4 U	< 4000 U	< 4 U	< 4 U	< 4 U	< 1 U	< 2 UM	< 2 U	< 2 U	< 0.30
Boron	T	ug/L	NA	< 32.4 U	< 32.4 U	< 110 U	< 110 U	**15.1 F**	**15.3 F**	< 110 U	< 50000 U	**5.1 F**	**4.23 F**	**5.29 F**	**6.3 M**	**158**	< 100 U	< 100 U	NA
Cadmium	D	ug/L	< 4.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	ug/L	NA	< 0.4 U	< 0.4 U	< 7 U	< 7 U	**0.31 F**	**0.26 F**	< 5 U	< 5000 U	**0.18 F**	< 5 U	< 5 U	**0.11 F**	< 0.6 U	**0.93**	< 0.6 U	**0.55**
Calcium	D	ug/L	**37400**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	NA	**72300**	**74200**	**47983 M**	**52648 M**	**67028 M**	**70621 M**	**57040 M**	**58270 M**	**53000**	**60800**	**47600**	**48000**	**53800 M**	**80500 M**	**106000 M**	**110000**
Chromium	D	ug/L	< 5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	ug/L	NA	**6.4 B**	**6.2 B**	< 10 U	**3.8 F**	**3.5 F**	**5.4 F**	**2.1 F**	**19**	**2.7 F**	**1.69 F**	**10.5**	**1.8 F**	**7.61**	**6.78**	**5.09 J**	**2.4**
Chromium VI	T	mg/L	NA	< 0.01 UJ	< 0.01 UJ	R	R	< 0.01 UM	**0.037 M**	< 0.01 U	**0.003 F**	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	D	ug/L	< 2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 60000 U	NA	NA	NA	NA	NA	NA	NA	**0.57**
Copper	D	ug/L	**9.7**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	NA	**5.6 B**	**4.8 B**	< 10 U	< 10 U	**3.9 F**	**4.1 F**	< 10 U	**3 F**	**3.9 F**	< 10 U	< 10 U	**2.1**	**5.08**	**6.92**	**4.87**	**2.0**
Iron	D	ug/L	**96**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	NA	**6730**	**6970**	**1031 M**	**1607 M**	**3515 J**	**5838 J**	**1143**	**1121 J**	**880**	**347 J**	**629 J**	**2400 J**	**3610 J**	**5140 M**	**3660**	**2400**
Lead	D	ug/L	< 0.91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	ug/L	NA	< 2.1 U	< 2.1 U	< 25 U	< 25 U	**3.6 F**	**4.2 F**	< 25 U	**1.7 F**	**1.7 F**	< 25 U	< 25 U	**0.99 F**	**4.27**	**3.69**	**1.88**	**0.83**
Magnesium	D	ug/L	**11800**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	NA	**27500**	**28000**	**15993**	**17811**	**23276 M**	**25348 M**	**18858**	**19290**	**17000**	**20600**	**15800**	**18000**	**16800 J**	**26800**	**38100**	**35000**
Manganese	D	ug/L	**156**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	NA	**276**	**273**	**195**	**191**	**223 J**	**287 J**	**462 J**	**617 J**	**590 M**	**217 J**	**223**	**200 J**	**191**	**377**	**268**	**530**
Mercury	D	ug/L	< 0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	NA	< 0.1 U	< 0.1 U	< 1 U	< 1 U	**0.03 F**	**0.04 F**	< 1 U	< 1000 U	**0.023 F**	< 1 U	< 1 U	< 0.2 U	< 0.2 U	< 0.2 UM	< 0.2 U	< 0.080
Nickel	D	ug/L	< 24	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	NA	< 2.7 U	< 2.7 U	< 10 U	< 10 U	< 20 U	< 20 U	< 20 U	**2 F**	**2 F**	< 20 U	**5.62 F**	**8.6**	**5.75**	**12.2**	**6.46**	**1.9**
Potassium	D	ug/L	< 2360	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	NA	**2840 J**	**2780 J**	**1727 J**	**1741 J**	**1794**	**2264**	**1260**	**2850**	**1500**	**1240**	**1190**	**1600**	**2260**	**2510**	**2830**	**2200**
Selenium	D	ug/L	**2.1**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	NA	< 9.9 U	< 9.9 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30000 U	< 30 U	< 30 U	< 30 U	**0.86 F**	< 1 UM	**1.16**	**1**	< 2.0
Silver	D	ug/L	< 4.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	NA	< 0.9 U	< 0.9 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10000 U	< 10 U	< 10 U	< 10 U	< 1 U	< 1 UM	< 1 U	< 1 U	< 0.10
Sodium	D	ug/L	**7110**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	NA	**41000**	**41100**	**15730 M**	**24180 M**	**27042 J**	**34779 J**	**21302 M**	**20440 M**	**14000**	**38700**	**12400**	**36000**	**35900 J**	**65000**	**115000**	**96000**
Thallium	D	ug/L	< 2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	NA	< 4.3 U	< 4.3 U	**4.6 F**	**4.3 F**	**4.4 F**	< 80 U	< 80 U	< 80000 U	< 80 U	< 80 U	< 80 U	< 1 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.20
Vanadium	D	ug/L	< 2.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 10000 U	NA	NA	NA	NA	NA	NA	NA	**1.4**
Zinc	D	ug/L	**3.2**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	NA	**21.2**	**19.6**	**9.3 F**	**9.2 F**	**11.5 F**	**18.2 F**	**6.8 F**	**15 F**	**15 F**	**31.7**	< 20 U	**6.6 F**	**7.64 M**	**27.3 B**	**38.2**	**7.4**

Notes:

Detections are **boldfaced**

µg/L: micrograms per liter
D: Dissolved
mg/L: miligrams per liter
N: normal (parent) sample
NA: not analyzed
T: Total

Data Qualifiers:
J: The compound was positively identified; however, the associated numerical value is an estimated concentration only.
M: The analyte in question was quantitated using peak heights rather than peak areas for both the analyte and its internal standard.
U: The compound was analyzed for but not detected. The associated value is the compound quantitation limit.
UJ: The compound was not detected above the reported sample quantitation limit. However, the reported limit is approximate and may or may not represent the actual limit of quantitation.

APPENDIX B-6

Landfill LF023

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001
		Sample Date	12/7/1987	12/7/1987	1/13/1989	9/18/1991	10/4/1995	4/26/2001	6/21/2001	10/1/2001	12/14/2001	3/18/2002	6/20/2002	9/24/2002	12/17/2002	3/19/2003	6/23/2003	9/24/2003	1/14/2004	3/24/2004	6/29/2004	9/23/2004
		Sample Type	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**																				
Metals																						
Aluminum	D	ug/L	**26**	NA	< 25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	NA	NA	NA	NA	NA	**15.8 B**	NA	NA	NA	NA	**29.6 F**	< 200 U	< 200 U	NA	NA	**38.4 M**	NA	NA	NA	NA
Antimony	D	ug/L	< 60	NA	< 43	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	NA	NA	NA	NA	NA	< 4.1 U	NA	NA	NA	NA	**10.4 F**	< 50 U	< 50 U	NA	NA	< 50 U	NA	NA	NA	NA
Arsenic	D	ug/L	**6.1**	NA	**7**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	ug/L	NA	NA	NA	NA	NA	**9.1 BJ**	NA	NA	NA	NA	**11.5 F**	**6 F**	< 30 U	NA	NA	**14.4 F**	NA	NA	NA	NA
Barium	D	ug/L	**6.1**	NA	**54**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	ug/L	NA	NA	NA	NA	NA	**57.5**	NA	NA	NA	NA	**30.2**	**30.4 J**	**36.4 F**	NA	NA	**37.6 F**	NA	NA	NA	NA
Beryllium	D	ug/L	< 5	NA	< 1.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	NA	NA	NA	NA	NA	< 0.1 U	NA	NA	NA	NA	< 5 U	< 5 U	< 4 U	NA	NA	< 4 U	NA	NA	NA	NA
Boron	T	ug/L	NA	NA	NA	NA	NA	< 32.4 U	NA	NA	NA	NA	**20.1 F**	**7.6 F**	**6.7 F**	NA	NA	**51 F**	NA	NA	NA	NA
Cadmium	D	ug/L	< 5	NA	< 4.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	ug/L	NA	NA	NA	NA	NA	< 0.4 U	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Calcium	D	ug/L	**54200**	NA	**61200**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	NA	NA	NA	NA	NA	**150000**	**98399 M**	**133476 M**	**113266 J**	**107021 MJ**	**88711 M**	**73192 M**	**82354**	**107531 M**	**113467 M**	**88836**	**115408**	**126759**	**154476 M**	**126065 M**
Chromium	D	ug/L	< 10	NA	< 5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	ug/L	NA	NA	NA	NA	NA	**1.3 B**	NA	NA	NA	NA	< 10 U	RU	**0.7 F**	NA	NA	< 10 U	NA	NA	NA	NA
Chromium VI	D	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium VI	T	mg/L	NA	NA	NA	NA	NA	< 0.01 U	NA	NA	NA	NA	R	NA	NA	NA	NA	**0.007 M**	NA	NA	NA	NA
Cobalt	D	ug/L	**7.6**	NA	< 2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	NA	NA	NA	NA	NA	**11.6 B**	NA	NA	NA	NA	**5.98 F**	**4.26 F**	**6.3 F**	NA	NA	**8.5 F**	NA	NA	NA	NA
Copper	D	ug/L	**15**	NA	< 3.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	NA	NA	NA	NA	NA	**3.2 B**	NA	NA	NA	NA	< 10 U	< 10 U	< 10 U	NA	NA	< 10 U	NA	NA	NA	NA
Iron	D	ug/L	**15200**	NA	**14700**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	NA	NA	NA	NA	NA	**15300**	**10621**	**17742**	**11483 J**	**10232**	**12094 M**	**9784 J**	**23369**	**17424 J**	**32431**	**28607**	**33933**	**19928**	**31255**	**59451**
Lead	D	ug/L	< 5	NA	< 0.91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	ug/L	NA	NA	NA	NA	NA	< 2.1 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U
Magnesium	D	ug/L	**18100**	NA	**16700**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	NA	NA	NA	NA	NA	**22200**	**14094**	**21084**	**17365**	**17406**	**13562 M**	**12084**	**12487**	**15364 M**	**14711 M**	**13042**	**18362**	**20606 M**	**23279**	**18350**
Manganese	D	ug/L	**954**	NA	**895**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	NA	NA	NA	NA	NA	**9150**	**4834**	**4635**	**7372 B**	**5361**	**2500**	**4051**	**3200**	**2521**	**2444**	**4428**	**6024**	**3807**	**4277**	**7475**
Mercury	D	ug/L	NA	NA	< 0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	NA	NA	NA	NA	NA	< 0.1 U	NA	NA	NA	NA	< 1 UM	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA
Nickel	D	ug/L	< 40	NA	< 24	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	NA	NA	NA	NA	NA	**10.4 B**	NA	NA	NA	NA	< 10 U	RU	< 20 U	NA	NA	< 20 U	NA	NA	NA	NA
Potassium	D	ug/L	**15000**	NA	**7920**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	NA	NA	NA	NA	NA	**4950 J**	**3497 J**	**4287 J**	**3672**	**3238**	**2803**	**2172**	**3423**	**2674**	**3758**	**3568**	**4296**	**3768**	**3376**	**3922**
Selenium	D	ug/L	NA	NA	**21**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	< 5	NA	NA	NA	NA	< 9.9 U	NA	NA	NA	NA	< 30 U	< 30 U	< 30 U	NA	NA	**22.2 F**	NA	NA	NA	NA
Silver	D	ug/L	NA	NA	< 4.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	NA	NA	NA	NA	NA	< 0.9 U	NA	NA	NA	NA	< 10 U	< 10 U	< 10 U	NA	NA	< 10 U	NA	NA	NA	NA
Sodium	D	ug/L	**36800**	NA	**35100**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	NA	NA	NA	NA	NA	**10800**	**8488**	**10465**	**6913**	**9596 M**	**14604 M**	**5859 M**	**8889**	**11086 M**	**6425 M**	**15623**	**14169**	**14750 M**	**5999 J**	**5456 M**
Thallium	D	ug/L	**1.3**	NA	< 2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	NA	NA	NA	NA	NA	< 4.3 U	NA	NA	NA	NA	**14.5 F**	**30.7 F**	**34.3 F**	NA	NA	< 80 U	NA	NA	NA	NA
Vanadium	D	ug/L	**6**	NA	< 2.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	NA	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 10 U	< 10 U	< 10 U	NA	NA	< 10 U	NA	NA	NA	NA
Zinc	D	ug/L	**12**	NA	**19**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	NA	NA	NA	NA	NA	**3.4 B**	NA	NA	NA	NA	**9.4 F**	**5.1 F**	**2.2 F**	NA	NA	**7.1 F**	NA	NA	NA	NA
Total Recoverable Phenolics	N	mg/L	NA	NA	NA	NA	NA	< 0.005 UJ	NA	NA	NA	NA	< 0.005 UM	NA	NA	NA	NA	**0.0112 J**	NA	NA	NA	NA
VOCs																						
1,1,1-Trichloroethane	N	ug/L	NA	NA	< 5 [< 0.3]	< 1	< 0.5 U	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	N	ug/L	NA	NA	< 5 [< 0.3]	< 1	< 0.5 U	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
1,1,2-trichloro-1,2,2-trifluoroethane	N	ug/L	NA	NA	< 1	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
1,1,2-Trichloroethane	N	ug/L	NA	NA	< 5 [< 0.2]	< 1	< 0.5 U	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
1,1-Dichloroethane	N	ug/L	NA	NA	< 5 [< 0.4]	< 1	< 0.5 U	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
1,1-Dichloroethene	N	ug/L	NA	NA	< 5 [< 0.3]	< 1	< 0.5 U	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
1,2,3-Trichloropropane	N	ug/L	NA	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
1,2,3-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
1,2,4-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	N	ug/L	NA	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA
1,2-Dibromoethane	N	ug/L	NA	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
1,2-Dichlorobenzene	N	ug/L	NA	NA	< 1	NA	NA	< 1 U	NA	NA	NA	NA	**0.13 F**	NA	NA	NA	NA	**0.12 F**	NA	NA	NA	NA
1,2-Dichloroethane	N	ug/L	NA	NA	< 5 [< 0.3]	< 1	< 0.5 U	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
1,2-Dichloroethene, Total	N	ug/L	< 5	< 5	< 5 [< 0.5]	< 1	**0.3 J**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	N	ug/L	< 5	< 5	< 5 [< 0.2]	< 1	< 0.5 U	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
1,3,5-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	N	ug/L	NA	NA	< 1	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
1,3-Dichloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	N	ug/L	NA	NA	< 1	NA	NA	**0.45 J**	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	**0.53**	NA	NA	NA	NA
1,4-Dioxane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	N	ug/L	< 10	< 10	**33**	< 2	< 5 U	NA	NA	NA	NA	NA	< 5 UM	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA

		Location	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001
		Sample Date	12/7/1987	12/7/1987	1/13/1989	9/18/1991	10/4/1995	4/26/2001	6/21/2001	10/1/2001	12/14/2001	3/18/2002	6/20/2002	9/24/2002	12/17/2002	3/19/2003	6/23/2003	9/24/2003	1/14/2004	3/24/2004	6/29/2004	9/23/2004
		Sample Type	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**																				
2-Chloroethyl vinyl ether	N	ug/L	NA	NA	< 0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	N	ug/L	< 10	< 10	< 10	< 2	< 5 U	< 2 U	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA
Acetone	N	ug/L	< 10	< 10	< 10	< 2	< 5 U	NA	NA	NA	NA	NA	< 10 UM	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA
Acrylonitrile	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA
Benzene	N	ug/L	**1.4**	**1.3**	< 5	< 1	**0.5**	**1.3**	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	**0.59**	NA	NA	NA	NA
Bromochloromethane	N	ug/L	NA	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Bromodichloromethane	N	ug/L	< 5	< 5	< 5 [< 0.4]	< 1	< 0.5 U	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Bromoform	N	ug/L	NA	NA	< 5 [< 0.5]	< 1	< 0.5 U	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Bromomethane	N	ug/L	NA	NA	< 10 [< 0.5]	< 2	< 0.5 U	< 2 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Carbon Disulfide	N	ug/L	NA	NA	< 5	< 1	< 0.5 U	< 1 U	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Carbon Tetrachloride	N	ug/L	NA	NA	< 5 [< 0.3]	< 1	< 0.5 U	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
CFC-11	N	ug/L	NA	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
CFC-12	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	**0.16 F**	NA	NA	NA	NA
Chlorobenzene	N	ug/L	< 5	< 5	< 5 [< 0.4]	< 1	**1.5**	**0.45 J**	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	**0.41 F**	NA	NA	NA	NA
Chlorodibromomethane	N	ug/L	NA	NA	< 5 [< 0.4]	< 1	< 0.5 U	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Chloroethane	N	ug/L	NA	NA	< 10 [< 0.5]	< 2	< 0.5 U	**1.6 J**	NA	NA	NA	NA	**0.61**	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Chloroform	N	ug/L	< 5	< 5	< 5 [< 0.2]	< 1	< 0.5 U	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Chloromethane	N	ug/L	NA	NA	< 10 [< 0.5]	< 2	< 0.5 U	< 2 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
cis-1,2-Dichloroethene	N	ug/L	NA	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	**0.11 F**	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
cis-1,3-Dichloropropene	N	ug/L	NA	NA	< 5 [< 0.3]	< 1	< 0.5 U	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Cyclohexane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Dibromomethane	N	ug/L	NA	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Dichloromethane	N	ug/L	< 5	< 5	< 5 [< 1]	< 1	< 0.5 U	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Ethylbenzene	N	ug/L	**2.8**	**3**	< 5	< 1	< 0.5 U	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Isopropylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
m&p-Xylenes	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA
Methyl N-Butyl Ketone (2-Hexanone)	N	ug/L	< 10	< 10	< 10	< 2	< 5 U	< 2 U	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA
Methylcyclohexane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Methyl-tert-butylether	N	ug/L	NA	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
n-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenolics	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	N	ug/L	NA	NA	< 5	< 1	< 0.5 U	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
tert-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	N	ug/L	< 5	< 5	< 5 [< 0.2]	< 1	< 0.5 U	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Toluene	N	ug/L	< 5	< 5	< 5	< 1	< 0.5 U	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Total Xylenes	N	ug/L	**3.2**	**3.3**	< 5	< 1	< 0.5 U	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 1.5 U	NA	NA	NA	NA
trans-1,2-Dichloroethene	N	ug/L	NA	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
trans-1,3-Dichloropropene	N	ug/L	NA	NA	< 5 [< 0.3]	< 1	< 0.5 U	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
trans-1,4-Dichloro-2-butene	N	ug/L	NA	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Trichloroethene	N	ug/L	< 5	< 5	**1 [< 0.5]**	< 1	**0.6**	**0.25 J**	NA	NA	NA	NA	**0.23 F**	NA	NA	NA	NA	**0.14 F**	NA	NA	NA	NA
Vinyl acetate	N	ug/L	NA	NA	< 10	< 2	NA	< 4 U	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA
Vinyl chloride	N	ug/L	**6.3**	**6.8**	**2 [0.8]**	< 2	< 0.5 U	**3.3**	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	**0.96**	NA	NA	NA	NA
Leachate Indicators																						
Ammonia Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromide	N	mg/L	< 1	< 1	NA	NA	NA	< 0 U	NA	NA	NA	NA	< 0 U	NA	NA	NA	NA	< 0 U	NA	NA	NA	NA
Chloride	N	mg/L	**80**	**85**	NA	NA	NA	**11.6**	NA	NA	NA	NA	**21.6 J**	NA	NA	NA	NA	**29.6 J**	NA	NA	NA	NA
Fluoride (F-, Anion)	N	mg/L	< 0.1	< 0.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	N	mg/L	**12**	**12**	NA	NA	NA	**11.6**	NA	NA	NA	NA	**13.5**	NA	NA	NA	NA	**14.5**	NA	NA	NA	NA
Total Kjeldahl Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorus as PO4	N	mg/L	**0.4**	**0.4**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity	N	mg/L	NA	NA	NA	NA	NA	**430**	NA	NA	NA	NA	**291 S**	NA	NA	NA	NA	**276 B**	NA	NA	NA	NA
Alkalinity (as CaCO3)	N	mg/L	NA	NA	NA	NA	NA	**447**	NA	NA	NA	NA	**287 B**	NA	NA	NA	NA	**411 B**	NA	NA	NA	NA
Alkalinity, Bicarbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Carbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Hydroxide	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Biological Oxygen Demand	N	mg/L	NA	NA	NA	NA	NA	**5.5**	NA	NA	NA	NA	R	NA	NA	NA	NA	**3.28 B**	NA	NA	NA	NA
Carbon	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CBOD	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chemical Oxygen Demand	N	mg/L	NA	NA	NA	NA	NA	**6**	NA	NA	NA	NA	< 0 U	NA	NA	NA	NA	< 0 U	NA	NA	NA	NA
Color	N	COLOR UNIT	NA	NA	NA	NA	NA	25	NA	NA	NA	NA	45 B	NA	NA	NA	NA	90	NA	NA	NA	NA
Color	N	PCU	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	N	ug/L	NA	NA	NA	NA	NA	< 0 U	NA	NA	NA	NA	< 0 U	NA	NA	NA	NA	< 0 U	NA	NA	NA	NA
Hardness (as CaCO3)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	N	PH UNITS	NA	NA	6 [6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids	N	mg/L	**290**	NA	NA	NA	NA	**510**	NA	NA	NA	NA	**390 SB**	NA	NA	NA	NA	**375 S**	NA	NA	NA	NA
Total Dissolved Solids	N	ug/L	NA	**300**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	NA	NA	NA	NA	NA	**4 J**	NA	NA	NA	NA	**3.33 S**	NA	NA	NA	NA	**3.53 J**	NA	NA	NA	NA
Total Organic Carbon 2	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001
		Sample Date	12/20/2004	3/29/2005	6/28/2005	12/15/2005	6/28/2006	1/4/2007	7/12/2007	12/5/2007	6/25/2009	12/10/2009	6/21/2010	6/21/2010	12/8/2010	6/21/2011	12/13/2011	6/20/2012	6/25/2013	6/25/2013	6/19/2014	7/8/2015
		Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N
Chemical	**Fraction**	**Unit**																				
Metals																						
Aluminum	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	NA	**10 F**	NA	**216**	NA	**299 M**	NA	**48.4 F**	NA	**1300 J**	NA	NA	**536**	< 100 U	< 100 U	NA	< 200 U	< 200 U	NA	NA
Antimony	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	NA	< 50 U	NA	< 50 U	NA	< 50 U	NA	< 50 U	NA	< 2 U	NA	NA	**1.88**	**0.558 F**	**0.808 F**	NA	< 1 U	< 1 U	NA	NA
Arsenic	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	ug/L	NA	**13 F**	NA	**7.4 F**	NA	**5.96 F**	NA	< 30 U	NA	**14**	NA	NA	**27.5 M**	**13.1 J**	**8.69**	NA	**10.9 J**	**14.2 J**	NA	NA
Barium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	ug/L	NA	**54.5**	NA	**41.8 F**	NA	**39.6 F**	NA	**35.4 F**	NA	**43**	NA	NA	**46.7**	**41.5 B**	**41.1**	NA	**27.4**	**28.4**	NA	NA
Beryllium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	NA	< 4 U	NA	< 4 U	NA	< 4 U	NA	< 4 U	NA	< 1 U	NA	NA	< 2 U	< 2 U	< 2 U	NA	< 2 U	< 2 U	NA	NA
Boron	T	ug/L	NA	**36 F**	NA	NA	NA	**24.6 F**	NA	**33.8 F**	NA	**24**	NA	NA	**117**	**78.1 F**	**161**	NA	< 100 U	< 100 U	NA	NA
Cadmium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	ug/L	**0.33 F**	< 5 U	**0.25 F**	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	**0.22 F**	**0.71 F**	NA	**0.418 F**	**0.807**	< 0.6 U	< 0.6 U	**0.303 F**	**0.474 F**	**0.744**	< 0.6 U	< 0.6 U
Calcium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	**101064 M**	**99880 M**	**120000 M**	**117000**	**111000**	**82500**	**98300 M**	**97400**	**69000**	**90000 M**	**81500 M**	NA	**85400 M**	**103000 B**	**114000**	**93000 M**	**89100 M**	**89900 M**	**92800 M**	**103000 M**
Chromium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	ug/L	NA	**1 F**	NA	**3.5 F**	NA	**3.15 F**	NA	**4.33 F**	NA	**1.8 F**	NA	NA	**1.51 M**	NA	**9.41**	NA	< 2 UM	< 2 UM	**1.1 M**	< 2 U
Chromium VI	D	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.005 U	NA	< 0.01 U	NA	< 0.01 U	< 0.01 U	NA	NA
Chromium VI	T	mg/L	NA	< 0.5 U	NA	**0.005 F**	NA	< 0.01 U	NA	R	NA	< 0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	NA	**4 F**	NA	< 60 U	NA	< 60 U	NA	< 60 U	NA	**7.2**	NA	NA	**2.64 M**	**1.14**	**7.09**	NA	**2.55 J**	**3.32 J**	NA	NA
Copper	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	NA	< 10 U	NA	< 10 U	NA	< 10 U	NA	< 10 U	NA	**3.7**	NA	NA	**5.66**	< 5 UJ	< 5 U	NA	< 5 U	< 5 U	NA	NA
Iron	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	**59023 J**	**44624**	**57000 M**	**38300**	**34600**	**20500**	**15600 M**	**12000**	**14000 M**	**40000**	**28100 M**	NA	**29300 M**	**15100 M**	**60700**	**55300 M**	**22100 M**	**29200 M**	**35300**	**50600**
Lead	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	ug/L	< 25 U	**1.2 F**	**1.5 F**	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 2 U	**1.7 F**	NA	**2.29**	**2.51**	< 1 U	< 1 U	**1.06**	**0.673 F**	**0.877 F**	**1.52**	< 1 U
Magnesium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	**13737**	**18330**	**20000**	**19900**	**17100**	**15600**	**21100**	**19300**	**14000**	**18000**	**15200 M**	NA	**13700**	**17500 B**	**21900**	**11300 M**	**18000**	**18300**	**15000 M**	**10700**
Manganese	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	**3805 J**	**1398**	**2800**	**2180**	**2090**	**3540**	**2370 M**	**2060**	**3600 M**	**2300**	**1410 M**	NA	**1990 M**	**736**	**5150**	**1370 M**	**1240 J**	**1610 J**	**826**	**1010**
Mercury	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	NA	**0.02 F**	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	**0.072 F**	NA	NA	< 0.2 U	< 0.2 U	< 0.2 U	NA	< 0.2 U	< 0.2 U	NA	NA
Nickel	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	NA	**3 F**	NA	**4.66 F**	NA	**6.91 F**	NA	**5.19 F**	NA	**8.1**	NA	NA	**5.18 M**	**6.6 M**	**8.74**	NA	**4.38 M**	**4.65 M**	NA	NA
Potassium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	**4873 J**	**3460**	**2300**	**2150 J**	**1540**	**2200 J**	**1800 J**	**2260**	**1100**	**1700**	**1430 M**	NA	**1660**	**1100 B**	**1970**	**2260**	**1330**	**1320**	**1750 M**	**1810**
Selenium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	NA	**2 F**	NA	< 30 U	NA	< 30 U	NA	< 30 U	NA	**0.47 F**	NA	NA	< 1 U	< 1 U	< 1 U	NA	**0.805 F**	**0.583 F**	NA	NA
Silver	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	NA	**1 F**	NA	< 10 U	NA	< 10 U	NA	< 10 U	NA	< 1 UM	NA	NA	< 1 U	< 1 U	< 1 U	NA	< 1 U	< 1 U	NA	NA
Sodium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	**65664 M**	**57560**	**11000 M**	**31800 J**	**37500**	**80100**	**14100 M**	**41300**	**13000 M**	**23000**	**8350 M**	NA	**141000 M**	**130000 B**	**1550**	**91200 M**	**104000**	**85900**	**88600**	**63000**
Thallium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	NA	< 80 U	NA	< 80 U	NA	< 80 U	NA	< 80 U	NA	< 1 U	NA	NA	< 0.2 UM	< 0.2 U	NA	NA	< 0.2 U	< 0.2 U	NA	NA
Vanadium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	NA	< 10 U	NA	< 10 U	NA	< 10 U	NA	< 10 U	NA	**4.1 F**	NA	NA	**2.14 M**	NA	NA	NA	**0.607 M**	**0.78 M**	NA	NA
Zinc	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	NA	**10 F**	NA	**70.2 J**	NA	**16.2 F**	NA	**33.6 J**	NA	**19 M**	NA	NA	**9.76 F**	**7.31 F**	< 20 U	NA	< 20 U	< 20 U	NA	NA
Total Recoverable Phenolics	N	mg/L	NA	**0.0074**	NA	< 0.005 U	NA	< 0.005 U	NA	< 0.005 U	NA	< 0.05 UM	NA	NA	**0.0046 F**	NA	< 0.005 U	NA	< 0.005 U	< 0.005 U	NA	NA
VOCs																						
1,1,1-Trichloroethane	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	< 1 U	NA	NA
1,1,2,2-Tetrachloroethane	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	< 1 U	NA	NA
1,1,2-trichloro-1,2,2-trifluoroethane	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 5 U	NA	< 5 U	NA	< 5 U	< 5 U	NA	NA
1,1,2-Trichloroethane	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	< 1 U	NA	NA
1,1-Dichloroethane	N	ug/L	NA	< 0.5 U	NA	**0.16 F**	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	< 1 U	NA	NA
1,1-Dichloroethene	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	< 1 U	NA	NA
1,2,3-Trichloropropane	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	< 1 U	NA	NA
1,2,3-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 UJ	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	< 1 U	NA	NA
1,2,4-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	N	ug/L	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 2 U	NA	NA	< 2 U	NA	< 2 U	NA	< 2 U	< 2 U	NA	NA
1,2-Dibromoethane	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	< 1 U	NA	NA
1,2-Dichlorobenzene	N	ug/L	NA	**0.22 F**	NA	**0.25 F**	NA	**0.41 F**	NA	**0.64**	NA	**0.348 F**	NA	NA	**0.261 F**	NA	**0.177 F**	NA	**0.386 F**	**0.38 F**	NA	NA
1,2-Dichloroethane	N	ug/L	NA	< 0.5 U	NA	**0.14 F**	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	< 1 U	NA	NA
1,2-Dichloroethene, Total	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	< 1 U	NA	NA
1,3,5-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	< 1 U	NA	NA
1,3-Dichloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	N	ug/L	NA	**1.04**	NA	**1.03**	NA	**1.9**	NA	**3.11**	NA	**2.21**	NA	NA	**1.82**	NA	**1.45**	NA	**1.27**	**1.46**	NA	NA
1,4-Dioxane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	N	ug/L	NA	< 5 U	NA	R	NA	< 5 U	NA	< 5 U	NA	< 10 U	NA	NA	< 5 U	NA	< 5 U	NA	< 5 UJ	< 5 UJ	NA	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001
		Sample Date	12/20/2004	3/29/2005	6/28/2005	12/15/2005	6/28/2006	1/4/2007	7/12/2007	12/5/2007	6/25/2009	12/10/2009	6/21/2010	6/21/2010	12/8/2010	6/21/2011	12/13/2011	6/20/2012	6/25/2013	6/25/2013	6/19/2014	7/8/2015
		Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N
Chemical	**Fraction**	**Unit**																				
2-Chloroethyl vinyl ether	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	N	ug/L	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 10 U	NA	NA	< 5 U	NA	< 5 U	NA	< 5 UJ	< 5 UJ	NA	NA
Acetone	N	ug/L	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 20 U	NA	NA	< 5 U	NA	< 5 U	NA	< 5 U	< 5 U	NA	NA
Acrylonitrile	N	ug/L	NA	< 4 U	NA	< 4 U	NA	< 4 U	NA	< 4 U	NA	< 1 U	NA	NA	< 5 U	NA	< 5 U	NA	< 5 U	< 5 U	NA	NA
Benzene	N	ug/L	NA	**2.08 J**	NA	**1.52**	NA	**0.48 F**	NA	**0.51**	NA	**0.509 F**	NA	NA	**0.484 F**	NA	**0.399 F**	NA	**0.587 F**	**0.652 F**	NA	NA
Bromochloromethane	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	< 1 U	NA	NA
Bromodichloromethane	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	< 1 U	NA	NA
Bromoform	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	< 1 U	NA	NA
Bromomethane	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	< 1 U	NA	NA
Carbon Disulfide	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 5 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	< 1 U	NA	NA
Carbon Tetrachloride	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	< 1 U	NA	NA
CFC-11	N	ug/L	NA	**0.13 F**	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	< 1 U	NA	NA
CFC-12	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1	NA	< 1 UJ	< 1 UJ	NA	NA
Chlorobenzene	N	ug/L	NA	**1.28 J**	NA	**1.67**	NA	**1.72**	NA	**4**	NA	**0.76 F**	NA	NA	**0.506 F**	NA	**0.385 F**	NA	**0.961 F**	**0.991 F**	NA	NA
Chlorodibromomethane	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	< 1 U	NA	NA
Chloroethane	N	ug/L	NA	**0.66**	NA	**0.85 M**	NA	< 0.5 U	NA	**0.19 F**	NA	< 1 U	NA	NA	< 1 U	NA	**1.04**	NA	< 1 UJ	< 1 UJ	NA	NA
Chloroform	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	< 1 U	NA	NA
Chloromethane	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	< 1 U	NA	NA
cis-1,2-Dichloroethene	N	ug/L	NA	**0.2 F**	NA	**0.16 F**	NA	**0.11 F**	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	< 1 U	NA	NA
cis-1,3-Dichloropropene	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	< 1 U	NA	NA
Cyclohexane	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	**0.2 F**	NA	< 0.5 U	NA	< 5 U	NA	NA	< 5 U	NA	< 5 U	NA	< 5 UJ	< 5 UJ	NA	NA
Dibromomethane	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	< 1 U	NA	NA
Dichloromethane	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 5 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	< 1 U	NA	NA
Ethylbenzene	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	< 1 U	NA	NA
Isopropylbenzene	N	ug/L	NA	**0.1 F**	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	< 1 U	NA	NA
m&p-Xylenes	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	N	ug/L	NA	< 5 U	NA	< 5 U	NA	R	NA	< 5 U	NA	< 5 U	NA	NA	< 5 U	NA	< 5 U	NA	< 5 U	< 5 U	NA	NA
Methyl N-Butyl Ketone (2-Hexanone)	N	ug/L	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	NA	< 5 U	NA	< 5 U	NA	< 5 UJ	< 5 UJ	NA	NA
Methylcyclohexane	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	**0.19 F**	NA	< 0.5 U	NA	< 5 U	NA	NA	< 5 U	NA	< 5 U	NA	< 5 U	< 5 U	NA	NA
Methyl-tert-butylether	N	ug/L	NA	< 0.5 U	NA	**0.14 F**	NA	**0.14 F**	NA	**0.29 F**	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	< 1 U	NA	NA
n-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenolics	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	< 1 U	NA	NA
tert-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	< 1 U	NA	NA
Toluene	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	< 1 U	NA	NA
Total Xylenes	N	ug/L	NA	< 1.5 U	NA	< 1.5 U	NA	< 1.5 U	NA	< 1.5 U	NA	< 3 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	< 1 U	NA	NA
trans-1,2-Dichloroethene	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	< 1 U	NA	NA
trans-1,3-Dichloropropene	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	< 1 U	NA	NA
trans-1,4-Dichloro-2-butene	N	ug/L	NA	< 2 U	NA	< 2 U	NA	< 2 U	NA	< 2 U	NA	< 5 U	NA	NA	< 5 UJ	NA	< 5 U	NA	< 5 UJ	< 5 UJ	NA	NA
Trichloroethene	N	ug/L	NA	**0.12 F**	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	< 1 U	NA	NA
Vinyl acetate	N	ug/L	NA	< 2 U	NA	R	NA	R	NA	< 2 U	NA	< 5 U	NA	NA	< 5 UJ	NA	< 5 U	NA	< 5 UJ	< 5 UJ	NA	NA
Vinyl chloride	N	ug/L	NA	**1.85**	NA	**1.87**	NA	**0.56**	NA	**1.09**	NA	**1.09**	NA	NA	**0.513 F**	NA	**1.54**	NA	**0.36 F**	**0.4007 F**	NA	NA
Leachate Indicators																						
Ammonia Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromide	N	mg/L	NA	< 0 U	NA	< 0 UM	NA	< 0 UM	NA	< 0 U	NA	< 0 U	NA	NA	< 0 U	NA	< 0 U	NA	< 0.2 U	< 0.2 U	NA	NA
Chloride	N	mg/L	NA	**87.02 M**	NA	**51 M**	NA	**120 M**	NA	**49**	NA	**64**	NA	NA	**167 M**	NA	**3.42**	NA	**146 J**	**192 J**	NA	NA
Fluoride (F-, Anion)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	N	mg/L	NA	**14.62**	NA	**11 J**	NA	**26 M**	NA	**17**	NA	**27 M**	NA	NA	**29.4**	NA	**1.14**	NA	**14.9**	**18**	NA	NA
Total Kjeldahl Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorus as PO4	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity	N	mg/L	NA	**326**	NA	**330**	NA	**260**	NA	**320**	NA	NA	NA	NA	**283 M**	NA	**32.4**	NA	**249**	**240**	NA	NA
Alkalinity (as CaCO3)	N	mg/L	NA	**364**	NA	**390 B**	NA	**270**	NA	**320**	NA	**298**	NA	NA	**230 M**	NA	**490**	NA	**286**	**288**	NA	NA
Alkalinity, Bicarbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Carbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Hydroxide	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Biological Oxygen Demand	N	mg/L	NA	< 0 U	NA	R	NA	< 0 U	NA	< 0 U	NA	**4.5**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	NA	NA	NA	**6.02 B**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CBOD	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0 UM	NA	**5.08**	NA	< 0 U	< 0 U	NA	NA
Chemical Oxygen Demand	N	mg/L	NA	**15.1 J**	NA	**20 J**	NA	**20**	NA	R	NA	**14 J**	NA	NA	**29.3 M**	NA	**14.5 F**	NA	< 0 U	< 0 U	NA	NA
Color	N	COLOR UNIT	NA	20 J	NA	30 J	NA	150	NA	30	NA	100	NA	NA	< 0 U	NA	5	NA	5	5	NA	NA
Color	N	PCU	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	N	ug/L	NA	< 0 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	< 1 U	NA	NA
Hardness (as CaCO3)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	N	PH UNITS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.06	NA	NA	NA	NA	NA
Total Dissolved Solids	N	mg/L	NA	**560**	NA	**430**	NA	**530**	NA	**460**	NA	NA	NA	NA	**594**	NA	**508**	NA	**614**	**672**	NA	NA
Total Dissolved Solids	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	NA	**2.8**	NA	NA	NA	**2.4**	NA	**2.6**	NA	**2.5 M**	NA	NA	**9.83 M**	NA	**60.9**	NA	**3.46 B**	**3.8 B**	NA	NA
Total Organic Carbon 2	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-001	MW-23-001	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002
		Sample Date	8/24/2017	7/31/2018	12/7/1987	8/10/1988	1/10/1989	4/23/2001	6/20/2001	9/24/2001	12/12/2001	3/19/2002	6/18/2002	9/23/2002	12/19/2002	3/17/2003	6/19/2003	9/25/2003	1/13/2004	3/23/2004	6/24/2004	9/21/2004
		Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**																				
Metals																						
Aluminum	D	ug/L	NA	NA	< 200	NA	**62**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	NA	< 70	NA	NA	NA	**57.8 B**	NA	NA	NA	NA	< 200 U	< 200 U	< 200 U	NA	NA	**638 M**	NA	NA	NA	NA
Antimony	D	ug/L	NA	NA	< 60	NA	< 43	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	NA	< 1.0	NA	NA	NA	< 4.1 U	NA	NA	NA	NA	**5.3 F**	< 50 U	**2.7 F**	NA	NA	< 50 U	NA	NA	NA	NA
Arsenic	D	ug/L	NA	NA	**1.6**	NA	**2.2**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	ug/L	NA	**11**	NA	NA	NA	< 4.4 U	NA	NA	NA	NA	< 30 U	< 30 U	< 30 U	NA	NA	**10.7 F**	NA	NA	NA	NA
Barium	D	ug/L	NA	NA	**8.9**	NA	**11**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	ug/L	NA	**39**	NA	NA	NA	**11.6 B**	NA	NA	NA	NA	**10.7**	**13.4 J**	**11.7 F**	NA	NA	**22.1 F**	NA	NA	NA	NA
Beryllium	D	ug/L	NA	NA	< 5	NA	**2.8**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	NA	< 0.30	NA	NA	NA	**0.33 B**	NA	NA	NA	NA	< 5 U	< 5 U	< 4 U	NA	NA	< 4 U	NA	NA	NA	NA
Boron	T	ug/L	NA	< 15	NA	NA	NA	**37.3 B**	NA	NA	NA	NA	< 110 U	< 110 U	< 110 U	NA	NA	**27.4 F**	NA	NA	NA	NA
Cadmium	D	ug/L	NA	NA	< 5	NA	**4.3**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	ug/L	**0.90**	< 1.0	NA	NA	NA	< 0.4 U	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Calcium	D	ug/L	NA	NA	**52700**	NA	**43800**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	**79000**	**86000**	NA	NA	NA	**58400**	**70558 M**	**83587 M**	**72143 J**	**53345 MJ**	**43937 MJ**	**45338 M**	**49514**	**45729 M**	**45332 M**	**69360**	**70136**	**61926**	**55371 M**	**67940 M**
Chromium	D	ug/L	NA	NA	< 10	NA	< 5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	ug/L	**9.0**	< 1.8	NA	NA	NA	**2.9 B**	NA	NA	NA	NA	< 10 U	**78.7 J**	**2.6 F**	NA	NA	< 10 U	NA	NA	NA	NA
Chromium VI	D	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium VI	T	mg/L	NA	< 0.010	NA	NA	NA	< 0.01 UJ	NA	NA	NA	NA	< 0.01 U	NA	NA	NA	NA	< 0.01 U	NA	NA	NA	NA
Cobalt	D	ug/L	NA	NA	**4.6**	NA	**4.2**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	NA	**12**	NA	NA	NA	< 0.6 U	NA	NA	NA	NA	< 6 U	< 6 U	< 60 U	NA	NA	< 60 U	NA	NA	NA	NA
Copper	D	ug/L	NA	NA	**15**	NA	**6.4**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	NA	< 1.8	NA	NA	NA	**4.8 B**	NA	NA	NA	NA	< 10 U	< 10 U	< 10 U	NA	NA	< 10 U	NA	NA	NA	NA
Iron	D	ug/L	NA	NA	**35**	NA	**143**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	**98000**	**74000**	NA	NA	NA	**72.8 B**	**88.8 F**	< 200 U	< 200 U	< 200 U	< 200 UM	**343 J**	< 200 U	**61.7 J**	**19.8 J**	**512**	**209**	**55.4 F**	**116 J**	< 200 U
Lead	D	ug/L	NA	NA	< 5	NA	< 0.91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	ug/L	**1.6**	< 0.70	NA	NA	NA	< 2.1 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	**4.9 F**	< 25 U	< 25 U
Magnesium	D	ug/L	NA	NA	**18400**	NA	**15100**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	**11000**	**14000**	NA	NA	NA	**17200**	**20675**	**25200**	**21242**	**16712**	**13607 MJ**	**14473**	**14990**	**13901 M**	**13758 M**	**21028**	**21701**	**19003 M**	**17531**	**21235**
Manganese	D	ug/L	NA	NA	**5.6**	NA	**12**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	**1200**	**1700**	NA	NA	NA	**3.3 B**	**10.2**	< 5 U	< 5 U	< 5 U	< 5 U	**7.61**	< 10 U	< 10 U	R	**17.3**	**6.4 F**	**1.4 F**	**3.7 F**	< 10 U
Mercury	D	ug/L	NA	NA	NA	NA	< 0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	NA	< 0.080	NA	NA	NA	< 0.1 U	NA	NA	NA	NA	< 1 UM	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA
Nickel	D	ug/L	NA	NA	< 40	NA	< 24	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	NA	**6.8**	NA	NA	NA	< 2.7 U	NA	NA	NA	NA	< 10 U	**45.9 J**	< 20 U	NA	NA	< 20 U	NA	NA	NA	NA
Potassium	D	ug/L	NA	NA	**5020**	NA	< 2360	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	**2300**	**2200**	NA	NA	NA	**1810 J**	**1586 J**	**2075 J**	**1558**	**1502**	**1388**	**1200**	**849 F**	**1266**	**903 J**	**1254**	**1107**	**1231**	**1158**	**912 F**
Selenium	D	ug/L	NA	NA	**30**	NA	**2.1**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	NA	< 2.0	NA	NA	NA	< 9.9 U	NA	NA	NA	NA	< 30 U	< 30 U	< 30 U	NA	NA	**23.5 F**	NA	NA	NA	NA
Silver	D	ug/L	NA	NA	NA	NA	< 4.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	NA	< 0.10	NA	NA	NA	< 0.9 U	NA	NA	NA	NA	< 10 U	< 10 U	< 10 U	NA	NA	< 10 U	NA	NA	NA	NA
Sodium	D	ug/L	NA	NA	**49100**	NA	**49100**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	**46000**	**24000**	NA	NA	NA	**124000**	**121430**	**132026**	**117569**	**104366 M**	**87556 MJ**	**106396 M**	**112475**	**110817 M**	**109298 M**	**117593**	**121601**	**109397 M**	**124553**	**148380 M**
Thallium	D	ug/L	NA	NA	< 10	NA	**2.2**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	NA	< 0.20	NA	NA	NA	< 4.3 U	NA	NA	NA	NA	**4.1 F**	< 80 U	**5.3 F**	NA	NA	< 80 U	NA	NA	NA	NA
Vanadium	D	ug/L	NA	NA	**7.2**	NA	**3.8**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	NA	< 2.0	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 10 U	< 10 U	< 10 U	NA	NA	< 10 U	NA	NA	NA	NA
Zinc	D	ug/L	NA	NA	**9**	NA	**73**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	NA	**2.2**	NA	NA	NA	**13.4**	NA	NA	NA	NA	**8.6 F**	**9.5 F**	**3.2 F**	NA	NA	**2.5 F**	NA	NA	NA	NA
Total Recoverable Phenolics	N	mg/L	NA	NA	NA	NA	NA	< 0.005 UJ	NA	NA	NA	NA	< 0.005 UM	NA	NA	NA	NA	**0.0042 J**	NA	NA	NA	NA
VOCs																						
1,1,1-Trichloroethane	N	ug/L	NA	< 0.40	NA	NA	< 5 [< 0.3]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	N	ug/L	NA	< 0.80	NA	NA	< 5 [< 0.3]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
1,1,2-trichloro-1,2,2-trifluoroethane	N	ug/L	NA	< 1.6	NA	NA	< 1	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
1,1,2-Trichloroethane	N	ug/L	NA	< 0.80	NA	NA	< 5 [< 0.2]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
1,1-Dichloroethane	N	ug/L	NA	< 0.80	NA	NA	< 5 [< 0.4]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
1,1-Dichloroethene	N	ug/L	NA	< 0.80	NA	NA	< 5 [< 0.3]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
1,2,3-Trichloropropane	N	ug/L	NA	< 0.80	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
1,2,3-Trimethylbenzene	N	ug/L	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	N	ug/L	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
1,2,4-Trimethylbenzene	N	ug/L	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	N	ug/L	NA	< 1.6	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA
1,2-Dibromoethane	N	ug/L	NA	< 0.40	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
1,2-Dichlorobenzene	N	ug/L	NA	**0.13**	NA	NA	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
1,2-Dichloroethane	N	ug/L	NA	< 0.40	NA	NA	< 5 [< 0.3]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
1,2-Dichloroethene, Total	N	ug/L	NA	NA	< 5	< 5	< 5 [< 0.5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	N	ug/L	NA	< 0.40	< 5	< 5	< 5 [< 0.2]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
1,3,5-Trimethylbenzene	N	ug/L	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	N	ug/L	NA	< 0.40	NA	NA	< 1	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
1,3-Dichloropropane	N	ug/L	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	N	ug/L	NA	**0.54**	NA	NA	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
1,4-Dioxane	N	ug/L	NA	< 160	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	N	ug/L	NA	< 4.0	< 10	**160**	< 10	NA	NA	NA	NA	NA	< 5 UM	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-001	MW-23-001	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002
		Sample Date	8/24/2017	7/31/2018	12/7/1987	8/10/1988	1/10/1989	4/23/2001	6/20/2001	9/24/2001	12/12/2001	3/19/2002	6/18/2002	9/23/2002	12/19/2002	3/17/2003	6/19/2003	9/25/2003	1/13/2004	3/23/2004	6/24/2004	9/21/2004
		Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**																				
2-Chloroethyl vinyl ether	N	ug/L	NA	NA	NA	NA	< 0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	N	ug/L	NA	< 3.2	< 10	< 10	< 10	< 2 U	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA
Acetone	N	ug/L	NA	**13**	< 10	< 10	< 10	NA	NA	NA	NA	NA	< 10 UM	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA
Acrylonitrile	N	ug/L	NA	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA
Benzene	N	ug/L	NA	**0.69**	< 5	< 5	< 5	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Bromochloromethane	N	ug/L	NA	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Bromodichloromethane	N	ug/L	NA	< 0.40	< 5	< 5	< 5 [< 0.4]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Bromoform	N	ug/L	NA	< 0.40	NA	NA	< 5 [< 0.5]	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Bromomethane	N	ug/L	NA	< 0.80	NA	NA	< 10 [< 0.5]	< 2 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Carbon Disulfide	N	ug/L	NA	< 1.6	NA	NA	< 5	< 1 U	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Carbon Tetrachloride	N	ug/L	NA	< 0.40	NA	NA	< 5 [< 0.3]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
CFC-11	N	ug/L	NA	< 0.80	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
CFC-12	N	ug/L	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Chlorobenzene	N	ug/L	NA	**0.75**	< 5	< 5	< 5 [< 0.4]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Chlorodibromomethane	N	ug/L	NA	< 0.40	NA	NA	< 5 [< 0.4]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Chloroethane	N	ug/L	NA	< 1.6	NA	NA	< 10 [< 0.5]	< 2 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Chloroform	N	ug/L	NA	< 0.40	< 5	< 5	< 5 [< 0.2]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Chloromethane	N	ug/L	NA	< 0.80	NA	NA	< 10 [< 0.5]	< 2 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
cis-1,2-Dichloroethene	N	ug/L	NA	< 0.40	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
cis-1,3-Dichloropropene	N	ug/L	NA	< 0.40	NA	NA	< 5 [< 0.3]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Cyclohexane	N	ug/L	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Dibromomethane	N	ug/L	NA	< 0.40	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Dichloromethane	N	ug/L	NA	< 0.80	**2**	< 5	< 5 [< 1]	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Ethylbenzene	N	ug/L	NA	< 0.40	< 5	< 5	< 5	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Isopropylbenzene	N	ug/L	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
m&p-Xylenes	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	N	ug/L	NA	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA
Methyl N-Butyl Ketone (2-Hexanone)	N	ug/L	NA	< 4.0	< 10	< 10	< 10	< 2 U	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA
Methylcyclohexane	N	ug/L	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Methyl-tert-butylether	N	ug/L	NA	< 0.80	NA	NA	NA	**3.2**	NA	NA	NA	NA	**0.46 F**	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
n-Butylbenzene	N	ug/L	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	N	ug/L	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenolics	N	mg/L	NA	< 0.010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	N	ug/L	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	N	ug/L	NA	< 0.40	NA	NA	< 5	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
tert-Butylbenzene	N	ug/L	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	N	ug/L	NA	< 0.40	< 5	< 5	< 5 [< 0.2]	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Toluene	N	ug/L	NA	< 0.40	< 5	< 5	< 5	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Total Xylenes	N	ug/L	NA	< 0.80	< 5	< 5	< 5	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 1.5 U	NA	NA	NA	NA
trans-1,2-Dichloroethene	N	ug/L	NA	< 0.40	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
trans-1,3-Dichloropropene	N	ug/L	NA	< 0.40	NA	NA	< 5 [< 0.3]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
trans-1,4-Dichloro-2-butene	N	ug/L	NA	< 1.6	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Trichloroethene	N	ug/L	NA	< 0.40	< 5	< 5	< 5 [< 0.5]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Vinyl acetate	N	ug/L	NA	< 2.0	NA	NA	< 10	< 4 U	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA
Vinyl chloride	N	ug/L	NA	**0.41**	< 10	< 10	< 10 [< 0.3]	< 2 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Leachate Indicators																						
Ammonia Nitrogen	N	mg/L	NA	**1.4**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromide	N	mg/L	NA	< 0.20	< 1	NA	NA	< 0 U	NA	NA	NA	NA	RU	NA	NA	NA	NA	**0.07 F**	NA	NA	NA	NA
Chloride	N	mg/L	NA	**18**	**78**	NA	NA	**155**	NA	NA	NA	NA	**142 J**	NA	NA	NA	NA	**206 J**	NA	NA	NA	NA
Fluoride (F-, Anion)	N	mg/L	NA	NA	< 0.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	N	mg/L	NA	< 0.10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	N	mg/L	NA	**12**	**15**	NA	NA	**34.1**	NA	NA	NA	NA	**23.6**	NA	NA	NA	NA	**34.9**	NA	NA	NA	NA
Total Kjeldahl Nitrogen	N	mg/L	NA	**1.7**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorus as PO4	N	mg/L	NA	NA	**0.4**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity	N	mg/L	NA	**320**	NA	NA	NA	**180**	NA	NA	NA	NA	**166 S**	NA	NA	NA	NA	**164 B**	NA	NA	NA	NA
Alkalinity (as CaCO3)	N	mg/L	NA	NA	NA	NA	NA	**200**	NA	NA	NA	NA	**186 B**	NA	NA	NA	NA	**471 B**	NA	NA	NA	NA
Alkalinity, Bicarbonate	N	mg/L	NA	**320**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Carbonate	N	mg/L	NA	< 5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Hydroxide	N	mg/L	NA	< 5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Biological Oxygen Demand	N	mg/L	NA	**2.4**	NA	NA	NA	< 0 UJ	NA	NA	NA	NA	< 0 U	NA	NA	NA	NA	**2.05 B**	NA	NA	NA	NA
Carbon	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CBOD	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chemical Oxygen Demand	N	mg/L	NA	**14**	NA	NA	NA	< 0 U	NA	NA	NA	NA	**5 B**	NA	NA	NA	NA	**31.2**	NA	NA	NA	NA
Color	N	COLOR UNIT	NA	NA	NA	NA	NA	5	NA	NA	NA	NA	5 B	NA	NA	NA	NA	30	NA	NA	NA	NA
Color	N	PCU	NA	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	N	ug/L	NA	**2.6**	NA	NA	NA	< 0 U	NA	NA	NA	NA	< 0 U	NA	NA	NA	NA	< 0 U	NA	NA	NA	NA
Hardness (as CaCO3)	N	mg/L	NA	**280**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	N	PH UNITS	NA	NA	NA	NA	6.01 [7.76 [5.82	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids	N	mg/L	NA	**420**	**270**	NA	NA	**520**	NA	NA	NA	NA	**455 SB**	NA	NA	NA	NA	**594 S**	NA	NA	NA	NA
Total Dissolved Solids	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	NA	NA	NA	NA	NA	**3.4 J**	NA	NA	NA	NA	**0.78 SF**	NA	NA	NA	NA	**2.01 M**	NA	NA	NA	NA
Total Organic Carbon 2	N	mg/L	NA	**2.6**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002
		Sample Date	12/15/2004	3/23/2005	6/22/2005	12/13/2005	6/26/2006	1/2/2007	7/10/2007	12/4/2007	6/23/2009	12/8/2009	6/21/2010	6/21/2010	12/6/2010	12/6/2010	6/22/2011	12/6/2011	6/21/2012	6/20/2013	6/17/2014	6/17/2014
		Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD
Chemical	**Fraction**	**Unit**																				
Metals																						
Aluminum	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	NA	< 200 U	NA	**146 F**	NA	**2770 M**	NA	**49.6 F**	NA	**180 J**	NA	NA	NA	**924**	**1230**	**1660**	NA	< 200 U	NA	NA
Antimony	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	NA	< 50 U	NA	< 50 U	NA	< 50 U	NA	< 50 U	NA	**1.4 F**	NA	NA	NA	**0.88 F**	< 1 U	< 1 U	NA	< 1 U	NA	NA
Arsenic	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	ug/L	NA	< 30 U	NA	< 30 U	NA	< 30 U	NA	< 30 U	NA	< 5 U	NA	NA	NA	< 1 UM	**0.519 J**	< 1 U	NA	< 1 UJ	NA	NA
Barium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	ug/L	NA	**15.6 F**	NA	**16.8 F**	NA	**42.5 F**	NA	**12.6 F**	NA	**13**	NA	NA	NA	**19.3**	**24.7 B**	**19.6**	NA	**25.4**	NA	NA
Beryllium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	NA	< 4 U	NA	< 4 U	NA	< 4 U	NA	< 4 U	NA	< 1 U	NA	NA	NA	< 2 U	< 2 U	**0.619 F**	NA	< 2 U	NA	NA
Boron	T	ug/L	NA	**14 F**	NA	NA	NA	**6.28 F**	NA	**14.3 F**	NA	**13**	NA	NA	NA	**74 F**	< 100 U	< 100 U	NA	< 100 U	NA	NA
Cadmium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	ug/L	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 1 U	**0.1 F**	NA	< 0.6 U	NA	< 0.6 U	< 0.6 U	< 0.6 U	< 0.6 U	< 0.6 U	< 0.6 U	< 0.6 U
Calcium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	**75242 M**	**66270 M**	**74000 M**	**57000**	**74300**	**94800**	**64900 M**	**43200**	**67000**	**58000 M**	**49800 M**	NA	**33500 M**	NA	**67200 B**	**56100**	**80500 M**	**91500 M**	**44800 M**	**44000 M**
Chromium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	ug/L	NA	**2 J**	NA	**3.99 J**	NA	**1.8 F**	NA	**2.42 F**	NA	**1.6 F**	NA	NA	NA	**2.99 M**	**2.48 M**	**4.84**	NA	**1.57 M**	**3.04 M**	**2.09 M**
Chromium VI	D	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1 U	NA	< 0.01 U	NA	< 0.01 U	NA	NA
Chromium VI	T	mg/L	NA	< 0.5 U	NA	R	NA	< 0.01 U	NA	R	NA	**0.0012 F**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	NA	< 60 U	NA	< 60 U	NA	< 60 U	NA	< 60 U	NA	**0.16 F**	NA	NA	NA	< 1 UM	**0.528 F**	**0.986 F**	NA	< 1 UJ	NA	NA
Copper	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	NA	R	NA	< 10 U	NA	**2.23 F**	NA	< 10 U	NA	**1.1**	NA	NA	NA	< 5 U	**2.68 J**	< 5 U	NA	< 5 U	NA	NA
Iron	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	**355 J**	**16 J**	**150 M**	**302 J**	**23.2 J**	**3930 J**	**771 M**	**17.8 F**	**160 M**	**190**	**999 M**	NA	NA	**680 M**	**1460 M**	**2240**	**106 M**	**79.5 M**	**165**	**154**
Lead	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	ug/L	< 25 U	R	R	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	**0.27 F**	**0.44 F**	NA	**1.5**	NA	**1.42**	**1.32**	**1.27**	< 1 U	< 1 U	< 1 U	< 1 U
Magnesium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	**21656**	**19570**	**21000**	**16400**	**20600**	**26700**	**18800**	**12500**	**19000**	**16000**	**11900 M**	NA	NA	**8200**	**17300 B**	**14300**	**19100 M**	**24100**	**12800 M**	**12500 M**
Manganese	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	**11**	R	**3.3 F**	**4.37 J**	< 10 U	**99.1 J**	**23 M**	< 10 U	**5.9 M**	**7.5**	**24.8 M**	NA	NA	**18 M**	**41.8 B**	**64.4**	**6.01 M**	< 10 UJ	**5.96 F**	**5.99 F**
Mercury	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	**0.066 F**	NA	NA	NA	< 0.2 U	< 0.2 U	< 0.2 U	NA	< 0.2 U	NA	NA
Nickel	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	NA	R	NA	R	NA	**2.71 F**	NA	< 20 U	NA	**0.9 F**	NA	NA	NA	**2.48 M**	**2.15 M**	**3.82 F**	NA	**4.58 M**	NA	NA
Potassium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	**1397 J**	**1470 J**	**1500 J**	**1640 J**	**1650**	**2550 J**	**1810 J**	**1460**	**1300**	**1200**	**1700 M**	NA	NA	**2180**	**1750 B**	**1920**	**2000**	**2970**	**2340 M**	**2160 M**
Selenium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	NA	< 30 U	NA	< 30 U	NA	< 30 U	NA	< 30 U	NA	**0.78 F**	NA	NA	NA	< 1 U	< 1 U	< 1 U	NA	**0.719 F**	NA	NA
Silver	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	NA	< 10 U	NA	< 10 U	NA	< 10 U	NA	< 10 U	NA	< 1 UM	NA	NA	NA	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA	NA
Sodium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	**169655 M**	**179000**	**170000 M**	**203000**	**200000**	**207000 J**	**207000 M**	**209000**	**74000 M**	**67000**	**41500 M**	NA	**38900 M**	NA	**62500 B**	**47400**	**97000 M**	**198000**	**117000**	**116000**
Thallium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	NA	< 80 U	NA	< 80 U	NA	< 80 U	NA	< 80 U	NA	< 1 U	NA	NA	NA	< 0.2 UM	< 0.2 U	< 0.2 U	NA	< 0.2 U	NA	NA
Vanadium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	NA	R	NA	< 10 U	NA	**5.53 F**	NA	**0.76 F**	NA	**0.67 F**	NA	NA	NA	**1.14 M**	**1.5**	**3.13**	NA	< 1 UM	NA	NA
Zinc	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	NA	**5 F**	NA	**83.1**	NA	**12.9 F**	NA	**29.4 J**	NA	**15 M**	NA	NA	NA	**7.29 F**	**14.4 F**	**14.5 F**	NA	**5.49 F**	NA	NA
Total Recoverable Phenolics	N	mg/L	NA	< 0.005 U	NA	< 0.005 U	NA	< 0.005 U	NA	< 0.005 U	NA	< 0.05 UM	NA	NA	NA	< 0.0056 U	NA	< 0.005 U	NA	< 0.005 U	NA	NA
VOCs																						
1,1,1-Trichloroethane	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
1,1,2,2-Tetrachloroethane	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
1,1,2-trichloro-1,2,2-trifluoroethane	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	NA
1,1,2-Trichloroethane	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
1,1-Dichloroethane	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
1,1-Dichloroethene	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
1,2,3-Trichloropropane	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
1,2,3-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
1,2,4-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	N	ug/L	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 2 U	NA	NA	NA	< 2 U	NA	< 2 U	NA	< 2 U	NA	NA
1,2-Dibromoethane	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
1,2-Dichlorobenzene	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
1,2-Dichloroethane	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
1,2-Dichloroethene, Total	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
1,3,5-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
1,3-Dichloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
1,4-Dioxane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	N	ug/L	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 10 U	NA	NA	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002
		Sample Date	12/15/2004	3/23/2005	6/22/2005	12/13/2005	6/26/2006	1/2/2007	7/10/2007	12/4/2007	6/23/2009	12/8/2009	6/21/2010	6/21/2010	12/6/2010	12/6/2010	6/22/2011	12/6/2011	6/21/2012	6/20/2013	6/17/2014	6/17/2014
		Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD
Chemical	**Fraction**	**Unit**																				
2-Chloroethyl vinyl ether	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	N	ug/L	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 10 U	NA	NA	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	NA
Acetone	N	ug/L	NA	R	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 20 U	NA	NA	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	NA
Acrylonitrile	N	ug/L	NA	< 4 U	NA	< 4 U	NA	< 4 U	NA	< 4 U	NA	< 1 U	NA	NA	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	NA
Benzene	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
Bromochloromethane	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
Bromodichloromethane	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	**0.727 F**	NA	NA	NA	**0.574 F**	NA	**0.564 F**	NA	< 1 U	NA	NA
Bromoform	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
Bromomethane	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
Carbon Disulfide	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 5 U	NA	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
Carbon Tetrachloride	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
CFC-11	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
CFC-12	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
Chlorobenzene	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
Chlorodibromomethane	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
Chloroethane	N	ug/L	NA	< 0.5 U	NA	< 0.5 UM	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
Chloroform	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	**2.38**	NA	NA	NA	**1.64**	NA	**1.36**	NA	**0.206 F**	NA	NA
Chloromethane	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
cis-1,2-Dichloroethene	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
cis-1,3-Dichloropropene	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
Cyclohexane	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 5 U	NA	NA	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	NA
Dibromomethane	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
Dichloromethane	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 5 U	NA	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
Ethylbenzene	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
Isopropylbenzene	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
m&p-Xylenes	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	N	ug/L	NA	< 5 U	NA	< 5 U	NA	< 5 UM	NA	< 5 U	NA	< 5 U	NA	NA	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	NA
Methyl N-Butyl Ketone (2-Hexanone)	N	ug/L	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 5 UJ	NA	NA	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	NA
Methylcyclohexane	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 5 U	NA	NA	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	NA
Methyl-tert-butylether	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
n-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenolics	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
tert-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
Toluene	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	**0.12 F**	NA	< 0.5 U	NA	< 1 U	NA	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
Total Xylenes	N	ug/L	NA	< 1.5 U	NA	< 1.5 U	NA	< 1.5 U	NA	< 1.5 U	NA	< 3 U	NA	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
trans-1,2-Dichloroethene	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
trans-1,3-Dichloropropene	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
trans-1,4-Dichloro-2-butene	N	ug/L	NA	< 2 U	NA	< 2 U	NA	< 2 U	NA	< 2 U	NA	< 5 U	NA	NA	NA	< 5 UJ	NA	< 5 U	NA	< 5 U	NA	NA
Trichloroethene	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
Vinyl acetate	N	ug/L	NA	R	NA	< 2 U	NA	R	NA	< 2 U	NA	< 5 U	NA	NA	NA	< 5 UJ	NA	< 5 U	NA	< 5 U	NA	NA
Vinyl chloride	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
Leachate Indicators																						
Ammonia Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromide	N	mg/L	NA	< 0 U	NA	< 0 UM	NA	< 0 UM	NA	< 0 U	NA	< 0 U	NA	NA	NA	< 0 U	NA	< 0 U	NA	< 0.6 U	NA	NA
Chloride	N	mg/L	NA	**294 M**	NA	**320 M**	NA	**410 M**	NA	**260**	NA	**110**	NA	NA	**65.3 M**	NA	NA	NA	NA	**315 J**	NA	NA
Fluoride (F-, Anion)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	N	mg/L	NA	**36.47**	NA	**45**	NA	**45 M**	NA	**39**	NA	**23 M**	NA	NA	NA	**18.9**	NA	**18.1**	NA	**40**	NA	NA
Total Kjeldahl Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorus as PO4	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity	N	mg/L	NA	**172**	NA	**190**	NA	**170**	NA	**110**	NA	NA	NA	NA	NA	**184 M**	NA	**179**	NA	**242**	NA	NA
Alkalinity (as CaCO3)	N	mg/L	NA	**244**	NA	**220 B**	NA	**360**	NA	**160**	NA	**201**	NA	NA	NA	**170 M**	NA	**198**	NA	**306**	NA	NA
Alkalinity, Bicarbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Carbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Hydroxide	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Biological Oxygen Demand	N	mg/L	NA	< 0 U	NA	< 0 U	NA	< 0 U	NA	< 0 U	NA	**6.5**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	NA	NA	NA	**1.41 J**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CBOD	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**3.78 M**	NA	< 0 U	NA	< 0 U	NA	NA
Chemical Oxygen Demand	N	mg/L	NA	< 0 U	NA	**11**	NA	**20 J**	NA	R	NA	**12 J**	NA	NA	NA	**16.5 M**	NA	**18 F**	NA	< 0 U	NA	NA
Color	N	COLOR UNIT	NA	< 0 U	NA	5 U	NA	< 0 U	NA	< 0 U	NA	< 0 U	NA	NA	NA	5	NA	5	NA	< 0 U	NA	NA
Color	N	PCU	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	N	ug/L	NA	< 0 U	NA	**14**	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	**42.4**	NA	**11.3**	NA	< 1 U	NA	NA
Hardness (as CaCO3)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	N	PH UNITS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.72	NA	NA	NA	NA
Total Dissolved Solids	N	mg/L	NA	**742**	NA	**790**	NA	**1100**	NA	**710**	NA	NA	NA	NA	NA	**338**	NA	**322**	NA	**814**	NA	NA
Total Dissolved Solids	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	NA	**3 J**	NA	NA	NA	**2.8 J**	NA	**2.5**	NA	**1.2 M**	NA	NA	NA	**1.69 M**	NA	**2.04**	NA	**1.91 B**	NA	NA
Total Organic Carbon 2	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003
		Sample Date	7/6/2015	7/6/2015	8/24/2017	7/31/2018	12/7/1987	8/10/1988	1/13/1989	9/18/1991	9/18/1991	5/1/2001	5/1/2001	6/27/2001	9/27/2001	9/27/2001	12/12/2001	3/20/2002	6/20/2002	6/20/2002	9/25/2002	12/17/2002
		Sample Type	N	FD	N	N	N	N	N	N	FD	N	FD	N	N	FD	N	N	N	FD	N	N
Chemical	**Fraction**	**Unit**																				
Metals																						
Aluminum	D	ug/L	NA	NA	NA	NA	**37**	NA	< 25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	NA	NA	NA	< 70	NA	NA	NA	NA	NA	**208 J**	**127 J**	NA	NA	NA	NA	NA	**29.9 F**	**43.4 F**	< 200 U	< 200 U
Antimony	D	ug/L	NA	NA	NA	NA	**27**	NA	< 43	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	NA	NA	NA	< 1.0	NA	NA	NA	NA	NA	< 4.1 U	< 4.1 U	NA	NA	NA	NA	NA	**10.4 F**	**10 F**	< 50 U	< 50 U
Arsenic	D	ug/L	NA	NA	NA	NA	**20**	NA	< 25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	ug/L	NA	NA	NA	< 1.0	NA	NA	NA	NA	NA	< 4.4 U	**10.5 J**	NA	NA	NA	NA	NA	**13 F**	**11 F**	**9 F**	< 30 U
Barium	D	ug/L	NA	NA	NA	NA	**194**	NA	< 200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	ug/L	NA	NA	NA	**16**	NA	NA	NA	NA	NA	**16.9 B**	**32**	NA	NA	NA	NA	NA	**43.6**	**44.2**	**53.7 J**	**43 F**
Beryllium	D	ug/L	NA	NA	NA	NA	< 5	NA	**172**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	NA	NA	NA	< 0.30	NA	NA	NA	NA	NA	**0.23 B**	< 0.1 U	NA	NA	NA	NA	NA	< 5 U	< 5 U	< 5 U	< 4 U
Boron	T	ug/L	NA	NA	NA	< 15	NA	NA	NA	NA	NA	**46.5 B**	**52.9 B**	NA	NA	NA	NA	NA	**27.9 F**	**27.7 F**	**34 F**	**16.3 F**
Cadmium	D	ug/L	NA	NA	NA	NA	< 5	NA	< 1.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	ug/L	< 0.6 U	< 0.6 U	< 1.0	< 1.0	NA	NA	NA	NA	NA	< 0.4 U	< 0.4 U	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	< 5 U
Calcium	D	ug/L	NA	NA	NA	NA	**130000**	NA	< 4.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	**56300 M**	**56800 M**	**85000**	**71000**	NA	NA	NA	NA	NA	**38700 J**	**67600 J**	**78603 M**	**115399 M**	**113889 M**	**105516 J**	**109948 MJ**	**94039 M**	**96232 M**	**106816 M**	**104485**
Chromium	D	ug/L	NA	NA	NA	NA	< 10	NA	**121000**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	ug/L	< 2 U	**1.14 F**	< 1.8	**1.2**	NA	NA	NA	NA	NA	**4.4 B**	**2 B**	NA	NA	NA	NA	NA	< 10 U	< 10 U	**1.4 F**	**1.8 F**
Chromium VI	D	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium VI	T	mg/L	NA	NA	NA	< 0.010	NA	NA	NA	NA	NA	< 0.01 UJ	< 0.01 UJ	NA	NA	NA	NA	NA	< 0.01 U	< 0.01 U	NA	NA
Cobalt	D	ug/L	NA	NA	NA	NA	**17**	NA	< 5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	NA	NA	NA	**0.055**	NA	NA	NA	NA	NA	**3 B**	**1.3 B**	NA	NA	NA	NA	NA	**2.17 F**	**2.27 F**	< 6 U	**5.7 F**
Copper	D	ug/L	NA	NA	NA	NA	**17**	NA	**6.4**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	NA	NA	NA	< 1.8	NA	NA	NA	NA	NA	**9 B**	**6.5 B**	NA	NA	NA	NA	NA	< 10 U	< 10 U	< 10 U	< 10 U
Iron	D	ug/L	NA	NA	NA	NA	**23700**	NA	**4.8**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	**52.6 F**	**66.2 F**	< 85	< 85	NA	NA	NA	NA	NA	**20300**	**22900**	**30481**	**40623**	**36146**	**25440 J**	**24516**	**35118 M**	**35560 M**	**41553 J**	**50822**
Lead	D	ug/L	NA	NA	NA	NA	< 5	NA	< 0.91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	ug/L	< 1 U	< 1 U	< 0.70	< 0.70	NA	NA	NA	NA	NA	< 2.1 U	< 2.1 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U
Magnesium	D	ug/L	NA	NA	NA	NA	**29200**	NA	**230**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	**16400**	**16400**	**22000**	**18000**	NA	NA	NA	NA	NA	**7380 J**	**13300 J**	**16324**	**24684**	**25093**	**21627**	**25718**	**23686 M**	**23992 M**	**26085**	**21215**
Manganese	D	ug/L	NA	NA	NA	NA	**297**	NA	**23400**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	< 10 U	< 10 U	**1.3**	< 0.95	NA	NA	NA	NA	NA	**671**	**644**	**1089**	**1295**	**1116**	**605 B**	**578**	**1016**	**1037**	**1077**	**2223**
Mercury	D	ug/L	NA	NA	NA	NA	NA	NA	< 0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	NA	NA	NA	< 0.080	NA	NA	NA	NA	NA	< 0.1 U	< 0.1 U	NA	NA	NA	NA	NA	< 1 UM	< 1 UM	NA	NA
Nickel	D	ug/L	NA	NA	NA	NA	< 40	NA	**176**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	NA	NA	NA	< 1.0	NA	NA	NA	NA	NA	**3.3 B**	< 2.7 U	NA	NA	NA	NA	NA	< 10 U	< 10 U	RU	< 20 U
Potassium	D	ug/L	NA	NA	NA	NA	**32100**	NA	**28500**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	**2000**	**1970**	**2500**	**2100**	NA	NA	NA	NA	NA	**2600 J**	**4250 J**	**4378 J**	**7068 J**	**6991 J**	**5978**	**5536**	**4473**	**4532**	**5698**	**4430**
Selenium	D	ug/L	NA	NA	NA	NA	< 5	NA	**21**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	NA	NA	NA	< 2.0	NA	NA	NA	NA	NA	< 9.9 U	< 9.9 U	NA	NA	NA	NA	NA	< 30 U	< 30 U	< 30 U	< 30 U
Silver	D	ug/L	NA	NA	NA	NA	NA	NA	< 4.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	NA	NA	NA	< 0.10	NA	NA	NA	NA	NA	< 0.9 U	< 0.9 U	NA	NA	NA	NA	NA	< 10 U	< 10 U	< 10 U	< 10 U
Sodium	D	ug/L	NA	NA	NA	NA	**33900**	NA	**21600**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	**123000**	**122000**	**130000**	**130000**	NA	NA	NA	NA	NA	**12600 J**	**27700 J**	**23451**	**60251**	**59500**	**64881**	**62725 M**	**45926 M**	**46445 M**	**55025 M**	**44473**
Thallium	D	ug/L	NA	NA	NA	NA	NA	NA	< 2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	NA	NA	NA	< 0.20	NA	NA	NA	NA	NA	< 4.3 U	< 4.3 U	NA	NA	NA	NA	NA	**11.3 F**	**11.4 F**	**10.5 F**	**25.8 F**
Vanadium	D	ug/L	NA	NA	NA	NA	**13**	NA	< 2.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	NA	NA	NA	< 2.0	NA	NA	NA	NA	NA	**1.6 B**	**1.5 B**	NA	NA	NA	NA	NA	< 10 U	< 10 U	< 10 U	< 10 U
Zinc	D	ug/L	NA	NA	NA	NA	**13**	NA	**20**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	NA	NA	NA	< 8.0	NA	NA	NA	NA	NA	**18.4**	**12.2**	NA	NA	NA	NA	NA	**6.3 F**	< 10 U	**2.9 F**	**4.6 F**
Total Recoverable Phenolics	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.005 UJ	< 0.005 UJ	NA	NA	NA	NA	NA	< 0.005 UM	**0.0146 M**	NA	NA
VOCs																						
1,1,1-Trichloroethane	N	ug/L	NA	NA	NA	< 0.40	NA	NA	< 5 [< 0.3]	< 1	< 1	< 1 U	< 1 U	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	NA
1,1,2,2-Tetrachloroethane	N	ug/L	NA	NA	NA	< 0.80	NA	NA	< 5 [< 0.3]	< 1	< 1	< 1 U	< 1 U	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	NA
1,1,2-trichloro-1,2,2-trifluoroethane	N	ug/L	NA	NA	NA	< 1.6	NA	NA	< 1	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	NA
1,1,2-Trichloroethane	N	ug/L	NA	NA	NA	< 0.80	NA	NA	< 5 [< 0.2]	< 1	< 1	< 1 U	< 1 U	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	NA
1,1-Dichloroethane	N	ug/L	NA	NA	NA	< 0.80	NA	NA	< 5 [< 0.4]	**1**	**1**	< 1 U	< 1 U	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	NA
1,1-Dichloroethene	N	ug/L	NA	NA	NA	< 0.80	NA	NA	< 5 [< 0.3]	< 1	**1**	< 1 U	< 1 U	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	NA
1,2,3-Trichloropropane	N	ug/L	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA	< 1 U	< 1 U	NA	NA	NA	NA	NA	< 1 U	< 1 U	NA	NA
1,2,3-Trimethylbenzene	N	ug/L	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	N	ug/L	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	NA
1,2,4-Trimethylbenzene	N	ug/L	NA	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	N	ug/L	NA	NA	NA	< 1.6	NA	NA	NA	NA	NA	< 1 U	< 1 U	NA	NA	NA	NA	NA	< 1 U	< 1 U	NA	NA
1,2-Dibromoethane	N	ug/L	NA	NA	NA	< 0.40	NA	NA	NA	NA	NA	< 1 U	< 1 U	NA	NA	NA	NA	NA	< 1 U	< 1 U	NA	NA
1,2-Dichlorobenzene	N	ug/L	NA	NA	NA	< 0.40	NA	NA	< 1	NA	NA	< 1 U	< 1 U	NA	NA	NA	NA	NA	**0.34 F**	**0.28 F**	NA	NA
1,2-Dichloroethane	N	ug/L	NA	NA	NA	< 0.40	NA	NA	**< 5 [0.4]**	< 1	< 1	< 1 U	< 1 U	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	NA
1,2-Dichloroethene, Total	N	ug/L	NA	NA	NA	NA	< 5	< 5	**< 5 [0.6]**	< 1	< 1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	N	ug/L	NA	NA	NA	< 0.40	< 5	< 5	< 5 [< 0.2]	< 1	< 1	< 1 U	< 1 U	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	NA
1,3,5-Trimethylbenzene	N	ug/L	NA	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	N	ug/L	NA	NA	NA	< 0.40	NA	NA	< 1	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	NA
1,3-Dichloropropane	N	ug/L	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	N	ug/L	NA	NA	NA	< 0.40	NA	NA	< 1	NA	NA	**0.74 J**	**0.8 J**	NA	NA	NA	NA	NA	**1.85**	**1.56**	NA	NA
1,4-Dioxane	N	ug/L	NA	NA	NA	< 160	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	N	ug/L	NA	NA	NA	< 4.0	**36**	< 10	**70**	< 2	< 2	NA	NA	NA	NA	NA	NA	NA	< 5 UM	< 5 UM	NA	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003
		Sample Date	7/6/2015	7/6/2015	8/24/2017	7/31/2018	12/7/1987	8/10/1988	1/13/1989	9/18/1991	9/18/1991	5/1/2001	5/1/2001	6/27/2001	9/27/2001	9/27/2001	12/12/2001	3/20/2002	6/20/2002	6/20/2002	9/25/2002	12/17/2002
		Sample Type	N	FD	N	N	N	N	N	N	FD	N	FD	N	N	FD	N	N	N	FD	N	N
Chemical	**Fraction**	**Unit**																				
2-Chloroethyl vinyl ether	N	ug/L	NA	NA	NA	NA	NA	NA	< 0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	N	ug/L	NA	NA	NA	< 3.2	< 10	< 10	< 10	< 2	< 2	< 2 U	< 2 U	NA	NA	NA	NA	NA	< 5 U	< 5 U	NA	NA
Acetone	N	ug/L	NA	NA	NA	**5.1**	< 10	< 10	< 10	< 2	< 2	NA	NA	NA	NA	NA	NA	NA	< 10 UM	< 10 UM	NA	NA
Acrylonitrile	N	ug/L	NA	NA	NA	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5 U	< 5 U	NA	NA
Benzene	N	ug/L	NA	NA	NA	< 0.40	**13**	< 5	**14**	**10**	< 1	**0.32 J**	**0.36 J**	NA	NA	NA	NA	NA	**1.35**	**1.12**	NA	NA
Bromochloromethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1 U	< 1 U	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	NA
Bromodichloromethane	N	ug/L	NA	NA	NA	< 0.40	< 5	< 5	< 5 [< 0.4]	< 1	< 1	< 1 U	< 1 U	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	NA
Bromoform	N	ug/L	NA	NA	NA	< 0.40	NA	NA	< 5 [< 0.5]	< 1	< 1	< 1 U	< 1 U	NA	NA	NA	NA	NA	< 1 U	< 1 U	NA	NA
Bromomethane	N	ug/L	NA	NA	NA	< 0.80	NA	NA	< 10 [< 0.5]	< 2	< 2	< 2 U	< 2 U	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	NA
Carbon Disulfide	N	ug/L	NA	NA	NA	< 1.6	NA	NA	< 5	< 1	< 1	< 1 U	< 1 U	NA	NA	NA	NA	NA	< 5 U	< 5 U	NA	NA
Carbon Tetrachloride	N	ug/L	NA	NA	NA	< 0.40	NA	NA	< 5 [< 0.3]	< 1	< 1	< 1 U	< 1 U	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	NA
CFC-11	N	ug/L	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA	< 1 U	< 1 U	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	NA
CFC-12	N	ug/L	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	NA
Chlorobenzene	N	ug/L	NA	NA	NA	< 0.40	**1.4**	< 5	**1 [< 0.4]**	**6**	**7**	**1.1**	**1.3**	NA	NA	NA	NA	NA	**2.75**	**2.36**	NA	NA
Chlorodibromomethane	N	ug/L	NA	NA	NA	< 0.40	NA	NA	< 5 [< 0.4]	< 1	< 1	< 1 U	< 1 U	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	NA
Chloroethane	N	ug/L	NA	NA	NA	< 1.6	NA	NA	**< 10 [0.7]**	< 2	< 2	< 2 U	< 2 U	NA	NA	NA	NA	NA	**0.42 F**	**0.46 F**	NA	NA
Chloroform	N	ug/L	NA	NA	NA	**0.16**	< 5	< 5	< 5 [< 0.2]	< 1	< 1	< 1 U	< 1 U	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	NA
Chloromethane	N	ug/L	NA	NA	NA	< 0.80	NA	NA	< 10 [< 0.5]	< 2	< 2	< 2 U	< 2 U	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	NA
cis-1,2-Dichloroethene	N	ug/L	NA	NA	NA	< 0.40	NA	NA	NA	NA	NA	< 1 U	< 1 U	NA	NA	NA	NA	NA	**0.46 F**	**0.45 F**	NA	NA
cis-1,3-Dichloropropene	N	ug/L	NA	NA	NA	< 0.40	NA	NA	< 5 [< 0.3]	< 1	< 1	< 1 U	< 1 U	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	NA
Cyclohexane	N	ug/L	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	NA
Dibromomethane	N	ug/L	NA	NA	NA	< 0.40	NA	NA	NA	NA	NA	< 1 U	< 1 U	NA	NA	NA	NA	NA	< 1 U	< 1 U	NA	NA
Dichloromethane	N	ug/L	NA	NA	NA	< 0.80	**2**	**3**	< 5 [< 1]	< 1	< 1	< 1 U	< 1 U	NA	NA	NA	NA	NA	< 1 U	< 1 U	NA	NA
Ethylbenzene	N	ug/L	NA	NA	NA	< 0.40	**35**	< 5	**13**	**20**	**28**	< 1 U	< 1 U	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	NA
Isopropylbenzene	N	ug/L	NA	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.07 F**	**0.06 F**	NA	NA
m&p-Xylenes	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	N	ug/L	NA	NA	NA	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5 U	< 5 U	NA	NA
Methyl N-Butyl Ketone (2-Hexanone)	N	ug/L	NA	NA	NA	< 4.0	< 10	< 10	< 10	< 2	< 2	< 2 U	< 2 U	NA	NA	NA	NA	NA	< 5 U	< 5 U	NA	NA
Methylcyclohexane	N	ug/L	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	NA
Methyl-tert-butylether	N	ug/L	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA	< 1 U	< 1 U	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	NA
n-Butylbenzene	N	ug/L	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	N	ug/L	NA	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenolics	N	mg/L	NA	NA	NA	**0.0092**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	N	ug/L	NA	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	N	ug/L	NA	NA	NA	< 0.40	NA	NA	< 5	< 1	< 1	< 1 U	< 1 U	NA	NA	NA	NA	NA	< 1 U	< 1 U	NA	NA
tert-Butylbenzene	N	ug/L	NA	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	N	ug/L	NA	NA	NA	< 0.40	< 5	< 5	< 5 [< 0.2]	< 1	< 1	< 1 U	< 1 U	NA	NA	NA	NA	NA	< 1 U	< 1 U	NA	NA
Toluene	N	ug/L	NA	NA	NA	< 0.40	**3.2**	< 5	**2**	**1**	**2**	< 1 U	< 1 U	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	NA
Total Xylenes	N	ug/L	NA	NA	NA	< 0.80	**63**	**8**	**72**	**27**	**35**	< 1 U	< 1 U	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	NA
trans-1,2-Dichloroethene	N	ug/L	NA	NA	NA	< 0.40	NA	NA	NA	NA	NA	< 1 U	< 1 U	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	NA
trans-1,3-Dichloropropene	N	ug/L	NA	NA	NA	< 0.40	NA	NA	< 5 [< 0.3]	< 1	< 1	< 1 U	< 1 U	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	NA
trans-1,4-Dichloro-2-butene	N	ug/L	NA	NA	NA	< 1.6	NA	NA	NA	NA	NA	< 1 U	< 1 U	NA	NA	NA	NA	NA	< 5 U	< 5 U	NA	NA
Trichloroethene	N	ug/L	NA	NA	NA	< 0.40	< 5	< 5	< 5 [< 0.5]	< 1	< 1	< 1 U	< 1 U	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	NA
Vinyl acetate	N	ug/L	NA	NA	NA	< 2.0	NA	NA	< 10	< 2	< 2	< 4 U	< 4 U	NA	NA	NA	NA	NA	< 5 U	< 5 U	NA	NA
Vinyl chloride	N	ug/L	NA	NA	NA	< 0.20	**16**	**29**	**31 [17]**	**11**	**16**	**0.37 J**	**0.42 J**	NA	NA	NA	NA	NA	**1.09**	**1**	NA	NA
Leachate Indicators																						
Ammonia Nitrogen	N	mg/L	NA	NA	NA	**0.035**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromide	N	mg/L	NA	NA	NA	**0.11**	< 1	NA	NA	NA	NA	< 0 U	< 0 U	NA	NA	NA	NA	NA	< 0 U	< 0 U	NA	NA
Chloride	N	mg/L	NA	NA	NA	**190**	**35**	NA	NA	NA	NA	**14.5**	**16.2**	NA	NA	NA	NA	NA	**84.7 J**	**152 J**	NA	NA
Fluoride (F-, Anion)	N	mg/L	NA	NA	NA	NA	**0.17**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	N	mg/L	NA	NA	NA	**2.3**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	N	mg/L	NA	NA	NA	**34**	**1.6**	NA	NA	NA	NA	**5.72**	**5.65**	NA	NA	NA	NA	NA	**13.5**	**12.3**	NA	NA
Total Kjeldahl Nitrogen	N	mg/L	NA	NA	NA	< 0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorus as PO4	N	mg/L	NA	NA	NA	NA	**0.4**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity	N	mg/L	NA	NA	NA	**160**	NA	NA	NA	NA	NA	< 0 U	< 0 U	NA	NA	NA	NA	NA	**347 S**	**346 S**	NA	NA
Alkalinity (as CaCO3)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	**117 J**	**211 J**	NA	NA	NA	NA	NA	**333 B**	**364 B**	NA	NA
Alkalinity, Bicarbonate	N	mg/L	NA	NA	NA	**160**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Carbonate	N	mg/L	NA	NA	NA	< 5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Hydroxide	N	mg/L	NA	NA	NA	< 5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Biological Oxygen Demand	N	mg/L	NA	NA	NA	< 0.59	NA	NA	NA	NA	NA	**12**	**12**	NA	NA	NA	NA	NA	**17.6**	**17.1**	NA	NA
Carbon	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CBOD	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chemical Oxygen Demand	N	mg/L	NA	NA	NA	**4.7**	NA	NA	NA	NA	NA	**32**	**37**	NA	NA	NA	NA	NA	**25 B**	**27.5 B**	NA	NA
Color	N	COLOR UNIT	NA	NA	NA	NA	NA	NA	NA	NA	NA	10	< 0 U	NA	NA	NA	NA	NA	100 B	90 B	NA	NA
Color	N	PCU	NA	NA	NA	< 5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	N	ug/L	NA	NA	NA	**2**	NA	NA	NA	NA	NA	< 0 U	< 0 U	NA	NA	NA	NA	NA	< 0 U	< 0 U	NA	NA
Hardness (as CaCO3)	N	mg/L	NA	NA	NA	**240**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	N	PH UNITS	NA	NA	NA	NA	NA	NA	5.5 [5 [5]	6.4 [6.4 [6.4]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids	N	mg/L	NA	NA	NA	**550**	**520**	NA	NA	NA	NA	**170**	**190**	NA	NA	NA	NA	NA	**587 SB**	**501 SB**	NA	NA
Total Dissolved Solids	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	**6.6 J**	**7.5 J**	NA	NA	NA	NA	NA	**4.31 S**	**3.82 S**	NA	NA
Total Organic Carbon 2	N	mg/L	NA	NA	NA	< 0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003
		Sample Date	3/19/2003	6/23/2003	9/24/2003	9/24/2003	1/14/2004	1/14/2004	3/24/2004	3/24/2004	6/29/2004	6/29/2004	9/23/2004	9/23/2004	12/16/2004	12/16/2004	3/29/2005	3/29/2005	6/28/2005	12/15/2005	12/15/2005	6/28/2006
		Sample Type	N	N	N	FD	N	FD	N	FD	N	FD	N	FD	N	FD	N	FD	N	N	FD	N
Chemical	**Fraction**	**Unit**																				
Metals																						
Aluminum	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	NA	NA	**764 M**	**747 M**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**20 F**	**30 F**	NA	**49.8 F**	**403**	NA
Antimony	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	NA	NA	< 50 U	< 50 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 50 U	< 50 U	NA	< 50 U	< 50 U	NA
Arsenic	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	ug/L	NA	NA	**18.9 F**	**16.9 F**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**7 F**	**7 F**	NA	**7.14 F**	**8.11 F**	NA
Barium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	ug/L	NA	NA	**46.7 F**	**46.7 F**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**49.8 F**	**48.6 F**	NA	**36 F**	**52.7**	NA
Beryllium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	NA	NA	< 4 U	< 4 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4 U	< 4 U	NA	< 4 U	< 4 U	NA
Boron	T	ug/L	NA	NA	**59.3 F**	**48.3 F**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**39 F**	**36 F**	NA	NA	NA	NA
Cadmium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	ug/L	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	**0.29 F**	< 5 U	< 5 U	< 5 U
Calcium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	**99132 M**	**85699 M**	**107238**	**106942**	**111105**	**108747**	**91449**	**79980**	**92745 M**	**101962 M**	**105907 M**	**89765 M**	**111821 M**	**117721 M**	**109300 M**	**108100 M**	**65000 M**	**78400**	**93100**	**88700**
Chromium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	ug/L	NA	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**2 F**	**2 F**	NA	**2.24 F**	**5.02 F**	NA
Chromium VI	D	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium VI	T	mg/L	NA	NA	**0.025 M**	**0.062 M**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	**0.01**	**0.011**	NA
Cobalt	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	NA	NA	< 60 U	< 60 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 60 U	< 60 U	NA	< 60 U	< 60 U	NA
Copper	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	NA	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA	< 10 U	< 10 U	NA
Iron	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	**36175 J**	**48707**	**36937**	**36322**	**35357**	**39095**	**41806**	**45177**	**56047**	**52519**	**48856**	**59052**	**54875 J**	**52563 J**	**63728**	**64262**	**42000 M**	**45500**	**48400**	**45200**
Lead	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	ug/L	**3.1 F**	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	**6.2 F**	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	**1 F**	< 25 U	**2.77 F**	< 25 U
Magnesium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	**20741 M**	**18682 M**	**24132**	**23862**	**24502**	**24755**	**19846 M**	**17494 M**	**21091**	**23794**	**23692**	**20030**	**22854**	**24029**	**22360**	**21870**	**11000**	**14600**	**17100**	**17000**
Manganese	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	**1106**	**1090**	**904**	**873**	**847**	**970**	**980**	**999**	**1055**	**1072**	**1073**	**1159**	**1301**	**1290**	**1383**	**1348**	**1100**	**1130**	**1210**	**1070**
Mercury	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	NA	NA	< 1 U	< 1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.02 F**	**0.02 F**	NA	< 1 U	< 1 U	NA
Nickel	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	NA	NA	< 20 U	< 20 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20 U	< 20 U	NA	< 20 U	**1.68 F**	NA
Potassium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	**3756**	**3514**	**3982**	**4030**	**3985**	**4057**	**3637**	**3442**	**3056**	**3162**	**2912**	**2825**	**3885 J**	**4067 J**	**3970**	**3820**	**2600**	**3520 J**	**4600 J**	**2890**
Selenium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	NA	NA	**13.6 F**	**12.4 F**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 30 U	**2 F**	NA	< 30 U	**2.88 F**	NA
Silver	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	NA	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**1 F**	**1 F**	NA	< 10 U	< 10 U	NA
Sodium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	**78268 M**	**44615 M**	**76246**	**77727**	**64816**	**60302**	**31112 M**	**20158 M**	**15000 J**	**20376 J**	**21298 M**	**14327 M**	**33569 M**	**36369 M**	**24880**	**22440**	**7600 M**	**18700 J**	**36100 J**	**28200**
Thallium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	NA	NA	< 80 U	< 80 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 80 U	< 80 U	NA	< 80 U	< 80 U	NA
Vanadium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	NA	NA	**4.6 F**	**3.4 F**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA	< 10 U	**1.78 F**	NA
Zinc	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	NA	NA	**13 F**	**11 F**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**14 F**	**12 F**	NA	**315 J**	**139 J**	NA
Total Recoverable Phenolics	N	mg/L	NA	NA	**0.0124 J**	**0.0089 J**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.0057**	< 0.005 U	NA	< 0.005 U	< 0.005 U	NA
VOCs																						
1,1,1-Trichloroethane	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA
1,1,2,2-Tetrachloroethane	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA
1,1,2-trichloro-1,2,2-trifluoroethane	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA
1,1,2-Trichloroethane	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA
1,1-Dichloroethane	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA
1,1-Dichloroethene	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA
1,2,3-Trichloropropane	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA
1,2,3-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA
1,2,4-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	N	ug/L	NA	NA	< 1 U	< 1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1 U	< 1 U	NA	< 1 U	< 1 U	NA
1,2-Dibromoethane	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA
1,2-Dichlorobenzene	N	ug/L	NA	NA	**0.28 F**	**0.28 F**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.51**	**0.45 F**	NA	**0.17 F**	**0.17 F**	NA
1,2-Dichloroethane	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA
1,2-Dichloroethene, Total	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA
1,3,5-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA
1,3-Dichloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	N	ug/L	NA	NA	**1.53**	**1.51**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**2.09**	**1.92**	NA	**0.88**	**0.94**	NA
1,4-Dioxane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	N	ug/L	NA	NA	< 5 U	< 5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5 U	< 5 U	NA	R	R	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003
		Sample Date	3/19/2003	6/23/2003	9/24/2003	9/24/2003	1/14/2004	1/14/2004	3/24/2004	3/24/2004	6/29/2004	6/29/2004	9/23/2004	9/23/2004	12/16/2004	12/16/2004	3/29/2005	3/29/2005	6/28/2005	12/15/2005	12/15/2005	6/28/2006
		Sample Type	N	N	N	FD	N	FD	N	FD	N	FD	N	FD	N	FD	N	FD	N	N	FD	N
Chemical	**Fraction**	**Unit**																				
2-Chloroethyl vinyl ether	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	N	ug/L	NA	NA	< 5 U	< 5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5 U	< 5 U	NA	< 5 U	< 5 U	NA
Acetone	N	ug/L	NA	NA	< 5 U	< 5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5 U	< 5 U	NA	< 5 U	< 5 U	NA
Acrylonitrile	N	ug/L	NA	NA	< 5 U	< 5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4 U	< 4 U	NA	< 4 U	< 4 U	NA
Benzene	N	ug/L	NA	NA	**1.53**	**1.53**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.98 J**	**0.68 J**	NA	**0.48 F**	**0.48 F**	NA
Bromochloromethane	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA
Bromodichloromethane	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA
Bromoform	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA
Bromomethane	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA
Carbon Disulfide	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA
Carbon Tetrachloride	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA
CFC-11	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA
CFC-12	N	ug/L	NA	NA	**0.96**	**0.92**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA
Chlorobenzene	N	ug/L	NA	NA	**5.96**	**5.77**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**6.55 J**	**4.4 J**	NA	**1.03**	**1.1**	NA
Chlorodibromomethane	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA
Chloroethane	N	ug/L	NA	NA	**0.48 F**	**0.44 F**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.79**	**0.81**	NA	**0.65 M**	**0.96 M**	NA
Chloroform	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA
Chloromethane	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA
cis-1,2-Dichloroethene	N	ug/L	NA	NA	**0.45 F**	**0.43 F**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.34 F**	**0.3 F**	NA	**0.14 F**	**0.15 F**	NA
cis-1,3-Dichloropropene	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA
Cyclohexane	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA
Dibromomethane	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA
Dichloromethane	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA
Ethylbenzene	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA
Isopropylbenzene	N	ug/L	NA	NA	**0.08 F**	**0.08 F**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.13 F**	**0.11 F**	NA	< 0.5 U	< 0.5 U	NA
m&p-Xylenes	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	N	ug/L	NA	NA	< 5 U	< 5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5 U	< 5 U	NA	< 5 U	< 5 U	NA
Methyl N-Butyl Ketone (2-Hexanone)	N	ug/L	NA	NA	< 5 U	< 5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5 U	< 5 U	NA	< 5 U	< 5 U	NA
Methylcyclohexane	N	ug/L	NA	NA	**0.17 F**	**0.16 F**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.2 F**	**0.17 F**	NA	< 0.5 U	< 0.5 U	NA
Methyl-tert-butylether	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**2.03**	**1.77**	NA	< 0.5 U	< 0.5 U	NA
n-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenolics	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA
tert-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA
Toluene	N	ug/L	NA	NA	**0.22 F**	**0.22 F**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.1 F**	< 0.5 U	NA	**0.16 F**	**0.19 F**	NA
Total Xylenes	N	ug/L	NA	NA	< 1.5 U	< 1.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.37 F**	**0.3 F**	NA	**0.2 F**	**0.23 F**	NA
trans-1,2-Dichloroethene	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA
trans-1,3-Dichloropropene	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA
trans-1,4-Dichloro-2-butene	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2 U	< 2 U	NA	< 2 U	< 2 U	NA
Trichloroethene	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA
Vinyl acetate	N	ug/L	NA	NA	< 5 U	< 5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2 U	< 2 U	NA	R	R	NA
Vinyl chloride	N	ug/L	NA	NA	**2.07**	**2.04**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**1.41**	**1.37**	NA	**1.14**	**1.19**	NA
Leachate Indicators																						
Ammonia Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromide	N	mg/L	NA	NA	< 0 U	< 0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0 U	< 0 U	NA	< 0 UM	< 0 UM	NA
Chloride	N	mg/L	NA	NA	**129 J**	**190 J**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**45.81 M**	**25.89 M**	NA	**30 M**	**39 M**	NA
Fluoride (F-, Anion)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	N	mg/L	NA	NA	**17.3**	**16.9**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**5.05**	**5.39**	NA	**4.1 J**	**5.2 J**	NA
Total Kjeldahl Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorus as PO4	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity	N	mg/L	NA	NA	**344 B**	**346 B**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**430**	**376**	NA	**260**	**280**	NA
Alkalinity (as CaCO3)	N	mg/L	NA	NA	**545 B**	**554 B**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**392**	**412**	NA	**250 B**	**290 B**	NA
Alkalinity, Bicarbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Carbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Hydroxide	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Biological Oxygen Demand	N	mg/L	NA	NA	**13.38 B**	**14.8 B**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**14.5**	**12**	NA	**5.2 J**	**5.4 J**	NA
Carbon	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**6.04 B**	**6.53 B**	NA
CBOD	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chemical Oxygen Demand	N	mg/L	NA	NA	< 0 U	< 0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**19.7 J**	**38 J**	NA	**25 J**	**33 J**	NA
Color	N	COLOR UNIT	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	25 J	35 J	NA	15 J	20 J	NA
Color	N	PCU	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	N	ug/L	NA	NA	< 0 U	< 0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0 U	< 0 U	NA	< 1 U	< 1 U	NA
Hardness (as CaCO3)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	N	PH UNITS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids	N	mg/L	NA	NA	**563 S**	**528 S**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**542**	**480**	NA	**370**	**360**	NA
Total Dissolved Solids	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	NA	NA	**6.11 J**	**7.51 J**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**7.1**	**6.9**	NA	NA	NA	NA
Total Organic Carbon 2	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-004	MW-23-004
		Sample Date	1/4/2007	1/4/2007	7/12/2007	12/4/2007	12/4/2007	6/25/2009	12/10/2009	6/21/2010	6/21/2010	12/8/2010	6/23/2011	12/15/2011	6/20/2012	6/26/2013	6/19/2014	7/8/2015	8/24/2017	7/31/2018	8/10/1988	1/10/1989
		Sample Type	N	FD	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**																				
Metals																						
Aluminum	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**119**
Aluminum	T	ug/L	**48.2 M**	**57.5 M**	NA	**42.6 F**	**41.6 F**	NA	**91 J**	NA	NA	**199**	**73.3 F**	**3410**	NA	< 200 U	NA	NA	NA	< 70	NA	NA
Antimony	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 43
Antimony	T	ug/L	< 50 U	< 50 U	NA	< 50 U	< 50 U	NA	**0.41 F**	NA	NA	**1.82**	< 1 U	< 1 U	NA	< 1 U	NA	NA	NA	< 1.0	NA	NA
Arsenic	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**2.7**
Arsenic	T	ug/L	**6.05 F**	**6.08 F**	NA	**5.11 F**	**5.56 F**	NA	**6.8**	NA	NA	**5.89 M**	**4.88 J**	**5.67**	NA	**6.13 J**	NA	NA	NA	**4.1**	NA	NA
Barium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**172**
Barium	T	ug/L	**44.7 F**	**44.3 F**	NA	**42.4 F**	**41.2 F**	NA	**52**	NA	NA	**40**	**22.5 B**	**61.5**	NA	**27.7**	NA	NA	NA	**38**	NA	NA
Beryllium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.1
Beryllium	T	ug/L	< 4 U	< 4 U	NA	< 4 U	< 4 U	NA	< 1 U	NA	NA	< 2 U	< 2 U	**1.47 F**	NA	< 2 U	NA	NA	NA	< 0.30	NA	NA
Boron	T	ug/L	**22.9 F**	**24.9 F**	NA	**26.9 F**	**26.4 F**	NA	**37**	NA	NA	**164**	**121 B**	**181**	NA	< 100 U	NA	NA	NA	< 15	NA	NA
Cadmium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4.3
Cadmium	T	ug/L	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 1 U	**0.08 F**	NA	< 0.6 U	< 0.6 U	< 0.6 U	< 0.6 U	< 0.6 U	< 0.6 U	< 0.6 U	< 0.6 U	< 1.0	< 1.0	NA	NA
Calcium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**28500**
Calcium	T	ug/L	**102000**	**102000**	**89700 M**	**106000**	**103000**	**87000**	**100000 M**	**75700 M**	NA	**111000 M**	**58700 B**	NA	**98000 M**	**47100 M**	**68100 M**	**80000 M**	**100000**	**110000**	NA	NA
Chromium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5
Chromium	T	ug/L	**3.28 F**	**5.27 F**	NA	**2.96 F**	**3.69 F**	NA	**0.62 F**	NA	NA	**2.35 M**	NA	**3.63**	NA	< 2 UM	< 2 UJ	< 2 U	< 1.8	< 1.8	NA	NA
Chromium VI	D	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.005 U	NA	< 0.01 U	NA	< 0.01 U	NA	NA	NA	NA	NA	NA
Chromium VI	T	mg/L	< 0.01 U	< 0.01 U	NA	< 0.01 U	< 0.01 U	NA	< 0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.010	NA	NA
Cobalt	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**6.4**
Cobalt	T	ug/L	< 60 U	< 60 U	NA	< 60 U	< 60 U	NA	**1.1**	NA	NA	**0.754 M**	**4.39 J**	**5.83**	NA	**1.32 J**	NA	NA	NA	**1.1**	NA	NA
Copper	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**4.8**
Copper	T	ug/L	< 10 U	< 10 U	NA	< 10 U	< 10 U	NA	**5.7**	NA	NA	**5.91**	**4.82 J**	< 5 U	NA	< 5 U	NA	NA	NA	< 1.8	NA	NA
Iron	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**230**
Iron	T	ug/L	**44300**	**44900**	**37400 M**	**43700**	**42600**	**28000 M**	**43000**	**30400 M**	NA	**42800 M**	**34900 M**	**65500**	**58800 M**	**31600 M**	**47900**	**46700**	**41000**	**41000**	NA	NA
Lead	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.91
Lead	T	ug/L	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 2 U	**0.55 F**	NA	**1.61**	**1.92**	< 1 U	**1.32**	< 1 U	< 1 U	< 1 U	< 1 U	< 0.70	< 0.70	NA	NA
Magnesium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**9900**
Magnesium	T	ug/L	**20100**	**20200**	**17200**	**19300**	**18900**	**15000**	**21000**	**13400 M**	NA	**18000**	**9210 B**	**18500**	**18200 M**	**10300**	**14200 M**	**17300**	**18000**	**20000**	NA	NA
Manganese	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**110**
Manganese	T	ug/L	**1190**	**1210**	**1220 M**	**1640**	**1600**	**2400 M**	**2900**	**1400 M**	NA	**1900 M**	**1250**	**1540**	**1710 M**	**580 J**	**769**	**1080**	**1700**	**1800**	NA	NA
Mercury	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.2
Mercury	T	ug/L	< 1 U	< 1 U	NA	< 1 U	< 1 U	NA	< 0.2 U	NA	NA	< 0.2 U	< 0.2 U	< 0.2 U	NA	< 0.2 U	NA	NA	NA	< 0.080	NA	NA
Nickel	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 24
Nickel	T	ug/L	**2.3 F**	**2.3 F**	NA	< 20 U	**1.15 F**	NA	**2.8**	NA	NA	**3.04 M**	**2.71 M**	**4.59**	NA	**3.21 M**	NA	NA	NA	**0.99**	NA	NA
Potassium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2360
Potassium	T	ug/L	**3490 J**	**3570 J**	**2360 J**	**3110**	**3050**	**2700**	**2900**	**1690 M**	NA	**2770**	**1750 B**	**4200**	**4520**	**2930**	**3140 M**	**3880**	**3000**	**2700**	NA	NA
Selenium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**10**
Selenium	T	ug/L	< 30 U	< 30 U	NA	< 30 U	< 30 U	NA	**0.6 F**	NA	NA	**0.57 F**	< 1 U	**0.602 F**	NA	< 1 U	NA	NA	NA	< 2.0	NA	NA
Silver	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4.3
Silver	T	ug/L	< 10 U	< 10 U	NA	< 10 U	< 10 U	NA	< 1 UM	NA	NA	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA	NA	NA	< 0.10	NA	NA
Sodium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**6500**
Sodium	T	ug/L	**59700**	**59400**	**54000 M**	**94600**	**92000**	**100000 M**	**110000**	**62600 M**	NA	**75000 M**	**28800 B**	**60700**	**52500 M**	**7420**	**10800**	**25000**	**94000**	**76000**	NA	NA
Thallium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2
Thallium	T	ug/L	< 80 U	< 80 U	NA	< 80 U	< 80 U	NA	< 1 U	NA	NA	< 0.2 UM	< 0.2 U	< 0.2 U	NA	< 0.2 U	NA	NA	NA	< 0.20	NA	NA
Vanadium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**5.5**
Vanadium	T	ug/L	< 10 U	< 10 U	NA	< 10 U	**0.75 F**	NA	**1.1 F**	NA	NA	**2.01 M**	NA	**3.39**	NA	**0.587 M**	NA	NA	NA	< 2.0	NA	NA
Zinc	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**19**
Zinc	T	ug/L	**16.7 F**	**14.3 F**	NA	**29.2 J**	**44 J**	NA	**11 M**	NA	NA	**5.63 F**	**7.53 F**	**24.2**	NA	**9 F**	NA	NA	NA	**3.3**	NA	NA
Total Recoverable Phenolics	N	mg/L	< 0.005 U	< 0.005 U	NA	< 0.005 U	< 0.005 U	NA	< 0.05 UM	NA	NA	**0.0058 B**	NA	< 0.005 U	NA	**0.014**	NA	NA	NA	NA	NA	NA
VOCs																						
1,1,1-Trichloroethane	N	ug/L	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	NA	< 5 [< 0.3]
1,1,2,2-Tetrachloroethane	N	ug/L	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.80	NA	< 5 [< 0.3]
1,1,2-trichloro-1,2,2-trifluoroethane	N	ug/L	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA	< 1 U	NA	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	NA	NA	< 1.6	NA	< 1
1,1,2-Trichloroethane	N	ug/L	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.80	NA	< 5 [< 0.2]
1,1-Dichloroethane	N	ug/L	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.80	NA	< 5 [< 0.4]
1,1-Dichloroethene	N	ug/L	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.80	NA	< 5 [< 0.3]
1,2,3-Trichloropropane	N	ug/L	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.80	NA	NA
1,2,3-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.80	NA	NA
1,2,4-Trichlorobenzene	N	ug/L	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA	< 1 UJ	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.80	NA	NA
1,2,4-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.40	NA	NA
1,2-Dibromo-3-chloropropane	N	ug/L	< 1 U	< 1 U	NA	< 1 U	< 1 U	NA	< 2 U	NA	NA	< 2 U	NA	< 2 U	NA	< 2 U	NA	NA	NA	< 1.6	NA	NA
1,2-Dibromoethane	N	ug/L	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	NA	NA
1,2-Dichlorobenzene	N	ug/L	**0.28 F**	**0.28 F**	NA	**0.21 F**	**0.21 F**	NA	< 1 U	NA	NA	< 1 U	NA	**0.476 F**	NA	**0.184 F**	NA	NA	NA	**0.83**	NA	< 1
1,2-Dichloroethane	N	ug/L	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	NA	< 5 [< 0.3]
1,2-Dichloroethene, Total	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5	< 5 [< 0.5]
1,2-Dichloropropane	N	ug/L	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	< 5	< 5 [< 0.2]
1,3,5-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.40	NA	NA
1,3-Dichlorobenzene	N	ug/L	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	NA	< 1
1,3-Dichloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.80	NA	NA
1,4-Dichlorobenzene	N	ug/L	**1.6**	**1.68**	NA	**1.56**	**1.52**	NA	**1.62**	NA	NA	**1.09**	NA	**2.26**	NA	**1.31**	NA	NA	NA	**4.4**	NA	< 1
1,4-Dioxane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 160	NA	NA
2-Butanone (MEK)	N	ug/L	< 5 U	< 5 U	NA	< 5 U	< 5 U	NA	< 10 U	NA	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	NA	NA	< 4.0	< 10	< 10

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-004	MW-23-004
		Sample Date	1/4/2007	1/4/2007	7/12/2007	12/4/2007	12/4/2007	6/25/2009	12/10/2009	6/21/2010	6/21/2010	12/8/2010	6/23/2011	12/15/2011	6/20/2012	6/26/2013	6/19/2014	7/8/2015	8/24/2017	7/31/2018	8/10/1988	1/10/1989
		Sample Type	N	FD	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**																					
2-Chloroethyl vinyl ether	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.4
4-Methyl-2-Pentanone	N	ug/L	< 5 U	< 5 U	NA	< 5 U	< 5 U	NA	< 10 U	NA	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	NA	NA	< 3.2	< 10	< 10
Acetone	N	ug/L	**1.18 F**	**1.14 F**	NA	< 5 U	< 5 U	NA	< 20 U	NA	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	NA	NA	**9.6**	< 10	< 10
Acrylonitrile	N	ug/L	< 4 U	< 4 U	NA	< 4 U	< 4 U	NA	< 1 U	NA	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	NA	NA	< 4.0	NA	NA
Benzene	N	ug/L	**1.35**	**1.38**	NA	**1.65**	**1.62**	NA	**1.29**	NA	NA	**0.894 F**	NA	**1.69**	NA	**0.394 F**	NA	NA	NA	**0.89**	< 5	< 5
Bromochloromethane	N	ug/L	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	NA	NA	NA
Bromodichloromethane	N	ug/L	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	< 5	< 5 [< 0.4]
Bromoform	N	ug/L	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	NA	< 5 [< 0.5]
Bromomethane	N	ug/L	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.80	NA	< 10 [< 0.5]
Carbon Disulfide	N	ug/L	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA	< 5 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 1.6	NA	< 5
Carbon Tetrachloride	N	ug/L	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	NA	< 5 [< 0.3]
CFC-11	N	ug/L	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.80	NA	NA
CFC-12	N	ug/L	< 0.5 U	< 0.5 U	NA	**0.56**	**0.51**	NA	**0.835 J**	NA	NA	< 1 U	NA	**0.991 F**	NA	< 1 UJ	NA	NA	NA	**0.74**	NA	NA
Chlorobenzene	N	ug/L	**2.04**	**2.07**	NA	**1.73**	**1.76**	NA	**2.14**	NA	NA	**1.3**	NA	**22.8**	NA	**2.37**	NA	NA	NA	**24**	< 5	< 5 [< 0.4]
Chlorodibromomethane	N	ug/L	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	NA	< 5 [< 0.4]
Chloroethane	N	ug/L	**0.41 F**	**0.48 F**	NA	**0.4 F**	**0.42 F**	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 1.6	NA	< 10 [< 0.5]
Chloroform	N	ug/L	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	< 5	< 5 [< 0.2]
Chloromethane	N	ug/L	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.80	NA	< 10 [< 0.5]
cis-1,2-Dichloroethene	N	ug/L	**0.28 F**	**0.3 F**	NA	**0.5**	**0.53**	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	**0.16**	NA	NA
cis-1,3-Dichloropropene	N	ug/L	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	NA	< 5 [< 0.3]
Cyclohexane	N	ug/L	**0.28 F**	**0.28 F**	NA	**0.14 F**	**0.17 F**	NA	< 5 U	NA	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	NA	NA	< 0.80	NA	NA
Dibromomethane	N	ug/L	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	NA	NA
Dichloromethane	N	ug/L	< 0.5 U	< 0.5 U	NA	**0.11 F**	< 0.5 U	NA	< 5 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.80	< 5	< 5 [< 1]
Ethylbenzene	N	ug/L	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	< 5	< 5
Isopropylbenzene	N	ug/L	< 0.5 U	< 0.5 U	NA	**0.1 F**	**0.11 F**	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	NA	NA
m&p-Xylenes	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	N	ug/L	R	R	NA	< 5 U	< 5 U	NA	< 5 U	NA	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	NA	NA	< 4.0	NA	NA
Methyl N-Butyl Ketone (2-Hexanone)	N	ug/L	< 5 U	< 5 U	NA	< 5 U	< 5 U	NA	< 5 U	NA	NA	< 5 U	NA	< 5	NA	< 5 U	NA	NA	NA	< 4.0	< 10	< 10
Methylcyclohexane	N	ug/L	**0.32 F**	**0.33 F**	NA	**0.25 F**	**0.28 F**	NA	< 5 U	NA	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	NA	NA	< 0.80	NA	NA
Methyl-tert-butylether	N	ug/L	**0.17 F**	**0.19 F**	NA	**0.25 F**	**0.25 F**	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.80	NA	NA
n-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.80	NA	NA
n-Propylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.40	NA	NA
o-Xylene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenolics	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.011**	NA	NA
sec-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.40	NA	NA
Styrene (Monomer)	N	ug/L	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	NA	< 5
tert-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.40	NA	NA
Tetrachloroethene	N	ug/L	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	< 5	< 5 [< 0.2]
Toluene	N	ug/L	**0.16 F**	**0.16 F**	NA	**0.14 F**	**0.12 F**	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	< 5	< 5
Total Xylenes	N	ug/L	**0.24 F**	**0.24 F**	NA	< 1.5 U	< 1.5 U	NA	< 3 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.80	< 5	< 5
trans-1,2-Dichloroethene	N	ug/L	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	NA	NA
trans-1,3-Dichloropropene	N	ug/L	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	NA	< 5 [< 0.3]
trans-1,4-Dichloro-2-butene	N	ug/L	< 2 U	< 2 U	NA	< 2 U	< 2 U	NA	< 5 U	NA	NA	< 5 UJ	NA	< 5 U	NA	< 5 U	NA	NA	NA	< 1.6	NA	NA
Trichloroethene	N	ug/L	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	< 5	< 5 [< 0.5]
Vinyl acetate	N	ug/L	R	R	NA	< 2 U	< 2 U	NA	< 5 U	NA	NA	< 5 UJ	NA	< 5 U	NA	< 5 U	NA	NA	NA	< 2.0	NA	< 10
Vinyl chloride	N	ug/L	**1.26**	**1.27**	NA	**1.86**	**1.8**	NA	**1.23**	NA	NA	**1.38**	NA	**1.65**	NA	**0.493 F**	NA	NA	NA	**1.0**	< 10	< 10 [< 0.3]
Leachate Indicators																							
Ammonia Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**1.4**	NA	NA
Bromide	N	mg/L	< 0 UM	< 0 UM	NA	**0.094 F**	**0.093 F**	NA	< 0 U	NA	NA	< 0 U	NA	< 0 U	NA	< 0.2 U	NA	NA	NA	< 0.20	NA	NA
Chloride	N	mg/L	**93 M**	**85 M**	NA	**110**	**110**	NA	**250**	NA	NA	**167 M**	NA	NA	NA	**8.45 J**	NA	NA	NA	**140**	NA	NA
Fluoride (F-, Anion)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.10	NA	NA
Sulfate	N	mg/L	**6.6 M**	**6.1 M**	NA	**11**	**11**	NA	**34 M**	NA	NA	**14.6**	NA	**7.83**	NA	**4.59**	NA	NA	NA	**27**	NA	NA
Total Kjeldahl Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**1.9**	NA	NA
Total Phosphorus as PO4	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity	N	mg/L	**390**	**370**	NA	**440**	**430**	NA	NA	NA	NA	**273 M**	NA	**353**	NA	**213**	NA	NA	NA	**300**	NA	NA
Alkalinity (as CaCO3)	N	mg/L	**350**	**340**	NA	**330**	**340**	NA	**338**	NA	NA	**360 M**	NA	**320**	NA	**198**	NA	NA	NA	NA	NA	NA
Alkalinity, Bicarbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**300**	NA	NA
Alkalinity, Carbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.0	NA	NA
Alkalinity, Hydroxide	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.0	NA	NA
Biological Oxygen Demand	N	mg/L	**6.4**	**7.6**	NA	**9.4**	**8.4**	NA	**15**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**5.7**	NA	NA
Carbon	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CBOD	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	**4.73 M**	NA	**6.06**	NA	< 0 U	NA	NA	NA	NA	NA	NA
Chemical Oxygen Demand	N	mg/L	**24**	**24**	NA	**15 J**	**11 J**	NA	**28 J**	NA	NA	**51.5 M**	NA	**27.6**	NA	**12.9 M**	NA	NA	NA	**11**	NA	NA
Color	N	COLOR UNIT	350	400	NA	180	180	NA	20	NA	NA	< 0 U	NA	20	NA	5	NA	NA	NA	NA	NA	NA
Color	N	PCU	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	100	NA	NA
Cyanide	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	N	ug/L	< 1 U	< 1 U	NA	< 1 U	< 1 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	**2.7**	NA	NA
Hardness (as CaCO3)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**340**	NA	NA
pH	N	PH UNITS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.17	NA	NA	NA	NA	NA	NA	NA	7.94 [7.85 [8]
Total Dissolved Solids	N	mg/L	**600**	**600**	NA	**630**	**640**	NA	NA	NA	NA	**410**	NA	**550**	NA	**224**	NA	NA	NA	**600**	NA	NA
Total Dissolved Solids	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	**4.6**	**4.1**	NA	**4.7**	**4.3**	NA	**7.5 M**	NA	NA	**25.8 M**	NA	**23.2**	NA	**2.94 B**	NA	NA	NA	NA	NA	NA
Total Organic Carbon 2	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**1.7**	NA	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004
		Sample Date	5/1/2001	6/27/2001	6/27/2001	10/1/2001	12/14/2001	12/14/2001	3/19/2002	6/18/2002	9/25/2002	9/25/2002	12/20/2002	12/20/2002	3/17/2003	3/17/2003	6/19/2003	6/19/2003	9/25/2003	1/13/2004	3/23/2004	6/24/2004
		Sample Type	N	N	FD	N	N	FD	N	N	N	FD	N	FD	N	FD	N	FD	N	N	N	N
Chemical	**Fraction**	**Unit**																				
Metals																						
Aluminum	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	**1890 J**	NA	NA	NA	NA	NA	NA	**1366**	**274 J**	**293 J**	**336 B**	**303 B**	NA	NA	NA	NA	**450 M**	NA	NA	NA
Antimony	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	< 4.1 U	NA	NA	NA	NA	NA	NA	**6.9 F**	**3.5 F**	< 50 U	< 50 U	< 50 U	NA	NA	NA	NA	< 50 U	NA	NA	NA
Arsenic	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	ug/L	< 4.4 U	NA	NA	NA	NA	NA	NA	< 30 U	< 30 U	< 30 U	**3.7 F**	< 30 U	NA	NA	NA	NA	< 30 U	NA	NA	NA
Barium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	ug/L	**16.8 B**	NA	NA	NA	NA	NA	NA	**18.1**	**9.15 J**	**8.99 J**	**9.8 F**	**8.6 F**	NA	NA	NA	NA	**11 F**	NA	NA	NA
Beryllium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	< 0.1 U	NA	NA	NA	NA	NA	NA	< 5 U	< 5 U	< 5 U	< 4 U	< 4 U	NA	NA	NA	NA	< 4 U	NA	NA	NA
Boron	T	ug/L	< 32.4 U	NA	NA	NA	NA	NA	NA	< 110 U	**5.5 F**	**19.2 F**	< 110 U	< 110 U	NA	NA	NA	NA	**15.2 F**	NA	NA	NA
Cadmium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	ug/L	< 0.4 U	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	**0.24 F**	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Calcium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	**37300**	**33876 M**	**31100 M**	**39961 M**	**35674 J**	**36212 J**	**37983 MJ**	**29628 MJ**	**32727 M**	**32834 M**	**34332**	**35314**	**34245 M**	**34098 M**	**33629 M**	**34925 M**	**33096**	**32824**	**33394**	**36951 M**
Chromium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	ug/L	**335**	NA	NA	NA	NA	NA	NA	**1391**	**117 J**	**201 J**	**261 J**	**39.9 J**	NA	NA	NA	NA	**312**	NA	NA	NA
Chromium VI	D	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium VI	T	mg/L	< 0.01 UJ	NA	NA	NA	NA	NA	NA	R	NA	NA	NA	NA	NA	NA	NA	NA	< 0.01 U	NA	NA	NA
Cobalt	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	**3.8 B**	NA	NA	NA	NA	NA	NA	**11.6**	< 6 U	**1.23 F**	**1.1 F**	< 60 U	NA	NA	NA	NA	**2.6 F**	NA	NA	NA
Copper	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	**12.4 B**	NA	NA	NA	NA	NA	NA	**14.4 B**	< 10 U	**1.5 F**	**4.7 F**	< 10 U	NA	NA	NA	NA	**5.1 F**	NA	NA	NA
Iron	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	**4250**	**1677**	**1958**	**1008**	**2154 J**	**1024 J**	**10659**	**7043 M**	**1024 J**	**1343 J**	**1827 J**	**750 J**	**652 J**	**421 J**	**1096 J**	**535 J**	**2272**	**680**	**1054**	**3027 J**
Lead	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	ug/L	**31.9**	**9.1 F**	**11.5 F**	**11.3 F**	**27.7**	**18.4 F**	**104**	**72.6**	**6.7 F**	**11.7 F**	**22.9 F**	**3.1 F**	**8.5 F**	**5.2 F**	**24.6 F**	**4.5 F**	**52.8**	**8 F**	**10.4 F**	**6.2 F**
Magnesium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	**12100**	**11915**	**10782**	**12708**	**11501**	**11678**	**13452**	**10418 MJ**	**11712**	**11617**	**11807**	**12138**	**11608 M**	**11582 M**	**11404 M**	**11738 M**	**11032**	**10830**	**11297 M**	**13149**
Manganese	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	**234**	**178**	**162**	**160**	**150 B**	**132 B**	**510**	**249**	**166**	**186**	**209 J**	**164 J**	**169**	**144**	**223 J**	**147 J**	**286**	**191**	**168**	**275**
Mercury	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	< 0.1 U	NA	NA	NA	NA	NA	NA	< 1 UM	NA	NA	NA	NA	NA	NA	NA	NA	< 1 U	NA	NA	NA
Nickel	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	**164**	NA	NA	NA	NA	NA	NA	**653**	**52.6 J**	**90.5 J**	**126 J**	**19.6 JF**	NA	NA	NA	NA	**134**	NA	NA	NA
Potassium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	**1800 J**	**1871 J**	**1780 J**	**1193 J**	**1780**	**1680**	**2894**	**2820**	**1322**	**1537**	**1664 J**	**1055 J**	**977 F**	**775 F**	**2103 J**	**924 J**	**4152**	**1634**	**2193**	**2327**
Selenium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	< 9.9 U	NA	NA	NA	NA	NA	NA	< 30 U	< 30 U	< 30 U	**8.8 F**	< 30 U	NA	NA	NA	NA	**7.4 F**	NA	NA	NA
Silver	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	< 0.9 U	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	NA	NA	NA	NA	< 10 U	NA	NA	NA
Sodium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	**4250**	**4258**	**3932**	**4085**	**3934**	**4001**	**4601 M**	**4583 MJ**	**3941 M**	**3972 M**	**4082**	**3624**	**3622 M**	**3721 M**	**4335 M**	**3469 M**	**5414**	**3878**	**4311 M**	**4415**
Thallium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	< 4.3 U	NA	NA	NA	NA	NA	NA	< 80 U	**5.3 F**	< 80 U	**7.6 F**	**7.1 F**	NA	NA	NA	NA	< 80 U	NA	NA	NA
Vanadium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	**5.3 B**	NA	NA	NA	NA	NA	NA	**7.7 F**	< 10 U	< 10 U	**5 F**	**3.6 F**	NA	NA	NA	NA	< 10 U	NA	NA	NA
Zinc	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	**34.4**	NA	NA	NA	NA	NA	NA	**15.7**	**5.6 F**	**11.3**	**6.4 F**	**3.1 F**	NA	NA	NA	NA	**14.3 F**	NA	NA	NA
Total Recoverable Phenolics	N	mg/L	< 0.005 UJ	NA	NA	NA	NA	NA	NA	< 0.005 UM	NA	NA	NA	NA	NA	NA	NA	NA	**0.0042 J**	NA	NA	NA
VOCs																						
1,1,1-Trichloroethane	N	ug/L	< 1 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
1,1,2,2-Tetrachloroethane	N	ug/L	< 1 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
1,1,2-trichloro-1,2,2-trifluoroethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
1,1,2-Trichloroethane	N	ug/L	< 1 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
1,1-Dichloroethane	N	ug/L	< 1 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
1,1-Dichloroethene	N	ug/L	< 1 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
1,2,3-Trichloropropane	N	ug/L	< 1 U	NA	NA	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
1,2,3-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
1,2,4-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	N	ug/L	< 1 U	NA	NA	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	NA	NA	NA	NA	< 1 U	NA	NA	NA
1,2-Dibromoethane	N	ug/L	< 1 U	NA	NA	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
1,2-Dichlorobenzene	N	ug/L	< 1 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
1,2-Dichloroethane	N	ug/L	< 1 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
1,2-Dichloroethene, Total	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	N	ug/L	< 1 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
1,3,5-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
1,3-Dichloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	N	ug/L	< 1 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
1,4-Dioxane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	N	ug/L	NA	NA	NA	NA	NA	NA	NA	< 5 UM	NA	NA	NA	NA	NA	NA	NA	NA	< 5 U	NA	NA	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004
		Sample Date	5/1/2001	6/27/2001	6/27/2001	10/1/2001	12/14/2001	12/14/2001	3/19/2002	6/18/2002	9/25/2002	9/25/2002	12/20/2002	12/20/2002	3/17/2003	3/17/2003	6/19/2003	6/19/2003	9/25/2003	1/13/2004	3/23/2004	6/24/2004
		Sample Type	N	N	FD	N	N	FD	N	N	N	FD	N	FD	N	FD	N	FD	N	N	N	N
Chemical	**Fraction**	**Unit**																				
2-Chloroethyl vinyl ether	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	N	ug/L	< 2 U	NA	NA	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	NA	NA	NA	NA	< 5 U	NA	NA	NA
Acetone	N	ug/L	NA	NA	NA	NA	NA	NA	NA	< 10 UM	NA	NA	NA	NA	NA	NA	NA	NA	< 5 U	NA	NA	NA
Acrylonitrile	N	ug/L	NA	NA	NA	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	NA	NA	NA	NA	< 5 U	NA	NA	NA
Benzene	N	ug/L	< 1 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Bromochloromethane	N	ug/L	< 1 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Bromodichloromethane	N	ug/L	< 1 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Bromoform	N	ug/L	< 1 U	NA	NA	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Bromomethane	N	ug/L	< 2 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Carbon Disulfide	N	ug/L	< 1 U	NA	NA	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Carbon Tetrachloride	N	ug/L	< 1 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
CFC-11	N	ug/L	< 1 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
CFC-12	N	ug/L	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Chlorobenzene	N	ug/L	< 1 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Chlorodibromomethane	N	ug/L	< 1 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Chloroethane	N	ug/L	< 2 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Chloroform	N	ug/L	< 1 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Chloromethane	N	ug/L	< 2 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
cis-1,2-Dichloroethene	N	ug/L	< 1 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
cis-1,3-Dichloropropene	N	ug/L	< 1 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Cyclohexane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Dibromomethane	N	ug/L	< 1 U	NA	NA	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Dichloromethane	N	ug/L	< 1 U	NA	NA	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Ethylbenzene	N	ug/L	< 1 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Isopropylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
m&p-Xylenes	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	N	ug/L	NA	NA	NA	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	NA	NA	NA	NA	< 5 U	NA	NA	NA
Methyl N-Butyl Ketone (2-Hexanone)	N	ug/L	< 2 U	NA	NA	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	NA	NA	NA	NA	< 5 U	NA	NA	NA
Methylcyclohexane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Methyl-tert-butylether	N	ug/L	< 1 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
n-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenolics	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	N	ug/L	< 1 U	NA	NA	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
tert-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	N	ug/L	< 1 U	NA	NA	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Toluene	N	ug/L	< 1 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Total Xylenes	N	ug/L	< 1 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	< 1.5 U	NA	NA	NA
trans-1,2-Dichloroethene	N	ug/L	< 1 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
trans-1,3-Dichloropropene	N	ug/L	< 1 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
trans-1,4-Dichloro-2-butene	N	ug/L	< 1 U	NA	NA	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Trichloroethene	N	ug/L	< 1 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Vinyl acetate	N	ug/L	< 4 U	NA	NA	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	NA	NA	NA	NA	< 5 U	NA	NA	NA
Vinyl chloride	N	ug/L	< 2 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Leachate Indicators																						
Ammonia Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromide	N	mg/L	**0.18**	NA	NA	NA	NA	NA	NA	RU	NA	NA	NA	NA	NA	NA	NA	NA	< 0 U	NA	NA	NA
Chloride	N	mg/L	**12.5**	NA	NA	NA	NA	NA	NA	**14.1 J**	NA	NA	NA	NA	NA	NA	NA	NA	**13.1 J**	NA	NA	NA
Fluoride (F-, Anion)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	N	mg/L	**9.81**	NA	NA	NA	NA	NA	NA	**9**	NA	NA	NA	NA	NA	NA	NA	NA	**9.16**	NA	NA	NA
Total Kjeldahl Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorus as PO4	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity	N	mg/L	**95**	NA	NA	NA	NA	NA	NA	**103 S**	NA	NA	NA	NA	NA	NA	NA	NA	**106 B**	NA	NA	NA
Alkalinity (as CaCO3)	N	mg/L	**137**	NA	NA	NA	NA	NA	NA	**132 B**	NA	NA	NA	NA	NA	NA	NA	NA	**326 B**	NA	NA	NA
Alkalinity, Bicarbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Carbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Hydroxide	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Biological Oxygen Demand	N	mg/L	**6.9**	NA	NA	NA	NA	NA	NA	R	NA	NA	NA	NA	NA	NA	NA	NA	**20.46 B**	NA	NA	NA
Carbon	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CBOD	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chemical Oxygen Demand	N	mg/L	**66**	NA	NA	NA	NA	NA	NA	< 0 U	NA	NA	NA	NA	NA	NA	NA	NA	**66.04**	NA	NA	NA
Color	N	COLOR UNIT	< 0 U	NA	NA	NA	NA	NA	NA	15 B	NA	NA	NA	NA	NA	NA	NA	NA	30	NA	NA	NA
Color	N	PCU	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	N	ug/L	< 0 U	NA	NA	NA	NA	NA	NA	< 0 U	NA	NA	NA	NA	NA	NA	NA	NA	< 0 U	NA	NA	NA
Hardness (as CaCO3)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	N	PH UNITS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids	N	mg/L	**150**	NA	NA	NA	NA	NA	NA	**145 SB**	NA	NA	NA	NA	NA	NA	NA	NA	**170 S**	NA	NA	NA
Total Dissolved Solids	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	**5.7 J**	NA	NA	NA	NA	NA	NA	**0.56 SF**	NA	NA	NA	NA	NA	NA	NA	NA	**6.56 M**	NA	NA	NA
Total Organic Carbon 2	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004
		Sample Date	9/22/2004	12/15/2004	3/23/2005	3/23/2005	6/22/2005	6/22/2005	12/13/2005	12/13/2005	6/26/2006	6/26/2006	1/2/2007	1/2/2007	7/10/2007	7/10/2007	12/4/2007	12/4/2007	6/24/2009	12/7/2009	12/7/2009	6/21/2010
		Sample Type	N	N	N	FD	N	FD	N	FD	N	FD	N	FD	N	FD	N	FD	N	N	FD	N
Chemical	**Fraction**	**Unit**																				
Metals																						
Aluminum	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	NA	NA	**3980**	**4640**	NA	NA	**1080**	**927**	NA	NA	**133 M**	**72.1 M**	NA	NA	**5580**	**6390**	NA	**480 J**	**360 J**	NA
Antimony	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	NA	NA	**4 F**	**10 F**	NA	NA	< 50 U	**2.83 F**	NA	NA	**2.74 F**	< 50 U	NA	NA	< 50 U	< 50 U	NA	< 2 U	**0.56 F**	NA
Arsenic	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	ug/L	NA	NA	< 30 U	< 30 U	NA	NA	< 30 U	< 30 U	NA	NA	< 30 U	< 30 U	NA	NA	< 30 U	< 30 U	NA	< 5 U	**0.55 F**	NA
Barium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	ug/L	NA	NA	**36.1 F**	**41.8 F**	NA	NA	**14.1 F**	**13.4 F**	NA	NA	**7.52 F**	**5.6 F**	NA	NA	**49.3 F**	**54.8**	NA	**11**	**11**	NA
Beryllium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	NA	NA	**0.11 F**	**0.14 F**	NA	NA	< 4 U	< 4 U	NA	NA	< 4 U	< 4 U	NA	NA	**0.28 F**	**0.3 F**	NA	< 1 U	< 1 U	NA
Boron	T	ug/L	NA	NA	**6 F**	**6 F**	NA	NA	NA	NA	NA	NA	**3.31 F**	< 50 U	NA	NA	**10.3 F**	**10.9 F**	NA	**6 F**	**6.5 F**	NA
Cadmium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	ug/L	< 5 U	**0.51 F**	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	**0.24 F**	**0.067 F**	**0.092 F**	NA
Calcium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	**32798 M**	**35998 M**	**43350 M**	**43240 M**	**37000 M**	**37000 M**	**36600**	**36600**	**35000**	**36900**	**34500**	**35500**	**38000 M**	**38800 M**	**52900**	**50300**	**32000**	**39000 M**	**40000 M**	**39100 M**
Chromium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	ug/L	NA	NA	**606 J**	**2067 J**	NA	NA	**285 J**	**557 J**	NA	NA	**283**	**8.21 F**	NA	NA	**42.2**	**48.5**	NA	**14**	**14**	NA
Chromium VI	D	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium VI	T	mg/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	R	R	NA	NA	< 0.01 U	< 0.01 U	NA	NA	**0.012**	**0.011**	NA	**0.001 F**	**0.001 F**	NA
Cobalt	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	NA	NA	**4 F**	**16 F**	NA	NA	< 60 U	**2.82 F**	NA	NA	< 60 U	< 60 U	NA	NA	< 60 U	< 60 U	NA	**0.45 F**	**0.41 F**	NA
Copper	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	NA	NA	**10 J**	**26 J**	NA	NA	**3.03 F**	**6.17 F**	NA	NA	**5.04 F**	< 10 U	NA	NA	**3.18 F**	**4.04 F**	NA	**1.2**	**1.2**	NA
Iron	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	**3472**	**7812 J**	**8124 J**	**15324 J**	**2600 M**	**2400 M**	**2510 J**	**3490 J**	**595 J**	**462 J**	**1510 J**	**275 J**	**1930 M**	**1380 M**	**7320**	**7520**	**550 M**	**830**	**710**	**492 M**
Lead	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	ug/L	**12.8 F**	**57.4**	**12.4 J**	**36.9 J**	**8 J**	**3.9 J**	**2.77 F**	**8.63 F**	**3.51 F**	**2.53 F**	**10.4 F**	< 25 U	**5.53 F**	< 25 U	< 25 U	< 25 U	**2.4**	**1.4 F**	**1.9 F**	NA
Magnesium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	**12041**	**12061**	**15870**	**16010**	**12000**	**12000**	**12100**	**12000**	**11400**	**12000**	**11400**	**11600**	**12500**	**12800**	**19700**	**18900**	**10000**	**13000**	**14000**	**12500 M**
Manganese	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	**441**	**391**	**307 J**	**453 J**	**210**	**180**	**286 J**	**368 J**	**145**	**148**	**207 J**	**135 J**	**207 M**	**181 M**	**321**	**309**	**250 M**	**160**	**180**	**205 M**
Mercury	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	NA	NA	< 1 U	< 1 U	NA	NA	< 1 U	< 1 U	NA	NA	< 1 U	< 1 U	NA	NA	< 1 U	< 1 U	NA	**0.067 F**	< 0.2 U	NA
Nickel	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	NA	NA	**291 J**	**977 J**	NA	NA	**130 J**	**260 J**	NA	NA	**135**	**6.19 F**	NA	NA	**22**	**25.5**	NA	**8.1**	**9.5**	NA
Potassium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	**2144**	**4599 J**	**2580 J**	**4050 J**	**2300 J**	**1600 J**	**1430 J**	**2140 J**	**1380**	**1290**	**5920 J**	**922 J**	**2770 J**	**1860 J**	**2960**	**3320**	**2200**	**1200**	**1200**	**2640 M**
Selenium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	NA	NA	< 30 U	< 30 U	NA	NA	< 30 U	< 30 U	NA	NA	< 30 U	< 30 U	NA	NA	< 30 U	< 30 U	NA	< 5 U	< 5 U	NA
Silver	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	NA	NA	< 10 U	< 10 U	NA	NA	< 10 U	< 10 U	NA	NA	< 10 U	< 10 U	NA	NA	< 10 U	< 10 U	NA	< 1 UM	< 1 UM	NA
Sodium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	**3921 M**	**5945 M**	**5320**	**6480**	**4400 M**	**4000 M**	**3870**	**4290**	**4090**	**4220**	**6070 J**	**4120 J**	**5220 M**	**4910 M**	**5390**	**5430**	**5300 M**	**5800**	**5900**	**6650 M**
Thallium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	NA	NA	< 80 U	< 80 U	NA	NA	< 80 U	< 80 U	NA	NA	< 80 U	< 80 U	NA	NA	< 80 U	< 80 U	NA	< 1 U	< 1 U	NA
Vanadium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	NA	NA	**11 J**	**18 J**	NA	NA	**3.69 F**	**4.73 F**	NA	NA	**2.06 F**	< 10 U	NA	NA	**11.5**	**12.9**	NA	**1 F**	**0.68 F**	NA
Zinc	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	NA	NA	**17 F**	**28**	NA	NA	**35.2**	**38.5**	NA	NA	**18.5 F**	**13.2 F**	NA	NA	**49.6 J**	**32.9 J**	NA	**10 M**	**8.2 M**	NA
Total Recoverable Phenolics	N	mg/L	NA	NA	< 0.005 U	< 0.005 U	NA	NA	< 0.005 U	< 0.005 U	NA	NA	< 0.005 U	< 0.005 U	NA	NA	< 0.005 U	< 0.005 U	NA	< 0.05 UM	< 0.05 UM	NA
VOCs																						
1,1,1-Trichloroethane	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	< 1 U	< 1 U	NA
1,1,2,2-Tetrachloroethane	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	< 1 U	< 1 U	NA
1,1,2-trichloro-1,2,2-trifluoroethane	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	< 1 U	< 1 U	NA
1,1,2-Trichloroethane	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	< 1 U	< 1 U	NA
1,1-Dichloroethane	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	< 1 U	< 1 U	NA
1,1-Dichloroethene	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	< 1 U	< 1 U	NA
1,2,3-Trichloropropane	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	< 1 U	< 1 U	NA
1,2,3-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	< 1 U	< 1 U	NA
1,2,4-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	N	ug/L	NA	NA	< 1 U	< 1 U	NA	NA	< 1 U	< 1 U	NA	NA	< 1 U	< 1 U	NA	NA	< 1 U	< 1 U	NA	< 2 U	< 2 U	NA
1,2-Dibromoethane	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	< 1 U	< 1 U	NA
1,2-Dichlorobenzene	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	< 1 U	< 1 U	NA
1,2-Dichloroethane	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	< 1 U	< 1 U	NA
1,2-Dichloroethene, Total	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	< 1 U	< 1 U	NA
1,3,5-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	< 1 U	< 1 U	NA
1,3-Dichloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	< 1 U	< 1 U	NA
1,4-Dioxane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	N	ug/L	NA	NA	< 5 U	< 5 U	NA	NA	< 5 U	< 5 U	NA	NA	< 5 U	< 5 U	NA	NA	< 5 U	< 5 U	NA	< 10 U	< 10 U	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004
		Sample Date	9/22/2004	12/15/2004	3/23/2005	3/23/2005	6/22/2005	6/22/2005	12/13/2005	12/13/2005	6/26/2006	6/26/2006	1/2/2007	1/2/2007	7/10/2007	7/10/2007	12/4/2007	12/4/2007	6/24/2009	12/7/2009	12/7/2009	6/21/2010
		Sample Type	N	N	N	FD	N	FD	N	FD	N	FD	N	FD	N	FD	N	FD	N	N	FD	N
Chemical	**Fraction**	**Unit**																				
2-Chloroethyl vinyl ether	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	N	ug/L	NA	NA	< 5 U	< 5 U	NA	NA	< 5 U	< 5 U	NA	NA	< 5 U	< 5 U	NA	NA	< 5 U	< 5 U	NA	< 10 U	< 10 U	NA
Acetone	N	ug/L	NA	NA	R	R	NA	NA	< 5 U	< 5 U	NA	NA	< 5 U	< 5 U	NA	NA	< 5 U	< 5 U	NA	< 20 U	< 20 U	NA
Acrylonitrile	N	ug/L	NA	NA	< 4 U	< 4 U	NA	NA	< 4 U	< 4 U	NA	NA	< 4 U	< 4 U	NA	NA	< 4 U	< 4 U	NA	< 1 U	< 1 U	NA
Benzene	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	< 1 U	< 1 U	NA
Bromochloromethane	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	< 1 U	< 1 U	NA
Bromodichloromethane	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	< 1 U	< 1 U	NA
Bromoform	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	< 1 U	< 1 U	NA
Bromomethane	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	< 1 U	< 1 U	NA
Carbon Disulfide	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	< 5 U	< 5 U	NA
Carbon Tetrachloride	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	< 1 U	< 1 U	NA
CFC-11	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	< 1 U	< 1 U	NA
CFC-12	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	< 1 U	< 1 U	NA
Chlorobenzene	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	< 1 U	< 1 U	NA
Chlorodibromomethane	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	< 1 U	< 1 U	NA
Chloroethane	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 UM	< 0.5 UM	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	< 1 U	< 1 U	NA
Chloroform	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	< 1 U	< 1 U	NA
Chloromethane	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	< 1 U	< 1 U	NA
cis-1,2-Dichloroethene	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	< 1 U	< 1 U	NA
cis-1,3-Dichloropropene	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	< 1 U	< 1 U	NA
Cyclohexane	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	< 5 U	< 5 U	NA
Dibromomethane	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	< 1 U	< 1 U	NA
Dichloromethane	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	< 5 U	< 5 U	NA
Ethylbenzene	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	< 1 U	< 1 U	NA
Isopropylbenzene	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	< 1 U	< 1 U	NA
m&p-Xylenes	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	N	ug/L	NA	NA	< 5 U	< 5 U	NA	NA	< 5 U	< 5 U	NA	NA	< 5 UM	< 5 UM	NA	NA	< 5 U	< 5 U	NA	< 5 U	< 5 U	NA
Methyl N-Butyl Ketone (2-Hexanone)	N	ug/L	NA	NA	< 5 U	< 5 U	NA	NA	< 5 U	< 5 U	NA	NA	< 5 U	< 5 U	NA	NA	< 5 U	< 5 U	NA	< 5 UJ	< 5 UJ	NA
Methylcyclohexane	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	< 5 U	< 5 U	NA
Methyl-tert-butylether	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	< 1 U	< 1 U	NA
n-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenolics	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	< 1 U	< 1 U	NA
tert-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	< 1 U	< 1 U	NA
Toluene	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	< 1 U	< 1 U	NA
Total Xylenes	N	ug/L	NA	NA	< 1.5 U	< 1.5 U	NA	NA	< 1.5 U	< 1.5 U	NA	NA	< 1.5 U	< 1.5 U	NA	NA	< 1.5 U	< 1.5 U	NA	< 3 U	< 3 U	NA
trans-1,2-Dichloroethene	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	< 1 U	< 1 U	NA
trans-1,3-Dichloropropene	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	< 1 U	< 1 U	NA
trans-1,4-Dichloro-2-butene	N	ug/L	NA	NA	< 2 U	< 2 U	NA	NA	< 2 U	< 2 U	NA	NA	< 2 U	< 2 U	NA	NA	< 2 U	< 2 U	NA	< 5 U	< 5 U	NA
Trichloroethene	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	< 1 U	< 1 U	NA
Vinyl acetate	N	ug/L	NA	NA	R	R	NA	NA	< 2 U	< 2 U	NA	NA	R	R	NA	NA	< 2 U	< 2 U	NA	< 5 U	< 5 U	NA
Vinyl chloride	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	< 1 U	< 1 U	NA
Leachate Indicators																						
Ammonia Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromide	N	mg/L	NA	NA	< 0 U	< 0 U	NA	NA	< 0 UM	< 0 UM	NA	NA	< 0 UM	< 0 UM	NA	NA	**0.026 F**	**0.028 F**	NA	**0.037 F**	**0.038 F**	NA
Chloride	N	mg/L	NA	NA	**23.68 M**	**23.57 M**	NA	NA	**19 M**	**21 M**	NA	NA	**22 M**	**22 M**	NA	NA	**26**	**26**	NA	**29 B**	**29 B**	NA
Fluoride (F-, Anion)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	N	mg/L	NA	NA	**11.71**	**11.69**	NA	NA	**11**	**11**	NA	NA	**12 M**	**12 M**	NA	NA	**13**	**13**	NA	**14 M**	**15 M**	NA
Total Kjeldahl Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorus as PO4	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity	N	mg/L	NA	NA	**108**	**112**	NA	NA	**110**	**100**	NA	NA	**110**	**110**	NA	NA	**120**	**110**	NA	NA	NA	NA
Alkalinity (as CaCO3)	N	mg/L	NA	NA	**172**	**196**	NA	NA	**140 B**	**150 B**	NA	NA	**140**	**140**	NA	NA	**210**	**200**	NA	**151**	**145**	NA
Alkalinity, Bicarbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Carbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Hydroxide	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Biological Oxygen Demand	N	mg/L	NA	NA	< 0 U	< 0 U	NA	NA	**5.2**	< 0 U	NA	NA	**9.1**	**8.5**	NA	NA	< 0 U	< 0 U	NA	**5.5**	**4.5**	NA
Carbon	N	mg/L	NA	NA	NA	NA	NA	NA	**2.4 J**	**3.82 J**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CBOD	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chemical Oxygen Demand	N	mg/L	NA	NA	**48.5 B**	< 0 U	NA	NA	**29**	**29**	NA	NA	**34 J**	**24 J**	NA	NA	**8.5 F**	**8.5 F**	NA	**6.2 J**	**18 J**	NA
Color	N	COLOR UNIT	NA	NA	< 0 U	< 0 U	NA	NA	10	10	NA	NA	< 0 U	< 0 U	NA	NA	< 0 U	< 0 U	NA	< 0 U	< 0 U	NA
Color	N	PCU	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	N	ug/L	NA	NA	< 0 U	< 0 U	NA	NA	**9 F**	< 1 U	NA	NA	< 1 U	< 1 U	NA	NA	< 1 U	< 1 U	NA	< 1 U	< 1 U	NA
Hardness (as CaCO3)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	N	PH UNITS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids	N	mg/L	NA	NA	**184**	**182**	NA	NA	**190**	**190**	NA	NA	**210**	**210**	NA	NA	**190**	**200**	NA	NA	NA	NA
Total Dissolved Solids	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	NA	NA	**2.1 J**	**3.1 J**	NA	NA	NA	NA	NA	NA	**7.4 J**	**2.7 J**	NA	NA	**0.86 F**	**2.6**	NA	**0.87 M**	**0.73 M**	NA
Total Organic Carbon 2	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005
		Sample Date	6/21/2010	12/8/2010	6/21/2011	12/14/2011	6/19/2012	6/18/2013	6/18/2014	7/6/2015	8/24/2017	8/2/2018	8/10/1988	1/10/1989	4/23/2001	6/20/2001	9/24/2001	12/12/2001	3/19/2002	6/18/2002	9/23/2002	12/19/2002
		Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**																				
Metals																						
Aluminum	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	63	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	NA	181	523	1030	NA	597	NA	NA	NA	140	NA	NA	154 J	NA	NA	NA	NA	40.8 F	< 200 U	< 200 U
Antimony	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 43	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	NA	2.76	< 1 U	0.679 F	NA	0.904 F	NA	NA	NA	< 1.0	NA	NA	< 4.1 U	NA	NA	NA	NA	6.1 F	< 50 U	2.8 F
Arsenic	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	ug/L	NA	0.512 M	< 1 UJ	< 1 U	NA	0.864 J	NA	NA	NA	0.43	NA	NA	< 4.4 U	NA	NA	NA	NA	< 30 U	< 30 U	< 30 U
Barium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.1	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	ug/L	NA	7.07 F	14.7 B	19.7	NA	12.6	NA	NA	NA	8.4	NA	NA	12.2 B	NA	NA	NA	NA	8.56	12.6 J	9.9 F
Beryllium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.1	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	NA	< 2 U	< 2 U	0.508 F	NA	< 2 U	NA	NA	NA	< 0.30	NA	NA	0.16 B	NA	NA	NA	NA	< 5 U	< 5 U	< 4 U
Boron	T	ug/L	NA	< 100 U	< 100 U	< 100 U	NA	< 100 U	NA	NA	NA	7.2	NA	NA	< 32.4 U	NA	NA	NA	NA	< 110 U	< 110 U	< 110 U
Cadmium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4.3	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	ug/L	< 0.6 U	< 0.6 U	< 0.6 U	< 0.6 U	< 0.6 U	< 0.6 U	< 0.6 U	< 0.6 U	< 1.0	< 1.0	NA	NA	< 0.4 U	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	< 5 U
Calcium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	33400	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	NA	42100 M	42500 B	NA	43000 M	37900 M	45400 M	90400 M	80000	45000	NA	NA	52700	51582 M	53414 M	60668 J	51584 MJ	39817 MJ	42992 M	46828
Chromium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	ug/L	NA	60.7 M	NA	38.2	NA	490 M	108 M	95.3	73	4.9	NA	NA	77.7	NA	NA	NA	NA	21.3	62.8 J	26.2
Chromium VI	D	mg/L	NA	< 0.005 U	NA	< 0.01 U	NA	< 0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium VI	T	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.010	NA	NA	< 0.01 UJ	NA	NA	NA	NA	< 0.01 U	NA	NA
Cobalt	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	NA	0.724 M	< 1 U	0.794 F	NA	4.95 J	NA	NA	NA	0.11	NA	NA	< 0.6 U	NA	NA	NA	NA	< 6 U	< 6 U	< 60 U
Copper	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	14	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	NA	4.05 F	< 5 UJ	< 5 U	NA	12.3	NA	NA	NA	< 1.8	NA	NA	10 B	NA	NA	NA	NA	< 10 U	< 10 U	< 10 U
Iron	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	218	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	NA	1470 M	702 M	1620	2770 M	5410 M	1390	8820	16000	360	NA	NA	1640	611	915	442 J	532	332 M	622 J	514
Lead	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.91	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	ug/L	2.58	7.96	< 1 U	1.8	1.3	7.42	2.86	5.97	5.9	0.27	NA	NA	5.1	3.79 F	4.5 F	6.4 F	< 25 U	< 25 U	< 25 U	< 25 U
Magnesium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	11900	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	NA	13300	14200 B	14500	14300 M	12600	14800 M	33200	29000	14000	NA	NA	18200	17783	19220	20175	19271	14487 MJ	16123	16622
Manganese	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	183	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	NA	223 M	173 B	189	222 M	722 J	225	597	630	120	NA	NA	186	125	109	134 B	150	109	108	214
Mercury	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.2	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	NA	< 0.2 U	< 0.2 U	< 0.2 U	NA	< 0.2 U	NA	NA	NA	< 0.080	NA	NA	< 0.1 U	NA	NA	NA	NA	0.16 MF	NA	NA
Nickel	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 24	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	NA	32.8 M	3.29 M	20.1	NA	259 M	NA	NA	NA	1.8	NA	NA	46.9	NA	NA	NA	NA	8.8 F	28.5 J	10.7 F
Potassium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2360	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	NA	1970	1280 B	1480	1690	5620	1780 M	2110	3700	2000	NA	NA	3700 J	4558 J	11156 J	5091	4649	2314	4134	2899
Selenium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	NA	< 1 U	< 1 U	0.525 F	NA	0.502 F	NA	NA	NA	< 2.0	NA	NA	< 9.9 U	NA	NA	NA	NA	< 30 U	< 30 U	< 30 U
Silver	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4.3	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	NA	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA	NA	NA	< 0.10	NA	NA	< 0.9 U	NA	NA	NA	NA	< 10 U	< 10 U	< 10 U
Sodium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10200	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	NA	7010 M	6100 B	6810	6890 M	7930	8560	9070	8100	7700	NA	NA	24600	30014	37650	32361	30935 M	22954 MJ	31187 M	26181
Thallium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	NA	< 0.2 UM	< 0.2 U	< 0.2 U	NA	< 0.2 U	NA	NA	NA	< 0.20	NA	NA	< 4.3 U	NA	NA	NA	NA	4.5 F	< 80 U	< 80 U
Vanadium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	NA	0.568 M	NA	1.55	NA	< 20 UM	NA	NA	NA	< 2.0	NA	NA	< 1 U	NA	NA	NA	NA	< 10 U	< 10 U	< 10 U
Zinc	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	80	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	NA	9.38 F	5.69 F	26.8	NA	16.4 F	NA	NA	NA	3.7	NA	NA	20.5	NA	NA	NA	NA	7.8 F	8.6 F	5.3 F
Total Recoverable Phenolics	N	mg/L	NA	0.0091 B	NA	< 0.005 U	NA	< 0.005 U	NA	NA	NA	NA	NA	NA	0.023 J	NA	NA	NA	NA	0.0058 M	NA	NA
VOCs																						
1,1,1-Trichloroethane	N	ug/L	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	NA	< 5 [< 0.3]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA
1,1,2,2-Tetrachloroethane	N	ug/L	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.80	NA	< 5 [< 0.3]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA
1,1,2-trichloro-1,2,2-trifluoroethane	N	ug/L	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	NA	NA	< 1.6	NA	< 1	NA	NA	NA	NA	NA	< 0.5 U	NA	NA
1,1,2-Trichloroethane	N	ug/L	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.80	NA	< 5 [< 0.2]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA
1,1-Dichloroethane	N	ug/L	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.80	NA	< 5 [< 0.4]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA
1,1-Dichloroethene	N	ug/L	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.80	NA	< 5 [< 0.3]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA
1,2,3-Trichloropropane	N	ug/L	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.80	NA	NA	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA
1,2,3-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	N	ug/L	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA
1,2,4-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	N	ug/L	NA	< 2 U	NA	< 2	NA	< 2 U	NA	NA	NA	< 1.6	NA	NA	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA
1,2-Dibromoethane	N	ug/L	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	NA	NA	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA
1,2-Dichlorobenzene	N	ug/L	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	NA	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA
1,2-Dichloroethane	N	ug/L	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	NA	< 5 [< 0.3]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA
1,2-Dichloroethene, Total	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5	< 5 [< 0.5]	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	N	ug/L	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	< 5	< 5 [< 0.2]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA
1,3,5-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	N	ug/L	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	NA	< 1	NA	NA	NA	NA	NA	< 0.5 U	NA	NA
1,3-Dichloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	N	ug/L	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	NA	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA
1,4-Dioxane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 160	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	N	ug/L	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	NA	NA	< 4.0	< 10	< 10	NA	NA	NA	NA	NA	< 5 UM	NA	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005
		Sample Date	6/21/2010	12/8/2010	6/21/2011	12/14/2011	6/19/2012	6/18/2013	6/18/2014	7/6/2015	8/24/2017	8/2/2018	8/10/1988	1/10/1989	4/23/2001	6/20/2001	9/24/2001	12/12/2001	3/19/2002	6/18/2002	9/23/2002	12/19/2002
		Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**																					
2-Chloroethyl vinyl ether	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	N	ug/L	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	NA	NA	< 3.2	< 10	< 10	< 2 U	NA	NA	NA	NA	< 5 U	NA	NA
Acetone	N	ug/L	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	NA	NA	< 6.4	< 10	< 10	NA	NA	NA	NA	NA	< 10 UM	NA	NA
Acrylonitrile	N	ug/L	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	NA	NA	< 4.0	NA	NA	NA	NA	NA	NA	NA	< 5 U	NA	NA
Benzene	N	ug/L	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	< 5	< 5	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA
Bromochloromethane	N	ug/L	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA
Bromodichloromethane	N	ug/L	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	< 5	< 5 [< 0.4]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA
Bromoform	N	ug/L	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	NA	< 5 [< 0.5]	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA
Bromomethane	N	ug/L	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.80	NA	< 10 [< 0.5]	< 2 U	NA	NA	NA	NA	< 0.5 U	NA	NA
Carbon Disulfide	N	ug/L	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 1.6	NA	< 5	< 1 U	NA	NA	NA	NA	< 5 U	NA	NA
Carbon Tetrachloride	N	ug/L	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	NA	< 5 [< 0.3]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA
CFC-11	N	ug/L	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.80	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA
CFC-12	N	ug/L	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA
Chlorobenzene	N	ug/L	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	< 5	< 5 [< 0.4]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA
Chlorodibromomethane	N	ug/L	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	NA	< 5 [< 0.4]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA
Chloroethane	N	ug/L	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 1.6	NA	< 10 [< 0.5]	< 2 U	NA	NA	NA	NA	< 0.5 U	NA	NA
Chloroform	N	ug/L	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	**15**	< 5 [< 0.2]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA
Chloromethane	N	ug/L	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.80	NA	< 10 [< 0.5]	< 2 U	NA	NA	NA	NA	< 0.5 U	NA	NA
cis-1,2-Dichloroethene	N	ug/L	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA
cis-1,3-Dichloropropene	N	ug/L	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	NA	< 5 [< 0.3]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA
Cyclohexane	N	ug/L	NA	< 5 U	NA	< 5	NA	< 5 U	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA
Dibromomethane	N	ug/L	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	NA	NA	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA
Dichloromethane	N	ug/L	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.80	**7**	**2 [< 1]**	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA
Ethylbenzene	N	ug/L	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	< 5	< 5	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA
Isopropylbenzene	N	ug/L	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA
m&p-Xylenes	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	N	ug/L	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	NA	NA	< 4.0	NA	NA	NA	NA	NA	NA	NA	< 5 U	NA	NA
Methyl N-Butyl Ketone (2-Hexanone)	N	ug/L	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	NA	NA	< 4.0	< 10	< 10	< 2 U	NA	NA	NA	NA	< 5 U	NA	NA
Methylcyclohexane	N	ug/L	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA
Methyl-tert-butylether	N	ug/L	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.80	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA
n-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenolics	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	N	ug/L	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	NA	< 5	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA
tert-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	N	ug/L	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	< 5	< 5 [< 0.2]	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA
Toluene	N	ug/L	NA	**0.845 F**	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	< 5	< 5	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA
Total Xylenes	N	ug/L	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.80	< 5	< 5	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA
trans-1,2-Dichloroethene	N	ug/L	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA
trans-1,3-Dichloropropene	N	ug/L	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	NA	< 5 [< 0.3]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA
trans-1,4-Dichloro-2-butene	N	ug/L	NA	< 5 UJ	NA	< 5 U	NA	< 5 U	NA	NA	NA	< 1.6	NA	NA	< 1 U	NA	NA	NA	NA	< 5 U	NA	NA
Trichloroethene	N	ug/L	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	< 5	< 5 [< 0.5]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA
Vinyl acetate	N	ug/L	NA	< 5 UJ	NA	< 5 U	NA	< 5 U	NA	NA	NA	< 2.0	NA	< 10	< 4 U	NA	NA	NA	NA	< 5 U	NA	NA
Vinyl chloride	N	ug/L	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.20	< 10	< 10 [< 0.3]	< 2 U	NA	NA	NA	NA	< 0.5 U	NA	NA
Leachate Indicators																							
Ammonia Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.13**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromide	N	mg/L	NA	< 0 U	NA	< 0 U	NA	< 0.2 U	NA	NA	NA	< 0.20	NA	NA	< 0 U	NA	NA	NA	NA	RU	NA	NA
Chloride	N	mg/L	NA	**31 M**	NA	NA	NA	**36.3 J**	NA	NA	NA	**47**	NA	NA	**69.8**	NA	NA	NA	NA	**72.4 J**	NA	NA
Fluoride (F-, Anion)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.10**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	N	mg/L	NA	**12.2**	NA	**11.3**	NA	**12.8**	NA	NA	NA	**13**	NA	NA	**19.2**	NA	NA	NA	NA	**19**	NA	NA
Total Kjeldahl Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.18**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorus as PO4	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity	N	mg/L	NA	**105 M**	NA	**118**	NA	**123**	NA	NA	NA	**110**	NA	NA	**110**	NA	NA	NA	NA	**111 S**	NA	NA
Alkalinity (as CaCO3)	N	mg/L	NA	**164 M**	NA	**166**	NA	**160**	NA	NA	NA	NA	NA	NA	**192**	NA	NA	NA	NA	**182 B**	NA	NA
Alkalinity, Bicarbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	**110**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Carbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Hydroxide	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Biological Oxygen Demand	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	**3.5**	NA	NA	**12 J**	NA	NA	NA	NA	**10.5**	NA	NA
Carbon	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CBOD	N	mg/L	NA	**20.1 M**	NA	**5.29**	NA	< 0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chemical Oxygen Demand	N	mg/L	NA	**24.2 M**	NA	**21.9**	NA	**11.2 M**	NA	NA	NA	< 10	NA	NA	**18**	NA	NA	NA	NA	**73 B**	NA	NA
Color	N	COLOR UNIT	NA	5	NA	< 0 U	NA	< 0 U	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	NA	15 B	NA	NA
Color	N	PCU	NA	NA	NA	NA	NA	NA	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	N	ug/L	NA	< 1 U	NA	**10.4**	NA	< 1 U	NA	NA	NA	**5.1**	NA	NA	< 0 U	NA	NA	NA	NA	< 0 U	NA	NA
Hardness (as CaCO3)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	**180**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	N	PH UNITS	NA	NA	NA	7.91	NA	NA	NA	NA	NA	NA	NA	5.7 [5.67 [5.62	NA	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids	N	mg/L	NA	**276**	NA	**210**	NA	**206**	NA	NA	NA	**250**	NA	NA	**260**	NA	NA	NA	NA	**293 SB**	NA	NA
Total Dissolved Solids	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	NA	**10.9 M**	NA	**3.14**	NA	**2.09 B**	NA	NA	NA	NA	NA	NA	**1.3 J**	NA	NA	NA	NA	**4.83 S**	NA	NA
Total Organic Carbon 2	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005
		Sample Date	3/17/2003	6/19/2003	9/25/2003	1/13/2004	3/23/2004	6/24/2004	9/21/2004	12/15/2004	3/23/2005	6/22/2005	12/13/2005	6/26/2006	1/2/2007	7/10/2007	12/4/2007	6/23/2009	12/8/2009	6/23/2010	12/7/2010	12/7/2010
		Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**																				
Metals																						
Aluminum	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	NA	NA	**45.1 M**	NA	NA	NA	NA	NA	**190 F**	NA	**55.3 F**	NA	< 200 U	NA	**83.7 F**	NA	< 200 UJ	NA	NA	**137**
Antimony	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	NA	NA	< 50 U	NA	NA	NA	NA	NA	**3 F**	NA	< 50 U	NA	**1.64 F**	NA	< 50 U	NA	**0.8 F**	NA	NA	**3.23**
Arsenic	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	ug/L	NA	NA	< 30 U	NA	NA	NA	NA	NA	< 30 U	NA	< 30 U	NA	< 30 U	NA	< 30 U	NA	< 5 U	NA	NA	**51.7 M**
Barium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	ug/L	NA	NA	**9.1 F**	NA	NA	NA	NA	NA	**7.38 F**	NA	**7.21 F**	NA	**7.39 F**	NA	**10.6 F**	NA	**12**	NA	NA	**11.3**
Beryllium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	NA	NA	< 4 U	NA	NA	NA	NA	NA	< 4 U	NA	< 4 U	NA	< 4 U	NA	< 4 U	NA	< 1 U	NA	NA	< 2 U
Boron	T	ug/L	NA	NA	**12.2 F**	NA	NA	NA	NA	NA	< 50 U	NA	NA	NA	< 50 UM	NA	**5.66 F**	NA	**5.2 F**	NA	NA	< 100 U
Cadmium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	ug/L	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	**0.51 F**	**0.078 F**	< 0.6 U	NA	**1.25**
Calcium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	**43624 M**	**46384 M**	**47526**	**19146**	**20343**	**21535 M**	**17485 M**	**45060 M**	**40800 M**	**41000 M**	**35700**	**44600**	**34600**	**41300 M**	**47700**	**16000**	**52000 M**	**47800 M**	**53200 M**	NA
Chromium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	ug/L	NA	NA	**1 F**	NA	NA	NA	NA	NA	**105 J**	NA	**33.8 J**	NA	**46.8**	NA	**4.39 F**	NA	**6.5**	NA	NA	**45 M**
Chromium VI	D	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1 U
Chromium VI	T	mg/L	NA	NA	< 0.01 U	NA	NA	NA	NA	NA	**0.002 F**	NA	R	NA	**0.0019 F**	NA	R	NA	< 0.005 U	NA	NA	NA
Cobalt	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	NA	NA	< 60 U	NA	NA	NA	NA	NA	< 60 U	NA	< 60 U	NA	< 60 U	NA	< 60 U	NA	**0.12 F**	NA	NA	< 1 UM
Copper	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	NA	NA	< 10 U	NA	NA	NA	NA	NA	**2 J**	NA	< 10 U	NA	< 10 U	NA	< 10 U	NA	**1.6**	NA	NA	**3.65 F**
Iron	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	**328 J**	**343 J**	**369**	**262**	**215**	**253 J**	**306**	**408 J**	**710 J**	**420 M**	**349 J**	**732 J**	**560 J**	**1670 M**	**476**	**430 M**	**510**	**404 M**	NA	**1160 M**
Lead	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	ug/L	**3.4 F**	**3.7 F**	< 25 U	< 25 U	**4.8 F**	< 25 U	< 25 U	< 25 U	**1.9 J**	R	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	**1 F**	**0.47 F**	**2.07**	NA	**5.89**
Magnesium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	**16556 M**	**16321 M**	**16942**	**16419**	**15556 M**	**15943**	**15328**	**17474**	**15790**	**16000**	**15600**	**15900**	**14300**	**14800**	**17200**	**14000**	**20000**	**16400 M**	NA	**17200**
Manganese	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	**109**	**123 J**	**125**	**65**	**65.3**	**63.3**	**57.4**	**137**	**67 J**	**76**	**93.9 J**	**144**	**259 J**	**439 M**	**132**	**250 M**	**180**	**149 M**	NA	**364 M**
Mercury	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	NA	NA	< 1 U	NA	NA	NA	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	**0.029 F**	NA	< 0.2 U	NA	NA	< 0.2 U
Nickel	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	NA	NA	< 20 U	NA	NA	NA	NA	NA	**54 J**	NA	**13.6 J**	NA	**24.8**	NA	**1.15 F**	NA	**3.1**	NA	NA	**23.3 M**
Potassium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	**7146**	**849 J**	**844 F**	**26639**	**24623**	**23950**	**29035**	**7942 J**	**9610 J**	**11000 J**	**10900 J**	**2100**	**10100 J**	**11100 J**	**1090**	**27000**	**4800**	**2100 M**	NA	**3430**
Selenium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	NA	NA	**14.5 F**	NA	NA	NA	NA	NA	< 30 U	NA	< 30 U	NA	< 30 U	NA	< 30 U	NA	< 5 U	NA	NA	< 1 U
Silver	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	NA	NA	< 10 U	NA	NA	NA	NA	NA	< 10 U	NA	< 10 U	NA	< 10 U	NA	< 10 U	NA	< 1 M	NA	NA	< 1 U
Sodium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	**28890 M**	**27742 M**	**28880**	**39174**	**35751 M**	**36644**	**39409 M**	**36814 M**	**37350**	**42000 M**	**34200**	**34300**	**26600 J**	**26400 M**	**44200**	**32000 M**	**38000**	**27200 M**	**32500 M**	NA
Thallium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	NA	NA	< 80 U	NA	NA	NA	NA	NA	< 80 U	NA	< 80 U	NA	< 80 U	NA	< 80 U	NA	< 1 U	NA	NA	< 0.2 UM
Vanadium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	NA	NA	< 10 U	NA	NA	NA	NA	NA	R	NA	< 10 U	NA	< 10 U	NA	< 10 U	NA	< 5 U	NA	NA	< 1 UM
Zinc	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	NA	NA	< 20 U	NA	NA	NA	NA	NA	**11 F**	NA	**185**	NA	**22.6**	NA	**22.4 J**	NA	**14 M**	NA	NA	**12.6 F**
Total Recoverable Phenolics	N	mg/L	NA	NA	R	NA	NA	NA	NA	NA	< 0.005 U	NA	**0.0029 F**	NA	< 0.005 U	NA	< 0.005 U	NA	< 0.05 M	NA	NA	**0.0091 B**
VOCs																						
1,1,1-Trichloroethane	N	ug/L	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U
1,1,2,2-Tetrachloroethane	N	ug/L	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U
1,1,2-trichloro-1,2,2-trifluoroethane	N	ug/L	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 5 U
1,1,2-Trichloroethane	N	ug/L	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U
1,1-Dichloroethane	N	ug/L	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U
1,1-Dichloroethene	N	ug/L	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U
1,2,3-Trichloropropane	N	ug/L	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U
1,2,3-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	N	ug/L	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U
1,2,4-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	N	ug/L	NA	NA	< 1 U	NA	NA	NA	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 2 U	NA	NA	< 2 U
1,2-Dibromoethane	N	ug/L	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U
1,2-Dichlorobenzene	N	ug/L	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U
1,2-Dichloroethane	N	ug/L	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U
1,2-Dichloroethene, Total	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	N	ug/L	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U
1,3,5-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	N	ug/L	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U
1,3-Dichloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	N	ug/L	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U
1,4-Dioxane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	N	ug/L	NA	NA	< 5 U	NA	NA	NA	NA	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 10 U	NA	NA	< 5 U

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005
		Sample Date	3/17/2003	6/19/2003	9/25/2003	1/13/2004	3/23/2004	6/24/2004	9/21/2004	12/15/2004	3/23/2005	6/22/2005	12/13/2005	6/26/2006	1/2/2007	7/10/2007	12/4/2007	6/23/2009	12/8/2009	6/23/2010	12/7/2010	12/7/2010
		Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**																				
2-Chloroethyl vinyl ether	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	N	ug/L	NA	NA	< 5 U	NA	NA	NA	NA	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 10 U	NA	NA	< 5 U
Acetone	N	ug/L	NA	NA	< 5 U	NA	NA	NA	NA	NA	R	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 20 U	NA	NA	< 5 U
Acrylonitrile	N	ug/L	NA	NA	< 5 U	NA	NA	NA	NA	NA	< 4 U	NA	< 4 U	NA	< 4 U	NA	< 4 U	NA	< 1 U	NA	NA	< 5 U
Benzene	N	ug/L	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U
Bromochloromethane	N	ug/L	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U
Bromodichloromethane	N	ug/L	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U
Bromoform	N	ug/L	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U
Bromomethane	N	ug/L	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U
Carbon Disulfide	N	ug/L	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 5 U	NA	NA	< 1 U
Carbon Tetrachloride	N	ug/L	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U
CFC-11	N	ug/L	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U
CFC-12	N	ug/L	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U
Chlorobenzene	N	ug/L	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U
Chlorodibromomethane	N	ug/L	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U
Chloroethane	N	ug/L	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 UM	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U
Chloroform	N	ug/L	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U
Chloromethane	N	ug/L	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U
cis-1,2-Dichloroethene	N	ug/L	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U
cis-1,3-Dichloropropene	N	ug/L	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U
Cyclohexane	N	ug/L	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 5 U	NA	NA	< 5 U
Dibromomethane	N	ug/L	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U
Dichloromethane	N	ug/L	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 5 U	NA	NA	< 1 U
Ethylbenzene	N	ug/L	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U
Isopropylbenzene	N	ug/L	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U
m&p-Xylenes	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	N	ug/L	NA	NA	< 5 U	NA	NA	NA	NA	NA	< 5 U	NA	< 5 U	NA	< 5 UM	NA	< 5 U	NA	< 5 U	NA	NA	< 5 U
Methyl N-Butyl Ketone (2-Hexanone)	N	ug/L	NA	NA	< 5 U	NA	NA	NA	NA	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 5 UJ	NA	NA	< 5 U
Methylcyclohexane	N	ug/L	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 5 U	NA	NA	< 5 U
Methyl-tert-butylether	N	ug/L	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U
n-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenolics	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	N	ug/L	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U
tert-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	N	ug/L	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U
Toluene	N	ug/L	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U
Total Xylenes	N	ug/L	NA	NA	< 1.5 U	NA	NA	NA	NA	NA	< 1.5 U	NA	< 1.5 U	NA	< 1.5 U	NA	< 1.5 U	NA	< 3 U	NA	NA	< 1 U
trans-1,2-Dichloroethene	N	ug/L	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U
trans-1,3-Dichloropropene	N	ug/L	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U
trans-1,4-Dichloro-2-butene	N	ug/L	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 2 U	NA	< 2 U	NA	< 2 U	NA	< 2 U	NA	< 5 U	NA	NA	< 5 UJ
Trichloroethene	N	ug/L	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U
Vinyl acetate	N	ug/L	NA	NA	< 5 U	NA	NA	NA	NA	NA	R	NA	< 2 U	NA	R	NA	< 2 U	NA	< 5 U	NA	NA	< 5 UJ
Vinyl chloride	N	ug/L	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U
Leachate Indicators																						
Ammonia Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromide	N	mg/L	NA	NA	< 0 U	NA	NA	NA	NA	NA	< 0 U	NA	< 0 UM	NA	< 0 UM	NA	< 0 U	NA	< 0 U	NA	NA	< 0 U
Chloride	N	mg/L	NA	NA	**77.6 J**	NA	NA	NA	NA	NA	**85.33 M**	NA	**76 M**	NA	**64 M**	NA	**95**	NA	**110**	NA	**88.4 M**	NA
Fluoride (F-, Anion)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	N	mg/L	NA	NA	**20.7**	NA	NA	NA	NA	NA	**22.64**	NA	**21**	NA	**20 M**	NA	**22**	NA	**24 M**	NA	NA	**19.8**
Total Kjeldahl Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorus as PO4	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity	N	mg/L	NA	NA	**116 B**	NA	NA	NA	NA	NA	**118**	NA	**120**	NA	**110**	NA	**190**	NA	NA	NA	NA	**112 M**
Alkalinity (as CaCO3)	N	mg/L	NA	NA	**368 B**	NA	NA	NA	NA	NA	**168**	NA	**160 B**	NA	**160**	NA	**190**	NA	**207**	NA	NA	**190 M**
Alkalinity, Bicarbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Carbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Hydroxide	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Biological Oxygen Demand	N	mg/L	NA	NA	**5.77 B**	NA	NA	NA	NA	NA	< 0 U	NA	< 0 U	NA	**5.5**	NA	< 0 U	NA	**6.5**	NA	NA	NA
Carbon	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**2.24 J**	NA	NA	NA	NA	NA	NA	NA	NA	NA
CBOD	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**14.1 M**
Chemical Oxygen Demand	N	mg/L	NA	NA	**28.7**	NA	NA	NA	NA	NA	**53.1 B**	NA	**55**	NA	**38 J**	NA	R	NA	**11 J**	NA	NA	**12.7 M**
Color	N	COLOR UNIT	NA	NA	10	NA	NA	NA	NA	NA	< 0 U	NA	10	NA	< 0 U	NA	10	NA	< 0 U	NA	NA	5
Color	N	PCU	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	N	ug/L	NA	NA	< 0 U	NA	NA	NA	NA	NA	< 0 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	**10.4**
Hardness (as CaCO3)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	N	PH UNITS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids	N	mg/L	NA	NA	**292 S**	NA	NA	NA	NA	NA	**326**	NA	**300**	NA	**290**	NA	**300**	NA	NA	NA	NA	**310**
Total Dissolved Solids	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	NA	NA	**1.18 M**	NA	NA	NA	NA	NA	**4.4 J**	NA	NA	NA	**4.7 J**	NA	**1**	NA	**4.7 M**	NA	NA	**1.08 M**
Total Organic Carbon 2	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006
		Sample Date	6/22/2011	12/6/2011	6/21/2012	6/20/2013	6/17/2014	7/6/2015	8/24/2017	7/31/2018	8/10/1988	1/10/1989	4/25/2001	6/21/2001	9/24/2001	12/13/2001	3/20/2002	6/19/2002	9/24/2002	12/19/2002	3/17/2003	6/19/2003
		Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**																				
Metals																						
Aluminum	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	< 100 U	< 100 U	NA	< 200 U	NA	NA	NA	< 70	NA	NA	**770 J**	NA	NA	NA	NA	**43.6 F**	**42.1 F**	< 200 U	NA	NA
Antimony	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 43	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	< 1 U	< 1 U	NA	**0.79 F**	NA	NA	NA	**1.4**	NA	NA	< 4.1 U	NA	NA	NA	NA	**6.6 F**	**3.7 F**	< 50 U	NA	NA
Arsenic	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	**2.2**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	ug/L	< 1 UJ	< 1 U	NA	< 1 UJ	NA	NA	NA	< 1.0	NA	NA	< 4.4 U	NA	NA	NA	NA	< 30 U	< 30 U	< 30 U	NA	NA
Barium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	**8.7**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	ug/L	**11.1 B**	**5.87 F**	NA	**10.1**	NA	NA	NA	**12**	NA	NA	**35.4**	NA	NA	NA	NA	**14.7**	**19.6 J**	**19.9 F**	NA	NA
Beryllium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	< 2 U	**0.548 F**	NA	< 2 U	NA	NA	NA	< 0.30	NA	NA	< 0.1 U	NA	NA	NA	NA	< 5 U	< 5 U	< 4 U	NA	NA
Boron	T	ug/L	< 100 U	< 100 U	NA	< 100 U	NA	NA	NA	< 15	NA	NA	< 32.4 U	NA	NA	NA	NA	< 110 U	< 110 U	< 110 U	NA	NA
Cadmium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	ug/L	< 0.6 U	**0.847**	**0.392 F**	**0.37 F**	< 0.6 U	< 0.6 U	< 1.0	< 1.0	NA	NA	< 0.4 U	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	< 5 U	< 5 U	< 5 U
Calcium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	**53000**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	**35900 B**	**29500**	**42100 M**	**20800 M**	**51200 M**	**49400 M**	**57000**	**61000**	NA	NA	**70300**	**77945 M**	**74553 M**	**103583 J**	**74923 MJ**	**65112 MJ**	**72431 M**	**87122**	**85971 M**	**72808 M**
Chromium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	ug/L	**10.1 M**	**38.8**	NA	**60 M**	**15.6 M**	< 2 U	**2.8**	**1.1**	NA	NA	**3860**	NA	NA	NA	NA	**115**	**1555 J**	**985**	NA	NA
Chromium VI	D	mg/L	NA	**0.0073 F**	NA	**0.0228**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium VI	T	mg/L	NA	NA	NA	NA	NA	NA	NA	< 0.010	NA	NA	< 0.01 UJ	NA	NA	NA	NA	R	NA	NA	NA	NA
Cobalt	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	**4**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	< 1 U	< 1 U	NA	< 1 UJ	NA	NA	NA	< 0.20	NA	NA	**36.2**	NA	NA	NA	NA	< 6 U	**3.72 F**	**0.7 F**	NA	NA
Copper	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 3.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	< 5 UJ	**3.3 F**	NA	**3.55 F**	NA	NA	NA	**0.81**	NA	NA	**52.7**	NA	NA	NA	NA	< 10 U	**24.7**	**23.6**	NA	NA
Iron	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	**103**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	**355 M**	**457**	**816 M**	**1420 M**	**653**	**393**	**760**	**350**	NA	NA	**20600**	**7548**	**2137**	**4151 J**	**5776**	**498 M**	**6403 J**	**5531**	**5464 J**	**385 J**
Lead	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	ug/L	**0.969 F**	**0.968 F**	**1.61**	**4.27**	**1.19**	< 1 U	**13**	**28**	NA	NA	< 2.1 U	< 25 U	< 25 U	**4.5 F**	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U
Magnesium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	**21000**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	**18800 B**	**17400**	**19100 M**	**17500**	**19400 M**	**17500**	**20000**	**21000**	NA	NA	**21900**	**24552**	**24098**	**32092**	**24389**	**21285 MJ**	**23085**	**26168**	**26371 M**	**21161 M**
Manganese	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	**4.4**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	**194 B**	**81.3**	**166 M**	**194 J**	**148**	**129**	**120**	**150**	NA	NA	**431**	**108**	**34.5**	**19 B**	**62.9**	**7.96**	**74.5**	**26.8**	**13.4**	**6.5 J**
Mercury	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	< 0.2 U	< 0.2 U	NA	< 0.2 U	NA	NA	NA	< 0.080	NA	NA	< 0.1 U	NA	NA	NA	NA	< 1 UM	NA	NA	NA	NA
Nickel	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	**30**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	**4.39 M**	**21.1**	NA	**21.2 M**	NA	NA	NA	**0.34**	NA	NA	**108**	NA	NA	NA	NA	**2.2 F**	**42 J**	**32.7**	NA	NA
Potassium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2360	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	**11400 B**	**21300**	**14000**	**35700**	**6760 M**	**1240**	**4100**	**1400**	NA	NA	**1820 J**	**1568 J**	**1834 J**	**1613**	**1895**	**1730**	**1965**	**1164**	**2223**	**1039 J**
Selenium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	**10**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	< 1 U	< 1 U	NA	< 1 U	NA	NA	NA	< 2.0	NA	NA	< 9.9 U	NA	NA	NA	NA	< 30 U	< 30 U	< 30 U	NA	NA
Silver	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	< 1 U	< 1 U	NA	< 1 U	NA	NA	NA	< 0.10	NA	NA	< 0.9 U	NA	NA	NA	NA	< 10 U	< 10 U	< 10 U	NA	NA
Sodium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	**6440**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	**31700 B**	**39800**	**36900 M**	**47400**	**49400**	**42800**	**43000**	**36000**	NA	NA	**142000**	**116200**	**119915**	**139349**	**175476 M**	**157350 MJ**	**176248 M**	**207910**	**211738 M**	**206354 M**
Thallium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	< 0.2 U	< 0.2 U	NA	< 0.2 U	NA	NA	NA	< 0.20	NA	NA	< 4.3 U	NA	NA	NA	NA	**5.4 F**	**4.4 F**	< 80 U	NA	NA
Vanadium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	< 1 U	< 1 U	NA	< 5 UM	NA	NA	NA	< 2.0	NA	NA	**32**	NA	NA	NA	NA	< 10 U	**9.1 F**	**6.3 F**	NA	NA
Zinc	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	**15**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	**5.6 F**	**21.7**	NA	**36.6**	NA	NA	NA	< 8.0	NA	NA	**9.4 B**	NA	NA	NA	NA	**11.9**	**5.2 F**	**3.5 F**	NA	NA
Total Recoverable Phenolics	N	mg/L	NA	**0.0049 F**	NA	< 0.005 U	NA	NA	NA	NA	NA	NA	< 0.005 UJ	NA	NA	NA	NA	< 0.005 UM	NA	NA	NA	NA
VOCs																						
1,1,1-Trichloroethane	N	ug/L	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	NA	< 5 [< 0.3]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	N	ug/L	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.80	NA	< 5 [< 0.3]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
1,1,2-trichloro-1,2,2-trifluoroethane	N	ug/L	NA	< 5 U	NA	< 5 U	NA	NA	NA	< 1.6	NA	< 1	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
1,1,2-Trichloroethane	N	ug/L	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.80	NA	< 5 [< 0.2]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
1,1-Dichloroethane	N	ug/L	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.80	NA	< 5 [< 0.4]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
1,1-Dichloroethene	N	ug/L	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.80	NA	< 5 [< 0.3]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
1,2,3-Trichloropropane	N	ug/L	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.80	NA	NA	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA
1,2,3-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	N	ug/L	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
1,2,4-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	N	ug/L	NA	< 2 U	NA	< 2 U	NA	NA	NA	< 1.6	NA	NA	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA
1,2-Dibromoethane	N	ug/L	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	NA	NA	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA
1,2-Dichlorobenzene	N	ug/L	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	NA	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
1,2-Dichloroethane	N	ug/L	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	NA	< 5 [< 0.3]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
1,2-Dichloroethene, Total	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 5	< 5 [< 0.5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	N	ug/L	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	< 5	< 5 [< 0.2]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
1,3,5-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	N	ug/L	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	NA	< 1	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
1,3-Dichloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	N	ug/L	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	NA	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
1,4-Dioxane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	< 160	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	N	ug/L	NA	< 5 U	NA	< 5 U	NA	NA	NA	< 4.0	< 10	< 10	NA	NA	NA	NA	NA	< 5 UM	NA	NA	NA	NA

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		Location	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006
		Sample Date	6/22/2011	12/6/2011	6/21/2012	6/20/2013	6/17/2014	7/6/2015	8/24/2017	7/31/2018	8/10/1988	1/10/1989	4/25/2001	6/21/2001	9/24/2001	12/13/2001	3/20/2002	6/19/2002	9/24/2002	12/19/2002	3/17/2003	6/19/2003
		Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**																				
2-Chloroethyl vinyl ether	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	N	ug/L	NA	< 5 U	NA	< 5 U	NA	NA	NA	< 3.2	< 10	< 10	< 2 U	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA
Acetone	N	ug/L	NA	< 5 U	NA	< 5 U	NA	NA	NA	**17**	< 10	< 10	NA	NA	NA	NA	NA	< 10 UM	NA	NA	NA	NA
Acrylonitrile	N	ug/L	NA	< 5 U	NA	< 5 U	NA	NA	NA	< 4.0	NA	NA	NA	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA
Benzene	N	ug/L	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	< 5	< 5	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Bromochloromethane	N	ug/L	NA	< 1 U	NA	< 1 U	NA	NA	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Bromodichloromethane	N	ug/L	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	< 5	< 5 [< 0.4]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Bromoform	N	ug/L	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	NA	< 5 [< 0.5]	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA
Bromomethane	N	ug/L	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.80	NA	< 10 [< 0.5]	< 2 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Carbon Disulfide	N	ug/L	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 1.6	NA	< 5	< 1 U	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA
Carbon Tetrachloride	N	ug/L	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	NA	< 5 [< 0.3]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
CFC-11	N	ug/L	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.80	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
CFC-12	N	ug/L	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Chlorobenzene	N	ug/L	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	< 5	< 5 [< 0.4]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Chlorodibromomethane	N	ug/L	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	NA	< 5 [< 0.4]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Chloroethane	N	ug/L	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 1.6	NA	< 10 [< 0.5]	< 2 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Chloroform	N	ug/L	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	< 5	< 5 [< 0.2]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Chloromethane	N	ug/L	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.80	NA	< 10 [< 0.5]	< 2 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
cis-1,2-Dichloroethene	N	ug/L	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
cis-1,3-Dichloropropene	N	ug/L	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	NA	< 5 [< 0.3]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Cyclohexane	N	ug/L	NA	< 5 U	NA	< 5 U	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Dibromomethane	N	ug/L	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	NA	NA	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA
Dichloromethane	N	ug/L	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.80	**2**	**3 [< 1]**	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA
Ethylbenzene	N	ug/L	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	< 5	< 5	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Isopropylbenzene	N	ug/L	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
m&p-Xylenes	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	N	ug/L	NA	< 5 U	NA	< 5 U	NA	NA	NA	< 4.0	NA	NA	NA	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA
Methyl N-Butyl Ketone (2-Hexanone)	N	ug/L	NA	< 5 U	NA	< 5 U	NA	NA	NA	< 4.0	< 10	< 10	< 2 U	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA
Methylcyclohexane	N	ug/L	NA	< 5 U	NA	< 5 U	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Methyl-tert-butylether	N	ug/L	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.80	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
n-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenolics	N	mg/L	NA	NA	NA	NA	NA	NA	NA	< 0.010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	N	ug/L	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	NA	< 5	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA
tert-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	N	ug/L	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	< 5	< 5 [< 0.2]	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA
Toluene	N	ug/L	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	< 5	< 5	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Total Xylenes	N	ug/L	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.80	< 5	< 5	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
trans-1,2-Dichloroethene	N	ug/L	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
trans-1,3-Dichloropropene	N	ug/L	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	NA	< 5 [< 0.3]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
trans-1,4-Dichloro-2-butene	N	ug/L	NA	< 5 U	NA	< 5 U	NA	NA	NA	< 1.6	NA	NA	< 1 U	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA
Trichloroethene	N	ug/L	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	< 5	< 5 [< 0.5]	< 1 U	NA	NA	NA	NA	**0.11 F**	NA	NA	NA	NA
Vinyl acetate	N	ug/L	NA	< 5 U	NA	< 5 U	NA	NA	NA	< 2.0	NA	< 10	< 4 U	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA
Vinyl chloride	N	ug/L	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.20	< 10	< 10 [< 0.3]	< 2 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Leachate Indicators																						
Ammonia Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	**0.35**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromide	N	mg/L	NA	< 0 U	NA	< 0.8 U	NA	NA	NA	< 0.20	NA	NA	< 0 U	NA	NA	NA	NA	RU	NA	NA	NA	NA
Chloride	N	mg/L	NA	NA	NA	**79.5 J**	NA	NA	NA	**100**	NA	NA	**249**	NA	NA	NA	NA	**265 M**	NA	NA	NA	NA
Fluoride (F-, Anion)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	N	mg/L	NA	NA	NA	NA	NA	NA	NA	< 0.10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	N	mg/L	NA	**18**	NA	**27**	NA	NA	NA	**26**	NA	NA	**27.1**	NA	NA	NA	NA	**22.2**	NA	NA	NA	NA
Total Kjeldahl Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	**0.63**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorus as PO4	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity	N	mg/L	NA	**108**	NA	**98.7**	NA	NA	NA	**130**	NA	NA	**170**	NA	NA	NA	NA	**186 S**	NA	NA	NA	NA
Alkalinity (as CaCO3)	N	mg/L	NA	**146**	NA	**112**	NA	NA	NA	NA	NA	NA	**255**	NA	NA	NA	NA	**321 B**	NA	NA	NA	NA
Alkalinity, Bicarbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	**130**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Carbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	< 5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Hydroxide	N	mg/L	NA	NA	NA	NA	NA	NA	NA	< 5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Biological Oxygen Demand	N	mg/L	NA	NA	NA	NA	NA	NA	NA	< 0.59	NA	NA	< 0 U	NA	NA	NA	NA	R	NA	NA	NA	NA
Carbon	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CBOD	N	mg/L	NA	**1.74 F**	NA	< 0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chemical Oxygen Demand	N	mg/L	NA	**14 F**	NA	< 0 U	NA	NA	NA	< 20	NA	NA	**17**	NA	NA	NA	NA	**10 B**	NA	NA	NA	NA
Color	N	COLOR UNIT	NA	< 0 U	NA	< 0 U	NA	NA	NA	NA	NA	NA	30	NA	NA	NA	NA	30 B	NA	NA	NA	NA
Color	N	PCU	NA	NA	NA	NA	NA	NA	NA	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	N	ug/L	NA	**26.4**	NA	< 1 U	NA	NA	NA	< 5	NA	NA	< 0 U	NA	NA	NA	NA	< 0 U	NA	NA	NA	NA
Hardness (as CaCO3)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	**230**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	N	PH UNITS	NA	8.73	NA	NA	NA	NA	NA	NA	NA	5.2 [5.1 [5.1]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids	N	mg/L	NA	**244**	NA	**240**	NA	NA	NA	**310**	NA	NA	**600**	NA	NA	NA	NA	**785 SB**	NA	NA	NA	NA
Total Dissolved Solids	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	NA	**1.95**	NA	**1.33 B**	NA	NA	NA	NA	NA	NA	**3.5 J**	NA	NA	NA	NA	**1.31 S**	NA	NA	NA	NA
Total Organic Carbon 2	N	mg/L	NA	NA	NA	NA	NA	NA	NA	< 0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006
		Sample Date	9/26/2003	1/13/2004	3/23/2004	6/28/2004	9/21/2004	12/15/2004	3/24/2005	6/23/2005	12/13/2005	6/27/2006	1/3/2007	7/10/2007	12/3/2007	6/24/2009	12/7/2009	6/23/2010	12/6/2010	12/6/2010	6/22/2011	12/6/2011
		Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**																				
Metals																						
Aluminum	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	**208 M**	NA	NA	NA	NA	NA	**50 F**	NA	**107 F**	NA	< 200 U	NA	**164 F**	NA	**40 J**	NA	NA	**108**	**102**	< 100 U
Antimony	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	< 50 U	NA	NA	NA	NA	NA	< 50 U	NA	**7.29 F**	NA	< 50 U	NA	**1.81 F**	NA	**0.47 F**	NA	NA	< 1 U	< 1 U	< 1 U
Arsenic	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	ug/L	< 30 U	NA	NA	NA	NA	NA	< 30 U	NA	< 30 U	NA	< 30 U	NA	< 30 U	NA	**1.7 F**	NA	NA	**2.69 M**	**1.46 J**	< 1 U
Barium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	ug/L	**24.5 F**	NA	NA	NA	NA	NA	**13.8 F**	NA	**15.3 F**	NA	**16.5 F**	NA	**45.8 F**	NA	**59**	NA	NA	**41.6**	**31.6 B**	**14.4**
Beryllium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	< 4 U	NA	NA	NA	NA	NA	< 4 U	NA	< 4 U	NA	< 4 U	NA	< 4 U	NA	< 1 U	NA	NA	< 2 U	**0.673 F**	**0.657 F**
Boron	T	ug/L	**40.4 F**	NA	NA	NA	NA	NA	**6 F**	NA	NA	NA	**4.14 F**	NA	**12.5 F**	NA	**12**	NA	NA	< 100 U	**66.8 F**	< 100 U
Cadmium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	ug/L	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 1 U	< 1 U	**0.729**	NA	< 0.6 U	< 0.6 U	< 0.6 U
Calcium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	**70095**	**88214**	**101720**	**85293 M**	**59644 M**	**69405 M**	**62340 M**	**80000 M**	**57700**	**61000**	**78700**	**75900 M**	**65800**	**74000**	**91000 M**	**88700 M**	**75800 M**	NA	**74600 B**	**57300**
Chromium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	ug/L	**4811**	NA	NA	NA	NA	NA	**101 J**	NA	**1100 J**	NA	**46.1**	NA	**614**	NA	**2300**	NA	**2080 M**	NA	NA	NA
Chromium VI	D	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1 U	NA	< 0.01 U
Chromium VI	T	mg/L	< 0.01 U	NA	NA	NA	NA	NA	**0.003 J**	NA	R	NA	< 0.01 U	NA	< 0.01 U	NA	**0.002 F**	NA	NA	NA	NA	NA
Cobalt	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	**14.7 F**	NA	NA	NA	NA	NA	< 60 U	NA	< 60 U	NA	< 60 U	NA	**28.8 F**	NA	**20**	NA	NA	**25.1 M**	**8.04**	**3.28**
Copper	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	**112**	NA	NA	NA	NA	NA	R	NA	**22.4**	NA	< 10 U	NA	**16.7**	NA	**33**	NA	NA	**32.1**	**41.3 J**	**10.5**
Iron	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	**20388**	**20842**	**1053**	**10768 J**	**7448**	**8324 J**	**676 J**	**4200 M**	**4070 J**	**429 J**	**338 J**	**15700 M**	**6450**	**33000 M**	**14000**	**56600 M**	NA	**13300 M**	**11600 M**	**3290**
Lead	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	ug/L	< 25 U	**6.1 F**	< 25 U	< 25 U	< 25 U	< 25 U	R	R	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	**0.51 F**	**0.28 F**	**1.89**	NA	< 1 U	< 1 U	< 1 U
Magnesium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	**20043**	**25990**	**27240 M**	**26256**	**17694**	**20601**	**19600**	**26000**	**19000**	**21800**	**26600**	**25000**	**21700**	**21000**	**28000**	**22100 M**	NA	**18300**	**18100**	**15900**
Manganese	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	**181**	**454**	**16.2**	**38.9**	**65.4**	**38.3**	**33 J**	**15**	**11.3 J**	**141**	**319 J**	**12100 M**	**10000**	**8600 M**	**2200**	**15200 M**	NA	**2210 M**	**653**	**270**
Mercury	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	< 1 U	NA	NA	NA	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	**0.068 F**	NA	NA	< 0.2 U	< 0.2 U	< 0.2 U
Nickel	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	**133**	NA	NA	NA	NA	NA	**7 J**	NA	**45 J**	NA	**7.61 F**	NA	**333**	NA	**290**	NA	NA	**226 M**	**109 M**	**44.8**
Potassium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	**1199**	**2559**	**1550**	**1262**	**808 F**	**1333 J**	**1450 J**	**1500 J**	**1540 J**	**1470**	**1510 J**	**1610 J**	**1570**	**1600**	**1700**	**1550 M**	NA	**1400**	**1410 B**	**1230**
Selenium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	**6.7 F**	NA	NA	NA	NA	NA	< 30 U	NA	< 30 U	NA	< 30 U	NA	**5.29 F**	NA	< 5 U	NA	NA	< 1 U	< 1 U	< 1 U
Silver	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	< 10 U	NA	NA	NA	NA	NA	< 10 U	NA	< 10 U	NA	< 10 U	NA	< 10 U	NA	**0.27 M**	NA	NA	< 1 U	< 1 U	< 1 U
Sodium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	**216377**	**251148**	**280767 M**	**282045**	**250422 M**	**254613 M**	**217400**	**220000 M**	**200000**	**161000**	**181000 J**	**178000 M**	**164000**	**240000 M**	**260000**	**252000 M**	**262000 M**	NA	NA	**170000**
Thallium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	< 80 U	NA	NA	NA	NA	NA	< 80 U	NA	< 80 U	NA	< 80 U	NA	< 80 U	NA	**0.1 F**	NA	NA	**0.178 M**	< 0.2 U	< 0.2 U
Vanadium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	**31.9**	NA	NA	NA	NA	NA	**2 J**	NA	**4.37 F**	NA	**1.11 F**	NA	**9.57 F**	NA	< 25 U	NA	< 10 UM	NA	NA	NA
Zinc	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	**3.8 F**	NA	NA	NA	NA	NA	**10 F**	NA	**6.12 F**	NA	**9.73 F**	NA	**7.57 J**	NA	**9 M**	NA	NA	**5.66 F**	**6.32 F**	**6.32 F**
Total Recoverable Phenolics	N	mg/L	**0.0031 J**	NA	NA	NA	NA	NA	**0.0031 F**	NA	**0.002 F**	NA	< 0.005 U	NA	< 0.005 U	NA	< 0.05 UM	NA	NA	**0.0061 B**	NA	< 0.005 U
VOCs																						
1,1,1-Trichloroethane	N	ug/L	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U
1,1,2,2-Tetrachloroethane	N	ug/L	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U
1,1,2-trichloro-1,2,2-trifluoroethane	N	ug/L	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 5 U	NA	< 5 U
1,1,2-Trichloroethane	N	ug/L	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U
1,1-Dichloroethane	N	ug/L	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U
1,1-Dichloroethene	N	ug/L	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U
1,2,3-Trichloropropane	N	ug/L	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U
1,2,3-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	N	ug/L	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	**0.41 F**	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U
1,2,4-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	N	ug/L	< 1 U	NA	NA	NA	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 2 U	NA	NA	< 2 U	NA	< 2 U
1,2-Dibromoethane	N	ug/L	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U
1,2-Dichlorobenzene	N	ug/L	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U
1,2-Dichloroethane	N	ug/L	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U
1,2-Dichloroethene, Total	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	N	ug/L	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U
1,3,5-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	N	ug/L	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U
1,3-Dichloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	N	ug/L	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U
1,4-Dioxane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	N	ug/L	< 5 U	NA	NA	NA	NA	NA	< 5 U	NA	R	NA	< 5 U	NA	< 5 U	NA	< 10 U	NA	NA	< 5 U	NA	< 5 U

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Fifth Five-Year Review

		Location	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006
		Sample Date	9/26/2003	1/13/2004	3/23/2004	6/28/2004	9/21/2004	12/15/2004	3/24/2005	6/23/2005	12/13/2005	6/27/2006	1/3/2007	7/10/2007	12/3/2007	6/24/2009	12/7/2009	6/23/2010	12/6/2010	12/6/2010	6/22/2011	12/6/2011
		Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**																				
2-Chloroethyl vinyl ether	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	N	ug/L	< 5 U	NA	NA	NA	NA	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 10 U	NA	NA	< 5 U	NA	< 5 U
Acetone	N	ug/L	< 5 U	NA	NA	NA	NA	NA	R	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 20 U	NA	NA	< 5 U	NA	< 5 U
Acrylonitrile	N	ug/L	< 5 U	NA	NA	NA	NA	NA	< 4 U	NA	< 4 U	NA	< 4 U	NA	< 4 U	NA	< 1 U	NA	NA	< 5 U	NA	< 5 U
Benzene	N	ug/L	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U
Bromochloromethane	N	ug/L	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U
Bromodichloromethane	N	ug/L	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U
Bromoform	N	ug/L	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U
Bromomethane	N	ug/L	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U
Carbon Disulfide	N	ug/L	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 5 U	NA	NA	< 1 U	NA	< 1 U
Carbon Tetrachloride	N	ug/L	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U
CFC-11	N	ug/L	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U
CFC-12	N	ug/L	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U
Chlorobenzene	N	ug/L	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U
Chlorodibromomethane	N	ug/L	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U
Chloroethane	N	ug/L	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 UM	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U
Chloroform	N	ug/L	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U
Chloromethane	N	ug/L	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	R	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U
cis-1,2-Dichloroethene	N	ug/L	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U
cis-1,3-Dichloropropene	N	ug/L	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U
Cyclohexane	N	ug/L	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	**6.2**	NA	**0.68**	NA	< 5 U	NA	NA	< 5 U	NA	< 5 U
Dibromomethane	N	ug/L	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U
Dichloromethane	N	ug/L	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 5 U	NA	NA	< 1 U	NA	< 1 U
Ethylbenzene	N	ug/L	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	**12.1**	NA	**0.39 F**	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U
Isopropylbenzene	N	ug/L	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	**6.82**	NA	**0.16 F**	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U
m&p-Xylenes	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	N	ug/L	< 5 U	NA	NA	NA	NA	NA	< 5 U	NA	< 5 U	NA	R	NA	< 5 U	NA	< 5 U	NA	NA	< 5 U	NA	< 5 U
Methyl N-Butyl Ketone (2-Hexanone)	N	ug/L	< 5 U	NA	NA	NA	NA	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	R	NA	< 5 UJ	NA	NA	< 5 U	NA	< 5 U
Methylcyclohexane	N	ug/L	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	**4.44**	NA	**0.18 F**	NA	< 5 U	NA	NA	< 5 U	NA	< 5 U
Methyl-tert-butylether	N	ug/L	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U
n-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenolics	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	N	ug/L	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U
tert-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	N	ug/L	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U
Toluene	N	ug/L	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U
Total Xylenes	N	ug/L	< 1.5 U	NA	NA	NA	NA	NA	< 1.5 U	NA	< 1.5 U	NA	**0.72 F**	NA	< 1.5 U	NA	< 3 U	NA	NA	< 1 U	NA	< 1 U
trans-1,2-Dichloroethene	N	ug/L	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U
trans-1,3-Dichloropropene	N	ug/L	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U
trans-1,4-Dichloro-2-butene	N	ug/L	< 0.5 U	NA	NA	NA	NA	NA	< 2 U	NA	< 2 U	NA	< 2 U	NA	< 2 U	NA	< 5 U	NA	NA	< 5 UJ	NA	< 5 U
Trichloroethene	N	ug/L	< 0.5 U	NA	NA	NA	NA	NA	**0.11 F**	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U
Vinyl acetate	N	ug/L	< 5 U	NA	NA	NA	NA	NA	R	NA	R	NA	R	NA	< 2 U	NA	< 5 U	NA	NA	< 5 UJ	NA	< 5 U
Vinyl chloride	N	ug/L	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U
Leachate Indicators																						
Ammonia Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromide	N	mg/L	< 0 U	NA	NA	NA	NA	NA	< 0 U	NA	< 0 UM	NA	< 0 UM	NA	**0.05 F**	NA	< 0 U	NA	NA	< 0 U	NA	< 0 U
Chloride	N	mg/L	**355 J**	NA	NA	NA	NA	NA	**320 M**	NA	**310 M**	NA	**320 M**	NA	**260 M**	NA	**420**	NA	**361 M**	NA	NA	NA
Fluoride (F-, Anion)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	N	mg/L	**27.1**	NA	NA	NA	NA	NA	**24.13**	NA	**29**	NA	**26 M**	NA	**25**	NA	**30 M**	NA	NA	**33.5**	NA	**23.6**
Total Kjeldahl Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorus as PO4	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity	N	mg/L	**179 B**	NA	NA	NA	NA	NA	**190**	NA	**230**	NA	**230**	NA	**200**	NA	NA	NA	NA	**212 M**	NA	**183**
Alkalinity (as CaCO3)	N	mg/L	**455 B**	NA	NA	NA	NA	NA	**228**	NA	**240 B**	NA	**320**	NA	**260**	NA	**328**	NA	NA	**240 M**	NA	**198**
Alkalinity, Bicarbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Carbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Hydroxide	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Biological Oxygen Demand	N	mg/L	**11.98 B**	NA	NA	NA	NA	NA	< 0 U	NA	< 0 U	NA	< 0 U	NA	< 0 U	NA	< 0 U	NA	NA	NA	NA	NA
Carbon	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	**2.49 J**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CBOD	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0 UM	NA	< 0 U
Chemical Oxygen Demand	N	mg/L	**26.2 M**	NA	NA	NA	NA	NA	**11.6 B**	NA	**9.3 F**	NA	**11 J**	NA	**17 J**	NA	< 0 UJ	NA	NA	< 0 UM	NA	< 0 U
Color	N	COLOR UNIT	< 0 U	NA	NA	NA	NA	NA	< 0 U	NA	10	NA	< 0 U	NA	< 0 U	NA	250	NA	NA	5	NA	< 0 U
Color	N	PCU	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	N	ug/L	**5 F**	NA	NA	NA	NA	NA	**5 F**	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	**47.8**	NA	**6.4 F**
Hardness (as CaCO3)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	N	PH UNITS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.62
Total Dissolved Solids	N	mg/L	**834 S**	NA	NA	NA	NA	NA	**866**	NA	**750**	NA	**850**	NA	**670**	NA	NA	NA	NA	**844**	NA	**622**
Total Dissolved Solids	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	**2.34 J**	NA	NA	NA	NA	NA	**1.8 J**	NA	NA	NA	**2 J**	NA	**3.7**	NA	**1.4 M**	NA	NA	**2.03 M**	NA	**1.94**
Total Organic Carbon 2	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-007
		Sample Date	6/21/2012	6/25/2013	6/18/2014	6/18/2014	7/6/2015	8/24/2017	8/1/2018	8/10/1988	1/10/1989	4/25/2001	6/21/2001	9/24/2001	12/13/2001	3/20/2002	6/19/2002	9/24/2002	12/19/2002	3/25/2003	6/20/2003	9/26/2003
		Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**																				
Metals																						
Aluminum	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	NA	< 200 U	NA	NA	NA	NA	< 70	NA	NA	**70.8 B**	NA	NA	NA	NA	**33.1 F**	< 200 U	**29.7 F**	NA	NA	< 200 U
Antimony	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 43	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	NA	< 1 U	NA	NA	NA	NA	< 1.0	NA	NA	< 4.1 U	NA	NA	NA	NA	**6.1 F**	**3.4 F**	< 50 U	NA	NA	< 50 U
Arsenic	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	**4.4**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	ug/L	NA	< 1 UJ	NA	NA	NA	NA	**15**	NA	NA	< 4.4 U	NA	NA	NA	NA	< 30 U	< 30 U	< 30 U	NA	NA	< 30 U
Barium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	**5.4**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	ug/L	NA	**7.3 F**	NA	NA	NA	NA	**86**	NA	NA	**20.8**	NA	NA	NA	NA	**15.3**	**17.1 J**	**17.3 F**	NA	NA	**20.5 F**
Beryllium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	NA	< 2 U	NA	NA	NA	NA	**0.089**	NA	NA	< 0.1 U	NA	NA	NA	NA	< 5 U	< 5 U	< 4 U	NA	NA	< 4 U
Boron	T	ug/L	NA	< 100 U	NA	NA	NA	NA	**15**	NA	NA	< 32.4 U	NA	NA	NA	NA	< 110 U	< 110 U	< 110 U	NA	NA	**28.2 F**
Cadmium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	ug/L	< 0.6 U	< 0.6 U	< 0.6 U	NA	< 0.6 U	< 1.0	< 1.0	NA	NA	< 0.4 U	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	< 5 U	< 5 U	< 5 U	< 5 U
Calcium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	**36100**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	**58900 M**	**46100 M**	**49100 M**	NA	**50300 M**	**62000**	**66000**	NA	NA	**70300**	**66069 M**	**69499 M**	**73247 J**	**67410 MJ**	**49404 MJ**	**63628 M**	**70293**	**74501 M**	**70875 M**	**72231**
Chromium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	**3**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	ug/L	NA	**284 M**	NA	**1490 M**	**54**	**8600**	**1.4**	NA	NA	**68.6**	NA	NA	NA	NA	**39.2**	**11.4 J**	**10**	NA	NA	**11.7**
Chromium VI	D	mg/L	NA	< 0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium VI	T	mg/L	NA	NA	NA	NA	NA	NA	< 0.010	NA	NA	< 0.01 UJ	NA	NA	NA	NA	R	NA	NA	NA	NA	< 0.01 U
Cobalt	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	**4.8**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	NA	**2.56 J**	NA	NA	NA	NA	**5.3**	NA	NA	< 0.6 U	NA	NA	NA	NA	< 6 U	< 6 U	< 60 U	NA	NA	< 60 U
Copper	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	**103**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	NA	**4.07 F**	NA	NA	NA	NA	< 1.8	NA	NA	**8.1 B**	NA	NA	NA	NA	< 10 U	< 10 U	**7 F**	NA	NA	< 10 U
Iron	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	**13300**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	**1230 M**	**1490 M**	**7710**	NA	**231**	**47000**	**880**	NA	NA	**769**	**332**	**394**	**780 J**	**461**	**457 M**	**350 J**	**594**	**703 J**	**402**	**1879**
Lead	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 0.91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	ug/L	< 1 U	< 1 U	< 1 U	NA	< 1 U	**0.27**	< 0.70	NA	NA	< 2.1 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U
Magnesium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	**72**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	**15300 M**	**11900**	**13100 M**	NA	**14200**	**18000**	**20000**	NA	NA	**24000**	**23644**	**25750**	**26460**	**27141**	**21423 MJ**	**26466**	**27225**	**27781 M**	**26668 M**	**27697**
Manganese	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 24	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	**81.2 M**	**245 J**	**707**	NA	**29**	**2400**	**190**	NA	NA	**388**	**126**	**166**	**435 B**	**191**	**207**	**183**	**305**	**180**	**127**	**513**
Mercury	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	NA	< 0.2 U	NA	NA	NA	NA	< 0.080	NA	NA	< 0.1 U	NA	NA	NA	NA	< 1 UM	NA	NA	NA	NA	< 1 U
Nickel	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 2360	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	NA	**27 M**	NA	NA	NA	NA	**6.1**	NA	NA	**37.8**	NA	NA	NA	NA	**22.1**	**5.4 F**	**7.7 F**	NA	NA	**18 F**
Potassium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	**10**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	**1180**	**1080**	**1250 M**	NA	**1190**	**1400**	**1400**	NA	NA	**7430 J**	**4730 J**	**2823 J**	**7892**	**11986**	**15444**	**10729**	**8085**	**5242**	**6850**	**7521**
Selenium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	NA	**0.505 F**	NA	NA	NA	NA	< 2.0	NA	NA	< 9.9 U	NA	NA	NA	NA	< 30 U	< 30 U	**6.1 F**	NA	NA	**19 F**
Silver	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	**6440**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	NA	< 1 U	NA	NA	NA	NA	< 0.10	NA	NA	< 0.9 U	NA	NA	NA	NA	< 10 U	< 10 U	< 10 U	NA	NA	< 10 U
Sodium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 2.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	**189000 M**	**158000**	**151000**	NA	**129000**	**190000**	**130000**	NA	NA	**83200**	**82171**	**88558**	**92330**	**96204 M**	**82350 MJ**	**106452 M**	**111361**	**109812 M**	**103028 M**	**110003**
Thallium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	NA	< 0.2 U	NA	NA	NA	NA	< 0.20	NA	NA	< 4.3 U	NA	NA	NA	NA	< 80 U	**4.4 F**	**9.5 F**	NA	NA	< 80 U
Vanadium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	**15**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	NA	< 20 UM	NA	NA	NA	NA	**2.0**	NA	NA	< 1 U	NA	NA	NA	NA	< 10 U	< 10 U	**1.8 F**	NA	NA	< 10 U
Zinc	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	NA	< 20 U	NA	NA	NA	NA	**19**	NA	NA	**51.8**	NA	NA	NA	NA	**13.8**	**10.4**	**9.6 F**	NA	NA	**3.9 F**
Total Recoverable Phenolics	N	mg/L	NA	**0.0034 F**	NA	NA	NA	NA	NA	NA	NA	< 0.005 UJ	NA	NA	NA	NA	< 0.005 UM	NA	NA	NA	NA	**0.0049 J**
VOCs																						
1,1,1-Trichloroethane	N	ug/L	NA	< 1 U	NA	NA	NA	NA	< 0.40	NA	< 5 [< 0.3]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U
1,1,2,2-Tetrachloroethane	N	ug/L	NA	< 1 U	NA	NA	NA	NA	< 0.80	NA	< 5 [< 0.3]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U
1,1,2-trichloro-1,2,2-trifluoroethane	N	ug/L	NA	< 5 U	NA	NA	NA	NA	< 1.6	NA	< 1	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U
1,1,2-Trichloroethane	N	ug/L	NA	< 1 U	NA	NA	NA	NA	< 0.80	NA	< 5 [< 0.2]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U
1,1-Dichloroethane	N	ug/L	NA	< 1 U	NA	NA	NA	NA	< 0.80	NA	< 5 [< 0.4]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U
1,1-Dichloroethene	N	ug/L	NA	< 1 U	NA	NA	NA	NA	< 0.80	NA	< 5 [< 0.3]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U
1,2,3-Trichloropropane	N	ug/L	NA	< 1 U	NA	NA	NA	NA	< 0.80	NA	NA	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U
1,2,3-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	N	ug/L	NA	< 1 U	NA	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U
1,2,4-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	N	ug/L	NA	< 2 U	NA	NA	NA	NA	< 1.6	NA	NA	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 1 U
1,2-Dibromoethane	N	ug/L	NA	< 1 U	NA	NA	NA	NA	< 0.40	NA	NA	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U
1,2-Dichlorobenzene	N	ug/L	NA	< 1 U	NA	NA	NA	NA	< 0.40	NA	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U
1,2-Dichloroethane	N	ug/L	NA	< 1 U	NA	NA	NA	NA	< 0.40	NA	< 5 [< 0.3]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U
1,2-Dichloroethene, Total	N	ug/L	NA	NA	NA	NA	NA	NA	NA	< 5	< 5 [< 0.5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	N	ug/L	NA	< 1 U	NA	NA	NA	NA	< 0.40	< 5	< 5 [< 0.2]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U
1,3,5-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	N	ug/L	NA	< 1 U	NA	NA	NA	NA	< 0.40	NA	< 1	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U
1,3-Dichloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	N	ug/L	NA	< 1 U	NA	NA	NA	NA	< 0.40	NA	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U
1,4-Dioxane	N	ug/L	NA	NA	NA	NA	NA	NA	< 160	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	N	ug/L	NA	< 5 UJ	NA	NA	NA	NA	< 4.0	< 10	< 10	NA	NA	NA	NA	NA	< 5 UM	NA	NA	NA	NA	< 5 U

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-007
		Sample Date	6/21/2012	6/25/2013	6/18/2014	6/18/2014	7/6/2015	8/24/2017	8/1/2018	8/10/1988	1/10/1989	4/25/2001	6/21/2001	9/24/2001	12/13/2001	3/20/2002	6/19/2002	9/24/2002	12/19/2002	3/25/2003	6/20/2003	9/26/2003
		Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**																				
2-Chloroethyl vinyl ether	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	N	ug/L	NA	< 5 UJ	NA	NA	NA	NA	< 3.2	< 10	< 10	< 2 U	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	< 5 U
Acetone	N	ug/L	NA	< 5 U	NA	NA	NA	NA	**11**	< 10	< 10	NA	NA	NA	NA	NA	< 10 UM	NA	NA	NA	NA	< 5 U
Acrylonitrile	N	ug/L	NA	< 5 U	NA	NA	NA	NA	< 4.0	NA	NA	NA	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	< 5 U
Benzene	N	ug/L	NA	< 1 U	NA	NA	NA	NA	< 0.40	< 5	< 5	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U
Bromochloromethane	N	ug/L	NA	< 1 U	NA	NA	NA	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U
Bromodichloromethane	N	ug/L	NA	< 1 U	NA	NA	NA	NA	< 0.40	< 5	< 5 [< 0.4]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U
Bromoform	N	ug/L	NA	< 1 U	NA	NA	NA	NA	< 0.40	NA	< 5 [< 0.5]	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U
Bromomethane	N	ug/L	NA	< 1 U	NA	NA	NA	NA	< 0.80	NA	< 10 [< 0.5]	< 2 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U
Carbon Disulfide	N	ug/L	NA	< 1 U	NA	NA	NA	NA	< 1.6	NA	< 5	< 1 U	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	< 0.5 U
Carbon Tetrachloride	N	ug/L	NA	< 1 U	NA	NA	NA	NA	< 0.40	NA	< 5 [< 0.3]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U
CFC-11	N	ug/L	NA	< 1 U	NA	NA	NA	NA	< 0.80	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U
CFC-12	N	ug/L	NA	< 1 UJ	NA	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U
Chlorobenzene	N	ug/L	NA	< 1 U	NA	NA	NA	NA	< 0.40	< 5	< 5 [< 0.4]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U
Chlorodibromomethane	N	ug/L	NA	< 1 U	NA	NA	NA	NA	< 0.40	NA	< 5 [< 0.4]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U
Chloroethane	N	ug/L	NA	< 1 UJ	NA	NA	NA	NA	< 1.6	NA	< 10 [< 0.5]	< 2 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U
Chloroform	N	ug/L	NA	< 1 U	NA	NA	NA	NA	< 0.40	**1**	< 5 [< 0.2]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U
Chloromethane	N	ug/L	NA	< 1 U	NA	NA	NA	NA	< 0.80	NA	< 10 [< 0.5]	< 2 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U
cis-1,2-Dichloroethene	N	ug/L	NA	< 1 U	NA	NA	NA	NA	< 0.40	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U
cis-1,3-Dichloropropene	N	ug/L	NA	< 1 U	NA	NA	NA	NA	< 0.40	NA	< 5 [< 0.3]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U
Cyclohexane	N	ug/L	NA	< 5 UJ	NA	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U
Dibromomethane	N	ug/L	NA	< 1 U	NA	NA	NA	NA	< 0.40	NA	NA	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U
Dichloromethane	N	ug/L	NA	< 1 U	NA	NA	NA	NA	< 0.80	**6**	< 5 [< 1]	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U
Ethylbenzene	N	ug/L	NA	< 1 U	NA	NA	NA	NA	< 0.40	< 5	< 5	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U
Isopropylbenzene	N	ug/L	NA	< 1 U	NA	NA	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U
m&p-Xylenes	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	N	ug/L	NA	< 5 U	NA	NA	NA	NA	< 4.0	NA	NA	NA	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	< 5 U
Methyl N-Butyl Ketone (2-Hexanone)	N	ug/L	NA	< 5 UJ	NA	NA	NA	NA	< 4.0	< 10	< 10	< 2 U	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	< 5 U
Methylcyclohexane	N	ug/L	NA	< 5 U	NA	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U
Methyl-tert-butylether	N	ug/L	NA	< 1 U	NA	NA	NA	NA	< 0.80	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U
n-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenolics	N	mg/L	NA	NA	NA	NA	NA	NA	< 0.010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	N	ug/L	NA	< 1 U	NA	NA	NA	NA	< 0.40	NA	< 5	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U
tert-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	N	ug/L	NA	< 1 U	NA	NA	NA	NA	< 0.40	< 5	< 5 [< 0.2]	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U
Toluene	N	ug/L	NA	< 1 U	NA	NA	NA	NA	< 0.40	< 5	< 5	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U
Total Xylenes	N	ug/L	NA	< 1 U	NA	NA	NA	NA	< 0.80	< 5	< 5	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 1.5 U
trans-1,2-Dichloroethene	N	ug/L	NA	< 1 U	NA	NA	NA	NA	< 0.40	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U
trans-1,3-Dichloropropene	N	ug/L	NA	< 1 U	NA	NA	NA	NA	< 0.40	NA	< 5 [< 0.3]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U
trans-1,4-Dichloro-2-butene	N	ug/L	NA	< 5 UJ	NA	NA	NA	NA	< 1.6	NA	NA	< 1 U	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	< 0.5 U
Trichloroethene	N	ug/L	NA	< 1 U	NA	NA	NA	NA	< 0.40	< 5	< 5 [< 0.5]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U
Vinyl acetate	N	ug/L	NA	< 5 UJ	NA	NA	NA	NA	< 2.0	NA	< 10	< 4 U	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	< 5 U
Vinyl chloride	N	ug/L	NA	< 1 U	NA	NA	NA	NA	< 0.20	< 10	< 10 [< 0.3]	< 2 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U
Leachate Indicators																						
Ammonia Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	< 0.050	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromide	N	mg/L	NA	< 0.4 U	NA	NA	NA	NA	< 0.20	NA	NA	< 0 U	NA	NA	NA	NA	RU	NA	NA	NA	NA	< 0 U
Chloride	N	mg/L	NA	**221 J**	NA	NA	NA	NA	**230**	NA	NA	**187**	NA	NA	NA	NA	**192 M**	NA	NA	NA	NA	**246 J**
Fluoride (F-, Anion)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	N	mg/L	NA	NA	NA	NA	NA	NA	**2.0**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	N	mg/L	NA	**21.5**	NA	NA	NA	NA	**18**	NA	NA	**37.1**	NA	NA	NA	NA	**31.4**	NA	NA	NA	NA	**43**
Total Kjeldahl Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	< 0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorus as PO4	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity	N	mg/L	NA	**168**	NA	NA	NA	NA	**160**	NA	NA	**130**	NA	NA	NA	NA	**136 S**	NA	NA	NA	NA	**141 B**
Alkalinity (as CaCO3)	N	mg/L	NA	**170**	NA	NA	NA	NA	NA	NA	NA	**263**	NA	NA	NA	NA	**271 B**	NA	NA	NA	NA	**495 B**
Alkalinity, Bicarbonate	N	mg/L	NA	NA	NA	NA	NA	NA	**160**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Carbonate	N	mg/L	NA	NA	NA	NA	NA	NA	< 5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Hydroxide	N	mg/L	NA	NA	NA	NA	NA	NA	< 5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Biological Oxygen Demand	N	mg/L	NA	NA	NA	NA	NA	NA	< 0.59	NA	NA	**27**	NA	NA	NA	NA	R	NA	NA	NA	NA	**9.36 B**
Carbon	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CBOD	N	mg/L	NA	< 0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chemical Oxygen Demand	N	mg/L	NA	< 0 U	NA	NA	NA	NA	< 10	NA	NA	**140**	NA	NA	NA	NA	**17.5 B**	NA	NA	NA	NA	**46.1 M**
Color	N	COLOR UNIT	NA	< 0 U	NA	NA	NA	NA	NA	NA	NA	< 0 U	NA	NA	NA	NA	5 B	NA	NA	NA	NA	< 0 U
Color	N	PCU	NA	NA	NA	NA	NA	NA	< 5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	N	ug/L	NA	< 1 U	NA	NA	NA	NA	< 5	NA	NA	< 0 U	NA	NA	NA	NA	< 0 U	NA	NA	NA	NA	< 0 U
Hardness (as CaCO3)	N	mg/L	NA	NA	NA	NA	NA	NA	**240**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	N	PH UNITS	NA	NA	NA	NA	NA	NA	NA	NA	5.2 [5.3 [5.3]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids	N	mg/L	NA	**544**	NA	NA	NA	NA	**590**	NA	NA	**500**	NA	NA	NA	NA	**642 SB**	NA	NA	NA	NA	**650 S**
Total Dissolved Solids	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	NA	**1.53 B**	NA	NA	NA	NA	NA	NA	NA	**12 J**	NA	NA	NA	NA	**5.03 S**	NA	NA	NA	NA	**3.09 J**
Total Organic Carbon 2	N	mg/L	NA	NA	NA	NA	NA	NA	**0.87**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-007
		Sample Date	1/13/2004	3/23/2004	6/28/2004	9/21/2004	12/15/2004	3/24/2005	6/23/2005	12/13/2005	6/27/2006	1/3/2007	7/10/2007	12/3/2007	6/24/2009	12/7/2009	6/23/2010	12/7/2010	12/7/2010	6/22/2011	12/6/2011	6/21/2012
		Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**																				
Metals																						
Aluminum	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	NA	NA	NA	NA	NA	**30 F**	NA	**49.7 F**	NA	< 200 U	NA	**290**	NA	< 200 UJ	NA	NA	< 100 U	< 100 U	< 100 U	NA
Antimony	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	NA	NA	NA	NA	NA	< 50 U	NA	< 50 U	NA	< 50 U	NA	**3.37 F**	NA	**0.59 F**	NA	NA	< 1 U	< 1 U	**0.876 F**	NA
Arsenic	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	ug/L	NA	NA	NA	NA	NA	< 30 U	NA	< 30 U	NA	< 30 U	NA	< 30 U	NA	**0.75 F**	NA	NA	< 1 UM	< 1 UJ	< 1 U	NA
Barium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	ug/L	NA	NA	NA	NA	NA	**17.1 F**	NA	**17.2 F**	NA	**16 F**	NA	**20.3 F**	NA	**23**	NA	NA	**21.1**	**24.4 B**	**19.2**	NA
Beryllium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	NA	NA	NA	NA	NA	< 4 U	NA	< 4 U	NA	< 4 U	NA	< 4 U	NA	< 1 U	NA	NA	< 2 U	< 2 U	**0.578 F**	NA
Boron	T	ug/L	NA	NA	NA	NA	NA	**6 F**	NA	NA	NA	< 50 U	NA	**10.6 F**	NA	**9.6 F**	NA	NA	< 100 U	< 100 U	< 100 U	NA
Cadmium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	ug/L	< 5 U	< 5 U	< 5 U	< 5 U	**0.33 F**	< 5 U	**0.26 F**	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	**0.4 F**	**0.086 F**	**0.339 F**	NA	< 0.6 U	**0.519 F**	**0.45 F**	**0.934 B**
Calcium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	**70504**	**67515**	**63896 M**	**61613 M**	**66887 M**	**56050 M**	**56000 M**	**54400**	**51500**	**60700**	**69000 M**	**66900**	**64000**	**74000 M**	**80100 M**	**93100 M**	NA	**85800 B**	**77800**	**65800 M**
Chromium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	ug/L	NA	NA	NA	NA	NA	**24 J**	NA	**24.1 J**	NA	**15.2**	NA	**340**	NA	**55**	NA	NA	**15.4 M**	**130 M**	**242**	NA
Chromium VI	D	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1 U	NA	< 0.01 U	NA
Chromium VI	T	mg/L	NA	NA	NA	NA	NA	**0.003 J**	NA	R	NA	< 0.01 U	NA	< 0.01 U	NA	**0.0038 F**	NA	NA	NA	NA	NA	NA
Cobalt	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	NA	NA	NA	NA	NA	< 60 U	NA	< 60 U	NA	< 60 U	NA	< 60 U	NA	**0.92 F**	NA	NA	< 1 UM	**1.92**	**4.54**	NA
Copper	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	NA	NA	NA	NA	NA	R	NA	< 10 U	NA	< 10 U	NA	**6.16 F**	NA	**2.6**	NA	NA	< 5 U	< 5 UJ	< 5 U	NA
Iron	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	**826**	**608**	**412 J**	**393**	**606 J**	**822 J**	**980 M**	**753 J**	**1080 J**	**704 J**	**1200 M**	**2990**	**1500 M**	**2000**	**1130 M**	NA	**526 M**	**1850 M**	**2600**	**3010 M**
Lead	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	ug/L	< 25 U	**5.4 F**	< 25 U	**1.5 F**	< 25 U	**1.4 J**	R	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	**0.3 F**	**0.58 F**	**0.68 F**	NA	< 1 U	< 1 U	< 1 U	**0.639 F**
Magnesium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	**27031**	**25725 M**	**25749**	**24280**	**25228**	**21800**	**22000**	**21800**	**24400**	**25700**	**28200**	**26900**	**26000**	**31000**	**29000 M**	NA	**31900**	**32500 B**	**30000**	**25600 M**
Manganese	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	**306**	**239**	**220**	**104**	**317**	**238 J**	**630**	**533 J**	**191**	**175 J**	**377 M**	**620**	**130 M**	**200**	**185 M**	NA	**110 M**	**281**	**474**	**849 M**
Mercury	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	NA	NA	NA	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	**0.076 F**	NA	NA	< 0.2 U	< 0.2 U	< 0.2 U	NA
Nickel	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	NA	NA	NA	NA	NA	**15 J**	NA	**10.6 J**	NA	**35.6**	NA	**353**	NA	**66**	NA	NA	**16.9 M**	NA	NA	NA
Potassium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	**7688**	**5965**	**5999**	**5758**	**3403 J**	**1930 J**	**6700 J**	**3020 J**	**5240**	**5400 J**	**5180 J**	**5120**	**4600**	**2200**	**2030 M**	NA	**1760**	**3610 B**	**4140**	**4160**
Selenium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	NA	NA	NA	NA	NA	< 30 U	NA	< 30 U	NA	< 30 U	NA	< 30 U	NA	**0.53 F**	NA	NA	< 1 U	< 1 U	**0.569 F**	NA
Silver	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	NA	NA	NA	NA	NA	**1 F**	NA	< 10 U	NA	< 10 U	NA	< 10 U	NA	< 1 UM	NA	NA	< 1 U	< 1 U	< 1 U	NA
Sodium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	**113264**	**124204 M**	**123282**	**133671 M**	**142096 M**	**135200**	**130000 M**	**114000**	**124000**	**115000 J**	**117000 M**	**117000**	**99000 M**	**130000**	**135000 M**	**175000 M**	NA	**151000 B**	**152000**	**128000 M**
Thallium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	NA	NA	NA	NA	NA	< 80 U	NA	< 80 U	NA	< 80 U	NA	< 80 U	NA	< 1 U	NA	NA	< 0.2 UM	< 0.2 U	< 0.2 U	NA
Vanadium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	NA	NA	NA	NA	NA	R	NA	< 10 U	NA	< 10 U	NA	**1.79 F**	NA	**0.52 F**	NA	NA	< 1 UM	< 1 U	NA	NA
Zinc	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	NA	NA	NA	NA	NA	**67**	NA	**46.6**	NA	**12.9 F**	NA	**60.1 J**	NA	**9.9 M**	NA	NA	**6.15 F**	**10.7 F**	**24.1**	NA
Total Recoverable Phenolics	N	mg/L	NA	NA	NA	NA	NA	**0.0026 F**	NA	< 0.005 U	NA	< 0.005 U	NA	< 0.005 U	NA	**0.0041 M**	NA	NA	< 0.0056 U	NA	< 0.005 U	NA
VOCs																						
1,1,1-Trichloroethane	N	ug/L	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA
1,1,2,2-Tetrachloroethane	N	ug/L	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA
1,1,2-trichloro-1,2,2-trifluoroethane	N	ug/L	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 5 U	NA	< 5 U	NA
1,1,2-Trichloroethane	N	ug/L	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA
1,1-Dichloroethane	N	ug/L	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA
1,1-Dichloroethene	N	ug/L	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA
1,2,3-Trichloropropane	N	ug/L	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA
1,2,3-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	N	ug/L	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA
1,2,4-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	N	ug/L	NA	NA	NA	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 2 U	NA	NA	< 2 U	NA	< 2 U	NA
1,2-Dibromoethane	N	ug/L	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA
1,2-Dichlorobenzene	N	ug/L	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA
1,2-Dichloroethane	N	ug/L	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA
1,2-Dichloroethene, Total	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	N	ug/L	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA
1,3,5-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	N	ug/L	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA
1,3-Dichloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	N	ug/L	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA
1,4-Dioxane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	N	ug/L	NA	NA	NA	NA	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 10 U	NA	NA	< 5 U	NA	< 5 U	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-007
		Sample Date	1/13/2004	3/23/2004	6/28/2004	9/21/2004	12/15/2004	3/24/2005	6/23/2005	12/13/2005	6/27/2006	1/3/2007	7/10/2007	12/3/2007	6/24/2009	12/7/2009	6/23/2010	12/7/2010	12/7/2010	6/22/2011	12/6/2011	6/21/2012
		Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**																				
2-Chloroethyl vinyl ether	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	N	ug/L	NA	NA	NA	NA	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 10 U	NA	NA	< 5 U	NA	< 5 U	NA
Acetone	N	ug/L	NA	NA	NA	NA	NA	R	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 20 U	NA	NA	< 5 U	NA	< 5 U	NA
Acrylonitrile	N	ug/L	NA	NA	NA	NA	NA	< 4 U	NA	< 4 U	NA	< 4 U	NA	< 4 U	NA	< 1 U	NA	NA	< 5 U	NA	< 5 U	NA
Benzene	N	ug/L	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA
Bromochloromethane	N	ug/L	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA
Bromodichloromethane	N	ug/L	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA
Bromoform	N	ug/L	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA
Bromomethane	N	ug/L	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA
Carbon Disulfide	N	ug/L	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 5 U	NA	NA	< 1 U	NA	< 1 U	NA
Carbon Tetrachloride	N	ug/L	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA
CFC-11	N	ug/L	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA
CFC-12	N	ug/L	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA
Chlorobenzene	N	ug/L	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA
Chlorodibromomethane	N	ug/L	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA
Chloroethane	N	ug/L	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 UM	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA
Chloroform	N	ug/L	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA
Chloromethane	N	ug/L	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	R	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA
cis-1,2-Dichloroethene	N	ug/L	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA
cis-1,3-Dichloropropene	N	ug/L	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA
Cyclohexane	N	ug/L	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 5 U	NA	NA	< 5 U	NA	< 5 U	NA
Dibromomethane	N	ug/L	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA
Dichloromethane	N	ug/L	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 5 U	NA	NA	< 1 U	NA	< 1 U	NA
Ethylbenzene	N	ug/L	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA
Isopropylbenzene	N	ug/L	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA
m&p-Xylenes	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	N	ug/L	NA	NA	NA	NA	NA	< 5 U	NA	< 5 U	NA	R	NA	< 5 U	NA	< 5 U	NA	NA	< 5 U	NA	< 5 U	NA
Methyl N-Butyl Ketone (2-Hexanone)	N	ug/L	NA	NA	NA	NA	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	R	NA	< 5 UJ	NA	NA	< 5 U	NA	< 5 U	NA
Methylcyclohexane	N	ug/L	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 5 U	NA	NA	< 5 U	NA	< 5 U	NA
Methyl-tert-butylether	N	ug/L	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA
n-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenolics	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	N	ug/L	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA
tert-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	N	ug/L	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA
Toluene	N	ug/L	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA
Total Xylenes	N	ug/L	NA	NA	NA	NA	NA	< 1.5 U	NA	< 1.5 U	NA	< 1.5 U	NA	< 1.5 U	NA	< 3 U	NA	NA	< 1 U	NA	< 1 U	NA
trans-1,2-Dichloroethene	N	ug/L	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA
trans-1,3-Dichloropropene	N	ug/L	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA
trans-1,4-Dichloro-2-butene	N	ug/L	NA	NA	NA	NA	NA	< 2 U	NA	< 2 U	NA	< 2 U	NA	< 2 U	NA	< 5 UJ	NA	NA	< 5 UJ	NA	< 5 U	NA
Trichloroethene	N	ug/L	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA
Vinyl acetate	N	ug/L	NA	NA	NA	NA	NA	R	NA	< 2 U	NA	R	NA	< 2 U	NA	< 5 U	NA	NA	< 5 UJ	NA	< 5 U	NA
Vinyl chloride	N	ug/L	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA
Leachate Indicators																						
Ammonia Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromide	N	mg/L	NA	NA	NA	NA	NA	< 0 U	NA	< 0 UM	NA	< 0 M	NA	**0.048 F**	NA	< 0 U	NA	NA	< 0 U	NA	< 0 U	NA
Chloride	N	mg/L	NA	NA	NA	NA	NA	**224 M**	NA	**210 M**	NA	**240 M**	NA	**240 M**	NA	**320**	NA	**343 M**	NA	NA	NA	NA
Fluoride (F-, Anion)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	N	mg/L	NA	NA	NA	NA	NA	**34.87**	NA	**34**	NA	**32 M**	NA	**31**	NA	**32 M**	NA	NA	**34.6**	NA	**30.6**	NA
Total Kjeldahl Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorus as PO4	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity	N	mg/L	NA	NA	NA	NA	NA	**158**	NA	**160**	NA	**170**	NA	**170**	NA	NA	NA	NA	**166 M**	NA	**183**	NA
Alkalinity (as CaCO3)	N	mg/L	NA	NA	NA	NA	NA	**232**	NA	**240 B**	NA	**270**	NA	**300**	NA	**318**	NA	NA	**340 M**	NA	**316**	NA
Alkalinity, Bicarbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Carbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Hydroxide	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Biological Oxygen Demand	N	mg/L	NA	NA	NA	NA	NA	**6.9**	NA	**5.2**	NA	< 0 U	NA	< 0 U	NA	**12**	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	NA	NA	NA	NA	NA	NA	NA	**2.08 J**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CBOD	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0 UM	NA	**3.41**	NA
Chemical Oxygen Demand	N	mg/L	NA	NA	NA	NA	NA	< 0 U	NA	**29**	NA	**40 J**	NA	**17 J**	NA	**34 J**	NA	NA	< 0 UM	NA	**15.8 F**	NA
Color	N	COLOR UNIT	NA	NA	NA	NA	NA	10	NA	10	NA	< 0 U	NA	< 0 U	NA	30	NA	NA	5	NA	5	NA
Color	N	PCU	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	N	ug/L	NA	NA	NA	NA	NA	< 0 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	< 1 U	NA	**12.8**	NA
Hardness (as CaCO3)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	N	PH UNITS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.54	NA
Total Dissolved Solids	N	mg/L	NA	NA	NA	NA	NA	**640**	NA	**580**	NA	**640**	NA	**610**	NA	NA	NA	NA	**676**	NA	**584**	NA
Total Dissolved Solids	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	NA	NA	NA	NA	NA	**3.9 J**	NA	NA	NA	**7.2 J**	NA	**2.5**	NA	**2.7 M**	NA	NA	**1.16 M**	NA	**5.62**	NA
Total Organic Carbon 2	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008
		Sample Date	6/25/2013	6/18/2014	7/7/2015	8/24/2017	8/1/2018	8/9/1988	1/11/1989	9/18/1991	11/26/1991	4/25/2001	4/25/2001	6/26/2001	9/20/2001	12/17/2001	3/21/2002	6/19/2002	9/20/2002	12/18/2002	3/25/2003	6/20/2003
		Sample Type	N	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**																				
Metals																						
Aluminum	D	ug/L	NA	NA	NA	NA	NA	NA	< 250	**27.9**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	< 200 U	NA	NA	NA	**23**	NA	NA	**63.1**	NA	**23.5 B**	**15.9 B**	NA	NA	NA	NA	**23.6 F**	< 200 U	< 200 U	NA	NA
Antimony	D	ug/L	NA	NA	NA	NA	NA	NA	< 43	< 47	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	< 1 U	NA	NA	NA	< 1.0	NA	NA	< 47	NA	< 4.1 U	< 4.1 U	NA	NA	NA	NA	**7.9 F**	< 50 U	< 50 U	NA	NA
Arsenic	D	ug/L	NA	NA	NA	NA	NA	NA	< 1.6	< 3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	ug/L	**2.35 J**	NA	NA	NA	**17**	NA	NA	< 3	NA	< 4.4 U	< 4.4 U	NA	NA	NA	NA	**5.9 F**	< 30 U	< 30 U	NA	NA
Barium	D	ug/L	NA	NA	NA	NA	NA	NA	**9.4**	**30.3**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	ug/L	**21.4**	NA	NA	NA	**190**	NA	NA	**33.6**	NA	**28.7**	**26.5**	NA	NA	NA	NA	**18.8**	**25.5 J**	**21.9 F**	NA	NA
Beryllium	D	ug/L	NA	NA	NA	NA	NA	NA	< 1.1	< 1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	< 2 U	NA	NA	NA	< 0.30	NA	NA	< 1	NA	< 0.1 U	< 0.1 U	NA	NA	NA	NA	< 5 U	< 5 U	< 4 U	NA	NA
Boron	T	ug/L	< 100 U	NA	NA	NA	**12**	NA	NA	NA	NA	< 32.4 U	< 32.4 U	NA	NA	NA	NA	< 110 U	< 110 U	< 110 U	NA	NA
Cadmium	D	ug/L	NA	NA	NA	NA	NA	NA	< 4.3	< 5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	ug/L	**0.385 F**	< 0.6 U	< 0.6 U	**0.84**	< 1.0	NA	NA	< 5	NA	< 0.4 U	< 0.4 U	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	< 5 U	< 5 U	< 5 U
Calcium	D	ug/L	NA	NA	NA	NA	NA	NA	**78000**	**83500**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	**59200 M**	**72900 M**	**68500 M**	**120000**	**51000**	NA	NA	**83800**	NA	**101000**	**97500**	**97481 M**	**109547 M**	**101822**	**82783 MJ**	**64438 MJ**	**76061 M**	**81292**	**76133 M**	**74538 M**
Chromium	D	ug/L	NA	NA	NA	NA	NA	NA	< 5	**44**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	ug/L	**1570 M**	**50.4 M**	**3.42**	**170**	< 1.8	NA	NA	**247**	NA	**331 J**	**122 J**	NA	NA	NA	NA	**83**	**68.9 J**	**28**	NA	NA
Chromium VI	D	mg/L	< 0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium VI	T	mg/L	NA	NA	NA	NA	< 0.010	NA	NA	NA	NA	**0.011 J**	< 0.01 UJ	NA	NA	NA	NA	< 0.01 U	NA	NA	NA	NA
Cobalt	D	ug/L	NA	NA	NA	NA	NA	NA	**11**	**6**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	**4.13 J**	NA	NA	NA	**2.7**	NA	NA	**15.5**	NA	**3.1 B**	**1.8 B**	NA	NA	NA	NA	< 6 U	< 6 U	**3 F**	NA	NA
Copper	D	ug/L	NA	NA	NA	NA	NA	NA	**4.8**	**11.8**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	**13.5**	NA	NA	NA	< 1.8	NA	NA	**10.7**	NA	**9.1 B**	**4.1 B**	NA	NA	NA	NA	**1.8 F**	< 10 U	**5.2 F**	NA	NA
Iron	D	ug/L	NA	NA	NA	NA	NA	NA	**111**	**168**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	**8570 M**	**774**	**826**	**930000**	**8900**	NA	NA	**4610**	NA	**5250**	**3540**	**5666**	**5089**	**2504 J**	**3141**	**4176 M**	**2590 J**	**2569**	**3236 J**	**8960**
Lead	D	ug/L	NA	NA	NA	NA	NA	NA	< 0.91	**42.1**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	ug/L	**1.23**	< 1 U	< 1 U	**0.74**	< 0.70	NA	NA	< 2	NA	< 2.1 U	< 2.1 U	**2.38 F**	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	**4.4 F**
Magnesium	D	ug/L	NA	NA	NA	NA	NA	NA	**243000**	**24000**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	**25000**	**28000 M**	**25800**	**24000**	**19000**	NA	NA	**23900**	NA	**25500**	**25200**	**21019**	**26517**	**25377**	**23356**	**20184 MJ**	**21945**	**24250**	**19199 M**	**19556 M**
Manganese	D	ug/L	NA	NA	NA	NA	NA	NA	**342**	**1390**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	**563 J**	**114**	**90**	**15000**	**98**	NA	NA	**5610**	NA	**1520**	**1490**	**1644**	**1574**	**1557 B**	**1322**	**984**	**1239**	**1284**	**1280**	**1145**
Mercury	D	ug/L	NA	NA	NA	NA	NA	NA	< 0.2	< 0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	< 0.2 U	NA	NA	NA	< 0.080	NA	NA	< 2	NA	< 0.1 U	< 0.1 U	NA	NA	NA	NA	< 1 UM	NA	NA	NA	NA
Nickel	D	ug/L	NA	NA	NA	NA	NA	NA	< 24	**22.9**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	**164 M**	NA	NA	NA	**10**	NA	NA	**142**	NA	**19.7 B**	**9.4 B**	NA	NA	NA	NA	< 10 U	**23.4 J**	**9.1 F**	NA	NA
Potassium	D	ug/L	NA	NA	NA	NA	NA	NA	**3140**	**1760**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	**7490**	**2100 M**	**1660**	**2900**	**2000**	NA	NA	< 974	NA	**1730 J**	**1770 J**	**1261 J**	**1847 J**	**1622 J**	**1559**	**1484**	**1081**	**819 F**	**1392**	**700 F**
Selenium	D	ug/L	NA	NA	NA	NA	NA	NA	**10**	**10**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	**0.59 F**	NA	NA	NA	< 2.0	NA	NA	**2**	NA	< 9.9 U	< 9.9 U	NA	NA	NA	NA	< 30 U	< 30 U	< 30 U	NA	NA
Silver	D	ug/L	NA	NA	NA	NA	NA	NA	< 4.3	< 4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	< 1 U	NA	NA	NA	< 0.10	NA	NA	< 40	NA	< 0.9 U	< 0.9 U	NA	NA	NA	NA	< 10 U	< 10 U	< 10 U	NA	NA
Sodium	D	ug/L	NA	NA	NA	NA	NA	NA	**75900**	**109000**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	**138000**	**171000**	**158000**	**130000**	**130000**	NA	NA	**109000**	NA	**133000**	**133000**	**123840**	**147633**	**162162**	**151885 M**	**116881 MJ**	**130939 M**	**143030**	**132768 M**	**99453 M**
Thallium	D	ug/L	NA	NA	NA	NA	NA	NA	< 2	< 1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	< 0.2 U	NA	NA	NA	< 0.20	NA	NA	< 1	NA	< 4.3 U	< 4.3 U	NA	NA	NA	NA	**6.8 F**	**12.2 F**	**17 F**	NA	NA
Vanadium	D	ug/L	NA	NA	NA	NA	NA	NA	**9.6**	< 7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	< 100 UM	NA	NA	NA	< 2.0	NA	NA	< 7	NA	**3.4 B**	**1.6 B**	NA	NA	NA	NA	< 10 U	< 10 U	< 10 U	NA	NA
Zinc	D	ug/L	NA	NA	NA	NA	NA	NA	**11**	< 1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	**6.58 F**	NA	NA	NA	**6.2**	NA	NA	< 1	NA	**3 B**	**7.4 B**	NA	NA	NA	NA	**10.2**	**7.9 F**	**5.5 F**	NA	NA
Total Recoverable Phenolics	N	mg/L	< 0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	< 0.005 UJ	< 0.005 UJ	NA	NA	NA	NA	< 0.005 UM	NA	NA	NA	NA
VOCs																						
1,1,1-Trichloroethane	N	ug/L	< 1 U	NA	NA	NA	< 0.40	NA	< 5 [< 0.3]	< 1 [< 10 [< 50	< 1	< 1 U	< 1 U	< 25 U	< 2.5 U	< 0.5 U	< 0.5 U	< 25 U	< 25 U	< 2.5 U	< 12.5 U	< 5 U
1,1,2,2-Tetrachloroethane	N	ug/L	< 1 U	NA	NA	NA	< 0.80	NA	< 5 [< 0.3]	< 50 [< 1 [< 10	< 1	< 1 U	< 1 U	< 25 U	< 2.5 U	< 0.5 U	< 0.5 U	< 25 U	< 25 U	< 2.5 U	< 12.5 U	< 5 U
1,1,2-trichloro-1,2,2-trifluoroethane	N	ug/L	< 5 U	NA	NA	NA	< 1.6	NA	< 1	NA	NA	NA	NA	< 25 U	< 2.5 U	< 0.5 U	< 0.5 U	< 25 U	< 25 U	< 2.5 U	< 12.5 U	< 5 U
1,1,2-Trichloroethane	N	ug/L	< 1 U	NA	NA	NA	< 0.80	NA	< 5 [< 0.2]	< 50 [< 1 [< 10	< 1	< 1 U	< 1 U	< 25 U	< 2.5 U	< 0.5 U	< 0.5 U	< 25 U	< 25 U	< 2.5 U	< 12.5 U	< 5 U
1,1-Dichloroethane	N	ug/L	< 1 U	NA	NA	NA	< 0.80	NA	< 5 [< 0.4]	< 10 [< 50 [< 1	< 1	< 1 U	< 1 U	< 25 U	< 2.5 U	< 0.5 U	< 0.5 U	< 25 U	< 25 U	< 2.5 U	< 12.5 U	< 5 U
1,1-Dichloroethene	N	ug/L	< 1 U	NA	NA	NA	< 0.80	NA	< 5 [< 0.3]	< 10 [< 50 [< 1	< 1	< 1 U	< 1 U	< 25 U	< 2.5 U	< 0.5 U	< 0.5 U	< 25 U	< 25 U	< 2.5 U	< 12.5 U	< 5 U
1,2,3-Trichloropropane	N	ug/L	< 1 U	NA	NA	NA	< 0.80	NA	NA	NA	NA	< 1 U	< 1 U	< 50 U	< 5 U	< 1 U	< 1 U	< 50 U	< 50 U	< 2.5 U	< 12.5 U	< 5 U
1,2,3-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	N	ug/L	< 1 U	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	< 25 U	< 2.5 U	< 0.5 U	< 0.5 U	< 25 U	< 25 U	< 2.5 U	< 12.5 U	< 5 U
1,2,4-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	N	ug/L	< 2 U	NA	NA	NA	< 1.6	NA	NA	NA	NA	< 1 U	< 1 U	< 50 U	< 5 U	< 1 U	< 1 U	< 50 U	< 50 U	< 5 U	< 25 U	< 10 U
1,2-Dibromoethane	N	ug/L	< 1 U	NA	NA	NA	< 0.40	NA	NA	NA	NA	< 1 U	< 1 U	< 50 U	< 5 U	< 1 U	< 1 U	< 50 U	< 50 U	< 2.5 U	< 12.5 U	< 5 U
1,2-Dichlorobenzene	N	ug/L	< 1 U	NA	NA	NA	< 0.40	NA	< 1	NA	NA	< 1 U	< 1 U	< 25 U	< 2.5 U	< 0.5 U	< 0.5 U	< 25 U	< 25 U	< 2.5 U	< 12.5 U	< 5 U
1,2-Dichloroethane	N	ug/L	< 1 U	NA	NA	NA	< 0.40	NA	< 5 [< 0.3]	< 10 [< 50 [< 1	< 1	< 1 U	< 1 U	< 25 U	< 2.5 U	< 0.5 U	< 0.5 U	< 25 U	< 25 U	< 2.5 U	< 12.5 U	< 5 U
1,2-Dichloroethene, Total	N	ug/L	NA	NA	NA	NA	NA	< 5	< 5 [< 0.5]	< 10 [< 1 [< 50	< 1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	N	ug/L	< 1 U	NA	NA	NA	< 0.40	< 5	< 5 [< 0.2]	< 10 [< 1 [< 50	< 1	< 1 U	< 1 U	< 25 U	< 2.5 U	< 0.5 U	< 0.5 U	< 25 U	< 25 U	< 2.5 U	< 12.5 U	< 5 U
1,3,5-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	N	ug/L	< 1 U	NA	NA	NA	< 0.40	NA	< 1	NA	NA	NA	NA	< 25 U	< 2.5 U	< 0.5 U	< 0.5 U	< 25 U	< 25 U	< 2.5 U	< 12.5 U	< 5 U
1,3-Dichloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	N	ug/L	< 1 U	NA	NA	NA	< 0.40	NA	< 1	NA	NA	< 1 U	< 1 U	< 25 U	< 2.5 U	< 0.5 U	< 0.5 U	< 25 U	< 25 U	< 2.5 U	< 12.5 U	< 5 U
1,4-Dioxane	N	ug/L	NA	NA	NA	NA	< 160	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	N	ug/L	< 5 UJ	NA	NA	NA	< 4.0	< 10	< 10	< 100 [< 2 [< 10	< 2	NA	NA	< 250 U	< 25 U	< 5 U	< 5 U	< 250 UM	< 250 UM	< 25 U	< 125 U	< 50 U

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008
		Sample Date	6/25/2013	6/18/2014	7/7/2015	8/24/2017	8/1/2018	8/9/1988	1/11/1989	9/18/1991	11/26/1991	4/25/2001	4/25/2001	6/26/2001	9/20/2001	12/17/2001	3/21/2002	6/19/2002	9/20/2002	12/18/2002	3/25/2003	6/20/2003
		Sample Type	N	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**																				
2-Chloroethyl vinyl ether	N	ug/L	NA	NA	NA	NA	NA	NA	< 0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	N	ug/L	< 5 UJ	NA	NA	NA	< 3.2	< 10	< 10	**5 [220 [< 100]**	**41**	< 2 U	< 2 U	< 250 U	< 25 U	< 5 U	< 5 U	< 250 U	< 250 U	< 25 U	< 125 U	< 50 U
Acetone	N	ug/L	< 5 U	NA	NA	NA	**5.6**	**170**	< 10	**4 [< 100 [1300**	**10**	NA	NA	< 250 U	< 25 U	< 5 U	< 5 U	< 500 UM	< 250 UM	< 50 U	< 125 U	< 50 U
Acrylonitrile	N	ug/L	< 5 U	NA	NA	NA	< 4.0	NA	NA	NA	NA	NA	NA	< 250 U	< 25 U	< 5 U	< 5 U	< 250 U	< 250 U	< 25 U	< 125 U	< 50 U
Benzene	N	ug/L	< 1 U	NA	NA	NA	< 0.40	< 5	< 5	< 10 [< 50 [< 1	< 1	**0.52 J**	**0.58 J**	< 25 U	< 2.5 U	< 0.5 U	< 0.5 U	< 25 U	< 25 U	< 2.5 U	< 12.5 U	< 5 U
Bromochloromethane	N	ug/L	< 1 U	NA	NA	NA	NA	NA	NA	NA	NA	< 1 U	< 1 U	< 25 U	< 2.5 U	< 0.5 U	< 0.5 U	< 25 U	< 25 U	< 2.5 U	< 12.5 U	< 5 U
Bromodichloromethane	N	ug/L	< 1 U	NA	NA	NA	< 0.40	< 5	< 5 [< 0.4]	< 10 [< 50 [< 1	< 1	< 1 U	< 1 U	< 25 U	< 2.5 U	< 0.5 U	< 0.5 U	< 25 U	< 25 U	< 2.5 U	< 12.5 U	< 5 U
Bromoform	N	ug/L	< 1 U	NA	NA	NA	< 0.40	NA	< 5 [< 0.5]	< 50 [< 10 [< 1	< 1	< 1 U	< 1 U	< 50 U	< 5 U	< 1 U	< 1 U	< 50 U	< 50 UM	< 2.5 U	< 12.5 U	< 5 U
Bromomethane	N	ug/L	< 1 U	NA	NA	NA	< 0.80	NA	< 10 [< 0.5]	< 10 [< 100 [< 2	< 2	< 2 U	< 2 U	< 25 U	< 2.5 U	< 0.5 U	< 0.5 U	< 25 U	< 25 U	< 2.5 U	< 12.5 U	< 5 U
Carbon Disulfide	N	ug/L	< 1 U	NA	NA	NA	< 1.6	NA	< 5	< 50 [< 10 [< 1	< 1	< 1 U	< 1 U	< 250 U	< 25 U	< 5 U	< 5 U	< 250 U	< 250 U	< 2.5 U	< 12.5 U	< 5 U
Carbon Tetrachloride	N	ug/L	< 1 U	NA	NA	NA	< 0.40	NA	< 5 [< 0.3]	< 10 [< 50 [< 1	< 1	< 1 U	< 1 U	< 25 U	< 2.5 U	< 0.5 U	< 0.5 U	< 25 U	< 25 U	< 2.5 U	< 12.5 U	< 5 U
CFC-11	N	ug/L	< 1 U	NA	NA	NA	< 0.80	NA	NA	NA	NA	< 1 U	< 1 U	< 25 U	< 2.5 U	< 0.5 U	< 0.5 U	< 25 U	< 25 U	< 2.5 U	< 12.5 U	< 5 U
CFC-12	N	ug/L	< 1 UJ	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	< 25 U	< 2.5 U	< 0.5 U	< 0.5 U	< 25 U	< 25 U	< 2.5 U	< 12.5 U	< 5 U
Chlorobenzene	N	ug/L	< 1 U	NA	NA	NA	< 0.40	< 5	< 5 [< 0.4]	< 10 [< 50 [< 1	< 1	< 1 U	< 1 U	< 25 U	< 2.5 U	< 0.5 U	< 0.5 U	< 25 U	< 25 U	< 2.5 U	< 12.5 U	< 5 U
Chlorodibromomethane	N	ug/L	< 1 U	NA	NA	NA	< 0.40	NA	< 5 [< 0.4]	< 10 [< 50 [< 1	< 1	< 1 U	< 1 U	< 25 U	< 2.5 U	< 0.5 U	< 0.5 U	< 25 U	< 25 U	< 2.5 U	< 12.5 U	< 5 U
Chloroethane	N	ug/L	< 1 UJ	NA	NA	NA	< 1.6	NA	< 10 [< 0.5]	< 100 [< 10 [< 2	< 2	< 2 U	< 2 U	< 25 U	< 2.5 U	< 0.5 U	< 0.5 U	< 25 U	< 25 U	< 2.5 U	< 12.5 U	< 5 U
Chloroform	N	ug/L	< 1 U	NA	NA	NA	< 0.40	< 5	< 5 [< 0.2]	< 50 [< 10 [< 1	< 1	< 1 U	< 1 U	< 25 U	< 2.5 U	< 0.5 U	< 0.5 U	< 25 U	< 25 U	< 2.5 U	< 12.5 U	**3.46 F**
Chloromethane	N	ug/L	< 1 U	NA	NA	NA	< 0.80	NA	< 10 [< 0.5]	< 10 [< 100 [< 2	< 1	< 2 U	< 2 U	< 25 U	< 2.5 U	< 0.5 U	< 0.5 U	< 25 U	< 25 U	< 2.5 U	< 12.5 U	< 5 U
cis-1,2-Dichloroethene	N	ug/L	< 1 U	NA	NA	NA	< 0.40	NA	NA	NA	NA	< 1 U	< 1 U	< 25 U	< 2.5 U	< 0.5 U	< 0.5 U	< 25 U	< 25 U	< 2.5 U	< 12.5 U	< 5 U
cis-1,3-Dichloropropene	N	ug/L	< 1 U	NA	NA	NA	< 0.40	NA	< 5 [< 0.3]	< 50 [< 1 [< 10	< 1	< 1 U	< 1 U	< 25 U	< 2.5 U	< 0.5 U	< 0.5 U	< 25 U	< 25 U	< 2.5 U	< 12.5 U	< 5 U
Cyclohexane	N	ug/L	< 5 UJ	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	**66.6**	**65**	**69 J**	**62.15 J**	**79.9**	**94.2**	**59.2**	**74.2**	**57.6**
Dibromomethane	N	ug/L	< 1 U	NA	NA	NA	< 0.40	NA	NA	NA	NA	< 1 U	< 1 U	< 50 U	< 5 U	< 1 U	< 1 U	< 50 U	< 50 U	< 2.5 U	< 12.5 U	< 5 U
Dichloromethane	N	ug/L	< 1 U	NA	NA	NA	< 0.80	**14**	< 5 [< 1]	< 1 [< 50 [< 10	< 1	< 1 U	< 1 U	< 50 U	< 5 U	< 1 U	< 1 U	< 50 U	< 50 U	< 2.5 U	< 12.5 U	< 5 U
Ethylbenzene	N	ug/L	< 1 U	NA	NA	NA	< 0.40	< 5	< 5	**72 [120 [54]**	**53**	**632 D**	**678 D**	**1524**	**1601 J**	**2088**	**1798**	**2062**	**2107**	**1369**	**1787**	**1378**
Isopropylbenzene	N	ug/L	< 1 U	NA	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	**64.4**	**60.3**	**70.6 J**	**63.95 J**	**86.8**	**87.6**	**57.6**	**78.4**	**59.7**
m&p-Xylenes	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	N	ug/L	< 5 U	NA	NA	NA	< 4.0	NA	NA	NA	NA	NA	NA	< 250 U	< 25 U	< 5 U	< 5 U	< 250 U	< 250 U	< 25 U	< 125 U	< 50 U
Methyl N-Butyl Ketone (2-Hexanone)	N	ug/L	< 5 UJ	NA	NA	NA	< 4.0	< 10	< 10	**< 2 [< 100 [3]**	**23**	< 2 U	< 2 U	< 250 U	< 25 U	< 5 U	< 5 U	< 250 U	< 250 U	< 25 U	< 125 U	< 50 U
Methylcyclohexane	N	ug/L	< 5 U	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	**28.6**	**34.6**	**48.5**	**41.63**	**45.8**	**49.9**	**31.5**	**35.3**	**29.9**
Methyl-tert-butylether	N	ug/L	< 1 U	NA	NA	NA	< 0.80	NA	NA	NA	NA	< 1 U	< 1 U	< 25 U	< 2.5 U	< 0.5 U	< 0.5 U	< 25 U	< 25 U	< 2.5 U	< 12.5 U	**0.66 F**
n-Butylbenzene	N	ug/L	NA	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	N	ug/L	NA	NA	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenolics	N	mg/L	NA	NA	NA	NA	**0.46**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	N	ug/L	NA	NA	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	N	ug/L	< 1 U	NA	NA	NA	< 0.40	NA	< 5	< 1 [< 10 [< 50	< 1	< 1 U	< 1 U	< 50 U	< 5 U	< 1 U	< 1 U	< 50 U	< 50 U	< 2.5 U	< 12.5 U	< 5 U
tert-Butylbenzene	N	ug/L	NA	NA	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	N	ug/L	< 1 U	NA	NA	NA	< 0.40	< 5	< 5 [< 0.2]	< 10 [< 1 [< 50	< 1	< 1 U	< 1 U	< 50 U	< 5 U	< 1 U	< 1 U	< 50 U	< 50 U	< 2.5 U	< 12.5 U	< 5 U
Toluene	N	ug/L	< 1 U	NA	NA	NA	< 0.40	< 5	< 5	**< 50 [2 [< 1]**	**2**	**94 D**	**133 D**	**536**	**465 J**	**479**	**446**	**1137**	**1021**	**426**	**547**	**262.1 B**
Total Xylenes	N	ug/L	< 1 U	NA	NA	NA	< 0.80	< 5	< 5	**8 [58 [< 50]**	**34**	**253 D**	**400 D**	**1805**	**1840 J**	**2962**	**3057**	**3963**	**4231**	**1762**	**2535**	**1092**
trans-1,2-Dichloroethene	N	ug/L	< 1 U	NA	NA	NA	< 0.40	NA	NA	NA	NA	< 1 U	< 1 U	< 25 U	< 2.5 U	< 0.5 U	< 0.5 U	< 25 U	< 25 U	< 2.5 U	< 12.5 U	< 5 U
trans-1,3-Dichloropropene	N	ug/L	< 1 U	NA	NA	NA	< 0.40	NA	< 5 [< 0.3]	< 1 [< 10 [< 50	< 1	< 1 U	< 1 U	< 25 U	< 2.5 U	< 0.5 U	< 0.5 U	< 25 U	< 25 U	< 2.5 U	< 12.5 U	< 5 U
trans-1,4-Dichloro-2-butene	N	ug/L	< 5 UJ	NA	NA	NA	< 1.6	NA	NA	NA	NA	< 1 U	< 1 U	< 250 U	< 25 U	< 5 U	< 5 U	< 250 U	< 250 U	< 2.5 U	< 12.5 U	< 5 U
Trichloroethene	N	ug/L	< 1 U	NA	NA	NA	< 0.40	< 5	< 5 [< 0.5]	< 10 [< 1 [< 50	< 1	< 1 U	< 1 U	< 25 U	< 2.5 U	< 0.5 U	< 0.5 U	< 25 U	< 25 U	< 2.5 U	< 12.5 U	< 5 U
Vinyl acetate	N	ug/L	< 5 UJ	NA	NA	NA	< 2.0	NA	< 10	< 2 [< 100 [< 10	< 2	< 4 U	< 4 U	< 250 U	< 25 U	< 5 U	R	< 250 U	< 250 U	< 25 U	< 125 U	R
Vinyl chloride	N	ug/L	< 1 U	NA	NA	NA	< 0.20	< 10	< 10 [< 0.3]	< 100 [< 10 [< 2	< 2	< 2 U	< 2 U	< 25 U	< 5 U	< 0.5 U	< 0.5 U	< 25 U	< 25 U	< 2.5 U	< 12.5 U	< 5 U
Leachate Indicators																						
Ammonia Nitrogen	N	mg/L	NA	NA	NA	NA	**0.045**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromide	N	mg/L	< 0.4 U	NA	NA	NA	< 0.20	NA	NA	NA	NA	< 0 U	< 0 U	NA	NA	NA	NA	RU	NA	NA	NA	NA
Chloride	N	mg/L	**286 J**	NA	NA	NA	**180**	NA	NA	NA	NA	**247**	**244**	NA	NA	NA	NA	**202 M**	NA	NA	NA	NA
Fluoride (F-, Anion)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	N	mg/L	NA	NA	NA	NA	**0.12**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	N	mg/L	**31.4**	NA	NA	NA	**23**	NA	NA	NA	NA	**24.1**	**23.1**	NA	NA	NA	NA	**9.73**	NA	NA	NA	NA
Total Kjeldahl Nitrogen	N	mg/L	NA	NA	NA	NA	< 0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorus as PO4	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity	N	mg/L	**164**	NA	NA	NA	**160**	NA	NA	NA	NA	**220**	**240**	NA	NA	NA	NA	**248 S**	NA	NA	NA	NA
Alkalinity (as CaCO3)	N	mg/L	**244**	NA	NA	NA	NA	NA	NA	NA	NA	**365**	**341**	NA	NA	NA	NA	**290 B**	NA	NA	NA	NA
Alkalinity, Bicarbonate	N	mg/L	NA	NA	NA	NA	**160**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Carbonate	N	mg/L	NA	NA	NA	NA	< 5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Hydroxide	N	mg/L	NA	NA	NA	NA	< 5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Biological Oxygen Demand	N	mg/L	NA	NA	NA	NA	< 0.59	NA	NA	NA	NA	**3.9**	**4.5**	NA	NA	NA	NA	**13.3**	NA	NA	NA	NA
Carbon	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CBOD	N	mg/L	**3**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chemical Oxygen Demand	N	mg/L	**24.7 M**	NA	NA	NA	< 10	NA	NA	NA	NA	**22**	**19**	NA	NA	NA	NA	**35 B**	NA	NA	NA	NA
Color	N	COLOR UNIT	< 0 U	NA	NA	NA	NA	NA	NA	NA	NA	35	35	NA	NA	NA	NA	45 B	NA	NA	NA	NA
Color	N	PCU	NA	NA	NA	NA	150	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	D	ug/L	NA	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	N	ug/L	< 1 U	NA	NA	NA	< 5	NA	NA	< 10	NA	< 0 U	< 0 U	NA	NA	NA	NA	< 0 U	NA	NA	NA	NA
Hardness (as CaCO3)	N	mg/L	NA	NA	NA	NA	**210**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	N	PH UNITS	NA	NA	NA	NA	NA	NA	4.6 [4.6 [4.6]	7.2 [7.2 [7.2]	6.2 [6.7 [6.5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids	N	mg/L	**660**	NA	NA	NA	**540**	NA	NA	NA	NA	**610**	**660**	NA	NA	NA	NA	**678 SB**	NA	NA	NA	NA
Total Dissolved Solids	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	**1.34 B**	NA	NA	NA	NA	NA	NA	NA	NA	**3.3 J**	**3.7 J**	NA	NA	NA	NA	**3.96 S**	NA	NA	NA	NA
Total Organic Carbon 2	N	mg/L	NA	NA	NA	NA	**1.3**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008
		Sample Date	9/26/2003	1/13/2004	3/22/2004	6/28/2004	9/22/2004	9/28/2004	12/16/2004	3/24/2005	6/23/2005	12/14/2005	6/27/2006	1/3/2007	7/11/2007	12/5/2007	6/23/2009	6/23/2009	12/9/2009	6/22/2010	6/22/2010	6/22/2010
		Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N	FD
Chemical	**Fraction**	**Unit**																				
Metals																						
Aluminum	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	**27.7 M**	NA	NA	NA	NA	NA	NA	< 200 U	NA	**63.8 F**	NA	**57 M**	NA	< 200 U	NA	NA	< 200 UJ	NA	NA	NA
Antimony	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	< 50 U	NA	NA	NA	NA	NA	NA	< 50 U	NA	< 50 U	NA	**1.69 F**	NA	< 50 U	NA	NA	**0.48 F**	NA	NA	NA
Arsenic	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	ug/L	**14.7 F**	NA	NA	NA	NA	NA	NA	**5 F**	NA	**3.96 F**	NA	**17.6 F**	NA	< 30 U	NA	NA	**5.5**	NA	NA	NA
Barium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	ug/L	**27.6 F**	NA	NA	NA	NA	NA	NA	**26.3 F**	NA	**38.6 F**	NA	**95**	NA	**38.6 F**	NA	NA	**72**	NA	NA	NA
Beryllium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	< 4 U	NA	NA	NA	NA	NA	NA	< 4 U	NA	< 4 U	NA	< 4 U	NA	< 4 U	NA	NA	< 1 U	NA	NA	NA
Boron	T	ug/L	**24.7 F**	NA	NA	NA	NA	NA	NA	**8 F**	NA	NA	NA	**16.4 F**	NA	**13.2 F**	NA	NA	**25**	NA	NA	NA
Cadmium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	ug/L	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	NA	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	**0.077 F**	**0.75 F**	< 1 U	NA	**0.319 F**	NA
Calcium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	**97795**	**107638**	**57242**	**88229 M**	**77664 M**	NA	**78301 M**	**85070 M**	**66000 M**	**107000**	**106000**	**84900**	**49600 M**	**74000**	**81000**	**87000**	**100000 M**	NA	**115000 M**	NA
Chromium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	ug/L	**1674**	NA	NA	NA	NA	NA	NA	**45 J**	NA	**53.5 J**	NA	**90.2**	NA	**5.73 F**	NA	NA	**1600**	NA	NA	NA
Chromium VI	D	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium VI	T	mg/L	< 0.01 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	**0.006 F**	NA	< 0.01 U	NA	< 0.01 U	NA	NA	< 0.005 U	NA	NA	NA
Cobalt	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	**73.2**	NA	NA	NA	NA	NA	NA	**5 F**	NA	**3.62 F**	NA	< 60 U	NA	< 60 U	NA	NA	**30**	NA	NA	NA
Copper	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	**31.5**	NA	NA	NA	NA	NA	NA	**2 J**	NA	**1.76 F**	NA	**3.96 F**	NA	< 10 U	NA	NA	**39**	NA	NA	NA
Iron	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	**22109**	**8100**	**883 J**	**6951 J**	**4773**	NA	**8498 J**	**6037 J**	**13000 M**	**7600 J**	**47500 J**	**43200 J**	**38700 M**	**2010**	**33000 M**	**41000 M**	**15000**	NA	**19200 M**	NA
Lead	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	ug/L	**4.9 F**	< 25 U	**5.1 F**	< 25 U	< 25 U	NA	< 25 U	**2.8 J**	**2.4 J**	**2.35 F**	**2.68 F**	< 25 U	< 25 U	< 25 U	**4.1**	**4.3**	**1.9 F**	NA	**3.63**	NA
Magnesium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	**24037**	**25991**	**26192 M**	**16841**	**15817**	NA	**18880**	**21220**	**15000**	**21700**	**25000**	**17200**	**9010**	**13500**	**16000**	**18000**	**22000**	NA	**21200 M**	NA
Manganese	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	**1472**	**1401**	**223**	**1209**	**1139**	NA	**866**	**775 J**	**650**	**1180 J**	**1140**	**759 J**	**1210 M**	**714**	**36000 M**	**38000 M**	**6000**	NA	**22600 M**	NA
Mercury	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	< 1 U	NA	NA	NA	NA	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	**0.071 F**	NA	NA	NA
Nickel	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	**128**	NA	NA	NA	NA	NA	NA	**13 J**	NA	**12.4 J**	NA	**10.8 F**	NA	**15.6 F**	NA	NA	**270**	NA	NA	NA
Potassium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	**1222**	**924 F**	**16527 J**	**1127**	**1158**	NA	**1483 J**	**1330 J**	**1200 J**	**2450 J**	**2060**	**2860 J**	**2430 J**	**2850**	**2400**	**2400**	**2600**	NA	**2320 M**	NA
Selenium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	**23.3 F**	NA	NA	NA	NA	NA	NA	< 30 U	NA	< 30 U	NA	< 30 U	NA	< 30 U	NA	NA	**0.71 F**	NA	NA	NA
Silver	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	< 10 U	NA	NA	NA	NA	NA	NA	**2 F**	NA	< 10 U	NA	< 10 U	NA	< 10 U	NA	NA	< 1 UM	NA	NA	NA
Sodium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	**141662**	**160665**	**119741 M**	**201278**	**239715 M**	NA	**298706 M**	**324600**	**310000 M**	**291000**	**266000**	**344000 J**	**270000 M**	**340000**	**190000 M**	**190000 M**	**190000**	**271000 M**	NA	**268000 M**
Thallium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	< 80 U	NA	NA	NA	NA	NA	NA	< 80 U	NA	< 80 U	NA	< 80 U	NA	< 80 U	NA	NA	**0.065 F**	NA	NA	NA
Vanadium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	**10**	NA	NA	NA	NA	NA	NA	**2 J**	NA	< 10 U	NA	< 10 U	NA	< 10 U	NA	NA	< 25 U	NA	NA	NA
Zinc	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	**20.2**	NA	NA	NA	NA	NA	NA	**10 F**	NA	**121**	NA	**50.8**	NA	**44.9 J**	NA	NA	**9.9 M**	NA	NA	NA
Total Recoverable Phenolics	N	mg/L	**0.016 J**	NA	NA	NA	NA	NA	NA	**0.0028 F**	NA	< 0.005 U	NA	< 0.005 U	NA	< 0.005 U	NA	NA	< 0.05 UM	NA	NA	NA
VOCs																						
1,1,1-Trichloroethane	N	ug/L	< 5 U	< 10 U	< 10 U	< 1 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
1,1,2,2-Tetrachloroethane	N	ug/L	< 5 U	< 10 U	< 10 U	< 1 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
1,1,2-trichloro-1,2,2-trifluoroethane	N	ug/L	< 5 U	< 10 U	< 10 U	< 1 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	NA	< 5 U	NA
1,1,2-Trichloroethane	N	ug/L	< 5 U	< 10 U	< 10 U	< 1 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
1,1-Dichloroethane	N	ug/L	< 5 U	< 10 U	< 10 U	< 1 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
1,1-Dichloroethene	N	ug/L	< 5 U	< 10 U	< 10 U	< 1 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
1,2,3-Trichloropropane	N	ug/L	< 5 U	< 10 U	< 10 U	< 1 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
1,2,3-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	N	ug/L	< 5 U	< 10 U	< 10 U	< 1 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
1,2,4-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	N	ug/L	< 10 U	< 20 U	< 20 U	< 2 U	NA	< 1 U	< 1 U	< 1 U	< 2 U	< 1 U	NA	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U	< 2 U	NA	< 2 U	NA
1,2-Dibromoethane	N	ug/L	< 5 U	< 10 U	< 10 U	< 1 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
1,2-Dichlorobenzene	N	ug/L	< 5 U	< 10 U	< 10 U	< 1 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
1,2-Dichloroethane	N	ug/L	< 5 U	< 10 U	< 10 U	< 1 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
1,2-Dichloroethene, Total	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	N	ug/L	< 5 U	< 10 U	< 10 U	< 1 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
1,3,5-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	N	ug/L	< 5 U	< 10 U	< 10 U	< 1 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
1,3-Dichloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	N	ug/L	< 5 U	< 10 U	< 10 U	< 1 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
1,4-Dioxane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	N	ug/L	< 50 U	< 100 U	< 100 U	< 10 U	NA	< 5 U	< 5 U	< 5 U	< 10 U	< 5 U	NA	< 5 U	< 5 U	< 5 U	< 10 U	< 10 U	< 10 U	NA	< 5 U	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008
		Sample Date	9/26/2003	1/13/2004	3/22/2004	6/28/2004	9/22/2004	9/28/2004	12/16/2004	3/24/2005	6/23/2005	12/14/2005	6/27/2006	1/3/2007	7/11/2007	12/5/2007	6/23/2009	6/23/2009	12/9/2009	6/22/2010	6/22/2010	6/22/2010
		Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N	FD
Chemical	**Fraction**	**Unit**																				
2-Chloroethyl vinyl ether	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	N	ug/L	< 50 U	< 100 U	< 100 U	< 10 U	NA	< 5 U	< 5 U	< 5 U	< 10 U	< 5 U	NA	< 5 U	< 5 U	< 5 U	< 10 U	< 10 U	< 10 U	NA	< 5 U	NA
Acetone	N	ug/L	< 50 U	< 100 U	< 100 U	< 10 U	NA	< 10 U	< 5 U	R	< 10 U	< 5 U	NA	< 5 U	< 5 U	< 5 U	< 20 U	< 20 U	< 20 U	NA	< 5 U	NA
Acrylonitrile	N	ug/L	< 50 U	< 100 U	< 100 U	< 10 U	NA	< 5 U	< 5 U	< 4 U	< 2.5 U	< 4 U	NA	< 4 U	< 4 U	< 4 U	< 1 U	< 1 U	< 1 U	NA	< 5 U	NA
Benzene	N	ug/L	< 5 U	< 10 U	< 10 U	< 1 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.4 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
Bromochloromethane	N	ug/L	< 5 U	< 10 U	< 10 U	< 1 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
Bromodichloromethane	N	ug/L	< 5 U	< 10 U	< 10 U	< 1 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
Bromoform	N	ug/L	< 5 U	< 10 U	< 10 U	< 1 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
Bromomethane	N	ug/L	< 5 U	< 10 U	< 10 U	< 1 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 3 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	NA	< 1 UM	NA
Carbon Disulfide	N	ug/L	< 5 U	< 10 U	< 10 U	< 1 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 5 U	< 5 U	< 5 U	NA	< 1 U	NA
Carbon Tetrachloride	N	ug/L	< 5 U	< 10 U	< 10 U	< 1 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
CFC-11	N	ug/L	< 5 U	< 10 U	< 10 U	< 1 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
CFC-12	N	ug/L	< 5 U	< 10 U	< 10 U	< 1 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 0.5 U	NA	< 0.5 U	R	< 0.5 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
Chlorobenzene	N	ug/L	< 5 U	< 10 U	< 10 U	< 1 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
Chlorodibromomethane	N	ug/L	< 5 U	< 10 U	< 10 U	< 1 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
Chloroethane	N	ug/L	< 5 U	< 10 U	< 10 U	< 1 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 0.5 UM	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
Chloroform	N	ug/L	< 5 U	< 10 U	< 10 U	< 1 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.3 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
Chloromethane	N	ug/L	< 5 U	< 10 U	< 10 U	< 1 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
cis-1,2-Dichloroethene	N	ug/L	< 5 U	< 10 U	< 10 U	< 1 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
cis-1,3-Dichloropropene	N	ug/L	< 5 U	< 10 U	< 10 U	< 1 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
Cyclohexane	N	ug/L	**51**	**52.1**	**61.4**	**35.4**	NA	**20**	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 5 U	< 5 U	< 5 U	NA	< 5 U	NA
Dibromomethane	N	ug/L	< 5 U	< 10 U	< 10 U	< 1 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
Dichloromethane	N	ug/L	< 5 U	< 10 U	< 10 U	< 1 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 5 U	< 5 U	< 5 U	NA	< 1 U	NA
Ethylbenzene	N	ug/L	**1417**	**1390**	**1675**	**480**	NA	**64.7**	**1.44**	**0.86**	< 1 U	**0.23 F**	NA	**0.14 F**	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
Isopropylbenzene	N	ug/L	**52.6**	**53.1**	**63.6**	**39.9**	NA	**16**	**0.97**	**0.4 F**	**0.17 F**	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
m&p-Xylenes	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	N	ug/L	< 50 U	< 100 U	< 100 U	< 10 U	NA	< 5 U	< 5 U	< 5 U	< 0.5 U	< 5 U	NA	R	R	< 5 U	< 5 U	< 5 U	< 5 U	NA	< 5 U	NA
Methyl N-Butyl Ketone (2-Hexanone)	N	ug/L	< 50 U	< 100 U	< 100 U	< 10 U	NA	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	NA	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 UJ	NA	< 5 U	NA
Methylcyclohexane	N	ug/L	**30.7**	**31.7**	**40.6**	**21.9**	NA	**11**	**1.05**	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 5 U	< 5 U	< 5 U	NA	< 5 U	NA
Methyl-tert-butylether	N	ug/L	< 5 U	< 10 U	< 10 U	< 1 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
n-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenolics	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	N	ug/L	< 5 U	< 10 U	< 10 U	< 1 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
tert-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	N	ug/L	< 5 U	< 10 U	< 10 U	< 1 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
Toluene	N	ug/L	**285**	**74.3**	**124**	**2.29**	NA	**1.18**	< 0.5 U	< 0.5 U	**0.11 F**	**0.2 F**	NA	**0.1 F**	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
Total Xylenes	N	ug/L	**1804**	**2004**	**2789**	**215**	NA	**4.47**	**0.84 F**	**0.21 F**	**0.17 F**	**0.13 F**	NA	< 1.5 U	< 1.5 U	**0.11 F**	< 3 U	< 3 U	< 3 U	NA	< 1 U	NA
trans-1,2-Dichloroethene	N	ug/L	< 5 U	< 10 U	< 10 U	< 1 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
trans-1,3-Dichloropropene	N	ug/L	< 5 U	< 10 U	< 10 U	< 1 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
trans-1,4-Dichloro-2-butene	N	ug/L	< 5 U	< 10 U	< 10 U	< 1 U	NA	< 0.5 U	< 0.5 U	< 2 U	< 5 U	< 2 U	NA	< 2 U	< 2 U	< 2 U	< 5 U	< 5 U	< 5 U	NA	< 5 U	NA
Trichloroethene	N	ug/L	< 5 U	< 10 U	< 10 U	< 1 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
Vinyl acetate	N	ug/L	< 50 U	< 100 U	< 100 U	< 10 U	NA	< 5 U	< 5 U	R	< 2 U	< 2 U	NA	R	< 2 U	< 2 U	< 5 U	< 5 U	< 5 U	NA	< 5 U	NA
Vinyl chloride	N	ug/L	< 5 U	< 10 U	< 10 U	< 1 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
Leachate Indicators																						
Ammonia Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromide	N	mg/L	**0.06 F**	NA	NA	NA	NA	NA	NA	< 0 U	NA	< 0 UM	NA	< 0 UM	NA	**0.11 F**	NA	NA	< 0 U	NA	NA	NA
Chloride	N	mg/L	**242 J**	NA	NA	NA	NA	NA	NA	**458 M**	NA	**490 M**	NA	**540 M**	NA	**550**	NA	NA	**410**	NA	NA	NA
Fluoride (F-, Anion)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	N	mg/L	**10**	NA	NA	NA	NA	NA	NA	**57.28**	NA	**73**	NA	**62 M**	NA	**54**	NA	NA	**36 M**	NA	NA	NA
Total Kjeldahl Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorus as PO4	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity	N	mg/L	**233 B**	NA	NA	NA	NA	NA	NA	**210**	NA	**220**	NA	**230**	NA	**190**	NA	NA	NA	NA	NA	NA
Alkalinity (as CaCO3)	N	mg/L	**550 B**	NA	NA	NA	NA	NA	NA	**324**	NA	**380 B**	NA	**280**	NA	**240**	NA	NA	**379**	NA	NA	NA
Alkalinity, Bicarbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Carbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Hydroxide	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Biological Oxygen Demand	N	mg/L	**29.54 B**	NA	NA	NA	NA	NA	NA	< 0 U	NA	**7.3**	NA	< 0 U	NA	< 0 U	NA	NA	**1.1**	NA	NA	NA
Carbon	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	**3.42 J**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CBOD	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chemical Oxygen Demand	N	mg/L	**61 M**	NA	NA	NA	NA	NA	NA	< 0 U	NA	**14**	NA	**14 J**	NA	**4.1 J**	NA	NA	**1.5 J**	NA	NA	NA
Color	N	COLOR UNIT	35	NA	NA	NA	NA	NA	NA	10	NA	15	NA	25	NA	30	NA	NA	< 0 U	NA	NA	NA
Color	N	PCU	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	N	ug/L	< 0 U	NA	NA	NA	NA	NA	NA	< 0 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	< 1 U	NA	NA	NA
Hardness (as CaCO3)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	N	PH UNITS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids	N	mg/L	**692 S**	NA	NA	NA	NA	NA	NA	**680**	NA	**1100**	NA	**1300**	NA	**1100**	NA	NA	NA	NA	NA	NA
Total Dissolved Solids	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	**5.54 J**	NA	NA	NA	NA	NA	NA	**3.2 J**	NA	NA	NA	**3.3 J**	NA	**3.3**	NA	NA	**2.6 M**	NA	NA	NA
Total Organic Carbon 2	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009
		Sample Date	6/22/2010	12/7/2010	6/21/2011	6/21/2011	12/7/2011	6/21/2012	6/21/2012	6/19/2013	6/24/2014	6/24/2014	7/7/2015	8/24/2017	7/30/2018	8/9/1988	8/9/1988	1/11/1989	9/18/1991	11/26/1991	11/26/1991	4/24/2001
		Sample Type	FD	N	N	FD	N	N	FD	N	N	N	N	N	N	N	FD	N	N	N	FD	N
Chemical	**Fraction**	**Unit**																				
Metals																						
Aluminum	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**42**	**57.2**	NA	NA	NA
Aluminum	T	ug/L	NA	**80.5 F**	< 100 U	< 100 U	< 100 U	NA	NA	< 200 U	NA	NA	NA	NA	< 70	NA	NA	NA	**122**	NA	NA	**12.2 B**
Antimony	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 43	< 47	NA	NA	NA
Antimony	T	ug/L	NA	< 10 U	< 1 U	< 1 U	< 1 U	NA	NA	< 1 U	NA	NA	NA	NA	< 1.0	NA	NA	NA	< 17	NA	NA	< 4.1 U
Arsenic	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**2.2**	< 3	NA	NA	NA
Arsenic	T	ug/L	NA	**62.7 M**	**3.59 J**	**1.82 J**	**5.31**	NA	NA	**6.56 J**	NA	NA	NA	NA	< 1.0	NA	NA	NA	**3**	NA	NA	< 4.4 U
Barium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**7.2**	**8.7**	NA	NA	NA
Barium	T	ug/L	NA	**139**	**80.2 B**	**67.5 B**	**139**	NA	NA	**184**	NA	NA	NA	NA	**41**	NA	NA	NA	**8.3**	NA	NA	**8.5 B**
Beryllium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.1	< 1	NA	NA	NA
Beryllium	T	ug/L	NA	< 2 U	**0.882 F**	**0.639 F**	**3.6**	NA	NA	**0.621 F**	NA	NA	NA	NA	**0.12**	NA	NA	NA	< 2	NA	NA	< 0.1 U
Boron	T	ug/L	NA	**113**	**58.9 F**	< 100 U	**70.5 F**	NA	NA	< 100 U	NA	NA	NA	NA	< 15	NA	NA	NA	NA	NA	NA	< 32.4 U
Cadmium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4.3	< 5	NA	NA	NA
Cadmium	T	ug/L	**0.37 F**	< 3 U	< 0.6 U	< 0.6 U	< 0.6 U	< 0.6 U	< 0.6 U	< 0.6 U	**0.644**	NA	< 0.6 U	< 1.0	< 1.0	NA	NA	NA	< 5	NA	NA	< 0.4 U
Calcium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**60100**	**56600**	NA	NA	NA
Calcium	T	ug/L	**113000 M**	**112000 M**	**137000 B**	**134000 B**	**128000**	**76600 M**	**76400 M**	**83100 M**	**88400 M**	NA	**74500 M**	**60000**	**78000**	NA	NA	NA	**58500**	NA	NA	**54000**
Chromium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**80**	**31.3**	NA	NA	NA
Chromium	T	ug/L	NA	**2550 M**	**314 M**	**130 M**	NA	NA	NA	**2490 M**	NA	**5230 M**	**24.6**	**110**	**17**	NA	NA	NA	**722**	NA	NA	**30.8**
Chromium VI	D	mg/L	NA	< 0.005 U	NA	NA	< 0.01 U	NA	NA	< 0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium VI	T	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.010	NA	NA	NA	NA	NA	NA	< 0.01 U
Cobalt	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**8.1**	< 5	NA	NA	NA
Cobalt	T	ug/L	NA	**33.1 M**	**5.33 J**	**3.63 J**	**15.7**	NA	NA	**20 J**	NA	NA	NA	NA	**0.16**	NA	NA	NA	< 5	NA	NA	< 0.6 U
Copper	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**13**	**3.2**	NA	NA	NA
Copper	T	ug/L	NA	**81.5**	**6.93 J**	< 5 UJ	**8.41**	NA	NA	**46.8**	NA	NA	NA	NA	< 1.8	NA	NA	NA	< 5	NA	NA	**3.4 B**
Iron	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**475**	< 42	NA	NA	NA
Iron	T	ug/L	**21700 M**	**28600 M**	**12300 M**	**5950 M**	**19800**	**6860 M**	**6270 M**	**26200 M**	**33600**	NA	**438**	**620**	**110**	NA	NA	NA	**6020**	NA	NA	**227**
Lead	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.91	< 2	NA	NA	NA
Lead	T	ug/L	**3.4**	**5.66**	**2.56**	**2.23**	**1.63**	**0.964 F**	< 1 U	**1.19**	**1.88**	NA	< 1 U	< 0.70	< 0.70	NA	NA	NA	< 2	NA	NA	< 2.1 U
Magnesium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**249000**	**24100**	NA	NA	NA
Magnesium	T	ug/L	**20400 M**	**18300**	**24500 B**	**24800 B**	**29500**	**15200 M**	**15200 M**	**18200**	**17700 M**	NA	**18700**	**15000**	**19000**	NA	NA	NA	**24300**	NA	NA	**20500**
Manganese	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**19**	**19.4**	NA	NA	NA
Manganese	T	ug/L	**23500 M**	**38400 M**	**4630**	**3820**	**23300**	**10700 M**	**11200 M**	**10400 J**	**28300**	NA	**209**	**82**	**93**	NA	NA	NA	**77.5**	NA	NA	**69.5**
Mercury	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.2	< 0.2	NA	NA	NA
Mercury	T	ug/L	NA	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	NA	NA	< 0.2 U	NA	NA	NA	NA	< 0.080	NA	NA	NA	< 0.2	NA	NA	< 0.1 U
Nickel	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**46**	**41.8**	NA	NA	NA
Nickel	T	ug/L	NA	**773 M**	**46 M**	**27.3 M**	**74.9**	NA	NA	**389 M**	NA	NA	NA	NA	**9.6**	NA	NA	NA	**68.3**	NA	NA	**21.9**
Potassium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**5770**	**2400**	NA	NA	NA
Potassium	T	ug/L	**2300 M**	**2470**	**2640 B**	**2620 B**	**2670**	**1740**	**1700**	**1950**	**1880 M**	NA	**1770**	**1600**	**2200**	NA	NA	NA	**1570**	NA	NA	**2020 J**
Selenium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**10**	**2**	NA	NA	NA
Selenium	T	ug/L	NA	< 5 U	**0.85 F**	**0.953 F**	NA	NA	NA	**0.872 F**	NA	NA	NA	NA	< 2.0	NA	NA	NA	< 2	NA	NA	< 9.9 U
Silver	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4.3	< 4	NA	NA	NA
Silver	T	ug/L	NA	< 5 U	< 1 U	< 1 U	< 1 U	NA	NA	< 1 U	NA	NA	NA	NA	< 0.10	NA	NA	NA	**2.8**	NA	NA	< 0.9 U
Sodium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**53100**	**76700**	NA	NA	NA
Sodium	T	ug/L	NA	**262000 M**	NA	NA	NA	**182000 M**	**183000 M**	**215000**	**216000**	NA	**262000**	**250000**	**300000**	NA	NA	NA	**76700**	NA	NA	**141000**
Thallium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2	< 1	NA	NA	NA
Thallium	T	ug/L	NA	**0.134 M**	< 0.2 U	< 0.2 U	< 0.2 U	NA	NA	< 0.2 U	NA	NA	NA	NA	< 0.20	NA	NA	NA	**1**	NA	NA	< 4.3 U
Vanadium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**7.2**	< 7	NA	NA	NA
Vanadium	T	ug/L	NA	< 50 UM	< 1 U	< 1 U	NA	NA	NA	< 200 UM	NA	NA	NA	NA	< 2.0	NA	NA	NA	**4.1**	NA	NA	< 1 U
Zinc	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**47**	< 1	NA	NA	NA
Zinc	T	ug/L	NA	**9.16 F**	**5.23 F**	< 20 U	**9.71 F**	NA	NA	**37.4**	NA	NA	NA	NA	< 8.0	NA	NA	NA	< 2	NA	NA	**7.6 B**
Total Recoverable Phenolics	N	mg/L	NA	**0.0039 F**	NA	NA	< 0.005 U	NA	NA	< 0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.005 UJ
VOCs																						
1,1,1-Trichloroethane	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.40	< 0.40	NA	NA	< 5 [< 0.3]	< 5	< 1 [< 25]	< 25 [< 1]	< 1 U
1,1,2,2-Tetrachloroethane	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.80	< 0.80	NA	NA	< 5 [< 0.3]	< 5	< 25 [< 1]	< 25 [< 1]	< 1 U
1,1,2-trichloro-1,2,2-trifluoroethane	N	ug/L	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	NA	NA	NA	< 1.6	< 1.6	NA	NA	< 1	NA	NA	NA	NA
1,1,2-Trichloroethane	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.80	< 0.80	NA	NA	< 5 [< 0.2]	< 5	< 25 [< 1]	< 25 [< 1]	< 1 U
1,1-Dichloroethane	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.80	< 0.80	NA	NA	< 5 [< 0.4]	< 5	< 25 [< 1]	< 1 [< 25]	< 1 U
1,1-Dichloroethene	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.80	< 0.80	NA	NA	< 5 [< 0.3]	< 5	< 25 [< 1]	< 1 [< 25]	< 1 U
1,2,3-Trichloropropane	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 1 U
1,2,3-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.40	< 0.40	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	N	ug/L	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	NA	NA	NA	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 1 U
1,2-Dibromoethane	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.40	< 0.40	NA	NA	NA	NA	NA	NA	< 1 U
1,2-Dichlorobenzene	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.40	< 0.40	NA	NA	< 1	NA	NA	NA	< 1 U
1,2-Dichloroethane	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.40	< 0.40	NA	NA	< 5 [< 0.3]	< 5	< 1 [< 25]	< 25 [< 1]	< 1 U
1,2-Dichloroethene, Total	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5	< 5	< 5 [< 0.5]	< 5	< 25 [< 1]	< 25 [< 1]	NA
1,2-Dichloropropane	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.40	< 0.40	< 5	< 5	< 5 [< 0.2]	< 5	< 25 [< 1]	< 25 [< 1]	< 1 U
1,3,5-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.40	< 0.40	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.40	< 0.40	NA	NA	< 1	NA	NA	NA	NA
1,3-Dichloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.40	< 0.40	NA	NA	< 1	NA	NA	NA	< 1 U
1,4-Dioxane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 160	< 160	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	N	ug/L	< 5 U	< 5 U	< 5 UM	< 5 UM	< 5 U	< 5 U	< 5 U	< 5 U	NA	NA	NA	< 4.0	< 4.0	< 10	< 10	**18**	< 10	< 50 [< 2]	< 50 [< 2]	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009
		Sample Date	6/22/2010	12/7/2010	6/21/2011	6/21/2011	12/7/2011	6/21/2012	6/21/2012	6/19/2013	6/24/2014	6/24/2014	7/7/2015	8/24/2017	7/30/2018	8/9/1988	8/9/1988	1/11/1989	9/18/1991	11/26/1991	11/26/1991	4/24/2001
		Sample Type	FD	N	N	FD	N	N	FD	N	N	N	N	N	N	N	FD	N	N	N	FD	N
Chemical	**Fraction**	**Unit**																				
2-Chloroethyl vinyl ether	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.4	NA	NA	NA	NA
4-Methyl-2-Pentanone	N	ug/L	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	NA	NA	NA	< 3.2	< 3.2	< 10	< 10	< 10	< 10	< 50 [< 2]	< 50 [< 2]	< 2 U
Acetone	N	ug/L	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	NA	NA	NA	< 6.4	**67**	< 10	< 10	< 10	< 10	**280 [400]**	**430 [310]**	NA
Acrylonitrile	N	ug/L	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	NA	NA	NA	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA
Benzene	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.40	< 0.40	< 5	< 5	< 5	< 5	< 25 [< 1]	< 1 [< 25]	< 1 U
Bromochloromethane	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1 U
Bromodichloromethane	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.40	< 0.40	< 5	< 5	< 5 [< 0.4]	< 5	< 25 [< 1]	< 1 [< 25]	< 1 U
Bromoform	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.40	< 0.40	NA	NA	< 5 [< 0.5]	< 5	< 25 [< 1]	< 1 [< 25]	< 1 U
Bromomethane	N	ug/L	< 1 UM	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.80	< 0.80	NA	NA	< 10 [< 0.5]	< 10	< 50 [< 2]	< 50 [< 2]	< 2 U
Carbon Disulfide	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 1.6	< 1.6	NA	NA	< 5	< 5	< 25 [< 1]	< 25 [< 1]	< 1 U
Carbon Tetrachloride	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.40	< 0.40	NA	NA	< 5 [< 0.3]	< 5	< 1 [< 25]	< 1 [< 25]	< 1 U
CFC-11	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	**0.45 J**
CFC-12	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.40	< 0.40	< 5	< 5	< 5 [< 0.4]	< 5	< 1 [< 25]	< 1 [< 25]	< 1 U
Chlorodibromomethane	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.40	< 0.40	NA	NA	< 5 [< 0.4]	< 5	< 1 [< 25]	< 25 [< 1]	< 1 U
Chloroethane	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 1.6	< 1.6	NA	NA	< 10 [< 0.5]	< 10	< 2 [< 50]	< 50 [< 2]	< 2 U
Chloroform	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.40	< 0.40	**19**	< 5	< 5 [< 0.2]	< 5	< 1 [< 25]	< 1 [< 25]	< 1 U
Chloromethane	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.80	< 0.80	NA	NA	< 10 [< 0.5]	< 10	< 2 [< 50]	< 50 [< 2]	< 2 U
cis-1,2-Dichloroethene	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.40	< 0.40	NA	NA	NA	NA	NA	NA	< 1 U
cis-1,3-Dichloropropene	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.40	< 0.40	NA	NA	< 5 [< 0.3]	< 5	< 25 [< 1]	< 25 [< 1]	< 1 U
Cyclohexane	N	ug/L	< 5 U	< 5 U	< 5 U	< 5 U	**1.58 F**	< 5 U	< 5 U	< 5 U	NA	NA	NA	< 0.80	**1.2**	NA	NA	NA	NA	NA	NA	NA
Dibromomethane	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.40	< 0.40	NA	NA	NA	NA	NA	NA	< 1 U
Dichloromethane	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.80	**0.64**	**8**	< 5	**2 [< 1]**	< 5	**34 [< 1]**	**80 [< 1]**	< 1 U
Ethylbenzene	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.40	< 0.40	< 5	< 5	< 5	< 5	< 25 [< 1]	< 25 [< 1]	**61.2 J**
Isopropylbenzene	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	**0.349 F**	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.40	< 0.40	NA	NA	NA	NA	NA	NA	NA
m&p-Xylenes	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	N	ug/L	< 5 U	< 5 U	< 5 U	< 5 U	**24.5**	< 5 U	< 5 U	< 5 U	NA	NA	NA	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA
Methyl N-Butyl Ketone (2-Hexanone)	N	ug/L	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	NA	NA	NA	< 4.0	< 4.0	< 10	< 10	< 10	< 10	< 2 [< 50]	< 50 [< 2]	< 2 U
Methylcyclohexane	N	ug/L	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	NA	NA	NA	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA
Methyl-tert-butylether	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 1 U
n-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.40	< 0.40	NA	NA	NA	NA	NA	NA	NA
o-Xylene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA
Phenolics	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.010	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.40	**0.96**	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.40	< 0.40	NA	NA	< 5	< 5	< 1 [< 25]	< 25 [< 1]	< 1 U
tert-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.40	< 0.40	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.40	< 0.40	< 5	< 5	< 5 [< 0.2]	< 5	< 25 [< 1]	< 25 [< 1]	< 1 U
Toluene	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.40	< 0.40	< 5	< 5	< 5	< 5	< 25 [< 1]	< 1 [< 25]	**3.7**
Total Xylenes	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	NA	< 0.80	< 5	< 5	< 5	< 5	< 25 [< 1]	< 1 [< 25]	< 1 U
trans-1,2-Dichloroethene	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.40	< 0.40	NA	NA	NA	NA	NA	NA	< 1 U
trans-1,3-Dichloropropene	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.40	< 0.40	NA	NA	< 5 [< 0.3]	< 5	< 25 [< 1]	< 1 [< 25]	< 1 U
trans-1,4-Dichloro-2-butene	N	ug/L	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	NA	NA	NA	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 1 U
Trichloroethene	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.40	< 0.40	< 5	< 5	< 5 [< 0.5]	< 5	< 25 [< 1]	< 25 [< 1]	< 1 U
Vinyl acetate	N	ug/L	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	NA	NA	NA	< 2.0	< 2.0	NA	NA	< 10	< 10	< 2 [< 50]	< 50 [< 2]	< 4 U
Vinyl chloride	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.20	< 0.20	< 10	< 10	< 10 [< 0.3]	< 10	< 2 [< 50]	< 50 [< 2]	< 2 U
Leachate Indicators																						
Ammonia Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.050	NA	NA	NA	NA	NA	NA	NA
Bromide	N	mg/L	NA	< 0 U	NA	NA	< 0 U	NA	NA	< 0.6 U	NA	NA	NA	NA	< 1.0	NA	NA	NA	NA	NA	NA	< 0 U
Chloride	N	mg/L	NA	**429 M**	NA	NA	NA	NA	NA	**390 J**	NA	NA	NA	NA	**490**	NA	NA	NA	NA	NA	NA	**210**
Fluoride (F-, Anion)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.50	NA	NA	NA	NA	NA	NA	NA
Sulfate	N	mg/L	NA	**38**	NA	NA	**34.6**	NA	NA	**33.4**	NA	NA	NA	NA	**36**	NA	NA	NA	NA	NA	NA	**29.3**
Total Kjeldahl Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.50	NA	NA	NA	NA	NA	NA	NA
Total Phosphorus as PO4	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity	N	mg/L	NA	**247 M**	NA	NA	**276**	NA	NA	**192**	NA	NA	NA	NA	**200**	NA	NA	NA	NA	NA	NA	**180**
Alkalinity (as CaCO3)	N	mg/L	NA	**404 M**	NA	NA	**408**	NA	NA	**354**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**208**
Alkalinity, Bicarbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**200**	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Carbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 3.2	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Hydroxide	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 3.2	NA	NA	NA	NA	NA	NA	NA
Biological Oxygen Demand	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.59	NA	NA	NA	NA	NA	NA	**7.3**
Carbon	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CBOD	N	mg/L	NA	**1.22 M**	NA	NA	**1.16 F**	NA	NA	< 0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chemical Oxygen Demand	N	mg/L	NA	**15.3 M**	NA	NA	< 0 U	NA	NA	< 0 U	NA	NA	NA	NA	< 20	NA	NA	NA	NA	NA	NA	**9.5**
Color	N	COLOR UNIT	NA	< 0 U	NA	NA	< 0 U	NA	NA	< 0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0 U
Color	N	PCU	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.0	NA	NA	NA	NA	NA	NA	NA
Cyanide	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA
Cyanide	N	ug/L	NA	**6.9 F**	NA	NA	< 1 U	NA	NA	< 1 U	NA	NA	NA	NA	**4.4**	NA	NA	NA	< 10	NA	NA	< 0 U
Hardness (as CaCO3)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**260**	NA	NA	NA	NA	NA	NA	NA
pH	N	PH UNITS	NA	NA	NA	NA	7.25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.2 [4.7 [4.3]	7.3 [7.2 [7.3]	7.7 [7.8 [7.8]	NA	NA
Total Dissolved Solids	N	mg/L	NA	**1040**	NA	NA	**1100**	NA	NA	**898**	NA	NA	NA	NA	**1000**	NA	NA	NA	NA	NA	NA	**550**
Total Dissolved Solids	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	NA	**10.9 M**	NA	NA	**2.87**	NA	NA	**2.53 B**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**6.2 J**
Total Organic Carbon 2	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**1.7**	NA	NA	NA	NA	NA	NA	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009
		Sample Date	6/26/2001	9/20/2001	12/13/2001	3/21/2002	6/19/2002	9/20/2002	12/18/2002	3/25/2003	6/20/2003	9/26/2003	1/13/2004	3/22/2004	6/28/2004	9/22/2004	9/28/2004	12/16/2004	3/24/2005	6/23/2005	12/14/2005	6/27/2006
		Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**																				
Metals																						
Aluminum	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	NA	NA	NA	NA	**24.9 F**	**35.8 F**	< 200 U	NA	NA	< 200 U	NA	NA	NA	NA	NA	NA	**30 F**	NA	**53.8 F**	NA
Antimony	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	NA	NA	NA	NA	**6 F**	**3.4 F**	< 50 U	NA	NA	< 50 U	NA	NA	NA	NA	NA	NA	< 50 U	NA	< 50 U	NA
Arsenic	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	ug/L	NA	NA	NA	NA	< 30 U	< 30 U	< 30 U	NA	NA	**12.7 F**	NA	NA	NA	NA	NA	NA	< 30 U	NA	< 30 U	NA
Barium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	ug/L	NA	NA	NA	NA	**12.4**	**12.7 J**	**6 F**	NA	NA	**12.7 F**	NA	NA	NA	NA	NA	NA	**8.63 F**	NA	**6.09 F**	NA
Beryllium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	NA	NA	NA	NA	< 5 U	< 5 U	< 4 U	NA	NA	< 4 U	NA	NA	NA	NA	NA	NA	< 4 U	NA	< 4 U	NA
Boron	T	ug/L	NA	NA	NA	NA	< 110 U	< 110 U	< 110 U	NA	NA	**23.4 F**	NA	NA	NA	NA	NA	NA	**8 F**	NA	NA	NA
Cadmium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	ug/L	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	NA	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Calcium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	**56097 M**	**55089 M**	**19272 J**	**53477 MJ**	**39595 MJ**	**49128 M**	**30235**	**51530 M**	**52798 M**	**75803**	**31258**	**69564**	**70055 M**	**64229 M**	NA	**53120 M**	**51230 M**	**52000 M**	**26300**	**64900**
Chromium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	ug/L	NA	NA	NA	NA	**200**	**80.5 J**	**36.5**	NA	NA	**79.9**	NA	NA	NA	NA	NA	NA	**164 J**	NA	**238 J**	NA
Chromium VI	D	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium VI	T	mg/L	NA	NA	NA	NA	**0.004 F**	NA	NA	NA	NA	**0.053**	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	**0.063**	NA
Cobalt	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	NA	NA	NA	NA	**3.4 F**	< 6 U	< 60 U	NA	NA	**4.1 F**	NA	NA	NA	NA	NA	NA	< 60 U	NA	< 60 U	NA
Copper	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	NA	NA	NA	NA	< 10 U	< 10 U	< 10 U	NA	NA	< 10 U	NA	NA	NA	NA	NA	NA	R	NA	**1.61 F**	NA
Iron	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	**1552**	**574**	**2295 J**	**1015**	**3314 M**	**606 J**	**243**	**306 J**	**625**	**777**	**190 F**	**4293 J**	**196 J**	**6779**	NA	**445 J**	**925 J**	**620 M**	**1580 J**	**5870 J**
Lead	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	ug/L	< 25 U	< 25 U	< 25 U	**2.9 F**	< 25 U	< 25 U	< 25 U	< 25 U	**2.6 F**	< 25 U	< 25 U	< 25 U	< 25 U	**2.1 F**	NA	< 25 U	**0.9 J**	R	< 25 U	**0.87 F**
Magnesium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	**19860**	**21622**	**18485**	**22330**	**19817 MJ**	**21299**	**20160**	**23381 M**	**23086 M**	**26004**	**27975**	**27709 M**	**26824**	**26270**	NA	**21743**	**19450**	**22000**	**21900**	**24300**
Manganese	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	**140**	**55.6**	**20.7 B**	**89.9**	**106**	**64.2**	**10.7**	**7.9 F**	**12.7**	**1331**	**29.1**	**713**	**222**	**555**	NA	**50.5**	**134 J**	**48**	**68.4 J**	**184**
Mercury	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	NA	NA	NA	NA	< 1 UM	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	NA	NA	< 1 U	NA	< 1 U	NA
Nickel	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	NA	NA	NA	NA	**20.3**	**49 J**	**7 F**	NA	NA	**47**	NA	NA	NA	NA	NA	NA	**28 J**	NA	**111 J**	NA
Potassium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	**1810 J**	**2396 J**	**20209**	**5669**	**7304**	**2069**	**13371**	**3243**	**2844**	**6761**	**25988**	**5122 J**	**5478**	**3922**	NA	**3634 J**	**2660 J**	**7000 J**	**23600 J**	**2450**
Selenium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	NA	NA	NA	NA	< 30 U	< 30 U	< 30 U	NA	NA	**18.2 F**	NA	NA	NA	NA	NA	NA	< 30 U	NA	< 30 U	NA
Silver	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	NA	NA	NA	NA	< 10 U	< 10 U	< 10 U	NA	NA	< 10 U	NA	NA	NA	NA	NA	NA	< 10 U	NA	< 10 U	NA
Sodium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	**139780**	**147953**	**158424**	**150090 M**	**127520 MJ**	**136531 M**	**144688**	**136729 M**	**129351 M**	**146569**	**152611**	**154664 M**	**163363**	**182431 M**	NA	**159462 M**	**161300**	**140000 M**	**164000**	**207000**
Thallium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	NA	NA	NA	NA	< 80 U	< 80 U	< 80 U	NA	NA	< 80 U	NA	NA	NA	NA	NA	NA	< 80 U	NA	< 80 U	NA
Vanadium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	NA	NA	NA	NA	< 10 U	< 10 U	**1.7 F**	NA	NA	**3.4 F**	NA	NA	NA	NA	NA	NA	R	NA	**3.52 F**	NA
Zinc	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	NA	NA	NA	NA	**8.6 F**	**367**	**3 F**	NA	NA	**2.3 F**	NA	NA	NA	NA	NA	NA	**5 F**	NA	**161**	NA
Total Recoverable Phenolics	N	mg/L	NA	NA	NA	NA	< 0.005 UM	NA	NA	NA	NA	R	NA	NA	NA	NA	NA	NA	< 0.005 U	NA	< 0.005 U	NA
VOCs																						
1,1,1-Trichloroethane	N	ug/L	< 0.5 U	NA	NA	< 0.5 U	< 10 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA
1,1,2,2-Tetrachloroethane	N	ug/L	< 0.5 U	NA	NA	< 0.5 U	< 10 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA
1,1,2-trichloro-1,2,2-trifluoroethane	N	ug/L	< 0.5 U	NA	NA	< 0.5 U	< 10 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA
1,1,2-Trichloroethane	N	ug/L	< 0.5 U	NA	NA	< 0.5 U	< 10 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 0.5 U	NA
1,1-Dichloroethane	N	ug/L	< 0.5 U	NA	NA	< 0.5 U	< 10 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U [< 0.5 U	< 0.5 U	NA
1,1-Dichloroethene	N	ug/L	< 0.5 U	NA	NA	< 0.5 U	< 10 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	NA
1,2,3-Trichloropropane	N	ug/L	< 1 U	NA	NA	< 1 U	< 20 U	< 1 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 0.5 U	NA
1,2,3-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	N	ug/L	< 0.5 U	NA	NA	< 0.5 U	< 10 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 0.5 U	NA
1,2,4-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	N	ug/L	< 1 U	NA	NA	< 1 U	< 20 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	< 1 U	< 1 U	< 2 U	< 1 U	NA
1,2-Dibromoethane	N	ug/L	< 1 U	NA	NA	< 1 U	< 20 U	< 1 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 0.5 U	NA
1,2-Dichlorobenzene	N	ug/L	< 0.5 U	NA	NA	< 0.5 U	< 10 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 0.5 U	NA
1,2-Dichloroethane	N	ug/L	< 0.5 U	NA	NA	< 0.5 U	< 10 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA
1,2-Dichloroethene, Total	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	N	ug/L	< 0.5 U	NA	NA	< 0.5 U	< 10 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	NA
1,3,5-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	N	ug/L	< 0.5 U	NA	NA	< 0.5 U	< 10 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 0.5 U	NA
1,3-Dichloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	N	ug/L	< 0.5 U	NA	NA	< 0.5 U	< 10 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA
1,4-Dioxane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	N	ug/L	< 5 U	NA	NA	< 5 U	< 100 UM	< 5 UM	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	NA	< 5 U	< 5 U	< 5 U	< 10 U	< 5 U	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009
		Sample Date	6/26/2001	9/20/2001	12/13/2001	3/21/2002	6/19/2002	9/20/2002	12/18/2002	3/25/2003	6/20/2003	9/26/2003	1/13/2004	3/22/2004	6/28/2004	9/22/2004	9/28/2004	12/16/2004	3/24/2005	6/23/2005	12/14/2005	6/27/2006
		Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**																				
2-Chloroethyl vinyl ether	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	N	ug/L	< 5 U	NA	NA	< 5 U	< 100 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	NA	< 5 U	< 5 U	< 5 U	< 10 U	< 5 U	NA
Acetone	N	ug/L	< 5 U	NA	NA	**6.28**	< 200 UM	< 5 UM	< 10 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	NA	< 10 U	< 5 U	R	< 10 U	< 5 U	NA
Acrylonitrile	N	ug/L	< 5 U	NA	NA	< 5 U	< 100 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	NA	< 5 U	< 5 U	< 4 U	< 2.5 U	< 4 U	NA
Benzene	N	ug/L	< 0.5 U	NA	NA	< 0.5 U	< 10 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.4 U	< 0.5 U	NA
Bromochloromethane	N	ug/L	< 0.5 U	NA	NA	< 0.5 U	< 10 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 0.5 U	NA
Bromodichloromethane	N	ug/L	< 0.5 U	NA	NA	< 0.5 U	< 10 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA
Bromoform	N	ug/L	< 1 U	NA	NA	< 1 U	< 20 U	< 1 UM	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 0.5 U	NA
Bromomethane	N	ug/L	< 0.5 U	NA	NA	< 0.5 U	< 10 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 3 U	< 0.5 U	NA
Carbon Disulfide	N	ug/L	< 5 U	NA	NA	< 5 U	< 100 U	< 5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA
Carbon Tetrachloride	N	ug/L	< 0.5 U	NA	NA	< 0.5 U	< 10 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 0.5 U	NA
CFC-11	N	ug/L	< 0.5 U	NA	NA	< 0.5 U	< 10 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 0.5 U	NA
CFC-12	N	ug/L	< 0.5 U	NA	NA	< 0.5 U	< 10 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 0.5 U	NA
Chlorobenzene	N	ug/L	< 0.5 U	NA	NA	< 0.5 U	< 10 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA
Chlorodibromomethane	N	ug/L	< 0.5 U	NA	NA	< 0.5 U	< 10 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA
Chloroethane	N	ug/L	< 0.5 U	NA	NA	< 0.5 U	< 10 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 0.5 UM	NA
Chloroform	N	ug/L	< 0.5 U	NA	NA	< 0.5 U	< 10 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.3 U	< 0.5 U	NA
Chloromethane	N	ug/L	< 0.5 U	NA	NA	< 0.5 U	< 10 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 0.5 U	NA
cis-1,2-Dichloroethene	N	ug/L	< 0.5 U	NA	NA	< 0.5 U	< 10 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 0.5 U	NA
cis-1,3-Dichloropropene	N	ug/L	< 0.5 U	NA	NA	< 0.5 U	< 10 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA
Cyclohexane	N	ug/L	**7.32**	NA	NA	**3.62**	**18.7**	**9.75**	**1.09**	**1.15**	< 0.5 U	**18**	< 0.5 U	**30.8**	**8.96**	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA
Dibromomethane	N	ug/L	< 1 U	NA	NA	< 1 U	< 20 U	< 1 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 0.5 U	NA
Dichloromethane	N	ug/L	< 1 U	NA	NA	< 1 U	< 20 U	< 1 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 0.5 U	NA
Ethylbenzene	N	ug/L	**45.8**	NA	NA	**72.35 J**	**576**	**95.9**	**11.4**	**19.3**	**0.99**	**428**	**0.28 F**	**567**	**175**	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 0.5 U	NA
Isopropylbenzene	N	ug/L	**1.08**	NA	NA	**3.26**	**21.8**	**6.09**	**0.82**	**0.88**	**0.07 F**	**16.1**	< 0.5 U	**27.7**	**9.96**	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 0.5 U	NA
m&p-Xylenes	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	N	ug/L	< 5 U	NA	NA	< 5 U	< 100 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	NA	< 5 U	< 5 U	< 5 U	< 0.5 U	< 5 U	NA
Methyl N-Butyl Ketone (2-Hexanone)	N	ug/L	< 5 U	NA	NA	< 5 U	< 100 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	NA	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	NA
Methylcyclohexane	N	ug/L	**2.01**	NA	NA	**1.38**	**7.84 F**	**4.44**	**0.28 F**	**0.41 F**	< 0.5 U	**9.05**	< 0.5 U	**17.1**	**4.5**	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA
Methyl-tert-butylether	N	ug/L	< 0.5 U	NA	NA	< 0.5 U	< 10 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 5 U	< 0.5 U	NA
n-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenolics	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	N	ug/L	< 1 U	NA	NA	< 1 U	< 20 U	< 1 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 0.5 U	NA
tert-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	N	ug/L	< 1 U	NA	NA	< 1 U	< 20 U	< 1 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 0.5 U	NA
Toluene	N	ug/L	**12.5**	NA	NA	**2.99**	**328**	**76.8 J**	**5.82**	**3.38**	**0.17 F**	**111**	< 0.5 U	**7.7**	**0.81**	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 0.5 U	NA
Total Xylenes	N	ug/L	**18.3**	NA	NA	**39.02**	**1091**	**107**	**15**	**13.1**	**0.22 F**	**513**	**0.26 F**	**307**	**70.3**	NA	< 1.5 U	< 1.5 U	< 1.5 U	< 2 U	< 1.5 U	NA
trans-1,2-Dichloroethene	N	ug/L	< 0.5 U	NA	NA	< 0.5 U	< 10 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U [< 0.5 U]	< 0.5 U	NA
trans-1,3-Dichloropropene	N	ug/L	< 0.5 U	NA	NA	< 0.5 U	< 10 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 0.5 U	NA
trans-1,4-Dichloro-2-butene	N	ug/L	< 5 U	NA	NA	< 5 U	< 100 U	< 5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 2 U	< 5 U	< 2 U	NA
Trichloroethene	N	ug/L	< 0.5 U	NA	NA	< 0.5 U	< 10 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 0.5 U	NA
Vinyl acetate	N	ug/L	< 5 U	NA	NA	R	< 100 U	< 5 U	< 5 U	< 5 U	R	< 5 U	< 5 U	< 5 U	< 5 U	NA	< 5 U	< 5 U	R	< 2 U	< 2 U	NA
Vinyl chloride	N	ug/L	< 0.5 U	NA	NA	< 0.5 U	< 10 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 0.5 U	NA
Leachate Indicators																						
Ammonia Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromide	N	mg/L	NA	NA	NA	NA	RU	NA	NA	NA	NA	< 0 U	NA	NA	NA	NA	NA	NA	< 0 U	NA	< 0 UM	NA
Chloride	N	mg/L	NA	NA	NA	NA	**175 M**	NA	NA	NA	NA	**248 J**	NA	NA	NA	NA	NA	NA	**242 M**	NA	**300 M**	NA
Fluoride (F-, Anion)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	N	mg/L	NA	NA	NA	NA	**21.6**	NA	NA	NA	NA	**22.3**	NA	NA	NA	NA	NA	NA	**31.64**	NA	**36**	NA
Total Kjeldahl Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorus as PO4	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity	N	mg/L	NA	NA	NA	NA	**191 S**	NA	NA	NA	NA	**206 B**	NA	NA	NA	NA	NA	NA	**178**	NA	**180**	NA
Alkalinity (as CaCO3)	N	mg/L	NA	NA	NA	NA	**213 B**	NA	NA	NA	NA	**495 B**	NA	NA	NA	NA	NA	NA	**200**	NA	**170 B**	NA
Alkalinity, Bicarbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Carbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Hydroxide	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Biological Oxygen Demand	N	mg/L	NA	NA	NA	NA	**5.97**	NA	NA	NA	NA	**17.76 B**	NA	NA	NA	NA	NA	NA	**7.3**	NA	< 0 U	NA
Carbon	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**4.07 J**	NA
CBOD	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chemical Oxygen Demand	N	mg/L	NA	NA	NA	NA	**20 B**	NA	NA	NA	NA	**33.6 M**	NA	NA	NA	NA	NA	NA	< 0 U	NA	**40**	NA
Color	N	COLOR UNIT	NA	NA	NA	NA	45 B	NA	NA	NA	NA	< 0 U	NA	NA	NA	NA	NA	NA	< 0 U	NA	10	NA
Color	N	PCU	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	N	ug/L	NA	NA	NA	NA	< 0 U	NA	NA	NA	NA	< 0 U	NA	NA	NA	NA	NA	NA	< 0 U	NA	< 1 U	NA
Hardness (as CaCO3)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	N	PH UNITS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids	N	mg/L	NA	NA	NA	NA	**653 SB**	NA	NA	NA	NA	**681 S**	NA	NA	NA	NA	NA	NA	**698**	NA	**720**	NA
Total Dissolved Solids	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	NA	NA	NA	NA	**1.91 S**	NA	NA	NA	NA	**4.24 J**	NA	NA	NA	NA	NA	NA	**2.4 J**	NA	NA	NA
Total Organic Carbon 2	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-010	MW-23-010
		Sample Date	1/3/2007	7/11/2007	12/5/2007	6/23/2009	12/8/2009	6/22/2010	12/7/2010	12/7/2010	6/21/2011	12/7/2011	6/21/2012	6/19/2013	6/24/2014	6/24/2014	7/7/2015	8/24/2017	8/24/2017	7/30/2018	8/9/1988	1/11/1989
		Sample Type	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	FD	N	N	N
Chemical	**Fraction**	**Unit**																				
Metals																						
Aluminum	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**117**
Aluminum	T	ug/L	**74.4 M**	NA	**138 F**	NA	< 200 UJ	NA	< 100 U	**55.1 F**	**94 F**	< 100 U	NA	< 200 U	NA	NA	NA	NA	NA	< 70	NA	NA
Antimony	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 43
Antimony	T	ug/L	< 50 U	NA	< 50 U	NA	< 2 U	NA	< 1 U	< 1 U	**0.532 F**	< 1 U	NA	**0.899 F**	NA	NA	NA	NA	NA	< 1.0	NA	NA
Arsenic	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.6
Arsenic	T	ug/L	< 30 U	NA	< 30 U	NA	**0.81 F**	NA	< 1 UM	< 1 UM	**0.617 J**	**0.784 F**	NA	**1.46 J**	NA	NA	NA	NA	NA	< 1.0	NA	NA
Barium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**8.1**
Barium	T	ug/L	**15.9 F**	NA	**13.4 F**	NA	**14**	NA	**8.54 F**	**8.84 F**	**8.41 F**	**11.7**	NA	**7.21 F**	NA	NA	NA	NA	NA	**9.9**	NA	NA
Beryllium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.1
Beryllium	T	ug/L	< 4 U	NA	< 4 U	NA	< 1 U	NA	< 2 U	< 2 U	< 2 U	**0.67 F**	NA	< 2 U	NA	NA	NA	NA	NA	< 0.30	NA	NA
Boron	T	ug/L	**9.17 F**	NA	**13 F**	NA	**9.9 F**	NA	< 100 U	< 100 U	< 100 U	< 100 U	NA	< 100 U	NA	NA	NA	NA	NA	< 15	NA	NA
Cadmium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4.3
Cadmium	T	ug/L	< 5 U	< 5 U	< 5 U	< 1 U	< 1 U	< 0.6 U	< 0.6 U	< 0.6 U	< 0.6 U	**0.783**	< 0.6 U	**0.383 F**	< 0.6 U	NA	< 0.6 U	**0.98**	**1.8**	< 1.0	NA	NA
Calcium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**46200**
Calcium	T	ug/L	**63000**	**53900 M**	**53300**	**56000**	**57000 M**	**67800 M**	**65300 M**	**66600 M**	**48400 B**	**61600**	**73600 M**	**22800 M**	**58100 M**	NA	**57500 M**	**61000**	**110000**	**54000**	NA	NA
Chromium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5
Chromium	T	ug/L	**206**	NA	**171**	NA	**570**	NA	**52.4 M**	**50.5 M**	**242 M**	NA	NA	**302 M**	NA	**432 M**	**25.5**	**9600**	**100000**	**13**	NA	NA
Chromium VI	D	mg/L	NA	NA	NA	NA	NA	NA	< 0.005 U	< 0.005 U	NA	**0.0903**	NA	**0.0639**	NA	NA	NA	NA	NA	NA	NA	NA
Chromium VI	T	mg/L	**0.015**	NA	< 0.01 U	NA	**0.0031 F**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.010	NA	NA
Cobalt	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**15**
Cobalt	T	ug/L	< 60 U	NA	**9.4 F**	NA	**11**	NA	**0.929 M**	**0.847 M**	**1.06**	**1.12**	NA	**6.13 J**	NA	NA	NA	NA	NA	**0.31**	NA	NA
Copper	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 3.1
Copper	T	ug/L	< 10 U	NA	< 10 U	NA	**5.5**	NA	< 5 U	< 5 U	**2.75 J**	< 5 U	NA	**4.38 F**	NA	NA	NA	NA	NA	< 1.8	NA	NA
Iron	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**603**
Iron	T	ug/L	**2820 J**	**2880 M**	**2040**	**3600 M**	**3800**	**4030 M**	**595 M**	**621 M**	**2790 M**	**1750**	**11600 M**	**3970 M**	**2400**	NA	**320**	**140000**	**780000**	**160**	NA	NA
Lead	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.91
Lead	T	ug/L	< 25 U	< 25 U	< 25 U	< 2 U	< 2 U	**0.839 F**	< 1 U	< 1 U	**0.601 F**	< 1 U	**0.806 F**	**0.755 F**	< 1 U	NA	< 1 U	**0.93**	**3.4**	< 0.70	NA	NA
Magnesium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**16100**
Magnesium	T	ug/L	**24600**	**21100**	**20300**	**21000**	**24000**	**24200 M**	**22100**	**22600**	**27200 B**	**28700**	**32800 M**	**27300**	**18400 M**	NA	**18800**	**20000**	**21000**	**17000**	NA	NA
Manganese	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**169**
Manganese	T	ug/L	**222 J**	**189 M**	**264**	**85 M**	**240**	**101 M**	**16.7 M**	**20.3 M**	**55.5 B**	**46**	**787 M**	**181 J**	**86.7**	NA	**17.5**	**1300**	**15000**	**4.6**	NA	NA
Mercury	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.2
Mercury	T	ug/L	< 1 U	NA	< 1 U	NA	**0.075 F**	NA	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	NA	< 0.2 U	NA	NA	NA	NA	NA	< 0.080	NA	NA
Nickel	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 24
Nickel	T	ug/L	**32.6**	NA	**53.2**	NA	**47**	NA	**12 M**	**13.7 M**	**74.4 M**	**14.8**	NA	**73.9 M**	NA	NA	NA	NA	NA	**11**	NA	NA
Potassium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**12900**
Potassium	T	ug/L	**2840 J**	**5820 J**	**1650**	**2000**	**1500**	**4580 M**	**1490**	**1580**	**12800 B**	**12600**	**10600**	**27400**	**2710 M**	NA	**1450**	**4000**	**1800**	**1700**	NA	NA
Selenium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**10**
Selenium	T	ug/L	< 30 U	NA	< 30 U	NA	< 5 U	NA	**0.638 F**	< 1 U	**1.1 B**	NA	NA	**0.537 F**	NA	NA	NA	NA	NA	< 2.0	NA	NA
Silver	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4.3
Silver	T	ug/L	< 10 U	NA	< 10 U	NA	**0.28 M**	NA	< 1 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA	NA	NA	NA	NA	< 0.10	NA	NA
Sodium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**39000**
Sodium	T	ug/L	**225000 J**	**170000 M**	**168000**	**120000 M**	**110000**	**147000 M**	**132000 M**	**134000 M**	**127000 J**	**128000**	**137000 M**	**134000**	**168000**	NA	**158000**	**170000**	**170000**	**190000**	NA	NA
Thallium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2
Thallium	T	ug/L	< 80 U	NA	< 80 U	NA	< 1 U	NA	< 0.2 UM	< 0.2 UM	< 0.2 U	< 0.2 U	NA	< 0.2 U	NA	NA	NA	NA	NA	< 0.20	NA	NA
Vanadium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**13**
Vanadium	T	ug/L	**3.15 F**	NA	**2.8 F**	NA	< 5 U	NA	**0.6 M**	**0.603 M**	NA	NA	NA	< 20 UM	NA	NA	NA	NA	NA	< 2.0	NA	NA
Zinc	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**22**
Zinc	T	ug/L	**6.21 F**	NA	**37.9 J**	NA	**7.6 M**	NA	< 20 U	< 20 U	**6.58 F**	**12.4 F**	NA	**20**	NA	NA	NA	NA	NA	< 8.0	NA	NA
Total Recoverable Phenolics	N	mg/L	< 0.005 U	NA	< 0.005 U	NA	**0.0044 M**	NA	**0.0043 F**	**0.0035 F**	NA	< 0.005 U	NA	< 0.005 U	NA	NA	NA	NA	NA	NA	NA	NA
VOCs																						
1,1,1-Trichloroethane	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.40	NA	< 0.40	NA	< 5 [< 0.3]
1,1,2,2-Tetrachloroethane	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.80	NA	< 0.80	NA	< 5 [< 0.3]
1,1,2-trichloro-1,2,2-trifluoroethane	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	NA	NA	NA	< 1.6	NA	< 1.6	NA	< 1
1,1,2-Trichloroethane	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.80	NA	< 0.80	NA	< 5 [< 0.2]
1,1-Dichloroethane	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.80	NA	< 0.80	NA	< 5 [< 0.4]
1,1-Dichloroethene	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.80	NA	< 0.80	NA	< 5 [< 0.3]
1,2,3-Trichloropropane	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.80	NA	< 0.80	NA	NA
1,2,3-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.80	NA	< 0.80	NA	NA
1,2,4-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.40	NA	< 0.40	NA	NA
1,2-Dibromo-3-chloropropane	N	ug/L	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 J	< 2 U	< 2 U	< 2 U	NA	NA	NA	< 1.6	NA	< 1.6	NA	NA
1,2-Dibromoethane	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.40	NA	< 0.40	NA	NA
1,2-Dichlorobenzene	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.40	NA	< 0.40	NA	< 1
1,2-Dichloroethane	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.40	NA	< 0.40	NA	< 5 [< 0.3]
1,2-Dichloroethene, Total	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5	< 5 [< 0.5]
1,2-Dichloropropane	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.40	NA	< 0.40	< 5	< 5 [< 0.2]
1,3,5-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.40	NA	< 0.40	NA	NA
1,3-Dichlorobenzene	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.40	NA	< 0.40	NA	< 1
1,3-Dichloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.40	NA	< 0.40	NA	< 1
1,4-Dioxane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 160	NA	< 160	NA	NA
2-Butanone (MEK)	N	ug/L	< 5 U	< 5 U	< 5 U	< 10 U	< 10 U	< 5 U	< 5 U	< 5 U	< 5 UM	< 5 U	< 5 U	< 5 U	NA	NA	NA	< 4.0	NA	< 4.0	< 10	**50**

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-010	MW-23-010
		Sample Date	1/3/2007	7/11/2007	12/5/2007	6/23/2009	12/8/2009	6/22/2010	12/7/2010	12/7/2010	6/21/2011	12/7/2011	6/21/2012	6/19/2013	6/24/2014	6/24/2014	7/7/2015	8/24/2017	8/24/2017	7/30/2018	8/9/1988	1/11/1989
		Sample Type	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	FD	N	N	N
Chemical	**Fraction**	**Unit**																				
2-Chloroethyl vinyl ether	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.4
4-Methyl-2-Pentanone	N	ug/L	< 5 U	< 5 U	< 5 U	< 10 U	< 10 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	NA	NA	NA	< 3.2	NA	< 3.2	< 10	< 10
Acetone	N	ug/L	< 5 U	< 5 U	< 5 U	< 20 U	< 20 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	NA	NA	NA	**3.1**	NA	< 6.4	< 10	< 10
Acrylonitrile	N	ug/L	< 4 U	< 4 U	< 4 U	< 1 U	< 1 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	NA	NA	NA	< 4.0	NA	< 4.0	NA	NA
Benzene	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.40	NA	< 0.40	< 5	< 5
Bromochloromethane	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.40	NA	< 0.40	< 5	< 5 [< 0.4]
Bromoform	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.40	NA	< 0.40	NA	< 5 [< 0.5]
Bromomethane	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 M	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.80	NA	< 0.80	NA	< 10 [< 0.5]
Carbon Disulfide	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 5 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 1.6	NA	< 1.6	NA	< 5
Carbon Tetrachloride	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.40	NA	< 0.40	NA	< 5 [< 0.3]
CFC-11	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.80	NA	< 0.80	NA	NA
CFC-12	N	ug/L	< 0.5 U	R	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.80	NA	< 0.80	NA	NA
Chlorobenzene	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.40	NA	< 0.40	< 5	< 5 [< 0.4]
Chlorodibromomethane	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.40	NA	< 0.40	NA	< 5 [< 0.4]
Chloroethane	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 1.6	NA	< 1.6	NA	< 10 [< 0.5]
Chloroform	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.40	NA	< 0.40	**11**	**16 [10]**
Chloromethane	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.80	NA	< 0.80	NA	< 10 [< 0.5]
cis-1,2-Dichloroethene	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.40	NA	< 0.40	NA	NA
cis-1,3-Dichloropropene	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.40	NA	< 0.40	NA	< 5 [< 0.3]
Cyclohexane	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	NA	NA	NA	< 0.80	NA	< 0.80	NA	NA
Dibromomethane	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.40	NA	< 0.40	NA	NA
Dichloromethane	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 5 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.80	NA	< 0.80	**6**	< 5 [< 1]
Ethylbenzene	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.40	NA	< 0.40	< 5	< 5
Isopropylbenzene	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.40	NA	< 0.40	NA	NA
m&p-Xylenes	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.80	NA	NA	NA	NA
Methyl Acetate	N	ug/L	R	R	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	NA	NA	NA	< 4.0	NA	< 4.0	NA	NA
Methyl N-Butyl Ketone (2-Hexanone)	N	ug/L	< 5 U	< 5 U	< 5 U	< 5 U	< 5 UJ	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	NA	NA	NA	< 4.0	NA	< 4.0	< 10	< 10
Methylcyclohexane	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	NA	NA	NA	< 0.80	NA	< 0.80	NA	NA
Methyl-tert-butylether	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.80	NA	< 0.80	NA	NA
n-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.80	NA	< 0.80	NA	NA
n-Propylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.40	NA	< 0.40	NA	NA
o-Xylene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.40	NA	NA	NA	NA
Phenolics	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.010	NA	NA
sec-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.40	NA	< 0.40	NA	NA
Styrene (Monomer)	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.40	NA	< 0.40	NA	< 5
tert-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.40	NA	< 0.40	NA	NA
Tetrachloroethene	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.40	NA	< 0.40	< 5	< 5 [< 0.2]
Toluene	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.40	NA	< 0.40	< 5	< 5
Total Xylenes	N	ug/L	< 1.5 U	< 1.5 U	< 1.5 U	< 3 U	< 3 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	NA	NA	< 0.80	< 5	< 5
trans-1,2-Dichloroethene	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.40	NA	< 0.40	NA	NA
trans-1,3-Dichloropropene	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.40	NA	< 0.40	NA	< 5 [< 0.3]
trans-1,4-Dichloro-2-butene	N	ug/L	< 2 U	< 2 U	< 2 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	NA	NA	NA	< 1.6	NA	< 1.6	NA	NA
Trichloroethene	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.40	NA	< 0.40	< 5	< 5 [< 0.5]
Vinyl acetate	N	ug/L	R	< 2 U	< 2 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 J	< 5 U	< 5 U	< 5 U	NA	NA	NA	< 2.0	NA	< 2.0	NA	< 10
Vinyl chloride	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.20	NA	< 0.20	< 10	< 10 [< 0.3]
Leachate Indicators																						
Ammonia Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.050	NA	NA
Bromide	N	mg/L	< 0 UM	NA	< 0 U	NA	< 0 U	NA	< 0 U	< 0 U	NA	< 0 U	NA	< 0.4 U	NA	NA	NA	NA	NA	< 0.20	NA	NA
Chloride	N	mg/L	**350 M**	NA	**250**	NA	**210**	NA	**216 M**	**215 M**	NA	NA	NA	**228 J**	NA	NA	NA	NA	NA	**270**	NA	NA
Fluoride (F-, Anion)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.57**	NA	NA
Sulfate	N	mg/L	**38 M**	NA	**27**	NA	**28 M**	NA	**26.9**	**27**	NA	**24.5**	NA	**27.7**	NA	NA	NA	NA	NA	**26**	NA	NA
Total Kjeldahl Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.18**	NA	NA
Total Phosphorus as PO4	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity	N	mg/L	**190**	NA	**190**	NA	NA	NA	**206 M**	**199 M**	NA	**195**	NA	**161**	NA	NA	NA	NA	NA	**180**	NA	NA
Alkalinity (as CaCO3)	N	mg/L	**270**	NA	**220**	NA	**243**	NA	**238 M**	**240 M**	NA	**266**	NA	**200**	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Bicarbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**180**	NA	NA
Alkalinity, Carbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 3.2	NA	NA
Alkalinity, Hydroxide	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 3.2	NA	NA
Biological Oxygen Demand	N	mg/L	< 0 U	NA	< 0 U	NA	**1.5**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.59	NA	NA
Carbon	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CBOD	N	mg/L	NA	NA	NA	NA	NA	NA	< 0 UM	**1.68 M**	NA	**1.98 F**	NA	< 0 U	NA	NA	NA	NA	NA	NA	NA	NA
Chemical Oxygen Demand	N	mg/L	**26 J**	NA	**4.1 J**	NA	**3 J**	NA	**20.4 M**	**14.8 M**	NA	**10.1 F**	NA	**10.3 M**	NA	NA	NA	NA	NA	< 10	NA	NA
Color	N	COLOR UNIT	15	NA	10	NA	150	NA	5	5	NA	< 0 U	NA	5	NA	NA	NA	NA	NA	NA	NA	NA
Color	N	PCU	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.0	NA	NA
Cyanide	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	N	ug/L	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	< 1 U	NA	**10.9**	NA	< 1 U	NA	NA	NA	NA	NA	**2.3**	NA	NA
Hardness (as CaCO3)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**190**	NA	NA
pH	N	PH UNITS	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.06	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.1 [4.2 [4.3]
Total Dissolved Solids	N	mg/L	**870**	NA	**660**	NA	NA	NA	**696**	**584**	NA	**610**	NA	**574**	NA	NA	NA	NA	NA	**630**	NA	NA
Total Dissolved Solids	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	**3.7 J**	NA	**1.6**	NA	**4.3 M**	NA	**4.77 M**	**7.08 M**	NA	**2.56**	NA	**1.91 B**	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon 2	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.50	NA	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010
		Sample Date	9/13/1991	4/24/2001	6/26/2001	9/27/2001	12/13/2001	3/20/2002	6/19/2002	9/20/2002	12/18/2002	12/18/2002	3/25/2003	6/20/2003	9/26/2003	1/13/2004	1/13/2004	3/22/2004	3/22/2004	6/28/2004	6/28/2004	9/22/2004
		Sample Type	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	FD	N	FD	N	FD	N
Chemical	**Fraction**	**Unit**																				
Metals																						
Aluminum	D	ug/L	< 13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	**400**	**109 J**	NA	NA	NA	NA	< 200 U	< 200 U	< 200 U	< 200 U	NA	NA	< 200 U	NA	NA	NA	NA	NA	NA	NA
Antimony	D	ug/L	< 17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	< 17	< 4.1 U	NA	NA	NA	NA	**6.9 F**	**2.6 F**	< 50 U	< 50 U	NA	NA	< 50 U	NA	NA	NA	NA	NA	NA	NA
Arsenic	D	ug/L	< 2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	ug/L	< 2	< 4.4 U	NA	NA	NA	NA	< 30 U	< 30 U	< 30 U	< 30 U	NA	NA	< 30 U	NA	NA	NA	NA	NA	NA	NA
Barium	D	ug/L	**9.2**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	ug/L	**8.3**	**23.6**	NA	NA	NA	NA	**21.7**	**29.1 J**	**21.2 F**	**20.3 F**	NA	NA	**11.3 F**	NA	NA	NA	NA	NA	NA	NA
Beryllium	D	ug/L	< 2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	< 2	< 0.1 U	NA	NA	NA	NA	< 5 U	< 5 U	< 4 U	< 4 U	NA	NA	< 4 U	NA	NA	NA	NA	NA	NA	NA
Boron	T	ug/L	NA	< 32.4 U	NA	NA	NA	NA	< 110 U	< 110 U	< 110 U	< 110 U	NA	NA	**20 F**	NA	NA	NA	NA	NA	NA	NA
Cadmium	D	ug/L	< 5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	ug/L	< 5	< 0.4 U	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	**0.27 F**	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Calcium	D	ug/L	**54100**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	**58500**	**95800**	**84463 M**	**92380 M**	**90122 J**	**79947 MJ**	**66504 MJ**	**83863 M**	**72084**	**70704**	**67865 M**	**80941 M**	**39696**	**47658**	**46547**	**63168**	**58045**	**56635 M**	**57512 M**	**51556 M**
Chromium	D	ug/L	< 4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	ug/L	**722**	**8.6 B**	NA	NA	NA	NA	**4.5 F**	**211 J**	**5.7 F**	**4.6 F**	NA	NA	**1256**	NA	NA	NA	NA	NA	NA	NA
Chromium VI	D	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium VI	T	mg/L	NA	< 0.01 U	NA	NA	NA	NA	< 0.01 U	NA	NA	NA	NA	NA	< 0.01 U	NA	NA	NA	NA	NA	NA	NA
Cobalt	D	ug/L	< 5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	< 5	< 0.6 U	NA	NA	NA	NA	< 6 U	**1.67 F**	< 60 U	< 60 U	NA	NA	**3.2 F**	NA	NA	NA	NA	NA	NA	NA
Copper	D	ug/L	< 5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	< 5	< 3 U	NA	NA	NA	NA	< 10 U	< 10 U	< 10 U	< 10 U	NA	NA	< 10 U	NA	NA	NA	NA	NA	NA	NA
Iron	D	ug/L	**150**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	**6020**	**433**	**310**	**550**	**747 J**	**429**	**197 MF**	**1167 J**	**195 F**	**173 F**	**204 J**	**376**	**7916**	**1767**	**1727**	**648 J**	**900 J**	**348 J**	**435 J**	**211**
Lead	D	ug/L	**2**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	ug/L	**2**	< 2.1 U	< 25 U	< 25 U	< 25 U	**3.2 F**	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	**3.4 F**	< 25 U	< 25 U	< 25 U	< 25 U	**7.1 F**	< 25 U	< 25 U	< 25 U
Magnesium	D	ug/L	**18000**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	**24300**	**31700**	**30214**	**33002**	**31547**	**32185**	**25454 MJ**	**30567**	**29308**	**28666**	**29147 M**	**28891 M**	**28148**	**27125**	**26896**	**26082 M**	**25989 M**	**27219**	**27712**	**25255**
Manganese	D	ug/L	**197**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	**77.5**	**318**	**254**	**326**	**416 B**	**295**	**232**	**351**	**247**	**245**	**140**	**305**	**353**	**206**	**198**	**248**	**229**	**62.8**	**69.5**	**154**
Mercury	D	ug/L	< 0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	< 0.2	< 0.1 U	NA	NA	NA	NA	< 1 UM	NA	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	NA	NA	NA
Nickel	D	ug/L	< 8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	**68.3**	**4.7 B**	NA	NA	NA	NA	< 10 U	**126 J**	**1.1 F**	< 20 U	NA	NA	**899**	NA	NA	NA	NA	NA	NA	NA
Potassium	D	ug/L	**1980**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	**1570**	**2870 J**	**3374 J**	**7214 J**	**6174**	**13830**	**6062**	**1715**	**10222**	**9631**	**15080**	**1273**	**24458**	**24932**	**25793**	**11759 J**	**16757 J**	**12465**	**13518**	**11126**
Selenium	D	ug/L	**3**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	< 2	< 9.9 U	NA	NA	NA	NA	< 30 U	< 30 U	< 30 U	< 30 U	NA	NA	**20.8 F**	NA	NA	NA	NA	NA	NA	NA
Silver	D	ug/L	**3**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	**2.8**	< 0.9 U	NA	NA	NA	NA	< 10 U	< 10 U	< 10 U	< 10 U	NA	NA	< 10 U	NA	NA	NA	NA	NA	NA	NA
Sodium	D	ug/L	**33500**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	**76700**	**101000**	**100980**	**109317**	**103670**	**109676 M**	**97366 MJ**	**122619 M**	**113709**	**111787**	**119013 M**	**119808 M**	**123574**	**127034**	**127678**	**119338 M**	**120720 M**	**119470**	**120430**	**123208 M**
Thallium	D	ug/L	**1**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	**1**	< 4.3 U	NA	NA	NA	NA	**6.7 F**	**6.2 F**	< 80 U	**8.4 F**	NA	NA	< 80 U	NA	NA	NA	NA	NA	NA	NA
Vanadium	D	ug/L	< 3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	**4.1**	< 1 U	NA	NA	NA	NA	< 10 U	< 10 U	< 10 U	< 10 U	NA	NA	**6.8 F**	NA	NA	NA	NA	NA	NA	NA
Zinc	D	ug/L	< 2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	< 2	**6.6 B**	NA	NA	NA	NA	**9.5 F**	**4.2 F**	**11.7 F**	**5.1 F**	NA	NA	**7.8 F**	NA	NA	NA	NA	NA	NA	NA
Total Recoverable Phenolics	N	mg/L	NA	< 0.005 UJ	NA	NA	NA	NA	< 0.005 UM	NA	NA	NA	NA	NA	**0.005 J**	NA	NA	NA	NA	NA	NA	NA
VOCs																						
1,1,1-Trichloroethane	N	ug/L	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	N	ug/L	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA
1,1,2-trichloro-1,2,2-trifluoroethane	N	ug/L	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	N	ug/L	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	N	ug/L	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	N	ug/L	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	N	ug/L	NA	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	N	ug/L	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	N	ug/L	NA	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane	N	ug/L	NA	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	N	ug/L	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	N	ug/L	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethene, Total	N	ug/L	< 1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	N	ug/L	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	N	ug/L	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA
1,3-Dichloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	N	ug/L	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA
1,4-Dioxane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	N	ug/L	< 2	NA	NA	NA	NA	NA	< 5 UM	NA	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	NA	NA	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010
		Sample Date	9/13/1991	4/24/2001	6/26/2001	9/27/2001	12/13/2001	3/20/2002	6/19/2002	9/20/2002	12/18/2002	12/18/2002	3/25/2003	6/20/2003	9/26/2003	1/13/2004	1/13/2004	3/22/2004	3/22/2004	6/28/2004	6/28/2004	9/22/2004
		Sample Type	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	FD	N	FD	N	FD	N
Chemical	**Fraction**	**Unit**																				
2-Chloroethyl vinyl ether	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	N	ug/L	< 2	< 2 U	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	NA	NA	NA
Acetone	N	ug/L	< 2	NA	NA	NA	NA	NA	< 10 UM	NA	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	NA	NA	NA
Acrylonitrile	N	ug/L	NA	NA	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	NA	NA	NA
Benzene	N	ug/L	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA
Bromochloromethane	N	ug/L	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	N	ug/L	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA
Bromoform	N	ug/L	< 1	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA
Bromomethane	N	ug/L	< 2	< 2 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA
Carbon Disulfide	N	ug/L	< 1	< 1 U	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	N	ug/L	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA
CFC-11	N	ug/L	NA	**0.63 J**	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA
CFC-12	N	ug/L	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	N	ug/L	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA
Chlorodibromomethane	N	ug/L	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA
Chloroethane	N	ug/L	< 2	< 2 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA
Chloroform	N	ug/L	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA
Chloromethane	N	ug/L	< 2	< 2 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	N	ug/L	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	N	ug/L	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA
Cyclohexane	N	ug/L	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA
Dibromomethane	N	ug/L	NA	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA
Dichloromethane	N	ug/L	< 1	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	N	ug/L	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA
m&p-Xylenes	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	N	ug/L	NA	NA	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	NA	NA	NA
Methyl N-Butyl Ketone (2-Hexanone)	N	ug/L	< 2	< 2 U	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	NA	NA	NA
Methylcyclohexane	N	ug/L	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA
Methyl-tert-butylether	N	ug/L	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA
n-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenolics	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	N	ug/L	< 1	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA
tert-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	N	ug/L	< 1	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA
Toluene	N	ug/L	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA
Total Xylenes	N	ug/L	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 1.5 U	NA	NA	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene	N	ug/L	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	N	ug/L	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA
trans-1,4-Dichloro-2-butene	N	ug/L	NA	< 1 U	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	N	ug/L	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA
Vinyl acetate	N	ug/L	< 2	< 4 U	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	N	ug/L	< 2	< 2 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA
Leachate Indicators																						
Ammonia Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromide	N	mg/L	NA	< 0 U	NA	NA	NA	NA	RU	NA	NA	NA	NA	NA	**0.06 F**	NA	NA	NA	NA	NA	NA	NA
Chloride	N	mg/L	NA	**271**	NA	NA	NA	NA	**237 M**	NA	NA	NA	NA	NA	**245 J**	NA	NA	NA	NA	NA	NA	NA
Fluoride (F-, Anion)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	N	mg/L	NA	**34**	NA	NA	NA	NA	**35**	NA	NA	NA	NA	NA	**40.4**	NA	NA	NA	NA	NA	NA	NA
Total Kjeldahl Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorus as PO4	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity	N	mg/L	NA	**140**	NA	NA	NA	NA	**157 S**	NA	NA	NA	NA	NA	**129 B**	NA	NA	NA	NA	NA	NA	NA
Alkalinity (as CaCO3)	N	mg/L	NA	**345**	NA	NA	NA	NA	**302 B**	NA	NA	NA	NA	NA	**410 B**	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Bicarbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Carbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Hydroxide	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Biological Oxygen Demand	N	mg/L	NA	**4**	NA	NA	NA	NA	**3.81**	NA	NA	NA	NA	NA	**15 B**	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CBOD	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chemical Oxygen Demand	N	mg/L	NA	< 0 U	NA	NA	NA	NA	**40 B**	NA	NA	NA	NA	NA	**48.6 M**	NA	NA	NA	NA	NA	NA	NA
Color	N	COLOR UNIT	NA	< 0 U	NA	NA	NA	NA	5 B	NA	NA	NA	NA	NA	< 0 U	NA	NA	NA	NA	NA	NA	NA
Color	N	PCU	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	D	ug/L	< 10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	N	ug/L	< 10	< 0 U	NA	NA	NA	NA	< 0 U	NA	NA	NA	NA	NA	< 0 U	NA	NA	NA	NA	NA	NA	NA
Hardness (as CaCO3)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	N	PH UNITS	[.31 [7.32 [7.37	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids	N	mg/L	NA	**650**	NA	NA	NA	NA	**720 SB**	NA	NA	NA	NA	NA	**607 S**	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	NA	**3.8 J**	NA	NA	NA	NA	**5 S**	NA	NA	NA	NA	NA	**2.78 J**	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon 2	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010
		Sample Date	9/22/2004	12/16/2004	12/16/2004	3/24/2005	6/23/2005	12/14/2005	6/27/2006	1/3/2007	7/11/2007	12/5/2007	6/24/2009	12/8/2009	6/22/2010	6/22/2010	12/7/2010	6/21/2011	12/7/2011	6/20/2012	6/19/2013	6/24/2014
		Sample Type	FD	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**																				
Metals																						
Aluminum	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	NA	NA	NA	**30 F**	NA	**42.8 F**	NA	**70.3 M**	NA	**134 F**	NA	**25 J**	NA	NA	**101**	< 100 U	< 100 U	NA	< 200 U	NA
Antimony	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	NA	NA	NA	< 50 U	NA	< 50 U	NA	**3.24 F**	NA	< 50 U	NA	**1.2 F**	NA	NA	< 1 U	< 1 U	< 1 U	NA	**0.581 F**	NA
Arsenic	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	ug/L	NA	NA	NA	< 30 U	NA	< 30 U	NA	< 30 U	NA	< 30 U	NA	< 5 U	NA	NA	< 1 UM	< 1 UJ	< 1 U	NA	< 1 UJ	NA
Barium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	ug/L	NA	NA	NA	**24 F**	NA	**14 F**	NA	**21.3 F**	NA	**20.7 F**	NA	**15**	NA	NA	**11.2**	**8.15 F**	**9.21 F**	NA	< 10 U	NA
Beryllium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	NA	NA	NA	< 4 U	NA	< 4 U	NA	< 4 U	NA	< 4 U	NA	< 1 U	NA	NA	< 2 U	< 2 U	**0.62 F**	NA	< 2 U	NA
Boron	T	ug/L	NA	NA	NA	< 50 U	NA	NA	NA	< 50 U	NA	**6.32 F**	NA	**5.8 F**	NA	NA	< 100 U	< 100 U	< 100 U	NA	< 100 U	NA
Cadmium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	ug/L	< 5 U	**0.49 F**	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	**0.16 F**	**0.29 F**	NA	**0.414 F**	< 0.6 U	< 0.6 U	< 0.6 U	**0.334 F**	< 0.6 U	**0.437 F**
Calcium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	**49298 M**	**62116 M**	**63916 M**	**78510 M**	**60000 M**	**30100**	**72700**	**62400**	**56900 M**	**61900**	**41000**	**43000 M**	**40800 M**	NA	**41400 M**	**19000 B**	**13300**	**8730 M**	**5810 M**	**79400 M**
Chromium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	ug/L	NA	NA	NA	**13 J**	NA	**32.7 J**	NA	**20**	NA	**10.4**	NA	**22**	NA	NA	**22.2 M**	**24.5 M**	NA	NA	**51.9 M**	**65.2 M**
Chromium VI	D	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.005 U	NA	**0.0199**	NA	< 0.01 U	NA
Chromium VI	T	mg/L	NA	NA	NA	< 0.5 U	NA	**0.0071 F**	NA	**0.0019 F**	NA	< 0.01 U	NA	< 0.005 U	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	NA	NA	NA	< 60 U	NA	< 60 U	NA	< 60 U	NA	< 60 U	NA	**0.13 F**	NA	NA	< 1 UM	< 1 U	< 1 U	NA	< 1 UJ	NA
Copper	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	NA	NA	NA	R	NA	< 10 U	NA	< 10 U	NA	< 10 U	NA	**1.1**	NA	NA	< 5 U	**2.85 J**	< 5 U	NA	**2.98 F**	NA
Iron	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	**209**	**794 J**	**641 J**	**378 J**	**270 M**	**176 J**	**556 J**	**385 J**	**756 M**	**359**	**810 M**	**400**	**1370 M**	NA	**437 M**	**266 M**	**414**	**663 M**	**493 M**	**683**
Lead	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	ug/L	< 25 U	< 25 U	< 25 U	R	R	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	**0.35 F**	**0.41 F**	NA	**2.25**	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Magnesium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	**26204**	**26717**	**26607**	**28600**	**29000**	**29600**	**31300**	**27500**	**26300**	**23700**	**14000**	**17000**	**13700 M**	NA	**14000**	**15000 B**	**14100**	**13600 M**	**16500**	**30200 M**
Manganese	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	**132**	**268**	**284**	**290 J**	**120**	**72.7 J**	**272**	**209 J**	**62.7 M**	**231**	**1100 M**	**290**	**609 M**	NA	**241 M**	**244**	**262**	**238 M**	**156 J**	**299**
Mercury	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	NA	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	**0.068 F**	NA	NA	< 0.2 U	< 0.2 U	< 0.2 U	NA	< 0.2 U	NA
Nickel	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	NA	NA	NA	**6 J**	NA	**25.7 J**	NA	**34.7**	NA	**3.56 F**	NA	**9.4**	NA	NA	**8.47 M**	**7.66 M**	**14.6**	NA	**29.3 M**	NA
Potassium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	**13563**	**15081 J**	**11945 J**	**2690 J**	**13000 J**	**27100 J**	**11500**	**13300 J**	**10200 J**	**1550**	**2300**	**1500**	**3030 M**	NA	**1250**	**14800 B**	**25400**	**36900**	**40900**	**3500 M**
Selenium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	NA	NA	NA	< 30 U	NA	< 30 U	NA	< 30 U	NA	< 30 U	NA	< 5 U	NA	NA	< 1 U	**0.587 F**	NA	NA	< 1 U	NA
Silver	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	NA	NA	NA	< 10 U	NA	< 10 U	NA	< 10 U	NA	< 10 U	NA	< 1 UM	NA	NA	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
Sodium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	**125109 M**	**135820 M**	**131891 M**	**133600**	**140000 M**	**150000**	**137000**	**129000 J**	**130000 M**	**121000**	**84000 M**	**90000**	**82100 M**	NA	**82500 M**	**78900 J**	**85100**	**89800 M**	**76200**	**55800**
Thallium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	NA	NA	NA	< 80 U	NA	< 80 U	NA	< 80 U	NA	< 80 U	NA	< 1 U	NA	NA	< 0.2 UM	< 0.2 U	< 0.2 U	NA	< 0.2 U	NA
Vanadium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	NA	NA	NA	R	NA	< 10 U	NA	< 10 U	NA	< 10 U	NA	< 5 U	NA	NA	< 1 UM	< 1 U	NA	NA	< 5 UM	NA
Zinc	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	NA	NA	NA	**5 F**	NA	**284**	NA	**67.4**	NA	**46.8 J**	NA	**16 M**	NA	NA	< 20 U	< 20 U	**12.7 F**	NA	**25.9**	NA
Total Recoverable Phenolics	N	mg/L	NA	NA	NA	**0.0023 F**	NA	< 0.005 U	NA	< 0.005 U	NA	< 0.005 U	NA	< 0.05 UM	NA	NA	**0.0069 B**	NA	< 0.005 U	NA	< 0.005 U	NA
VOCs																						
1,1,1-Trichloroethane	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
1,1,2,2-Tetrachloroethane	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
1,1,2-trichloro-1,2,2-trifluoroethane	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 5 U	< 5 U	< 5 U	NA	< 5 U	NA
1,1,2-Trichloroethane	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
1,1-Dichloroethane	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
1,1-Dichloroethene	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
1,2,3-Trichloropropane	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
1,2,3-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
1,2,4-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	N	ug/L	NA	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 2 U	NA	NA	< 2 U	< 2 U	< 2 U	NA	< 2 U	NA
1,2-Dibromoethane	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
1,2-Dichlorobenzene	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
1,2-Dichloroethane	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
1,2-Dichloroethene, Total	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
1,3,5-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
1,3-Dichloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
1,4-Dioxane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	N	ug/L	NA	NA	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 10 U	NA	NA	< 5 U	< 5 UM	< 5 U	NA	< 5 U	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010
		Sample Date	9/22/2004	12/16/2004	12/16/2004	3/24/2005	6/23/2005	12/14/2005	6/27/2006	1/3/2007	7/11/2007	12/5/2007	6/24/2009	12/8/2009	6/22/2010	6/22/2010	12/7/2010	6/21/2011	12/7/2011	6/20/2012	6/19/2013	6/24/2014
		Sample Type	FD	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**																				
2-Chloroethyl vinyl ether	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	N	ug/L	NA	NA	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 10 U	NA	NA	< 5 U	< 5 U	< 5 U	NA	< 5 U	NA
Acetone	N	ug/L	NA	NA	NA	R	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 20 U	NA	NA	< 5 U	< 5 U	< 5 U	NA	< 5 U	NA
Acrylonitrile	N	ug/L	NA	NA	NA	< 4 U	NA	< 4 U	NA	< 4 U	NA	< 4 U	NA	< 1 U	NA	NA	< 5 U	< 5 U	< 5 U	NA	< 5 U	NA
Benzene	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
Bromochloromethane	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
Bromodichloromethane	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
Bromoform	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
Bromomethane	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
Carbon Disulfide	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 5 U	NA	NA	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
Carbon Tetrachloride	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
CFC-11	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
CFC-12	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
Chlorobenzene	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
Chlorodibromomethane	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
Chloroethane	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 UM	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
Chloroform	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
Chloromethane	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
cis-1,2-Dichloroethene	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
cis-1,3-Dichloropropene	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
Cyclohexane	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 5 U	NA	NA	< 5 U	< 5 U	< 5 U	NA	< 5 U	NA
Dibromomethane	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
Dichloromethane	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 5 U	NA	NA	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
Ethylbenzene	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
Isopropylbenzene	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
m&p-Xylenes	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	N	ug/L	NA	NA	NA	< 5 U	NA	< 5 U	NA	R	NA	< 5 U	NA	< 5 U	NA	NA	< 5 U	< 5 U	< 5 U	NA	< 5 U	NA
Methyl N-Butyl Ketone (2-Hexanone)	N	ug/L	NA	NA	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 5 UJ	NA	NA	< 5 U	< 5 U	< 5 U	NA	< 5 U	NA
Methylcyclohexane	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 5 U	NA	NA	< 5 U	< 5 U	< 5 U	NA	< 5 U	NA
Methyl-tert-butylether	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
n-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenolics	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
tert-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
Toluene	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
Total Xylenes	N	ug/L	NA	NA	NA	< 1.5 U	NA	< 1.5 U	NA	< 1.5 U	NA	< 1.5 U	NA	< 3 U	NA	NA	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
trans-1,2-Dichloroethene	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
trans-1,3-Dichloropropene	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
trans-1,4-Dichloro-2-butene	N	ug/L	NA	NA	NA	< 2 U	NA	< 2 U	NA	< 2 U	NA	< 2 U	NA	< 5 U	NA	NA	< 5 U	< 5 U	< 5 U	NA	< 5 U	NA
Trichloroethene	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
Vinyl acetate	N	ug/L	NA	NA	NA	R	NA	< 2 U	NA	R	NA	< 2 U	NA	< 5 U	NA	NA	< 5 U	< 5 U	< 5 U	NA	< 5 U	NA
Vinyl chloride	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
Leachate Indicators																						
Ammonia Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromide	N	mg/L	NA	NA	NA	< 0 U	NA	< 0 UM	NA	< 0 UM	NA	< 0 U	NA	< 0 U	NA	NA	< 0 U	NA	< 0 U	NA	< 1 U	NA
Chloride	N	mg/L	NA	NA	NA	**253 M**	NA	**280 M**	NA	**260 M**	NA	**200**	NA	**130**	NA	NA	**102 M**	NA	NA	NA	**103 J**	NA
Fluoride (F-, Anion)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	N	mg/L	NA	NA	NA	**40.42**	NA	**43**	NA	**40 M**	NA	**35**	NA	**29 M**	NA	NA	**25.5**	NA	**22.1**	NA	**31.1**	NA
Total Kjeldahl Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorus as PO4	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity	N	mg/L	NA	NA	NA	**174**	NA	**130**	NA	**190**	NA	**180**	NA	NA	NA	NA	**172 M**	NA	**135**	NA	**140**	NA
Alkalinity (as CaCO3)	N	mg/L	NA	NA	NA	**332**	NA	**200 B**	NA	**280**	NA	**250**	NA	**165**	NA	NA	**154 M**	NA	**94**	NA	**94**	NA
Alkalinity, Bicarbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Carbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Hydroxide	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Biological Oxygen Demand	N	mg/L	NA	NA	NA	< 0 U	NA	< 0 U	NA	**5.5**	NA	< 0 U	NA	**3.9**	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	NA	NA	NA	NA	NA	**2.06 J**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CBOD	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**7.34 M**	NA	**1.17 F**	NA	< 0 U	NA
Chemical Oxygen Demand	N	mg/L	NA	NA	NA	< 0 U	NA	**49**	NA	**57 J**	NA	R	NA	**29 J**	NA	NA	**20.8 M**	NA	**22.8**	NA	**41.4 M**	NA
Color	N	COLOR UNIT	NA	NA	NA	10	NA	5 U	NA	< 0 U	NA	10	NA	< 0 U	NA	NA	< 0 U	NA	< 0 U	NA	5	NA
Color	N	PCU	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	N	ug/L	NA	NA	NA	< 0 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	< 1 U	NA	**9.6 F**	NA	< 1 U	NA
Hardness (as CaCO3)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	N	PH UNITS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.33	NA	NA	NA
Total Dissolved Solids	N	mg/L	NA	NA	NA	**1164**	NA	**650**	NA	**700**	NA	**560**	NA	NA	NA	NA	**396**	NA	**380**	NA	**360**	NA
Total Dissolved Solids	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	NA	NA	NA	**2.1 J**	NA	NA	NA	**8.6 J**	NA	**1.4**	NA	**4.9 M**	NA	NA	**5.21 M**	NA	**1.55**	NA	**1.42 B**	NA
Total Organic Carbon 2	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-010	MW-23-010	MW-23-010	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011
		Sample Date	7/7/2015	8/24/2017	8/1/2018	1/13/1989	9/13/1991	11/26/1991	4/26/2001	6/26/2001	9/27/2001	12/13/2001	3/18/2002	6/20/2002	9/19/2002	12/17/2002	3/19/2003	6/23/2003	9/24/2003	1/14/2004	3/24/2004	6/29/2004
		Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**																				
Metals																						
Aluminum	D	ug/L	NA	NA	NA	**367**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	NA	NA	< 70	NA	NA	NA	< 8.5 U	NA	NA	NA	NA	**110 F**	< 200 U	< 200 U	NA	NA	**1738 M**	NA	NA	NA
Antimony	D	ug/L	NA	NA	NA	< 43	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	NA	NA	**1.8**	NA	NA	NA	< 4.1 U	NA	NA	NA	NA	**10.4 F**	< 50 U	< 50 U	NA	NA	< 50 U	NA	NA	NA
Arsenic	D	ug/L	NA	NA	NA	**22**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	ug/L	NA	NA	< 1.0	NA	NA	NA	**10.3 J**	NA	NA	NA	NA	**12.7 F**	**8.8 F**	< 30 U	NA	NA	**19.6 F**	NA	NA	NA
Barium	D	ug/L	NA	NA	NA	**125**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	ug/L	NA	NA	**1.3**	NA	NA	NA	**26.4**	NA	NA	NA	NA	**19.7**	**25.3 J**	**20.8 F**	NA	NA	**30.6 F**	NA	NA	NA
Beryllium	D	ug/L	NA	NA	NA	< 1.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	NA	NA	< 0.30	NA	NA	NA	**0.18 B**	NA	NA	NA	NA	< 5 U	< 5 U	< 4 U	NA	NA	< 4 U	NA	NA	NA
Boron	T	ug/L	NA	NA	**7.3**	NA	NA	NA	< 32.4 U	NA	NA	NA	NA	**28.9 F**	< 110 U	< 110 U	NA	NA	**44.3 F**	NA	NA	NA
Cadmium	D	ug/L	NA	NA	NA	< 4.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	ug/L	< 0.6 U	< 1.0	< 1.0	NA	NA	NA	< 0.4 U	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Calcium	D	ug/L	NA	NA	NA	**116000**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	**80300 M**	**64000**	**2600**	NA	NA	NA	**127000**	**108630 M**	**111099 M**	**125976 J**	**113330 MJ**	**97225 M**	**114800 M**	**110380**	**118306 M**	**113527 M**	**109744**	**105355**	**106532**	**130845 M**
Chromium	D	ug/L	NA	NA	NA	**7.2**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	ug/L	**2.97**	**5.2**	**5.4**	NA	NA	NA	**5.2 B**	NA	NA	NA	NA	< 10 U	**399 J**	**4.3 F**	NA	NA	**16.8**	NA	NA	NA
Chromium VI	D	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium VI	T	mg/L	NA	NA	< 0.010	NA	NA	NA	< 0.01 UJ	NA	NA	NA	NA	R	NA	NA	NA	NA	**0.036 M**	NA	NA	NA
Cobalt	D	ug/L	NA	NA	NA	**8.6**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	NA	NA	**0.12**	NA	NA	NA	**0.86 B**	NA	NA	NA	NA	< 6 U	**4.35 F**	< 60 U	NA	NA	< 60 U	NA	NA	NA
Copper	D	ug/L	NA	NA	NA	**6.9**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	NA	NA	**0.75**	NA	NA	NA	**5.6 B**	NA	NA	NA	NA	< 10 U	< 10 U	< 10 U	NA	NA	< 10 U	NA	NA	NA
Iron	D	ug/L	NA	NA	NA	**47100**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	**379**	**460**	**48**	NA	NA	NA	**19600**	**12764**	**14120**	**14582 J**	**16365**	**13500 M**	**18036 J**	**17652**	**18203 J**	**17530**	**22628**	**13387**	**13079**	**16716**
Lead	D	ug/L	NA	NA	NA	< 0.91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	ug/L	< 1 U	< 0.70	< 0.70	NA	NA	NA	< 2.1 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	**3 F**	< 25 U	< 25 U	< 25 U	**6.3 F**	< 25 U
Magnesium	D	ug/L	NA	NA	NA	**31400**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	**31600**	**27000**	**27000**	NA	NA	NA	**22400**	**20139**	**21466**	**22559**	**22909**	**19408 M**	**23264**	**22076**	**23824 M**	**22794 M**	**23995**	**21476**	**21088 M**	**24695**
Manganese	D	ug/L	NA	NA	NA	**385**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	**287**	**230**	**10**	NA	NA	NA	**1100**	**699**	**752**	**831 B**	**879**	**773**	**1013**	**944**	**973**	**992**	**992**	**892**	**939**	**1076**
Mercury	D	ug/L	NA	NA	NA	< 0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	NA	NA	< 0.080	NA	NA	NA	< 0.1 U	NA	NA	NA	NA	< 1 UM	NA	NA	NA	NA	< 1 U	NA	NA	NA
Nickel	D	ug/L	NA	NA	NA	< 24	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	NA	NA	**3.0**	NA	NA	NA	**3 B**	NA	NA	NA	NA	< 10 U	**267 J**	< 20 U	NA	NA	**8.8 F**	NA	NA	NA
Potassium	D	ug/L	NA	NA	NA	**40000**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	**1430**	**11000**	**73000**	NA	NA	NA	**4390 J**	**4115 J**	**4177 J**	**4089**	**3580**	**3147**	**3125**	**2608**	**2861**	**2390**	**2736**	**2066**	**2228**	**2183**
Selenium	D	ug/L	NA	NA	NA	**21**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	NA	NA	< 2.0	NA	NA	NA	< 9.9 U	NA	NA	NA	NA	< 30 U	< 30 U	**10.9 F**	NA	NA	**22.6 F**	NA	NA	NA
Silver	D	ug/L	NA	NA	NA	< 4.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	NA	NA	< 0.10	NA	NA	NA	< 0.9 U	NA	NA	NA	NA	< 10 U	< 10 U	< 10 U	NA	NA	< 10 U	NA	NA	NA
Sodium	D	ug/L	NA	NA	NA	**52100**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	**58300**	**120000**	**130000**	NA	NA	NA	**87100**	**101710**	**124673**	**115242**	**106759 M**	**99794 M**	**121113 M**	**126224**	**117026 M**	**101349 M**	**111330**	**102670**	**91777 M**	**92137 J**
Thallium	D	ug/L	NA	NA	NA	< 2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	NA	NA	< 0.20	NA	NA	NA	< 4.3 U	NA	NA	NA	NA	**8.2 F**	**13 F**	**13.7 F**	NA	NA	< 80 U	NA	NA	NA
Vanadium	D	ug/L	NA	NA	NA	< 2.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	NA	NA	< 2.0	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 10 U	< 10 U	< 10 U	NA	NA	**6.6 F**	NA	NA	NA
Zinc	D	ug/L	NA	NA	NA	**30**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	NA	NA	**5.1**	NA	NA	NA	< 3 U	NA	NA	NA	NA	**4.5 F**	**46.7**	< 20 U	NA	NA	**10.5 F**	NA	NA	NA
Total Recoverable Phenolics	N	mg/L	NA	NA	NA	NA	NA	NA	< 0.005 UJ	NA	NA	NA	NA	< 0.005 UM	NA	NA	NA	NA	**0.0063 J**	NA	NA	NA
VOCs																						
1,1,1-Trichloroethane	N	ug/L	NA	NA	< 0.40	< 5 [< 0.3]	< 5	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
1,1,2,2-Tetrachloroethane	N	ug/L	NA	NA	< 0.80	< 5 [< 0.3]	< 5	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
1,1,2-trichloro-1,2,2-trifluoroethane	N	ug/L	NA	NA	< 1.6	< 1	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
1,1,2-Trichloroethane	N	ug/L	NA	NA	< 0.80	< 5 [< 0.2]	< 5	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
1,1-Dichloroethane	N	ug/L	NA	NA	< 0.80	< 5 [< 0.4]	< 5	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
1,1-Dichloroethene	N	ug/L	NA	NA	< 0.80	**< 5 [0.5]**	< 5	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
1,2,3-Trichloropropane	N	ug/L	NA	NA	< 0.80	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
1,2,3-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	N	ug/L	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
1,2,4-Trimethylbenzene	N	ug/L	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	N	ug/L	NA	NA	< 1.6	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA
1,2-Dibromoethane	N	ug/L	NA	NA	< 0.40	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
1,2-Dichlorobenzene	N	ug/L	NA	NA	< 0.40	< 1	NA	NA	< 1 U	NA	NA	NA	NA	**0.14 F**	NA	NA	NA	NA	**0.12 F**	NA	NA	NA
1,2-Dichloroethane	N	ug/L	NA	NA	< 0.40	< 5 [< 0.3]	< 5	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
1,2-Dichloroethene, Total	N	ug/L	NA	NA	NA	**1 [< 0.5]**	< 5	< 1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	N	ug/L	NA	NA	< 0.40	< 5 [< 0.2]	< 5	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
1,3,5-Trimethylbenzene	N	ug/L	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	N	ug/L	NA	NA	< 0.40	< 1	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
1,3-Dichloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	N	ug/L	NA	NA	< 0.40	< 1	NA	NA	**1.4**	NA	NA	NA	NA	**1.17**	NA	NA	NA	NA	**1.07**	NA	NA	NA
1,4-Dioxane	N	ug/L	NA	NA	< 160	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	N	ug/L	NA	NA	< 4.0	< 10	< 10	< 2	NA	NA	NA	NA	NA	< 5 UM	NA	NA	NA	NA	< 5 U	NA	NA	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-010	MW-23-010	MW-23-010	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011
		Sample Date	7/7/2015	8/24/2017	8/1/2018	1/13/1989	9/13/1991	11/26/1991	4/26/2001	6/26/2001	9/27/2001	12/13/2001	3/18/2002	6/20/2002	9/19/2002	12/17/2002	3/19/2003	6/23/2003	9/24/2003	1/14/2004	3/24/2004	6/29/2004
		Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**																				
2-Chloroethyl vinyl ether	N	ug/L	NA	NA	NA	< 0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	N	ug/L	NA	NA	< 3.2	< 10	< 10	< 2	< 2 U	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	< 5 U	NA	NA	NA
Acetone	N	ug/L	NA	NA	< 6.4	< 10	< 10	< 2	NA	NA	NA	NA	NA	< 10 UM	NA	NA	NA	NA	< 5 U	NA	NA	NA
Acrylonitrile	N	ug/L	NA	NA	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	< 5 U	NA	NA	NA
Benzene	N	ug/L	NA	NA	< 0.40	**10**	< 5	**8**	**1.2**	NA	NA	NA	NA	**0.75**	NA	NA	NA	NA	**0.88**	NA	NA	NA
Bromochloromethane	N	ug/L	NA	NA	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Bromodichloromethane	N	ug/L	NA	NA	< 0.40	< 5 [< 0.4]	< 5	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Bromoform	N	ug/L	NA	NA	< 0.40	< 5 [< 0.5]	< 5	< 1	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Bromomethane	N	ug/L	NA	NA	< 0.80	< 10 [< 0.5]	< 10	< 2	< 2 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Carbon Disulfide	N	ug/L	NA	NA	< 1.6	< 5	< 5	< 1	< 1 U	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Carbon Tetrachloride	N	ug/L	NA	NA	< 0.40	< 5 [< 0.3]	< 5	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
CFC-11	N	ug/L	NA	NA	< 0.80	NA	NA	NA	**0.49 J**	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
CFC-12	N	ug/L	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	**0.69**	NA	NA	NA
Chlorobenzene	N	ug/L	NA	NA	< 0.40	**10 [< 0.4]**	< 5	**10**	**0.48 J**	NA	NA	NA	NA	**0.68**	NA	NA	NA	NA	**0.72**	NA	NA	NA
Chlorodibromomethane	N	ug/L	NA	NA	< 0.40	< 5 [< 0.4]	< 5	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Chloroethane	N	ug/L	NA	NA	< 1.6	< 10 [< 0.5]	< 10	< 2	< 2 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Chloroform	N	ug/L	NA	NA	< 0.40	< 5 [< 0.2]	< 5	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Chloromethane	N	ug/L	NA	NA	< 0.80	< 10 [< 0.5]	< 10	< 2	< 2 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
cis-1,2-Dichloroethene	N	ug/L	NA	NA	< 0.40	NA	NA	NA	< 1 U	NA	NA	NA	NA	**0.14 F**	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
cis-1,3-Dichloropropene	N	ug/L	NA	NA	< 0.40	< 5 [< 0.3]	< 5	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Cyclohexane	N	ug/L	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	**0.09 F**	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Dibromomethane	N	ug/L	NA	NA	< 0.40	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Dichloromethane	N	ug/L	NA	NA	< 0.80	< 5 [< 1]	< 5	**3**	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Ethylbenzene	N	ug/L	NA	NA	< 0.40	**54**	< 5	**48**	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Isopropylbenzene	N	ug/L	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	**0.11 F**	NA	NA	NA	NA	**0.13 F**	NA	NA	NA
m&p-Xylenes	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	N	ug/L	NA	NA	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	< 5 U	NA	NA	NA
Methyl N-Butyl Ketone (2-Hexanone)	N	ug/L	NA	NA	< 4.0	< 10	< 10	< 2	< 2 U	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	< 5 U	NA	NA	NA
Methylcyclohexane	N	ug/L	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Methyl-tert-butylether	N	ug/L	NA	NA	< 0.80	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
n-Butylbenzene	N	ug/L	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	N	ug/L	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenolics	N	mg/L	NA	NA	< 0.010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	N	ug/L	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	N	ug/L	NA	NA	< 0.40	< 5	< 5	< 1	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
tert-Butylbenzene	N	ug/L	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	N	ug/L	NA	NA	< 0.40	< 5 [< 0.2]	< 5	< 1	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Toluene	N	ug/L	NA	NA	< 0.40	**2**	< 5	**1**	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Total Xylenes	N	ug/L	NA	NA	< 0.80	**43**	< 5	**25**	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 1.5 U	NA	NA	NA
trans-1,2-Dichloroethene	N	ug/L	NA	NA	< 0.40	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
trans-1,3-Dichloropropene	N	ug/L	NA	NA	< 0.40	< 5 [< 0.3]	< 5	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
trans-1,4-Dichloro-2-butene	N	ug/L	NA	NA	< 1.6	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Trichloroethene	N	ug/L	NA	NA	< 0.40	< 5 [< 0.5]	< 5	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Vinyl acetate	N	ug/L	NA	NA	< 2.0	< 10	< 10	< 2	< 4 U	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	< 5 U	NA	NA	NA
Vinyl chloride	N	ug/L	NA	NA	< 0.20	< 10 [< 0.3]	< 10	**7**	**2.2**	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	**0.96**	NA	NA	NA
Leachate Indicators																						
Ammonia Nitrogen	N	mg/L	NA	NA	< 0.050	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromide	N	mg/L	NA	NA	< 0.20	NA	NA	NA	< 0 U	NA	NA	NA	NA	< 0 U	NA	NA	NA	NA	< 0 U	NA	NA	NA
Chloride	N	mg/L	NA	NA	**170**	NA	NA	NA	**154**	NA	NA	NA	NA	**170 J**	NA	NA	NA	NA	**166 J**	NA	NA	NA
Fluoride (F-, Anion)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	N	mg/L	NA	NA	**0.14**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	N	mg/L	NA	NA	**24**	NA	NA	NA	**29.7**	NA	NA	NA	NA	**28.5**	NA	NA	NA	NA	**27.4**	NA	NA	NA
Total Kjeldahl Nitrogen	N	mg/L	NA	NA	< 0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorus as PO4	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity	N	mg/L	NA	NA	**170**	NA	NA	NA	**320**	NA	NA	NA	NA	**272 S**	NA	NA	NA	NA	**302 B**	NA	NA	NA
Alkalinity (as CaCO3)	N	mg/L	NA	NA	NA	NA	NA	NA	**380**	NA	NA	NA	NA	**302 B**	NA	NA	NA	NA	**519 B**	NA	NA	NA
Alkalinity, Bicarbonate	N	mg/L	NA	NA	**32**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Carbonate	N	mg/L	NA	NA	**130**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Hydroxide	N	mg/L	NA	NA	< 5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Biological Oxygen Demand	N	mg/L	NA	NA	< 0.59	NA	NA	NA	**6**	NA	NA	NA	NA	R	NA	NA	NA	NA	**5.49 B**	NA	NA	NA
Carbon	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CBOD	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chemical Oxygen Demand	N	mg/L	NA	NA	< 20	NA	NA	NA	**11**	NA	NA	NA	NA	< 0 U	NA	NA	NA	NA	< 0 U	NA	NA	NA
Color	N	COLOR UNIT	NA	NA	NA	NA	NA	NA	40	NA	NA	NA	NA	100 B	NA	NA	NA	NA	125	NA	NA	NA
Color	N	PCU	NA	NA	< 5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	N	ug/L	NA	NA	< 5	NA	NA	NA	< 0 U	NA	NA	NA	NA	< 0 U	NA	NA	NA	NA	< 0 U	NA	NA	NA
Hardness (as CaCO3)	N	mg/L	NA	NA	**130**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	N	PH UNITS	NA	NA	NA	NA	6.38 [6.32	[6.28	6.6 [6.6	[6.7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids	N	mg/L	NA	NA	**540**	NA	NA	NA	**570**	NA	NA	NA	NA	**607 SB**	NA	NA	NA	NA	**629 S**	NA	NA	NA
Total Dissolved Solids	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	NA	NA	NA	NA	NA	NA	**4.6 J**	NA	NA	NA	NA	**1.77 S**	NA	NA	NA	NA	**2.84 J**	NA	NA	NA
Total Organic Carbon 2	N	mg/L	NA	NA	**1.4**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011
		Sample Date	9/23/2004	12/16/2004	3/29/2005	6/28/2005	6/28/2005	12/14/2005	6/28/2006	6/28/2006	1/4/2007	7/11/2007	12/6/2007	6/25/2009	12/8/2009	6/23/2010	12/7/2010	6/22/2011	12/12/2011	6/22/2012	6/20/2013	6/19/2014
		Sample Type	N	N	N	N	FD	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**																				
Metals																						
Aluminum	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	NA	NA	**1750**	NA	NA	**109 F**	NA	NA	**78.5 M**	NA	**42.5 F**	NA	**1800 J**	NA	**1110**	**228**	< 100 U	NA	**167 F**	NA
Antimony	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	NA	NA	< 50 U	NA	NA	< 50 U	NA	NA	< 50 U	NA	< 50 U	NA	< 2 U	NA	**3.24**	< 1 U	< 1 U	NA	< 1 U	NA
Arsenic	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	ug/L	NA	NA	**16 F**	NA	NA	**6.09 F**	NA	NA	**5.74 F**	NA	**5.84 F**	NA	**6.1**	NA	**95.7 M**	**8.37 J**	**5.23**	NA	**5.3 J**	NA
Barium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	ug/L	NA	NA	**38.6 F**	NA	NA	**24.3 F**	NA	NA	**16.7 F**	NA	**23.3 F**	NA	**33**	NA	**48.8**	**39.1 B**	**25.3**	NA	**31.6**	NA
Beryllium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	NA	NA	< 4 U	NA	NA	< 4 U	NA	NA	< 4 U	NA	< 4 U	NA	< 1 U	NA	< 2 U	< 2 U	< 2 U	NA	< 2 U	NA
Boron	T	ug/L	NA	NA	**14 F**	NA	NA	NA	NA	NA	**5.48 F**	NA	**13.5 F**	NA	**13**	NA	**147**	**76 F**	NA	NA	< 100 U	NA
Cadmium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	ug/L	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 1 U	< 1 U	< 0.6 U	< 0.6 U	< 0.6 U	< 0.6 U	< 0.6 U	< 0.6 U	< 0.6 U
Calcium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	**122860 M**	**107406 M**	**119400 M**	**120000 M**	**120000 M**	**110000**	**118000**	**119000**	**101000**	**98600 M**	**131000**	**97000**	**120000 M**	**89900 M**	**151000 M**	**106000 B**	**122000**	**97200 M**	**86100 M**	**76800 M**
Chromium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	ug/L	NA	NA	**117**	NA	NA	**50 J**	NA	NA	**8.4 F**	NA	**4.49 F**	NA	**13**	NA	**44.4 M**	**33.3 M**	**18.8**	NA	**37.9 M**	**82.5 M**
Chromium VI	D	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.005 U	NA	< 0.01 U	NA	< 0.01 U	NA
Chromium VI	T	mg/L	NA	NA	< 0.5 U	NA	NA	**0.005 F**	NA	NA	< 0.01 U	NA	< 0.01 U	NA	**0.0009 F**	NA	NA	NA	NA	NA	NA	NA
Cobalt	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	NA	NA	< 60 U	NA	NA	< 60 U	NA	NA	< 60 U	NA	< 60 U	NA	**1.4**	NA	**1.19 M**	**1.05**	**0.574 F**	NA	**1.14 J**	NA
Copper	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	NA	NA	**4 F**	NA	NA	< 10 U	NA	NA	< 10 U	NA	< 10 U	NA	**11**	NA	**15.8**	**31 J**	< 5 U	NA	**22.8**	NA
Iron	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	**16667**	**15473 J**	**33961**	**23000 M**	**19000 M**	**15800 J**	**17200**	**18700**	**11600**	**10200 M**	**12800**	**11000 M**	**15000**	**9100 M**	**13800 M**	**15100 M**	**10000**	**12900 M**	**10600 M**	**14700**
Lead	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	ug/L	< 25 U	< 25 U	**2.9 F**	**1.8 F**	**1.6 F**	**0.97 F**	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	**0.35 F**	**2 F**	**0.785 F**	**3.72**	**1.18**	< 1 U	**1.66**	**0.0587 F**	**1.48**
Magnesium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	**18591**	**15627**	**20240**	**22000**	**21000**	**20600**	**26100**	**26200**	**19900**	**19200**	**26200**	**21000**	**24000**	**16200 M**	**27500**	**21400 B**	**23600**	**14700 M**	**15400**	**10700 M**
Manganese	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	**1205**	**991**	**992**	**910**	**880**	**845 J**	**860**	**867**	**652**	**789 M**	**1070**	**1500 M**	**1800**	**1380 M**	**2330 M**	**1670**	**1460**	**1530 M**	**1090 J**	**721**
Mercury	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	NA	NA	**0.02 F**	NA	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 0.2 U	NA	< 0.2 U	< 0.2 U	< 0.2 U	NA	< 0.2 U	NA
Nickel	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	NA	NA	**61**	NA	NA	**24.9 J**	NA	NA	**6.41 F**	NA	< 20 U	NA	**11**	NA	**24.3 M**	**18.8 M**	**11.4**	NA	**24.8 M**	NA
Potassium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	**2295**	**3042 J**	**3730**	**3300**	**3200**	**3070 J**	**2250**	**2270**	**1480 J**	**1590 J**	**1760**	**2500**	**2700**	**1750 M**	**2790**	**2620 B**	**1580**	**1400**	**3710**	**2290 M**
Selenium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	NA	NA	< 30 U	NA	NA	< 30 U	NA	NA	< 30 U	NA	< 30 U	NA	< 5 U	NA	< 1 U	< 1 U	NA	NA	**0.6 F**	NA
Silver	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	NA	NA	< 10 U	NA	NA	< 10 U	NA	NA	< 10 U	NA	< 10 U	NA	< 1 UM	NA	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
Sodium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	**103162 M**	**137728 M**	**118900**	**140000 M**	**140000 M**	**218000**	**209000**	**208000**	**146000**	**162000 M**	**167000**	**130000 M**	**150000**	**135000 M**	**227000 M**	NA	NA	**178000 M**	**179000**	**171000**
Thallium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	NA	NA	< 80 U	NA	NA	< 80 U	NA	NA	< 80 U	NA	< 80 U	NA	< 1 U	NA	< 0.2 UM	< 0.2 U	< 0.2 U	NA	< 0.2 U	NA
Vanadium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	NA	NA	**5 F**	NA	NA	< 10 U	NA	NA	< 10 U	NA	< 10 U	NA	**2.8 F**	NA	**2.46 M**	**1.61**	**1.04**	NA	< 1 UM	NA
Zinc	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	NA	NA	**15 F**	NA	NA	**202**	NA	NA	**26.5**	NA	**29.7 J**	NA	**22 M**	NA	**16.1 F**	**33.9 B**	**6.33 F**	NA	**9.44 F**	NA
Total Recoverable Phenolics	N	mg/L	NA	NA	< 0.005 U	NA	NA	< 0.005 U	NA	NA	< 0.005 U	NA	**0.0011 F**	NA	< 0.05 UM	NA	**0.0046 F**	NA	< 0.005 U	NA	**0.0051**	NA
VOCs																						
1,1,1-Trichloroethane	N	ug/L	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA
1,1,2,2-Tetrachloroethane	N	ug/L	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA
1,1,2-trichloro-1,2,2-trifluoroethane	N	ug/L	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA
1,1,2-Trichloroethane	N	ug/L	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA
1,1-Dichloroethane	N	ug/L	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA
1,1-Dichloroethene	N	ug/L	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA
1,2,3-Trichloropropane	N	ug/L	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA
1,2,3-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	N	ug/L	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	NA	**0.38 F**	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA
1,2,4-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	N	ug/L	NA	NA	< 1 U	NA	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 2 U	NA	< 2 U	NA	< 2 U	NA	< 2 U	NA
1,2-Dibromoethane	N	ug/L	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA
1,2-Dichlorobenzene	N	ug/L	NA	NA	**0.18 F**	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA
1,2-Dichloroethane	N	ug/L	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA
1,2-Dichloroethene, Total	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	N	ug/L	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA
1,3,5-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	N	ug/L	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA
1,3-Dichloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	N	ug/L	NA	NA	**1.7**	NA	NA	**0.99**	NA	NA	**2.17**	NA	**0.54**	NA	**0.305 F**	NA	**0.225 F**	NA	**0.312 F**	NA	**0.969 F**	NA
1,4-Dioxane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	N	ug/L	NA	NA	< 5 U	NA	NA	< 5 U	NA	NA	< 5 U	NA	< 5 U	NA	< 10 U	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011
		Sample Date	9/23/2004	12/16/2004	3/29/2005	6/28/2005	6/28/2005	12/14/2005	6/28/2006	6/28/2006	1/4/2007	7/11/2007	12/6/2007	6/25/2009	12/8/2009	6/23/2010	12/7/2010	6/22/2011	12/12/2011	6/22/2012	6/20/2013	6/19/2014
		Sample Type	N	N	N	N	FD	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**																				
2-Chloroethyl vinyl ether	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	N	ug/L	NA	NA	< 5 U	NA	NA	< 5 U	NA	NA	< 5 U	NA	< 5 U	NA	< 10 U	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA
Acetone	N	ug/L	NA	NA	< 5 U	NA	NA	< 5 U	NA	NA	< 5 U	NA	< 5 U	NA	< 20 U	NA	< 5 U	NA	**4.02 F**	NA	< 5 U	NA
Acrylonitrile	N	ug/L	NA	NA	< 4 U	NA	NA	< 4 U	NA	NA	< 4 U	NA	< 4 U	NA	< 1 U	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA
Benzene	N	ug/L	NA	NA	**0.71 J**	NA	NA	**0.14 F**	NA	NA	**0.22 F**	NA	**0.17 F**	NA	**0.164 F**	NA	**0.217 F**	NA	**0.999 F**	NA	< 1 U	NA
Bromochloromethane	N	ug/L	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA
Bromodichloromethane	N	ug/L	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA
Bromoform	N	ug/L	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA
Bromomethane	N	ug/L	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA
Carbon Disulfide	N	ug/L	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA
Carbon Tetrachloride	N	ug/L	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA
CFC-11	N	ug/L	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA
CFC-12	N	ug/L	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	**0.11 F**	NA	< 1 U	NA	< 1 U	NA	**1.46**	NA	< 1 U	NA
Chlorobenzene	N	ug/L	NA	NA	**1.26 J**	NA	NA	**0.33 F**	NA	NA	**0.3 F**	NA	**0.13 F**	NA	< 1 U	NA	**0.14 F**	NA	**0.412 F**	NA	< 1 U	NA
Chlorodibromomethane	N	ug/L	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA
Chloroethane	N	ug/L	NA	NA	< 0.5 U	NA	NA	< 0.5 UM	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA
Chloroform	N	ug/L	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA
Chloromethane	N	ug/L	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA
cis-1,2-Dichloroethene	N	ug/L	NA	NA	**0.15 F**	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA
cis-1,3-Dichloropropene	N	ug/L	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA
Cyclohexane	N	ug/L	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	NA	**16.3**	NA	**0.6**	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA
Dibromomethane	N	ug/L	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA
Dichloromethane	N	ug/L	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA
Ethylbenzene	N	ug/L	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	NA	**0.27 F**	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA
Isopropylbenzene	N	ug/L	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	NA	**22.5**	NA	**2.39**	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA
m&p-Xylenes	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	N	ug/L	NA	NA	< 5 U	NA	NA	< 5 U	NA	NA	R	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA
Methyl N-Butyl Ketone (2-Hexanone)	N	ug/L	NA	NA	< 5 U	NA	NA	< 5 U	NA	NA	< 5 U	NA	< 5 U	NA	< 5 UJ	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA
Methylcyclohexane	N	ug/L	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	NA	**8.67**	NA	**0.51**	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA
Methyl-tert-butylether	N	ug/L	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA
n-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenolics	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	N	ug/L	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA
tert-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	N	ug/L	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	NA	**0.16 F**	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA
Toluene	N	ug/L	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	NA	**0.57**	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	**10.6**	NA	< 1 U	NA
Total Xylenes	N	ug/L	NA	NA	< 1.5 U	NA	NA	< 1.5 U	NA	NA	**1.53**	NA	**0.12 F**	NA	< 3 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA
trans-1,2-Dichloroethene	N	ug/L	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA
trans-1,3-Dichloropropene	N	ug/L	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA
trans-1,4-Dichloro-2-butene	N	ug/L	NA	NA	< 2 U	NA	NA	< 2 U	NA	NA	< 2 U	NA	< 2 U	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA
Trichloroethene	N	ug/L	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA
Vinyl acetate	N	ug/L	NA	NA	< 2 U	NA	NA	< 2 U	NA	NA	R	NA	< 2 U	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA
Vinyl chloride	N	ug/L	NA	NA	**0.25 F**	NA	NA	**0.26 F**	NA	NA	< 0.5 U	NA	**0.21 F**	NA	< 1 U	NA	< 1 U	NA	**0.352 F**	NA	< 1 U	NA
Leachate Indicators																						
Ammonia Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromide	N	mg/L	NA	NA	< 0 U	NA	NA	< 0 UM	NA	NA	< 0 UM	NA	**0.094 F**	NA	< 0 U	NA	< 0 U	NA	< 0 U	NA	< 0.6 U	NA
Chloride	N	mg/L	NA	NA	**192 M**	NA	NA	**360 M**	NA	NA	**200 M**	NA	**310 M**	NA	**260**	NA	**402 M**	NA	NA	NA	**284 J**	NA
Fluoride (F-, Anion)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	N	mg/L	NA	NA	**27.01**	NA	NA	**30**	NA	NA	**20 M**	NA	**23**	NA	**35 M**	NA	**34.3**	NA	**18.5**	NA	**26.4**	NA
Total Kjeldahl Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorus as PO4	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity	N	mg/L	NA	NA	**306**	NA	NA	**310**	NA	NA	**380**	NA	**370**	NA	NA	NA	**298 M**	NA	**383**	NA	**270**	NA
Alkalinity (as CaCO3)	N	mg/L	NA	NA	**188**	NA	NA	**400 B**	NA	NA	**360**	NA	**440**	NA	**386**	NA	**408 M**	NA	**420**	NA	**278**	NA
Alkalinity, Bicarbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Carbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Hydroxide	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Biological Oxygen Demand	N	mg/L	NA	NA	**11.1**	NA	NA	< 0 U	NA	NA	< 0 U	NA	< 0 U	NA	**11**	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	NA	NA	NA	NA	NA	**4.15 J**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CBOD	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**5.71 M**	NA	**3.86**	NA	< 0 U	NA
Chemical Oxygen Demand	N	mg/L	NA	NA	**19.7 J**	NA	NA	**11**	NA	NA	**22**	NA	**6.3 J**	NA	**22 J**	NA	**80.1 M**	NA	**18.9 F**	NA	< 0 U	NA
Color	N	COLOR UNIT	NA	NA	35 J	NA	NA	15	NA	NA	35	NA	50	NA	25	NA	10	NA	< 0 U	NA	< 0 U	NA
Color	N	PCU	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	N	ug/L	NA	NA	< 0 U	NA	NA	**5 F**	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA
Hardness (as CaCO3)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	N	PH UNITS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.64	NA	NA	NA
Total Dissolved Solids	N	mg/L	NA	NA	**688**	NA	NA	**930**	NA	NA	**740**	NA	**850**	NA	NA	NA	**898**	NA	**940**	NA	**722**	NA
Total Dissolved Solids	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	NA	NA	**2.3**	NA	NA	NA	NA	NA	**4.1**	NA	**2.2**	NA	**2.8 M**	NA	**16 M**	NA	**7.53**	NA	**4.18 B**	NA
Total Organic Carbon 2	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-011	MW-23-011	MW-23-011	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012
		Sample Date	7/8/2015	8/24/2017	7/31/2018	1/13/1989	9/18/1991	4/26/2001	6/26/2001	9/27/2001	12/13/2001	3/18/2002	6/20/2002	9/19/2002	12/17/2002	3/19/2003	3/19/2003	6/23/2003	6/23/2003	9/24/2003	1/14/2004	3/24/2004
		Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	FD	N	N	N
Chemical	**Fraction**	**Unit**																				
Metals																						
Aluminum	D	ug/L	NA	NA	NA	**662**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	NA	NA	< 70	NA	NA	**597 J**	NA	NA	NA	NA	**488**	**764**	**55.5 F**	NA	NA	NA	NA	**197 M**	NA	NA
Antimony	D	ug/L	NA	NA	NA	< 43	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	NA	NA	< 1.0	NA	NA	< 4.1 U	NA	NA	NA	NA	**7.3 F**	< 50 U	**5.1 F**	NA	NA	NA	NA	< 50 U	NA	NA
Arsenic	D	ug/L	NA	NA	NA	**2.6**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	ug/L	NA	NA	**2.7**	NA	NA	< 4.4 U	NA	NA	NA	NA	< 30 U	< 30 U	< 30 U	NA	NA	NA	NA	**7.1 F**	NA	NA
Barium	D	ug/L	NA	NA	NA	**16**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	ug/L	NA	NA	**28**	NA	NA	**13.7 B**	NA	NA	NA	NA	**13.9**	**17.6 J**	**10 F**	NA	NA	NA	NA	**11.4 F**	NA	NA
Beryllium	D	ug/L	NA	NA	NA	< 1.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	NA	NA	< 0.30	NA	NA	**0.16 B**	NA	NA	NA	NA	< 5 U	< 5 U	< 4 U	NA	NA	NA	NA	< 4 U	NA	NA
Boron	T	ug/L	NA	NA	< 15	NA	NA	< 32.4 U	NA	NA	NA	NA	**18.6 F**	< 110 U	< 110 U	NA	NA	NA	NA	**25.3 F**	NA	NA
Cadmium	D	ug/L	NA	NA	NA	< 4.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	ug/L	< 0.6 U	< 1.0	< 1.0	NA	NA	< 0.4 U	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Calcium	D	ug/L	NA	NA	NA	**27700**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	**88100 M**	**71000**	**100000**	NA	NA	**36800**	**39835 M**	**40884 M**	**34366 J**	**31090 MJ**	**29503 M**	**32909 M**	**32288**	**29079 M**	**28829 M**	**32772 M**	**34150 M**	**31690**	**62943**	**29180**
Chromium	D	ug/L	NA	NA	NA	< 5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	ug/L	< 2 U	**11**	< 1.8	NA	NA	**14.1**	NA	NA	NA	NA	**96.7 J**	**301 J**	**3.1 F**	NA	NA	NA	NA	**89.7**	NA	NA
Chromium VI	D	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium VI	T	mg/L	NA	NA	< 0.010	NA	NA	< 0.01 UJ	NA	NA	NA	NA	R	NA	NA	NA	NA	NA	NA	**0.012 M**	NA	NA
Cobalt	D	ug/L	NA	NA	NA	< 2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	NA	NA	**0.13**	NA	NA	< 0.6 U	NA	NA	NA	NA	< 6 U	**3.56 F**	< 60 U	NA	NA	NA	NA	**0.7 F**	NA	NA
Copper	D	ug/L	NA	NA	NA	**3.1**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	NA	NA	< 1.8	NA	NA	**4.4 B**	NA	NA	NA	NA	**2.1 F**	< 10 U	< 10 U	NA	NA	NA	NA	< 10 U	NA	NA
Iron	D	ug/L	NA	NA	NA	**1260**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	**7320**	**11000**	**8200**	NA	NA	**1240**	**3798**	**1950**	**1044 J**	**1074**	**1524 M**	**2965 J**	**466**	**974 J**	**1419 J**	**2264**	**2078**	**1093**	**44447**	**1730**
Lead	D	ug/L	NA	NA	NA	< 0.91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	ug/L	< 1 U	**0.94**	< 0.70	NA	NA	< 2.1 U	< 25 U	< 25 U	**4.5 F**	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	**17.3 F**	< 25 U
Magnesium	D	ug/L	NA	NA	NA	**9070**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	**11500**	**13000**	**16000**	NA	NA	**12300**	**13122**	**13203**	**10456**	**10723**	**10093 M**	**11925**	**10923**	**9884 M**	**9734 M**	**11251 M**	**12110 M**	**10764**	**30808**	**10067 M**
Manganese	D	ug/L	NA	NA	NA	**152**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	**807**	**590**	**1100**	NA	NA	**185**	**237**	**201**	**167 B**	**170**	**169**	**212**	**154**	**187**	**203**	**211**	**194**	**168**	**1064**	**168**
Mercury	D	ug/L	NA	NA	NA	< 0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	NA	NA	< 0.080	NA	NA	< 0.1 U	NA	NA	NA	NA	< 1 UM	NA	NA	NA	NA	NA	NA	< 1 U	NA	NA
Nickel	D	ug/L	NA	NA	NA	**152**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	NA	NA	< 1.0	NA	NA	**6.5 B**	NA	NA	NA	NA	**53.9**	**180 J**	< 20 U	NA	NA	NA	NA	**42.9**	NA	NA
Potassium	D	ug/L	NA	NA	NA	**2380**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	**1810**	**1400**	**1700**	NA	NA	**1520 J**	**2295 J**	**1845 J**	**1512**	**1615**	**1486**	**1386**	**979 F**	**1013**	**971 F**	**1469**	**1544**	**1475**	**9815**	**1660**
Selenium	D	ug/L	NA	NA	NA	**2.1**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	NA	NA	< 2.0	NA	NA	< 9.9 U	NA	NA	NA	NA	< 30 U	< 30 U	< 30 U	NA	NA	NA	NA	**10.8 F**	NA	NA
Silver	D	ug/L	NA	NA	NA	**8000**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	NA	NA	< 0.10	NA	NA	< 0.9 U	NA	NA	NA	NA	< 10 U	< 10 U	< 10 U	NA	NA	NA	NA	< 10 U	NA	NA
Sodium	D	ug/L	NA	NA	NA	< 2.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	**137000**	**190000**	**240000**	NA	NA	**7160**	**7353**	**8212**	**6641**	**6306 M**	**6788 M**	**8018 M**	**6334**	**6131 M**	**5933 M**	**6598 M**	**6737 M**	**7617**	**9215**	**6421 M**
Thallium	D	ug/L	NA	NA	NA	< 2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	NA	NA	< 0.20	NA	NA	< 4.3 U	NA	NA	NA	NA	**4.4 F**	**4.1 F**	**4.2 F**	NA	NA	NA	NA	< 80 U	NA	NA
Vanadium	D	ug/L	NA	NA	NA	**200**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	NA	NA	< 2.0	NA	NA	**1.3 B**	NA	NA	NA	NA	< 10 U	< 10 U	< 10 U	NA	NA	NA	NA	< 10 U	NA	NA
Zinc	D	ug/L	NA	NA	NA	< 20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	NA	NA	< 8.0	NA	NA	< 3 U	NA	NA	NA	NA	**6.8 F**	**21.8**	**2.5 F**	NA	NA	NA	NA	**2.4 F**	NA	NA
Total Recoverable Phenolics	N	mg/L	NA	NA	NA	NA	NA	< 0.005 UJ	NA	NA	NA	NA	< 0.005 UM	NA	NA	NA	NA	NA	NA	**0.0024 J**	NA	NA
VOCs																						
1,1,1-Trichloroethane	N	ug/L	NA	NA	< 0.40	< 5 [< 0.3]	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA
1,1,2,2-Tetrachloroethane	N	ug/L	NA	NA	< 0.80	< 5 [< 0.3]	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA
1,1,2-trichloro-1,2,2-trifluoroethane	N	ug/L	NA	NA	< 1.6	< 1	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA
1,1,2-Trichloroethane	N	ug/L	NA	NA	< 0.80	< 5 [< 0.2]	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA
1,1-Dichloroethane	N	ug/L	NA	NA	< 0.80	< 5 [< 0.4]	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA
1,1-Dichloroethene	N	ug/L	NA	NA	< 0.80	< 5 [< 0.3]	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA
1,2,3-Trichloropropane	N	ug/L	NA	NA	< 0.80	NA	NA	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA
1,2,3-Trimethylbenzene	N	ug/L	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	N	ug/L	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA
1,2,4-Trimethylbenzene	N	ug/L	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	N	ug/L	NA	NA	< 1.6	NA	NA	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	NA	NA	< 1 U	NA	NA
1,2-Dibromoethane	N	ug/L	NA	NA	< 0.40	NA	NA	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA
1,2-Dichlorobenzene	N	ug/L	NA	NA	< 0.40	< 1	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA
1,2-Dichloroethane	N	ug/L	NA	NA	< 0.40	< 5 [< 0.3]	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA
1,2-Dichloroethene, Total	N	ug/L	NA	NA	NA	< 5 [< 0.5]	< 1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	N	ug/L	NA	NA	< 0.40	< 5 [< 0.2]	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA
1,3,5-Trimethylbenzene	N	ug/L	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	N	ug/L	NA	NA	< 0.40	< 1	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA
1,3-Dichloropropane	N	ug/L	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	N	ug/L	NA	NA	**0.26**	< 1	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA
1,4-Dioxane	N	ug/L	NA	NA	< 160	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	N	ug/L	NA	NA	< 4.0	**48**	< 2	NA	NA	NA	NA	NA	< 5 UM	NA	NA	NA	NA	NA	NA	< 5 U	NA	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-011	MW-23-011	MW-23-011	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012
		Sample Date	7/8/2015	8/24/2017	7/31/2018	1/13/1989	9/18/1991	4/26/2001	6/26/2001	9/27/2001	12/13/2001	3/18/2002	6/20/2002	9/19/2002	12/17/2002	3/19/2003	3/19/2003	6/23/2003	6/23/2003	9/24/2003	1/14/2004	3/24/2004
		Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	FD	N	N	N
Chemical	**Fraction**	**Unit**																				
2-Chloroethyl vinyl ether	N	ug/L	NA	NA	NA	< 0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	N	ug/L	NA	NA	< 3.2	< 10	< 2	< 2 U	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	NA	NA	< 5 U	NA	NA
Acetone	N	ug/L	NA	NA	**6.9**	< 10	< 2	NA	NA	NA	NA	NA	< 10 UM	NA	NA	NA	NA	NA	NA	< 5 U	NA	NA
Acrylonitrile	N	ug/L	NA	NA	< 4.0	NA	NA	NA	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	NA	NA	< 5 U	NA	NA
Benzene	N	ug/L	NA	NA	**0.29**	< 5	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA
Bromochloromethane	N	ug/L	NA	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA
Bromodichloromethane	N	ug/L	NA	NA	< 0.40	< 5 [< 0.4]	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA
Bromoform	N	ug/L	NA	NA	< 0.40	< 5 [< 0.5]	< 1	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA
Bromomethane	N	ug/L	NA	NA	< 0.80	< 10 [< 0.5]	< 2	< 2 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA
Carbon Disulfide	N	ug/L	NA	NA	< 1.6	< 5	< 1	< 1 U	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA
Carbon Tetrachloride	N	ug/L	NA	NA	< 0.40	< 5 [< 0.3]	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA
CFC-11	N	ug/L	NA	NA	< 0.80	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA
CFC-12	N	ug/L	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA
Chlorobenzene	N	ug/L	NA	NA	**2.3**	< 5 [< 0.4]	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA
Chlorodibromomethane	N	ug/L	NA	NA	< 0.40	< 5 [< 0.4]	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA
Chloroethane	N	ug/L	NA	NA	< 1.6	< 10 [< 0.5]	< 2	< 2 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA
Chloroform	N	ug/L	NA	NA	< 0.40	**< 5 [0.4]**	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA
Chloromethane	N	ug/L	NA	NA	< 0.80	< 10 [< 0.5]	< 2	< 2 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA
cis-1,2-Dichloroethene	N	ug/L	NA	NA	< 0.40	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA
cis-1,3-Dichloropropene	N	ug/L	NA	NA	< 0.40	< 5 [< 0.3]	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA
Cyclohexane	N	ug/L	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA
Dibromomethane	N	ug/L	NA	NA	< 0.40	NA	NA	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA
Dichloromethane	N	ug/L	NA	NA	< 0.80	< 5 [< 1]	**1**	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA
Ethylbenzene	N	ug/L	NA	NA	< 0.40	< 5	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA
Isopropylbenzene	N	ug/L	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA
m&p-Xylenes	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	N	ug/L	NA	NA	< 4.0	NA	NA	NA	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	NA	NA	< 5 U	NA	NA
Methyl N-Butyl Ketone (2-Hexanone)	N	ug/L	NA	NA	< 4.0	< 10	< 2	< 2 U	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	NA	NA	< 5 U	NA	NA
Methylcyclohexane	N	ug/L	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA
Methyl-tert-butylether	N	ug/L	NA	NA	< 0.80	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA
n-Butylbenzene	N	ug/L	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	N	ug/L	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenolics	N	mg/L	NA	NA	< 0.010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	N	ug/L	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	N	ug/L	NA	NA	< 0.40	< 5	< 1	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA
tert-Butylbenzene	N	ug/L	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	N	ug/L	NA	NA	< 0.40	< 5 [< 0.2]	< 1	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA
Toluene	N	ug/L	NA	NA	< 0.40	< 5	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA
Total Xylenes	N	ug/L	NA	NA	< 0.80	< 5	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 1.5 U	NA	NA
trans-1,2-Dichloroethene	N	ug/L	NA	NA	< 0.40	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA
trans-1,3-Dichloropropene	N	ug/L	NA	NA	< 0.40	< 5 [< 0.3]	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA
trans-1,4-Dichloro-2-butene	N	ug/L	NA	NA	< 1.6	NA	NA	< 1 U	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA
Trichloroethene	N	ug/L	NA	NA	< 0.40	< 5 [< 0.5]	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA
Vinyl acetate	N	ug/L	NA	NA	< 2.0	< 10	< 2	< 4 U	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	NA	NA	< 5 U	NA	NA
Vinyl chloride	N	ug/L	NA	NA	**0.18**	< 10 [< 0.3]	< 2	< 2 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA
Leachate Indicators																						
Ammonia Nitrogen	N	mg/L	NA	NA	**0.25**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromide	N	mg/L	NA	NA	< 0.20	NA	NA	**0.17**	NA	NA	NA	NA	< 0 U	NA	NA	NA	NA	NA	NA	< 0 U	NA	NA
Chloride	N	mg/L	NA	NA	**370**	NA	NA	**22.9**	NA	NA	NA	NA	**22.8 J**	NA	NA	NA	NA	NA	NA	**15.5 J**	NA	NA
Fluoride (F-, Anion)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	N	mg/L	NA	NA	**0.23**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	N	mg/L	NA	NA	**33**	NA	NA	**6.78**	NA	NA	NA	NA	**5.42**	NA	NA	NA	NA	NA	NA	**2.26**	NA	NA
Total Kjeldahl Nitrogen	N	mg/L	NA	NA	**0.43**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorus as PO4	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity	N	mg/L	NA	NA	**230**	NA	NA	**100**	NA	NA	NA	NA	**101 S**	NA	NA	NA	NA	NA	NA	**100 B**	NA	NA
Alkalinity (as CaCO3)	N	mg/L	NA	NA	NA	NA	NA	**133**	NA	NA	NA	NA	**124 B**	NA	NA	NA	NA	NA	NA	**326 B**	NA	NA
Alkalinity, Bicarbonate	N	mg/L	NA	NA	**230**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Carbonate	N	mg/L	NA	NA	< 5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Hydroxide	N	mg/L	NA	NA	< 5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Biological Oxygen Demand	N	mg/L	NA	NA	< 0.59	NA	NA	**2.6**	NA	NA	NA	NA	R	NA	NA	NA	NA	NA	NA	**2.62 B**	NA	NA
Carbon	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CBOD	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chemical Oxygen Demand	N	mg/L	NA	NA	< 20	NA	NA	< 0 U	NA	NA	NA	NA	**15 B**	NA	NA	NA	NA	NA	NA	< 0 U	NA	NA
Color	N	COLOR UNIT	NA	NA	NA	NA	NA	< 0 U	NA	NA	NA	NA	20 B	NA	NA	NA	NA	NA	NA	15	NA	NA
Color	N	PCU	NA	NA	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	N	ug/L	NA	NA	< 5	NA	NA	< 0 U	NA	NA	NA	NA	< 0 U	NA	NA	NA	NA	NA	NA	< 0 U	NA	NA
Hardness (as CaCO3)	N	mg/L	NA	NA	**300**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	N	PH UNITS	NA	NA	NA	6 [6 [6]	7.5 [7.5 [7.6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids	N	mg/L	NA	NA	**890**	NA	NA	**150**	NA	NA	NA	NA	**162 SB**	NA	NA	NA	NA	NA	NA	**141 S**	NA	NA
Total Dissolved Solids	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	NA	NA	NA	NA	NA	**2.2 J**	NA	NA	NA	NA	**0.99 SF**	NA	NA	NA	NA	NA	NA	**2.67 J**	NA	NA
Total Organic Carbon 2	N	mg/L	NA	NA	**1.1**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012
		Sample Date	6/29/2004	9/23/2004	12/16/2004	3/29/2005	6/28/2005	12/14/2005	6/28/2006	1/4/2007	7/11/2007	12/6/2007	6/25/2009	12/8/2009	6/22/2010	12/7/2010	6/22/2011	12/12/2011	6/22/2012	6/20/2013	6/19/2014	7/8/2015
		Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**																				
Metals																						
Aluminum	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	NA	NA	NA	**120 F**	NA	**142 F**	NA	**935 M**	NA	**1970**	NA	**230 J**	NA	**2100**	**190**	**51.7 F**	NA	< 200 U	NA	NA
Antimony	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	NA	NA	NA	< 50 U	NA	< 50 U	NA	< 50 U	NA	< 50 U	NA	**0.88 F**	NA	**3.07**	< 1 U	< 1 U	NA	< 1 U	NA	NA
Arsenic	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	ug/L	NA	NA	NA	**4 F**	NA	< 30 U	NA	< 30 U	NA	< 30 U	NA	**1.2 F**	NA	**78.5 M**	**1.95 J**	**2.11**	NA	**2.3 J**	NA	NA
Barium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	ug/L	NA	NA	NA	**10.3 F**	NA	**12.7 F**	NA	**18.2 F**	NA	**28.2 F**	NA	**17**	NA	**26.9**	**19.2 B**	**12.3**	NA	**15.8**	NA	NA
Beryllium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	NA	NA	NA	< 4 U	NA	< 4 U	NA	< 4 U	NA	**0.16 F**	NA	< 1 U	NA	< 2 U	< 2 U	< 2 U	NA	< 2 U	NA	NA
Boron	T	ug/L	NA	NA	NA	**15 F**	NA	NA	NA	**10 F**	NA	**14.6 F**	NA	**9.9 F**	NA	< 100 U	< 100 U	NA	NA	< 100 U	NA	NA
Cadmium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	ug/L	< 5 U	< 5 U	< 5 U	**1.1 F**	< 5 U	< 5 U	**0.35 F**	< 5 U	< 5 U	< 5 U	**0.064 F**	**0.3 F**	< 0.6 U	< 0.6 U	< 0.6 U	< 0.6 U	< 0.6 U	< 0.6 U	**0.326 F**	< 0.6 U
Calcium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	**29807 M**	**25934 M**	**31583 M**	**33890 M**	**36000 M**	**36300**	**41700**	**40400**	**41000 M**	**49500**	**40000**	**50000 M**	**44800 M**	**39700 M**	**49300 B**	**44400**	**42500 M**	**42000 M**	**54600 M**	**72800 M**
Chromium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	ug/L	NA	NA	NA	**154**	NA	**241 J**	NA	**156**	NA	**23.2**	NA	**20**	NA	**31.8 M**	**190 M**	**246**	NA	**147 M**	**204 M**	**34.9**
Chromium VI	D	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.005 U	NA	< 0.01 U	NA	**0.0109**	NA	NA
Chromium VI	T	mg/L	NA	NA	NA	< 0.5 U	NA	< 0.01 U	NA	< 0.01 U	NA	< 0.01 U	NA	< 0.005 U	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	NA	NA	NA	< 60 U	NA	**2.28 F**	NA	< 60 U	NA	< 60 U	NA	**0.45 F**	NA	**1.73 M**	**2.36**	**2.76**	NA	**1.55 J**	NA	NA
Copper	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	NA	NA	NA	**4 F**	NA	**3.69 F**	NA	**3.89 F**	NA	< 10 U	NA	**1.4**	NA	**2.93 F**	**5 J**	< 5 U	NA	**6.25**	NA	NA
Iron	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	**3189**	**944**	**704 J**	**991**	**970 M**	**1440 J**	**2240**	**2000**	**4930 M**	**2450**	**490 M**	**940**	**2450 M**	**2830 M**	**1750 M**	**1890**	**754 M**	**1280 M**	**2400**	**2740**
Lead	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	ug/L	< 25 U	< 25 U	< 25 U	**0.9 F**	**1.2 F**	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 2 U	**0.4 F**	**2.79**	**3.31**	**0.808 F**	< 1 U	< 1 U	**0.615 F**	**0.786 F**	**1.48**
Magnesium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	**10036**	**9247**	**10356**	**10830**	**12000**	**11800**	**14400**	**14200**	**13500**	**17500**	**14000**	**17000**	**14000 M**	**13000**	**16600 B**	**15000**	**14600 M**	**14700**	**18200 M**	**25100**
Manganese	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	**189**	**149**	**153**	**181**	**110**	**183 J**	**222**	**216**	**326 M**	**256**	**210 M**	**230**	**247 M**	**211 M**	**187 B**	**202**	**77.1 M**	**173 J**	**305**	**351**
Mercury	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	NA	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 0.2 U	NA	< 0.2 U	< 0.2 U	< 0.2 U	NA	< 0.2 U	NA	NA
Nickel	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	NA	NA	NA	**78**	NA	**121 J**	NA	**79.3**	NA	**9.67 F**	NA	**12**	NA	**21.7 M**	**112 M**	**122**	NA	**66.8 M**	NA	NA
Potassium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	**1473**	**1300**	**1471 J**	**1450**	**1400**	**1710 J**	**1710**	**1810 J**	**1820 J**	**2340**	**1500**	**1700**	**2050 M**	**2040**	**2220 B**	**1820**	**1760**	**2150**	**2100 M**	**2280**
Selenium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	NA	NA	NA	< 30 U	NA	< 30 U	NA	< 30 U	NA	< 30 U	NA	< 5 U	NA	< 1 U	< 1 U	NA	NA	< 1 U	NA	NA
Silver	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	NA	NA	NA	**1 F**	NA	**1.03 F**	NA	< 10 U	NA	< 10 U	NA	< 1 UM	NA	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA	NA
Sodium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	**6224 J**	**5279 M**	**6770 M**	**6910**	**6600 M**	**6710**	**7770**	**7900**	**9110 M**	**13000**	**14000 M**	**18000**	**16400 M**	**14900 M**	**18700 B**	**17100**	**19500 M**	**19400**	**30900**	**41500**
Thallium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	NA	NA	NA	< 80 U	NA	< 80 U	NA	< 80 U	NA	< 80 U	NA	< 1 U	NA	< 0.2 UM	< 0.2 U	< 0.2 U	NA	< 0.2 U	NA	NA
Vanadium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	NA	NA	NA	**2 F**	NA	**1.78 F**	NA	**2.69 F**	NA	**3.77 F**	NA	**0.71 F**	NA	**4.46 M**	NA	NA	NA	< 10 UM	NA	NA
Zinc	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	NA	NA	NA	**7 F**	NA	**291**	NA	**28.9**	NA	**27.4 J**	NA	**16 M**	NA	**9.34 F**	**7.83 F**	**11.5 F**	NA	**12.1 F**	NA	NA
Total Recoverable Phenolics	N	mg/L	NA	NA	NA	< 0.005 U	NA	< 0.005 U	NA	< 0.005 U	NA	**0.0017 F**	NA	< 0.05 UM	NA	**0.0227 B**	NA	< 0.005 U	NA	**0.0047 F**	NA	NA
VOCs																						
1,1,1-Trichloroethane	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
1,1,2,2-Tetrachloroethane	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
1,1,2-trichloro-1,2,2-trifluoroethane	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	NA
1,1,2-Trichloroethane	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
1,1-Dichloroethane	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
1,1-Dichloroethene	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
1,2,3-Trichloropropane	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
1,2,3-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
1,2,4-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	N	ug/L	NA	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 2 U	NA	< 2 U	NA	< 2 U	NA	< 2 U	NA	NA
1,2-Dibromoethane	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
1,2-Dichlorobenzene	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
1,2-Dichloroethane	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
1,2-Dichloroethene, Total	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
1,3,5-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
1,3-Dichloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
1,4-Dioxane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	N	ug/L	NA	NA	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 10 U	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012
		Sample Date	6/29/2004	9/23/2004	12/16/2004	3/29/2005	6/28/2005	12/14/2005	6/28/2006	1/4/2007	7/11/2007	12/6/2007	6/25/2009	12/8/2009	6/22/2010	12/7/2010	6/22/2011	12/12/2011	6/22/2012	6/20/2013	6/19/2014	7/8/2015
		Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**																				
2-Chloroethyl vinyl ether	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	N	ug/L	NA	NA	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 10 U	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	NA
Acetone	N	ug/L	NA	NA	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 20 U	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	NA
Acrylonitrile	N	ug/L	NA	NA	NA	< 4 U	NA	< 4 U	NA	< 4 U	NA	< 4 U	NA	< 1 U	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	NA
Benzene	N	ug/L	NA	NA	NA	R	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
Bromochloromethane	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
Bromodichloromethane	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
Bromoform	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
Bromomethane	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
Carbon Disulfide	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
Carbon Tetrachloride	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
CFC-11	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
CFC-12	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1	NA	< 1 U	NA	NA
Chlorobenzene	N	ug/L	NA	NA	NA	R	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
Chlorodibromomethane	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
Chloroethane	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 UM	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
Chloroform	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
Chloromethane	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
cis-1,2-Dichloroethene	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
cis-1,3-Dichloropropene	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
Cyclohexane	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	NA
Dibromomethane	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
Dichloromethane	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
Ethylbenzene	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
Isopropylbenzene	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
m&p-Xylenes	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	N	ug/L	NA	NA	NA	< 5 U	NA	< 5 U	NA	R	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	NA
Methyl N-Butyl Ketone (2-Hexanone)	N	ug/L	NA	NA	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 5 UJ	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	NA
Methylcyclohexane	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	NA
Methyl-tert-butylether	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
n-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenolics	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
tert-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
Toluene	N	ug/L	NA	NA	NA	< 0.5 U	NA	**0.12 F**	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
Total Xylenes	N	ug/L	NA	NA	NA	< 1.5 U	NA	< 1.5 U	NA	< 1.5 U	NA	< 1.5 U	NA	< 3 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
trans-1,2-Dichloroethene	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
trans-1,3-Dichloropropene	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
trans-1,4-Dichloro-2-butene	N	ug/L	NA	NA	NA	< 2 U	NA	< 2 U	NA	< 2 U	NA	< 2 U	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	NA
Trichloroethene	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
Vinyl acetate	N	ug/L	NA	NA	NA	< 2 U	NA	< 2 U	NA	R	NA	< 2 U	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	NA
Vinyl chloride	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
Leachate Indicators																						
Ammonia Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromide	N	mg/L	NA	NA	NA	< 0 U	NA	< 0 UM	NA	< 0 UM	NA	**0.039 F**	NA	< 0 U	NA	< 0 U	NA	< 0 U	NA	< 0.8 U	NA	NA
Chloride	N	mg/L	NA	NA	NA	**32.68 M**	NA	**35 M**	NA	**49 M**	NA	**73 M**	NA	**82**	NA	**90.9 M**	NA	NA	NA	**71.1 J**	NA	NA
Fluoride (F-, Anion)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	N	mg/L	NA	NA	NA	**4.97**	NA	**4.2**	NA	**6.3 M**	NA	**12**	NA	**15 M**	NA	**11.9**	NA	**5.55**	NA	**15.8**	NA	NA
Total Kjeldahl Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorus as PO4	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity	N	mg/L	NA	NA	NA	**104**	NA	**100**	NA	**100**	NA	**110**	NA	NA	NA	**128 M**	NA	**99.5**	NA	**102**	NA	NA
Alkalinity (as CaCO3)	N	mg/L	NA	NA	NA	**128**	NA	**150 B**	NA	**160**	NA	**200**	NA	**237**	NA	**206 M**	NA	**222**	NA	**172**	NA	NA
Alkalinity, Bicarbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Carbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Hydroxide	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Biological Oxygen Demand	N	mg/L	NA	NA	NA	**11.4**	NA	< 0 U	NA	< 0 U	NA	< 0 U	NA	**3.1**	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	NA	NA	NA	NA	NA	**2.09 J**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CBOD	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0 UM	NA	< 0 U	NA	**1.2 F**	NA	NA
Chemical Oxygen Demand	N	mg/L	NA	NA	NA	**8.3 J**	NA	**14**	NA	**7.3 F**	NA	R	NA	**7.9 J**	NA	**22.9 M**	NA	**12.3 F**	NA	< 0 U	NA	NA
Color	N	COLOR UNIT	NA	NA	NA	R	NA	10	NA	10	NA	15	NA	< 0 U	NA	< 0 U	NA	< 0 U	NA	< 0 U	NA	NA
Color	N	PCU	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	N	ug/L	NA	NA	NA	< 0 U	NA	**11**	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	**27**	NA	< 1 U	NA	NA
Hardness (as CaCO3)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	N	PH UNITS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.58	NA	NA	NA	NA
Total Dissolved Solids	N	mg/L	NA	NA	NA	**204**	NA	**220**	NA	**240**	NA	**310**	NA	NA	NA	**316**	NA	**278**	NA	**258**	NA	NA
Total Dissolved Solids	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	NA	NA	NA	**2.4**	NA	NA	NA	**1.1**	NA	**0.98 F**	NA	**1.2 M**	NA	**2.45 M**	NA	**1.84**	NA	**2.23 B**	NA	NA
Total Organic Carbon 2	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-012	MW-23-012	MW-23-012	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013
		Sample Date	8/24/2017	7/31/2018	7/31/2018	1/13/1989	1/13/1989	9/19/1991	4/26/2001	6/21/2001	10/1/2001	12/14/2001	3/18/2002	6/20/2002	9/24/2002	12/18/2002	3/19/2003	6/23/2003	9/24/2003	1/14/2004	3/24/2004	6/29/2004
		Sample Type	N	N	FD	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**																				
Metals																						
Aluminum	D	ug/L	NA	NA	NA	**98**	< 25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	NA	**220**	**52**	NA	NA	NA	**222 J**	NA	NA	NA	NA	**328**	**52.6 F**	< 200 U	NA	NA	**6634 M**	NA	NA	NA
Antimony	D	ug/L	NA	NA	NA	< 43	< 43	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	NA	**0.56**	< 1.0	NA	NA	NA	< 4.1 U	NA	NA	NA	NA	**9.2 F**	**3.1 F**	< 50 U	NA	NA	< 50 U	NA	NA	NA
Arsenic	D	ug/L	NA	NA	NA	**2.4**	**4.7**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	ug/L	NA	**2.5**	**2.3**	NA	NA	NA	< 4.4 U	NA	NA	NA	NA	< 30 U	< 30 U	< 30 U	NA	NA	**9.7 F**	NA	NA	NA
Barium	D	ug/L	NA	NA	NA	**15**	**14**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	ug/L	NA	**18**	**16**	NA	NA	NA	**15.4 B**	NA	NA	NA	NA	**17.2**	**15.5 J**	**14 F**	NA	NA	**63.8**	NA	NA	NA
Beryllium	D	ug/L	NA	NA	NA	**1.4**	< 1.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	NA	< 0.30	< 0.30	NA	NA	NA	< 0.1 U	NA	NA	NA	NA	< 5 U	< 5 U	< 4 U	NA	NA	**0.46 F**	NA	NA	NA
Boron	T	ug/L	NA	< 15	< 15	NA	NA	NA	< 32.4 U	NA	NA	NA	NA	< 110 U	**4.9 F**	< 110 U	NA	NA	**42.9 F**	NA	NA	NA
Cadmium	D	ug/L	NA	NA	NA	< 4.3	< 4.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	ug/L	< 1.0	< 1.0	< 1.0	NA	NA	NA	< 0.4 U	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Calcium	D	ug/L	NA	NA	NA	**29600**	**29700**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	**51000**	**50000**	**50000**	NA	NA	NA	**55100**	**53807 M**	**48571 M**	**46194 J**	**47549 MJ**	**54174 M**	**45038 M**	**50029**	**44148 M**	**50386 M**	**66566**	**50564**	**53418**	**56871 M**
Chromium	D	ug/L	NA	NA	NA	< 5	< 5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	ug/L	**14**	**4.2**	**1.6**	NA	NA	NA	**24.9**	NA	NA	NA	NA	**47.1 J**	**227 J**	**42.9**	NA	NA	**27.8**	NA	NA	NA
Chromium VI	D	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium VI	T	mg/L	NA	< 0.010	< 0.010	NA	NA	NA	< 0.01 U	NA	NA	NA	NA	R	NA	NA	NA	NA	**0.075 M**	NA	NA	NA
Cobalt	D	ug/L	NA	NA	NA	< 2.5	< 2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	NA	**0.16**	< 0.20	NA	NA	NA	< 0.6 U	NA	NA	NA	NA	< 6 U	**1.22 F**	< 60 U	NA	NA	**1.5 F**	NA	NA	NA
Copper	D	ug/L	NA	NA	NA	< 3.1	**13**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	NA	< 1.8	< 1.8	NA	NA	NA	**8.2 B**	NA	NA	NA	NA	< 10 U	< 10 U	< 10 U	NA	NA	**5.2 F**	NA	NA	NA
Iron	D	ug/L	NA	NA	NA	**242**	**164**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	**1800**	**1000**	**760**	NA	NA	NA	**800**	**1487**	**1696**	**855 J**	**764**	**1025 M**	**1862 J**	**706**	**420 J**	**432**	**8313**	**1275**	**1285**	**810**
Lead	D	ug/L	NA	NA	NA	< 0.91	< 0.91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	ug/L	**0.49**	< 0.70	< 0.70	NA	NA	NA	< 2.1 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	**2.8 F**	< 25 U	**5.8 F**	< 25 U	< 25 U	< 25 U
Magnesium	D	ug/L	NA	NA	NA	**9930**	**9760**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	**17000**	**16000**	**16000**	NA	NA	NA	**18500**	**17291**	**15815**	**15942**	**16582**	**18835 M**	**15933**	**17082**	**15032 M**	**17251 M**	**24609**	**17336**	**17790 M**	**19603**
Manganese	D	ug/L	NA	NA	NA	**150**	**149**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	**250**	**210**	**210**	NA	NA	NA	**235**	**240**	**234**	**187 B**	**180**	**228**	**202**	**222**	**106**	**223**	**421**	**233**	**271**	**242**
Mercury	D	ug/L	NA	NA	NA	< 0.2	< 0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	NA	< 0.080	< 0.080	NA	NA	NA	< 0.1 U	NA	NA	NA	NA	< 1 UM	NA	NA	NA	NA	< 1 U	NA	NA	NA
Nickel	D	ug/L	NA	NA	NA	< 24	< 24	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	NA	**1.5**	**0.40**	NA	NA	NA	**12.4 B**	NA	NA	NA	NA	**27.5**	**111 J**	**19 F**	NA	NA	**10.1 F**	NA	NA	NA
Potassium	D	ug/L	NA	NA	NA	< 2360	**2680**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	**2000**	**2200**	**2100**	NA	NA	NA	**1700 J**	**1816 J**	**2176 J**	**1724**	**1682**	**1618**	**1628**	**1325**	**1005**	**1395**	**3674**	**1614**	**1685**	**1505**
Selenium	D	ug/L	NA	NA	NA	**10**	**2.1**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	NA	< 2.0	< 2.0	NA	NA	NA	< 9.9 U	NA	NA	NA	NA	< 30 U	< 30 U	< 30 U	NA	NA	**15.1 F**	NA	NA	NA
Silver	D	ug/L	NA	NA	NA	< 4.3	< 4.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	NA	< 0.10	< 0.10	NA	NA	NA	< 0.9 U	NA	NA	NA	NA	< 10 U	< 10 U	< 10 U	NA	NA	< 10 U	NA	NA	NA
Sodium	D	ug/L	NA	NA	NA	**6780**	**6570**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	**35000**	**36000**	**36000**	NA	NA	NA	**17100**	**19983**	**15807**	**14165**	**14824 M**	**18688 M**	**15262 M**	**16687**	**17791 M**	**15040 M**	**18306**	**19168**	**21076 M**	**22826 J**
Thallium	D	ug/L	NA	NA	NA	< 2	< 2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	NA	< 0.20	< 0.20	NA	NA	NA	< 4.3 U	NA	NA	NA	NA	**8.2 F**	**5.6 F**	**4.1 F**	NA	NA	< 80 U	NA	NA	NA
Vanadium	D	ug/L	NA	NA	NA	< 2.3	< 2.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	NA	< 2.0	< 2.0	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 10 U	< 10 U	< 10 U	NA	NA	**15.7**	NA	NA	NA
Zinc	D	ug/L	NA	NA	NA	**7.4**	**4.7**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	NA	< 8.0	**2.1**	NA	NA	NA	**5.9 B**	NA	NA	NA	NA	**5.8 F**	**10.9**	**6 F**	NA	NA	**17.8 F**	NA	NA	NA
Total Recoverable Phenolics	N	mg/L	NA	NA	NA	NA	NA	NA	< 0.005 UJ	NA	NA	NA	NA	< 0.005 UM	NA	NA	NA	NA	**0.0036 J**	NA	NA	NA
VOCs																						
1,1,1-Trichloroethane	N	ug/L	NA	< 0.40	< 0.40	< 5 [< 0.3]	< 5 [< 0.3]	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
1,1,2,2-Tetrachloroethane	N	ug/L	NA	< 0.80	< 0.80	< 5 [< 0.3]	< 5 [< 0.3]	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
1,1,2-trichloro-1,2,2-trifluoroethane	N	ug/L	NA	< 1.6	< 1.6	< 1	< 1	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
1,1,2-Trichloroethane	N	ug/L	NA	< 0.80	< 0.80	< 5 [< 0.2]	< 5 [< 0.2]	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
1,1-Dichloroethane	N	ug/L	NA	< 0.80	< 0.80	< 5 [< 0.4]	< 5 [< 0.4]	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
1,1-Dichloroethene	N	ug/L	NA	< 0.80	< 0.80	< 5 [< 0.3]	< 5 [< 0.3]	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
1,2,3-Trichloropropane	N	ug/L	NA	< 0.80	< 0.80	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
1,2,3-Trimethylbenzene	N	ug/L	NA	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	N	ug/L	NA	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
1,2,4-Trimethylbenzene	N	ug/L	NA	< 0.40	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	N	ug/L	NA	< 1.6	< 1.6	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA
1,2-Dibromoethane	N	ug/L	NA	< 0.40	< 0.40	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
1,2-Dichlorobenzene	N	ug/L	NA	< 0.40	< 0.40	< 1	< 1	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
1,2-Dichloroethane	N	ug/L	NA	< 0.40	< 0.40	< 5 [< 0.3]	< 5 [< 0.3]	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
1,2-Dichloroethene, Total	N	ug/L	NA	NA	NA	< 5 [< 0.5]	< 5 [< 0.5]	< 1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	N	ug/L	NA	< 0.40	< 0.40	< 5 [< 0.2]	< 5 [< 0.2]	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
1,3,5-Trimethylbenzene	N	ug/L	NA	< 0.40	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	N	ug/L	NA	< 0.40	< 0.40	< 1	< 1	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
1,3-Dichloropropane	N	ug/L	NA	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	N	ug/L	NA	< 0.40	< 0.40	< 1	< 1	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
1,4-Dioxane	N	ug/L	NA	< 160	< 160	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	N	ug/L	NA	< 4.0	< 4.0	**23**	**24**	< 2	NA	NA	NA	NA	NA	< 5 UM	NA	NA	NA	NA	< 5 U	NA	NA	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-012	MW-23-012	MW-23-012	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013
		Sample Date	8/24/2017	7/31/2018	7/31/2018	1/13/1989	1/13/1989	9/19/1991	4/26/2001	6/21/2001	10/1/2001	12/14/2001	3/18/2002	6/20/2002	9/24/2002	12/18/2002	3/19/2003	6/23/2003	9/24/2003	1/14/2004	3/24/2004	6/29/2004
		Sample Type	N	N	FD	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**																					
2-Chloroethyl vinyl ether	N	ug/L	NA	NA	NA	< 0.4	< 0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	N	ug/L	NA	< 3.2	< 3.2	< 10	< 10	< 2	< 2 U	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	< 5 U	NA	NA	NA
Acetone	N	ug/L	NA	**10**	**9.1**	< 10	< 10	< 2	NA	NA	NA	NA	NA	< 10 UM	NA	NA	NA	NA	< 5 U	NA	NA	NA
Acrylonitrile	N	ug/L	NA	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	< 5 U	NA	NA	NA
Benzene	N	ug/L	NA	< 0.40	< 0.40	< 5	< 5	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Bromochloromethane	N	ug/L	NA	NA	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Bromodichloromethane	N	ug/L	NA	< 0.40	< 0.40	< 5 [< 0.4]	< 5 [< 0.4]	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Bromoform	N	ug/L	NA	< 0.40	< 0.40	< 5 [< 0.5]	< 5 [< 0.5]	< 1	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Bromomethane	N	ug/L	NA	< 0.80	< 0.80	< 10 [< 0.5]	< 10 [< 0.5]	< 2	< 2 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Carbon Disulfide	N	ug/L	NA	< 1.6	< 1.6	< 5	< 5	< 1	< 1 U	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Carbon Tetrachloride	N	ug/L	NA	< 0.40	< 0.40	< 5 [< 0.3]	< 5 [< 0.3]	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
CFC-11	N	ug/L	NA	< 0.80	< 0.80	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
CFC-12	N	ug/L	NA	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Chlorobenzene	N	ug/L	NA	< 0.40	< 0.40	< 5 [< 0.4]	< 5 [< 0.4]	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Chlorodibromomethane	N	ug/L	NA	< 0.40	< 0.40	< 5 [< 0.4]	< 5 [< 0.4]	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Chloroethane	N	ug/L	NA	< 1.6	< 1.6	< 10 [< 0.5]	< 10 [< 0.5]	< 2	< 2 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Chloroform	N	ug/L	NA	< 0.40	< 0.40	< 5 [< 0.2]	**< 5 [0.5]**	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Chloromethane	N	ug/L	NA	< 0.80	< 0.80	< 10 [< 0.5]	< 10 [< 0.5]	< 2	< 2 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
cis-1,2-Dichloroethene	N	ug/L	NA	< 0.40	< 0.40	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
cis-1,3-Dichloropropene	N	ug/L	NA	< 0.40	< 0.40	< 5 [< 0.3]	< 5 [< 0.3]	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Cyclohexane	N	ug/L	NA	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Dibromomethane	N	ug/L	NA	< 0.40	< 0.40	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Dichloromethane	N	ug/L	NA	< 0.80	< 0.80	< 5 [< 1]	< 5 [< 1]	< 1	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Ethylbenzene	N	ug/L	NA	< 0.40	< 0.40	< 5	< 5	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Isopropylbenzene	N	ug/L	NA	< 0.40	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
m&p-Xylenes	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	N	ug/L	NA	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	< 5 U	NA	NA	NA
Methyl N-Butyl Ketone (2-Hexanone)	N	ug/L	NA	< 4.0	< 4.0	< 10	< 10	< 2	< 2 U	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	< 5 U	NA	NA	NA
Methylcyclohexane	N	ug/L	NA	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Methyl-tert-butylether	N	ug/L	NA	< 0.80	< 0.80	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
n-Butylbenzene	N	ug/L	NA	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	N	ug/L	NA	< 0.40	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenolics	N	mg/L	NA	< 0.010	< 0.010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	N	ug/L	NA	< 0.40	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	N	ug/L	NA	< 0.40	< 0.40	< 5	< 5	< 1	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
tert-Butylbenzene	N	ug/L	NA	< 0.40	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	N	ug/L	NA	< 0.40	< 0.40	< 5 [< 0.2]	< 5 [< 0.2]	< 1	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Toluene	N	ug/L	NA	< 0.40	< 0.40	< 5	< 5	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Total Xylenes	N	ug/L	NA	< 0.80	< 0.80	< 5	< 5	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 1.5 U	NA	NA	NA
trans-1,2-Dichloroethene	N	ug/L	NA	< 0.40	< 0.40	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
trans-1,3-Dichloropropene	N	ug/L	NA	< 0.40	< 0.40	< 5 [< 0.3]	< 5 [< 0.3]	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
trans-1,4-Dichloro-2-butene	N	ug/L	NA	< 1.6	< 1.6	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Trichloroethene	N	ug/L	NA	< 0.40	< 0.40	< 5 [< 0.5]	< 5 [< 0.5]	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Vinyl acetate	N	ug/L	NA	< 2.0	< 2.0	< 10	< 10	< 2	< 4 U	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	< 5 U	NA	NA	NA
Vinyl chloride	N	ug/L	NA	< 0.20	< 0.20	< 10 [< 0.3]	< 10 [< 0.3]	< 2	< 2 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Leachate Indicators																							
Ammonia Nitrogen	N	mg/L	NA	**0.80**	**0.81**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromide	N	mg/L	NA	< 0.20	< 0.20	NA	NA	NA	**0.29**	NA	NA	NA	NA	< 0 U	NA	NA	NA	NA	< 0 U	NA	NA	NA
Chloride	N	mg/L	NA	**98**	**99**	NA	NA	NA	**66**	NA	NA	NA	NA	**73.2 J**	NA	NA	NA	NA	**90 J**	NA	NA	NA
Fluoride (F-, Anion)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	N	mg/L	NA	< 0.10	< 0.10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	N	mg/L	NA	**9.0**	**17**	NA	NA	NA	**12.9**	NA	NA	NA	NA	**13**	NA	NA	NA	NA	**15.2**	NA	NA	NA
Total Kjeldahl Nitrogen	N	mg/L	NA	**1.3**	**0.93**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorus as PO4	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity	N	mg/L	NA	**110**	**110**	NA	NA	NA	**120**	NA	NA	NA	NA	**127 S**	NA	NA	NA	NA	**140 B**	NA	NA	NA
Alkalinity (as CaCO3)	N	mg/L	NA	NA	NA	NA	NA	NA	**196**	NA	NA	NA	NA	**213 B**	NA	NA	NA	NA	**447 B**	NA	NA	NA
Alkalinity, Bicarbonate	N	mg/L	NA	**110**	**110**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Carbonate	N	mg/L	NA	< 5.0	< 5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Hydroxide	N	mg/L	NA	< 5.0	< 5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Biological Oxygen Demand	N	mg/L	NA	**1.8**	< 0.59	NA	NA	NA	< 0 UJ	NA	NA	NA	NA	R	NA	NA	NA	NA	**12 B**	NA	NA	NA
Carbon	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CBOD	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chemical Oxygen Demand	N	mg/L	NA	< 10	< 10	NA	NA	NA	< 0 U	NA	NA	NA	NA	**35 B**	NA	NA	NA	NA	< 0 U	NA	NA	NA
Color	N	COLOR UNIT	NA	NA	NA	NA	NA	NA	< 0 U	NA	NA	NA	NA	15 B	NA	NA	NA	NA	10	NA	NA	NA
Color	N	PCU	NA	10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	N	ug/L	NA	< 5	< 5	NA	NA	NA	< 0 U	NA	NA	NA	NA	< 0 U	NA	NA	NA	NA	< 0 U	NA	NA	NA
Hardness (as CaCO3)	N	mg/L	NA	**180**	**180**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	N	PH UNITS	NA	NA	NA	6 [5.5]	NA	6.4 [6.8 [7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids	N	mg/L	NA	**290**	**300**	NA	NA	NA	**260**	NA	NA	NA	NA	**318 SB**	NA	NA	NA	NA	**326 S**	NA	NA	NA
Total Dissolved Solids	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	NA	NA	NA	NA	NA	NA	**3.1 J**	NA	NA	NA	NA	**2.07 S**	NA	NA	NA	NA	**1.17 J**	NA	NA	NA
Total Organic Carbon 2	N	mg/L	NA	< 0.50	< 0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013
		Sample Date	9/23/2004	12/20/2004	3/29/2005	6/28/2005	12/15/2005	6/28/2006	1/4/2007	7/12/2007	12/6/2007	6/25/2009	12/10/2009	6/21/2010	6/21/2010	12/8/2010	6/21/2011	12/13/2011	12/13/2011	6/20/2012	6/18/2013	6/23/2014
		Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N
Chemical	**Fraction**	**Unit**																				
Metals																						
Aluminum	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	NA	NA	**790**	NA	**135 F**	NA	**546 M**	NA	**2770**	NA	**210 J**	NA	NA	**384**	**67.4 F**	**215**	**164**	NA	< 200 U	NA
Antimony	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	NA	NA	< 50 U	NA	< 50 U	NA	< 50 U	NA	< 50 U	NA	**0.43 F**	NA	NA	**1.69**	< 1 U	< 1 U	**0.503 F**	NA	**0.666 F**	NA
Arsenic	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	ug/L	NA	NA	< 30 U	NA	< 30 U	NA	< 30 U	NA	< 30 U	NA	< 5 U	NA	NA	**0.62 M**	< 1 UJ	< 1 U	< 1 U	NA	**1.7 J**	NA
Barium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	ug/L	NA	NA	**20.4 F**	NA	**13.4 F**	NA	**21.4 F**	NA	**37.5 F**	NA	**23**	NA	NA	**20.6**	**22.4 B**	**19.1**	**18.9**	NA	**34.7**	NA
Beryllium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	NA	NA	< 4 U	NA	< 4 U	NA	< 4 U	NA	**0.18 F**	NA	< 1 U	NA	NA	< 2 U	< 2 U	< 2 U	< 2 U	NA	< 2 U	NA
Boron	T	ug/L	NA	NA	**5 F**	NA	NA	NA	**4.44 F**	NA	**10 F**	NA	**7.5 F**	NA	NA	< 100 U	< 100 U	< 100 U	< 100 U	NA	< 100 U	NA
Cadmium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	ug/L	< 5 U	**0.29 F**	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	**0.32 F**	< 1 U	NA	< 0.6 U	< 0.6 U	**0.373 F**	< 0.6 U	< 0.6 U	**0.335 F**	< 0.6 U	< 0.6 U
Calcium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	**43929 M**	**45860 M**	**59300 M**	**48000 M**	**46500**	**62100**	**60900**	**57000 M**	**67600**	**53000**	**71000 M**	**67900 M**	NA	**75300 M**	**71200 B**	**72100**	**71900**	**65900 M**	**58600 M**	**62900 M**
Chromium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	ug/L	NA	NA	**55**	NA	**137**	NA	**63.4**	NA	**17.9**	NA	**12**	NA	NA	**8.15 M**	NA	**49.6**	**45**	NA	**279 M**	**46.9 M**
Chromium VI	D	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.005 U	NA	< 0.01 U	< 0.01 U	NA	**0.103**	NA
Chromium VI	T	mg/L	NA	NA	< 0.5 U	NA	**0.01**	NA	< 0.01 U	NA	< 0.01 U	NA	**0.0007 F**	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	NA	NA	< 60 U	NA	< 60 U	NA	< 60 U	NA	< 60 U	NA	**0.33 F**	NA	NA	< 1 UM	< 1 U	**0.608 F**	**0.562 F**	NA	**3.42 J**	NA
Copper	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	NA	NA	< 10 U	NA	< 10 U	NA	**4.95 F**	NA	**1.98 F**	NA	**0.89 F**	NA	NA	**3.18 F**	< 5 UJ	< 5 U	< 5 U	NA	**5.77**	NA
Iron	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	**644**	**629 J**	**1557**	**2200 M**	**1400**	**1230**	**1540**	**3580 M**	**3380**	**2600 M**	**820**	**723 M**	NA	**1050 M**	**838 M**	**1010**	**880**	**1810 M**	**5070 M**	**1360**
Lead	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	ug/L	< 25 U	< 25 U	**1.2 F**	**0.98 F**	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	**1 F**	**0.33 F**	NA	< 1 U	**1.54**	< 1 U	< 1 U	< 1 U	**0.881 F**	**0.819 F**	< 1 U
Magnesium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	**15850**	**15269**	**20450**	**17000**	**16000**	**21500**	**21200**	**20000**	**23900**	**18000**	**25000**	**22000 M**	NA	**23000**	**23900 B**	**25300**	**24900**	**22100 M**	**19800**	**21500 M**
Manganese	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	**187**	**191 J**	**258**	**230**	**180**	**262**	**268**	**666 M**	**317**	**690 M**	**300**	**214 M**	NA	**297 M**	**193 B**	**291**	**292**	**603 M**	**1450 J**	**378**
Mercury	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 0.2 U	NA	NA	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	NA	< 0.2 U	NA
Nickel	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	NA	NA	**28**	NA	**65.9**	NA	**33.8**	NA	**7.65 F**	NA	**8.8**	NA	NA	**6.24 M**	**21.7 M**	**26.5**	**24.3**	NA	**154 M**	NA
Potassium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	**1364**	**1365 J**	**1700**	**1400**	**1600 J**	**1690**	**1850 J**	**1850 J**	**2740**	**1700**	**1800**	**1790 M**	NA	**1960**	**2070 B**	**2140**	**2050**	**1900**	**1830**	**2150 M**
Selenium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	NA	NA	< 30 U	NA	< 30 U	NA	< 30 U	NA	< 30 U	NA	< 5 U	NA	NA	< 1 U	< 1 U	**0.586 F**	< 1 U	NA	**0.7 F**	NA
Silver	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	NA	NA	< 10 U	NA	< 10 U	NA	< 10 U	NA	< 10 U	NA	< 1 UM	NA	NA	< 1 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
Sodium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	**16262 M**	**14292 M**	**24200**	**18000 M**	**16900 J**	**28100**	**25500**	**27400 M**	**33300**	**29000 M**	**43000**	**42100 M**	NA	**50400 M**	**40900 B**	**62000**	**62200**	**49600 M**	**44800**	**59800**
Thallium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	NA	NA	< 80 U	NA	< 80 U	NA	< 80 U	NA	< 80 U	NA	< 1 U	NA	NA	< 0.2 UM	< 0.2 U	NA	NA	NA	< 0.2 U	NA
Vanadium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	NA	NA	**2 F**	NA	< 10 U	NA	**1.82 F**	NA	**5.57 F**	NA	**0.4 F**	NA	NA	**0.875 M**	NA	NA	NA	NA	< 20 UM	NA
Zinc	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	NA	NA	**8 F**	NA	**17.1 J**	NA	**14.3 F**	NA	**43 J**	NA	**7.1 M**	NA	NA	**11.9 F**	**7.52 F**	< 20 U	< 20 U	NA	**8.22 F**	NA
Total Recoverable Phenolics	N	mg/L	NA	NA	< 0.005 U	NA	< 0.005 U	NA	< 0.005 U	NA	**0.0011 F**	NA	< 0.05 UM	NA	NA	**0.0054 F**	NA	< 0.005 U	< 0.005 U	NA	< 0.005 U	NA
VOCs																						
1,1,1-Trichloroethane	N	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	< 1 U	NA	< 1 U	NA
1,1,2,2-Tetrachloroethane	N	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	< 1 U	NA	< 1 U	NA
1,1,2-trichloro-1,2,2-trifluoroethane	N	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 5 U	NA	< 5 U	< 5 U	NA	< 5 U	NA
1,1,2-Trichloroethane	N	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	< 1 U	NA	< 1 U	NA
1,1-Dichloroethane	N	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	< 1 U	NA	< 1 U	NA
1,1-Dichloroethene	N	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	< 1 U	NA	< 1 U	NA
1,2,3-Trichloropropane	N	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	< 1 U	NA	< 1 U	NA
1,2,3-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	N	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 UJ	NA	NA	< 1 U	NA	< 1 U	< 1 U	NA	< 1 U	NA
1,2,4-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	N	ug/L	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 2 U	NA	NA	< 2 U	NA	< 2 U	< 2 U	NA	< 2 U	NA
1,2-Dibromoethane	N	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	< 1 U	NA	< 1 U	NA
1,2-Dichlorobenzene	N	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	< 1 U	NA	< 1 U	NA
1,2-Dichloroethane	N	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	< 1 U	NA	< 1 U	NA
1,2-Dichloroethene, Total	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	N	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	< 1 U	NA	< 1 U	NA
1,3,5-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	N	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	< 1 U	NA	< 1 U	NA
1,3-Dichloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	N	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	< 1 U	NA	< 1 U	NA
1,4-Dioxane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	N	ug/L	NA	NA	< 5 U	NA	R	NA	< 5 U	NA	< 5 U	NA	< 10 U	NA	NA	< 5 U	NA	< 5 U	< 5 U	NA	< 5 U	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013
		Sample Date	9/23/2004	12/20/2004	3/29/2005	6/28/2005	12/15/2005	6/28/2006	1/4/2007	7/12/2007	12/6/2007	6/25/2009	12/10/2009	6/21/2010	6/21/2010	12/8/2010	6/21/2011	12/13/2011	12/13/2011	6/20/2012	6/18/2013	6/23/2014
		Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N
Chemical	**Fraction**	**Unit**																				
2-Chloroethyl vinyl ether	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	N	ug/L	NA	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 10 U	NA	NA	< 5 U	NA	< 5 U	< 5 U	NA	< 5 U	NA
Acetone	N	ug/L	NA	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 20 U	NA	NA	< 5 U	NA	< 5 U	< 5 U	NA	< 5 U	NA
Acrylonitrile	N	ug/L	NA	NA	< 4 U	NA	< 4 U	NA	< 4 U	NA	< 4 U	NA	< 1 U	NA	NA	< 5 U	NA	< 5 U	< 5 U	NA	< 5 U	NA
Benzene	N	ug/L	NA	NA	R	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	< 1 U	NA	< 1 U	NA
Bromochloromethane	N	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	< 1 U	NA	< 1 U	NA
Bromodichloromethane	N	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	< 1 U	NA	< 1 U	NA
Bromoform	N	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	< 1 U	NA	< 1 U	NA
Bromomethane	N	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	< 1 U	NA	< 1 U	NA
Carbon Disulfide	N	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 5 U	NA	NA	< 1 U	NA	< 1 U	< 1 U	NA	< 1 U	NA
Carbon Tetrachloride	N	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	< 1 U	NA	< 1 U	NA
CFC-11	N	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	< 1 U	NA	< 1 U	NA
CFC-12	N	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1	< 1	NA	< 1 U	NA
Chlorobenzene	N	ug/L	NA	NA	R	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	< 1 U	NA	< 1 U	NA
Chlorodibromomethane	N	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	< 1 U	NA	< 1 U	NA
Chloroethane	N	ug/L	NA	NA	< 0.5 U	NA	R	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	< 1 U	NA	< 1 U	NA
Chloroform	N	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	< 1 U	NA	< 1 U	NA
Chloromethane	N	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	< 1 U	NA	< 1 U	NA
cis-1,2-Dichloroethene	N	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	< 1 U	NA	< 1 U	NA
cis-1,3-Dichloropropene	N	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	< 1 U	NA	< 1 U	NA
Cyclohexane	N	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 5 U	NA	NA	< 5 U	NA	< 5 U	< 5 U	NA	< 5 U	NA
Dibromomethane	N	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	< 1 U	NA	< 1 U	NA
Dichloromethane	N	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 5 U	NA	NA	< 1 U	NA	< 1 U	< 1 U	NA	< 1 U	NA
Ethylbenzene	N	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	< 1 U	NA	< 1 U	NA
Isopropylbenzene	N	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	< 1 U	NA	< 1 U	NA
m&p-Xylenes	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	N	ug/L	NA	NA	< 5 U	NA	< 5 U	NA	R	NA	< 5 U	NA	< 5 U	NA	NA	< 5 U	NA	< 5 U	< 5 U	NA	< 5 U	NA
Methyl N-Butyl Ketone (2-Hexanone)	N	ug/L	NA	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	NA	< 5 U	NA	< 5 U	< 5 U	NA	< 5 U	NA
Methylcyclohexane	N	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 5 U	NA	NA	< 5 U	NA	< 5 U	< 5 U	NA	< 5 U	NA
Methyl-tert-butylether	N	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	< 1 U	NA	< 1 U	NA
n-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenolics	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	N	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	< 1 U	NA	< 1 U	NA
tert-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	N	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	< 1 U	NA	< 1 U	NA
Toluene	N	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	NA	**0.15 F**	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	< 1 U	NA	< 1 U	NA
Total Xylenes	N	ug/L	NA	NA	< 1.5 U	NA	< 1.5 U	NA	< 1.5 U	NA	< 1.5 U	NA	< 3 U	NA	NA	< 1 U	NA	< 1 U	< 1 U	NA	< 1 U	NA
trans-1,2-Dichloroethene	N	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	< 1 U	NA	< 1 U	NA
trans-1,3-Dichloropropene	N	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	< 1 U	NA	< 1 U	NA
trans-1,4-Dichloro-2-butene	N	ug/L	NA	NA	< 2 U	NA	< 2 U	NA	< 2 U	NA	< 2 U	NA	< 5 U	NA	NA	< 5 UJ	NA	< 5 U	< 5 U	NA	< 5 U	NA
Trichloroethene	N	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	< 1 U	NA	< 1 U	NA
Vinyl acetate	N	ug/L	NA	NA	< 2 U	NA	R	NA	R	NA	< 2 U	NA	< 5 U	NA	NA	< 5 UJ	NA	< 5 U	< 5 U	NA	< 5 U	NA
Vinyl chloride	N	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	< 1 U	NA	< 1 U	NA
Leachate Indicators																						
Ammonia Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromide	N	mg/L	NA	NA	< 0 U	NA	< 0 M	NA	< 0 UM	NA	< 0 U	NA	< 0 U	NA	NA	< 0 U	NA	< 0 U	< 0 U	NA	< 0.2 U	NA
Chloride	N	mg/L	NA	NA	**100 M**	NA	**97 M**	NA	**110 M**	NA	**120 M**	NA	**190**	NA	NA	**167 M**	NA	NA	NA	NA	**136 J**	NA
Fluoride (F-, Anion)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	N	mg/L	NA	NA	**17.65**	NA	**15 J**	NA	**19 M**	NA	**21**	NA	**24 M**	NA	NA	**23.1**	NA	**22.2**	**22**	NA	**17.5**	NA
Total Kjeldahl Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorus as PO4	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity	N	mg/L	NA	NA	**130**	NA	**120**	NA	**120**	NA	**140**	NA	NA	NA	NA	**139 M**	NA	**140**	**142**	NA	**141**	NA
Alkalinity (as CaCO3)	N	mg/L	NA	NA	**240**	NA	**190 B**	NA	**240**	NA	**260**	NA	**270**	NA	NA	**282 M**	NA	**284**	**268**	NA	**246**	NA
Alkalinity, Bicarbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Carbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Hydroxide	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Biological Oxygen Demand	N	mg/L	NA	NA	**6.2**	NA	R	NA	**9.1**	NA	< 0 U	NA	**4.6**	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	NA	NA	NA	NA	**1.79 B**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CBOD	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**1.13 M**	NA	**2.2 F**	**1.61 F**	NA	**2.31 F**	NA
Chemical Oxygen Demand	N	mg/L	NA	NA	**10.6 J**	NA	**14 J**	NA	**22**	NA	**6.3 J**	NA	**13 J**	NA	NA	**46.4 M**	NA	< 0 U	< 0 U	NA	**13.4 M**	NA
Color	N	COLOR UNIT	NA	NA	R	NA	R	NA	10	NA	10	NA	< 0 U	NA	NA	20	NA	< 0 U	< 0 U	NA	< 0 U	NA
Color	N	PCU	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	N	ug/L	NA	NA	< 0 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	< 1 U	NA	**5.8 F**	< 1 U	NA	< 1 U	NA
Hardness (as CaCO3)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	N	PH UNITS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.12	7.09	NA	NA	NA
Total Dissolved Solids	N	mg/L	NA	NA	**362**	NA	**210**	NA	**420**	NA	**400**	NA	NA	NA	NA	**446**	NA	**452**	**480**	NA	**428**	NA
Total Dissolved Solids	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	NA	NA	**1.7**	NA	NA	NA	**5.2**	NA	**0.9 F**	NA	**1.2 M**	NA	NA	**2.53 M**	NA	**5.41**	**4.54**	NA	**3.78 B**	NA
Total Organic Carbon 2	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-013	MW-23-013	MW-23-013	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101
		Sample Date	7/8/2015	8/24/2017	7/31/2018	4/24/2001	6/27/2001	10/2/2001	12/17/2001	3/21/2002	6/21/2002	9/19/2002	12/16/2002	3/24/2003	6/24/2003	9/29/2003	1/19/2004	3/25/2004	6/30/2004	9/28/2004	12/29/2004	3/30/2005
		Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**																				
Metals																						
Aluminum	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	NA	NA	< 70	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	NA	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	ug/L	NA	NA	**0.41**	< 4.4 U	< 30 U	< 30 U	< 30 U	**8.6 F**	< 30 U	< 30 U	< 30 U	**25.5 F**	< 30 U	< 30 U	**13.1 F**	**7.5 F**	**16.5 F**	< 30 U	< 30 U	< 30 U
Barium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	ug/L	NA	NA	**17**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	NA	NA	< 0.30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Boron	T	ug/L	NA	NA	< 15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	ug/L	< 0.6 U	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	**58300 M**	**60000**	**62000**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	ug/L	**6.73**	**6.7**	**9.1**	**3.9 B**	**2.3 F**	**3.6 F**	< 10 U	**2.4 F**	< 10 U	**46.7 B**	**1.3 F**	**4.7 F**	< 10 U	**7.8 F**	**2 F**	**1.6 F**	**1 F**	**3 F**	**0.7 F**	**2 F**
Chromium VI	D	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium VI	T	mg/L	NA	NA	< 0.010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	NA	NA	**0.35**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	NA	NA	< 1.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	**472**	**500**	**350**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	ug/L	< 1 U	< 0.70	< 0.70	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	**19500**	**20000**	**21000**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	**217**	**180**	**230**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	NA	NA	< 0.080	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	NA	NA	**26**	< 2.7 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	**24.9 B**	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	**1.7 F**	< 20 U	< 20 U
Potassium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	**1710**	**1600**	**1800**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	NA	NA	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	NA	NA	< 0.10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	**63100**	**62000**	**59000**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	NA	NA	< 0.20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	NA	NA	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	NA	NA	< 8.0	**4.3 B**	< 10 U	**5.1 F**	**7.4 F**	< 10 U	< 10 U	**4.3 F**	< 20 U	< 20 U	< 20 U	**2.4 F**	**5.4 F**	**2.4 F**	< 20 U	**2.7 F**	< 20 U	**10 F**
Total Recoverable Phenolics	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs																						
1,1,1-Trichloroethane	N	ug/L	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	N	ug/L	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-trichloro-1,2,2-trifluoroethane	N	ug/L	NA	NA	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	N	ug/L	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	N	ug/L	NA	NA	< 0.80	< 1 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,1-Dichloroethene	N	ug/L	NA	NA	< 0.80	< 1 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	**0.13 F**	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,2,3-Trichloropropane	N	ug/L	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trimethylbenzene	N	ug/L	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	N	ug/L	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	N	ug/L	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	N	ug/L	NA	NA	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane	N	ug/L	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	N	ug/L	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	N	ug/L	NA	NA	< 0.40	< 1 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,2-Dichloroethene, Total	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	N	ug/L	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	N	ug/L	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	N	ug/L	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichloropropane	N	ug/L	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	N	ug/L	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dioxane	N	ug/L	NA	NA	< 160	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	N	ug/L	NA	NA	< 4.0	NA	< 5 U	< 5 UM	< 5 UM	< 5 U	< 5 U	< 5 UM	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-013	MW-23-013	MW-23-013	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101
		Sample Date	7/8/2015	8/24/2017	7/31/2018	4/24/2001	6/27/2001	10/2/2001	12/17/2001	3/21/2002	6/21/2002	9/19/2002	12/16/2002	3/24/2003	6/24/2003	9/29/2003	1/19/2004	3/25/2004	6/30/2004	9/28/2004	12/29/2004	3/30/2005
		Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**																				
2-Chloroethyl vinyl ether	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	N	ug/L	NA	NA	< 3.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	N	ug/L	NA	NA	**12**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acrylonitrile	N	ug/L	NA	NA	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	N	ug/L	NA	NA	< 0.40	< 1 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Bromochloromethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	N	ug/L	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	N	ug/L	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane	N	ug/L	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Disulfide	N	ug/L	NA	NA	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	N	ug/L	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CFC-11	N	ug/L	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CFC-12	N	ug/L	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	N	ug/L	NA	NA	< 0.40	< 1 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Chlorodibromomethane	N	ug/L	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane	N	ug/L	NA	NA	< 1.6	< 2 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Chloroform	N	ug/L	NA	NA	< 0.40	< 1 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Chloromethane	N	ug/L	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	N	ug/L	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	N	ug/L	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyclohexane	N	ug/L	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromomethane	N	ug/L	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichloromethane	N	ug/L	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	N	ug/L	NA	NA	< 0.40	< 1 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Isopropylbenzene	N	ug/L	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m&p-Xylenes	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	N	ug/L	NA	NA	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl N-Butyl Ketone (2-Hexanone)	N	ug/L	NA	NA	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylcyclohexane	N	ug/L	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl-tert-butylether	N	ug/L	NA	NA	< 0.80	< 1 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	**0.07 F**	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
n-Butylbenzene	N	ug/L	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	N	ug/L	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenolics	N	mg/L	NA	NA	< 0.010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	N	ug/L	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	N	ug/L	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
tert-Butylbenzene	N	ug/L	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	N	ug/L	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	N	ug/L	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Xylenes	N	ug/L	NA	NA	< 0.80	< 1 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U
trans-1,2-Dichloroethene	N	ug/L	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	N	ug/L	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,4-Dichloro-2-butene	N	ug/L	NA	NA	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	N	ug/L	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl acetate	N	ug/L	NA	NA	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	N	ug/L	NA	NA	< 0.20	< 2 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Leachate Indicators																						
Ammonia Nitrogen	N	mg/L	NA	NA	**0.29**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromide	N	mg/L	NA	NA	< 0.20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloride	N	mg/L	NA	NA	**140**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoride (F-, Anion)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	N	mg/L	NA	NA	**0.19**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	N	mg/L	NA	NA	**15**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Kjeldahl Nitrogen	N	mg/L	NA	NA	**0.89**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorus as PO4	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity	N	mg/L	NA	NA	**130**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity (as CaCO3)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Bicarbonate	N	mg/L	NA	NA	**130**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Carbonate	N	mg/L	NA	NA	< 5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Hydroxide	N	mg/L	NA	NA	< 5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Biological Oxygen Demand	N	mg/L	NA	NA	**3.5**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CBOD	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chemical Oxygen Demand	N	mg/L	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Color	N	COLOR UNIT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Color	N	PCU	NA	NA	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	N	ug/L	NA	NA	**11**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hardness (as CaCO3)	N	mg/L	NA	NA	**220**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	N	PH UNITS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids	N	mg/L	NA	NA	**400**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon 2	N	mg/L	NA	NA	**1.3**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101
		Sample Date	6/29/2005	9/21/2005	9/21/2005	12/20/2005	3/23/2006	6/22/2006	9/13/2006	12/28/2006	3/29/2007	7/12/2007	10/29/2007	12/11/2007	3/26/2009	6/29/2009	9/2/2009	12/9/2009	3/18/2010	6/23/2010	6/23/2010	9/8/2010
		Sample Type	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**																				
Metals																						
Aluminum	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	ug/L	< 30 U	< 30 U	< 30 U	**2.3 F**	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 5 U	< 5 U	< 3 U	< 5 U	**115 J**	NA	< 1 U
Barium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Boron	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	ug/L	**3.4 F**	**4.6 F**	**4.2 F**	**2.6 F**	< 10 U	**1.34 F**	**3.9 F**	**1.9 F**	**3.8 F**	**2.7 F**	**2.4 F**	< 10 U	**3.2 F**	**1.1 F**	**0.61 F**	**1.4 F**	**0.86 F**	NA	**3.48**	**1.7 F**
Chromium VI	D	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium VI	T	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	< 20 U	**1.3 F**	< 20 U	**1.9 F**	< 20 U	< 20 U	< 20 U	**1.5 F**	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	**1.2 F**	**1.5 F**	**0.59 F**	**0.45 F**	NA	**3.63 F**	**2.52 F**
Potassium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	**3.2 F**	**43 B**	**20 B**	**4.7 F**	**26.9**	**19.1 F**	**4.1 F**	**13 F**	**3 F**	**6.3 F**	< 20 U	**32 B**	**11 F**	< 10 UJ	**3.4 F**	**5.7 F**	**3.3 F**	NA	**6.03 F**	**5.33 F**
Total Recoverable Phenolics	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs																						
1,1,1-Trichloroethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-trichloro-1,2,2-trifluoroethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	< 1 U
1,1-Dichloroethene	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	< 1 U
1,2,3-Trichloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	< 1 U
1,2-Dichloroethene, Total	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dioxane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	N	ug/L	< 5	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	R	< 5 U	< 10 U	< 10 U	< 10 U	< 10 U	NA	< 5 U	< 5 U

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101
		Sample Date	6/29/2005	9/21/2005	9/21/2005	12/20/2005	3/23/2006	6/22/2006	9/13/2006	12/28/2006	3/29/2007	7/12/2007	10/29/2007	12/11/2007	3/26/2009	6/29/2009	9/2/2009	12/9/2009	3/18/2010	6/23/2010	6/23/2010	9/8/2010
		Sample Type	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**																				
2-Chloroethyl vinyl ether	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acrylonitrile	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	**0.22 F**	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	< 1 U
Bromochloromethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Disulfide	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CFC-11	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CFC-12	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	< 1 U
Chlorodibromomethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	< 1 U
Chloroform	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	< 1 U
Chloromethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyclohexane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromomethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichloromethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	< 1 U
Isopropylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m&p-Xylenes	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl N-Butyl Ketone (2-Hexanone)	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylcyclohexane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl-tert-butylether	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	< 1 U
n-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenolics	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
tert-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Xylenes	N	ug/L	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	**0.19 F**	< 1.5 U	< 3 U	< 3 U	< 3 U	< 3 U	NA	< 1 U	< 1 U
trans-1,2-Dichloroethene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,4-Dichloro-2-butene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl acetate	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	< 1 U
Leachate Indicators																						
Ammonia Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromide	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloride	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoride (F-, Anion)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Kjeldahl Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorus as PO4	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity (as CaCO3)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Bicarbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Carbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Hydroxide	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Biological Oxygen Demand	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CBOD	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chemical Oxygen Demand	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Color	N	COLOR UNIT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Color	N	PCU	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hardness (as CaCO3)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	N	PH UNITS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon 2	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102
		Sample Date	12/8/2010	12/8/2010	3/29/2011	6/23/2011	9/12/2011	12/12/2011	12/12/2011	3/12/2012	6/19/2012	9/12/2012	9/12/2012	4/24/2001	4/24/2001	6/27/2001	6/27/2001	10/2/2001	10/2/2001	12/17/2001	3/21/2002	6/21/2002
		Sample Type	N	FD	N	N	N	N	N	N	N	N	FD	N	FD	N	FD	N	FD	N	N	N
Chemical	**Fraction**	**Unit**																				
Metals																						
Aluminum	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	ug/L	< 1 U	< 1 U	**0.546 F**	< 1 U	< 1 U	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 4.4 U	< 4.4 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	**5.1 F**	**5.7 F**
Barium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Boron	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	ug/L	**3.88**	**3.12**	**3.58**	NA	**5.05**	NA	**2.93**	**1.9 F**	**2.12**	**1.28 F**	**1.46 F**	**2.3 B**	**2.2 B**	< 10 U	**2.25 F**	**4.3 F**	**2.3 F**	< 10 U	< 10 U	< 10 U
Chromium VI	D	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium VI	T	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	**2.74 F**	**2.87 F**	**2.89 F**	< 4 U	**3.01 F**	NA	**2.1 F**	< 4 U	**6.02**	**2.86 F**	**2.58 F**	< 2.7 U	< 2.7 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
Potassium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	**6.37 F**	**5.97 F**	< 20 U	< 20 U	< 20 U	NA	< 20 U	< 20 U	**8.79 F**	< 20 U	< 20 U	**3.5 BJ**	**31.4 J**	< 10 U	< 10 U	**8.2 F**	**4.5 F**	< 10 U	< 10 U	< 10 U
Total Recoverable Phenolics	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs																						
1,1,1-Trichloroethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-trichloro-1,2,2-trifluoroethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,1-Dichloroethene	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,2,3-Trichloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,2-Dichloroethene, Total	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dioxane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	N	ug/L	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	NA	< 5 U	< 5 UJ	< 5 U	< 5 U	< 5 U	NA	NA	< 5 U	< 5 U	< 5 UM	< 5 UM	< 5 UM	< 5 U	< 5 U

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102
		Sample Date	12/8/2010	12/8/2010	3/29/2011	6/23/2011	9/12/2011	12/12/2011	12/12/2011	3/12/2012	6/19/2012	9/12/2012	9/12/2012	4/24/2001	4/24/2001	6/27/2001	6/27/2001	10/2/2001	10/2/2001	12/17/2001	3/21/2002	6/21/2002
		Sample Type	N	FD	N	N	N	N	N	N	N	N	FD	N	FD	N	FD	N	FD	N	N	N
Chemical	**Fraction**	**Unit**																				
2-Chloroethyl vinyl ether	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acrylonitrile	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Bromochloromethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Disulfide	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CFC-11	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CFC-12	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Chlorodibromomethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Chloroform	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Chloromethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyclohexane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromomethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichloromethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Isopropylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m&p-Xylenes	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl N-Butyl Ketone (2-Hexanone)	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylcyclohexane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl-tert-butylether	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
n-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenolics	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
tert-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Xylenes	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
trans-1,2-Dichloroethene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,4-Dichloro-2-butene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl acetate	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Leachate Indicators																						
Ammonia Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromide	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloride	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoride (F-, Anion)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Kjeldahl Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorus as PO4	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity (as CaCO3)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Bicarbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Carbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Hydroxide	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Biological Oxygen Demand	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CBOD	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chemical Oxygen Demand	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Color	N	COLOR UNIT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Color	N	PCU	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hardness (as CaCO3)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	N	PH UNITS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon 2	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102
		Sample Date	6/21/2002	9/19/2002	12/16/2002	3/24/2003	6/24/2003	9/29/2003	9/29/2003	1/19/2004	1/19/2004	3/25/2004	3/25/2004	6/30/2004	6/30/2004	9/28/2004	9/28/2004	12/29/2004	12/29/2004	3/30/2005	3/30/2005	6/29/2005
		Sample Type	FD	N	N	N	N	N	FD	N	FD	N	FD	N	FD	N	FD	N	FD	N	FD	N
Chemical	**Fraction**	**Unit**																				
Metals																						
Aluminum	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	ug/L	**5 F**	< 30 U	< 30 U	**24.3 F**	< 30 U	< 30 U	< 30 U	**14.8 F**	**18.6 F**	**12.4 F**	**11.2 F**	**7.7 F**	**11.6 F**	**4.8 F**	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U
Barium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Boron	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	ug/L	< 10 U	**1.3 F**	< 10 U	**4 F**	< 10 U	**6.2 F**	**6.4 F**	**1.1 F**	**1.6 F**	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	**1.6 F**	**1 F**	**2 F**	**2 F**	**2.8 F**
Chromium VI	D	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium VI	T	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	< 10 U	< 10 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	**1.5 F**
Potassium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	**4.2 F**	**3.2 F**	< 20 U	< 20 U	< 20 U	< 20 U	**4 F**	**4.3 F**	**4 F**	**4.2 F**	**2.2 F**	**8.1 F**	**4.8 F**	**5.4 F**	**2.6 F**	< 20 U	< 20 U	**8 F**	**6 F**	**5.3 F**
Total Recoverable Phenolics	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs																						
1,1,1-Trichloroethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-trichloro-1,2,2-trifluoroethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,1-Dichloroethene	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	**0.12 F**	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,2,3-Trichloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,2-Dichloroethene, Total	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dioxane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	N	ug/L	< 5 U	< 5 UM	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102
		Sample Date	6/21/2002	9/19/2002	12/16/2002	3/24/2003	6/24/2003	9/29/2003	9/29/2003	1/19/2004	1/19/2004	3/25/2004	3/25/2004	6/30/2004	6/30/2004	9/28/2004	9/28/2004	12/29/2004	12/29/2004	3/30/2005	3/30/2005	6/29/2005
		Sample Type	FD	N	N	N	N	N	FD	N	FD	N	FD	N	FD	N	FD	N	FD	N	FD	N
Chemical	**Fraction**	**Unit**																				
2-Chloroethyl vinyl ether	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acrylonitrile	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Bromochloromethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Disulfide	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CFC-11	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CFC-12	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Chlorodibromomethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Chloroform	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Chloromethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyclohexane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromomethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichloromethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Isopropylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m&p-Xylenes	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl N-Butyl Ketone (2-Hexanone)	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylcyclohexane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl-tert-butylether	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	**0.09 F**	**0.08 F**	**0.08 F**	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
n-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenolics	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
tert-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Xylenes	N	ug/L	< 0.5 U	< 0.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U
trans-1,2-Dichloroethene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,4-Dichloro-2-butene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl acetate	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Leachate Indicators																						
Ammonia Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromide	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloride	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoride (F-, Anion)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Kjeldahl Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorus as PO4	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity (as CaCO3)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Bicarbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Carbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Hydroxide	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Biological Oxygen Demand	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CBOD	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chemical Oxygen Demand	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Color	N	COLOR UNIT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Color	N	PCU	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hardness (as CaCO3)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	N	PH UNITS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon 2	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102
		Sample Date	9/21/2005	12/20/2005	12/20/2005	3/23/2006	3/23/2006	6/22/2006	9/13/2006	9/13/2006	12/28/2006	12/28/2006	3/29/2007	3/29/2007	7/12/2007	10/29/2007	10/29/2007	12/11/2007	12/11/2007	3/26/2009	3/26/2009	6/29/2009
		Sample Type	N	N	FD	N	FD	N	N	FD	N	FD	N	FD	N	N	FD	N	FD	N	FD	N
Chemical	**Fraction**	**Unit**																				
Metals																						
Aluminum	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	ug/L	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	**2.03 F**	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 5 U
Barium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Boron	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	ug/L	**4.4 F**	**2.6 F**	**2.7 F**	**1.48 F**	**1.76 F**	**1.94 F**	**4.3 F**	**5.6 F**	**2 F**	**2.9 F**	**3.3 F**	**4.2 F**	**3.8 F**	**2.6 F**	**2.2 F**	< 10 U	**1.6 F**	< 10 U	< 10 U	< 2 U
Chromium VI	D	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium VI	T	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	**1.7 F**	**1.7 F**	**1.4 F**	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	**1.2 F**	< 20 U	< 20 U	< 20 U	**1.2 F**	< 20 U	< 20 U	< 20 U	< 20 U	**2.1 F**	< 20 U	**1.2 F**
Potassium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	**29 B**	**11 F**	**15 F**	**38.5**	**17.1 F**	**13.5 F**	**5.6 F**	**4.5 F**	**20**	**9.6 F**	**1.7 F**	< 20 U	< 20 U	< 20 U	< 20 U	**25 B**	**30 B**	**17 F**	**19 F**	**9 J**
Total Recoverable Phenolics	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs																						
1,1,1-Trichloroethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-trichloro-1,2,2-trifluoroethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	R	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U
1,1-Dichloroethene	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	R	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U
1,2,3-Trichloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	R	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U
1,2-Dichloroethene, Total	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dioxane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	N	ug/L	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	R	< 5 U	< 5 U	< 5 U	R	R	< 5 U	< 5 U	< 10 U

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102
		Sample Date	9/21/2005	12/20/2005	12/20/2005	3/23/2006	3/23/2006	6/22/2006	9/13/2006	9/13/2006	12/28/2006	12/28/2006	3/29/2007	3/29/2007	7/12/2007	10/29/2007	10/29/2007	12/11/2007	12/11/2007	3/26/2009	3/26/2009	6/29/2009
		Sample Type	N	N	FD	N	FD	N	N	FD	N	FD	N	FD	N	N	FD	N	FD	N	FD	N
Chemical	**Fraction**	**Unit**																				
2-Chloroethyl vinyl ether	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acrylonitrile	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	R	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U
Bromochloromethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Disulfide	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CFC-11	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CFC-12	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	R	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U
Chlorodibromomethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	R	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U
Chloroform	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	R	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U
Chloromethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyclohexane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromomethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichloromethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	R	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U
Isopropylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m&p-Xylenes	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl N-Butyl Ketone (2-Hexanone)	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylcyclohexane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl-tert-butylether	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	**0.13 F**	**0.23 F**	**0.27 F**	**0.28 F**	**0.35 F**	**0.36 F**	**0.35 F**	**0.34 J**	**0.25 F**	**0.41 F**	**0.42 F**	**0.43 F**	**0.5**	**0.39 F**	**0.4 F**	**0.43 F**
n-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenolics	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
tert-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Xylenes	N	ug/L	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	R	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 3 U
trans-1,2-Dichloroethene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,4-Dichloro-2-butene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl acetate	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	R	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U
Leachate Indicators																						
Ammonia Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromide	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloride	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoride (F-, Anion)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Kjeldahl Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorus as PO4	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity (as CaCO3)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Bicarbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Carbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Hydroxide	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Biological Oxygen Demand	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CBOD	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chemical Oxygen Demand	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Color	N	COLOR UNIT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Color	N	PCU	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hardness (as CaCO3)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	N	PH UNITS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon 2	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-103	MW-23-103	MW-23-103
		Sample Date	9/2/2009	9/2/2009	12/9/2009	12/9/2009	3/18/2010	3/18/2010	6/23/2010	9/8/2010	12/8/2010	3/29/2011	6/23/2011	9/12/2011	12/12/2011	12/12/2011	3/12/2012	6/19/2012	9/12/2012	4/23/2001	6/27/2001	10/2/2001
		Sample Type	N	FD	N	FD	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**																				
Metals																						
Aluminum	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	ug/L	**1.8 F**	**0.74 F**	< 3 U	< 3 U	< 5 U	< 5 U	< 1 UJ	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	< 1 U	< 1 U	< 1 U	**22.7**	**18.4 F**	**14 F**
Barium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Boron	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	ug/L	< 2 U	< 2 U	< 2 U	**0.46 F**	< 2 U	< 2 U	**1.2 F**	**1.36 F**	**1.04 F**	**1.51 F**	NA	**1.53 F**	NA	**1.09 F**	**1.03 F**	**1.38 F**	< 2 U	**1.5 B**	**3.44 F**	**3.7 F**
Chromium VI	D	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium VI	T	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	**1.5 F**	**1.8 F**	**1.1 F**	**1.2 F**	**1.7 F**	**0.87 F**	**2.77 F**	< 4 U	< 4 U	**2.13 F**	< 4 U	< 4 U	NA	**2.44 F**	< 4 U	**5.04**	< 4 U	**6.1 B**	**6.88 F**	**8.8 F**
Potassium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	**20 B**	**8.5 F**	**3.4 F**	**3.8 F**	**4.3 F**	**11 B**	< 20 U	**8.71 F**	**5.08 F**	< 20 U	< 20 U	< 20 U	NA	**11.4 F**	**9.97 F**	**17.8 F**	< 20 U	**5.3 B**	**12.5**	**8.9 F**
Total Recoverable Phenolics	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs																						
1,1,1-Trichloroethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-trichloro-1,2,2-trifluoroethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.5 U	**0.09 F**
1,1-Dichloroethene	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.5 U	< 0.5 U
1,2,3-Trichloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.5 U	< 0.5 U
1,2-Dichloroethene, Total	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dioxane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	N	ug/L	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	NA	< 5 U	< 5 UJ	< 5 U	< 5 U	NA	< 5 U	< 5 UM

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-103	MW-23-103	MW-23-103
		Sample Date	9/2/2009	9/2/2009	12/9/2009	12/9/2009	3/18/2010	3/18/2010	6/23/2010	9/8/2010	12/8/2010	3/29/2011	6/23/2011	9/12/2011	12/12/2011	12/12/2011	3/12/2012	6/19/2012	9/12/2012	4/23/2001	6/27/2001	10/2/2001
		Sample Type	N	FD	N	FD	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**																				
2-Chloroethyl vinyl ether	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acrylonitrile	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	< 1 U	< 1 U	< 1 U	**1.1**	**0.91**	**1.34**
Bromochloromethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Disulfide	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CFC-11	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CFC-12	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	< 1 U	< 1 U	< 1 U	**3.1**	**2.81**	**4.18**
Chlorodibromomethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	**0.23 F**	**0.44 F**
Chloroform	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.5 U	< 0.5 U
Chloromethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyclohexane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromomethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichloromethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.5 U	**0.17 F**
Isopropylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m&p-Xylenes	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl N-Butyl Ketone (2-Hexanone)	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylcyclohexane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl-tert-butylether	N	ug/L	< 1 U	< 1 U	**0.551 F**	**0.541 F**	**0.652 F**	**0.667 F**	**0.784 F**	**0.9 F**	**0.822 F**	**1.16**	**1.09**	< 1 U	NA	**0.701 F**	**0.958 F**	**0.928 F**	**1.4 J**	**9.1**	**13.9**	**21.2**
n-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenolics	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
tert-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Xylenes	N	ug/L	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.5 U	**0.31 F**
trans-1,2-Dichloroethene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,4-Dichloro-2-butene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl acetate	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	**1**	**1.76**
Leachate Indicators																						
Ammonia Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromide	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloride	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoride (F-, Anion)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Kjeldahl Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorus as PO4	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity (as CaCO3)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Bicarbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Carbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Hydroxide	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Biological Oxygen Demand	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CBOD	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chemical Oxygen Demand	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Color	N	COLOR UNIT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Color	N	PCU	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hardness (as CaCO3)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	N	PH UNITS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon 2	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103
		Sample Date	12/18/2001	3/21/2002	6/21/2002	9/18/2002	12/16/2002	3/24/2003	3/24/2003	6/24/2003	6/24/2003	9/29/2003	1/19/2004	3/29/2004	6/30/2004	9/27/2004	12/29/2004	3/30/2005	6/29/2005	6/29/2005	12/20/2005	6/22/2006
		Sample Type	N	N	N	N	N	N	FD	N	FD	N	N	N	N	N	N	N	N	FD	N	N
Chemical	**Fraction**	**Unit**																				
Metals																						
Aluminum	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	ug/L	< 30 U	**19.4 F**	**18 F**	< 30 U	**9.1 F**	**45**	**47.9**	**6.1 F**	**10.6 F**	**18.9 F**	**30.9**	**22.3 F**	**24.2 F**	**21 F**	**19.8 F**	**23 F**	**37**	**27 F**	**15 F**	**15.6 F**
Barium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Boron	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	ug/L	< 10 U	< 10 U	< 10 U	**2.4 F**	< 10 U	**2.4 F**	**3.1 F**	< 10 U	< 10 U	**22.7**	**1.6 F**	< 10 U	< 10 U	**0.5 F**	**4.6 F**	**2 F**	**1.9 F**	**1.9 F**	**1.6 F**	< 10 U
Chromium VI	D	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium VI	T	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	**6.4 F**	**5.9 F**	< 10 U	< 10 U	**1.1 F**	< 20 U	< 20 U	**2.9 F**	**3.1 F**	**7.1 F**	< 20 U	**5.3 F**	**1.8 F**	**4.8 F**	**6.7 F**	**6 F**	**6.9 F**	**6 F**	**5.2 F**	**5.03 F**
Potassium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	< 10 U	< 10 U	< 10 U	**8.3 F**	< 20 U	< 20 U	**2.5 F**	< 20 U	< 20 U	**5.9 F**	**5.8 F**	**2.4 F**	**2.8 F**	**6.9 F**	< 20 U	**17 F**	**12 F**	**4.3 F**	**13 F**	**24.7**
Total Recoverable Phenolics	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs																						
1,1,1-Trichloroethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-trichloro-1,2,2-trifluoroethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	**0.11 F**	**0.16 F**	**0.16 F**	**0.13 F**	**0.13 F**	**0.14 F**	**0.1 F**	< 0.5 U	**0.14 F**	**0.14 F**	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,1-Dichloroethene	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,2,3-Trichloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,2-Dichloroethene, Total	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dioxane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	N	ug/L	< 5 UM	< 5 U	< 5 U	< 5 UM	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5	< 5	< 5 U	< 5 U

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103
		Sample Date	12/18/2001	3/21/2002	6/21/2002	9/18/2002	12/16/2002	3/24/2003	3/24/2003	6/24/2003	6/24/2003	9/29/2003	1/19/2004	3/29/2004	6/30/2004	9/27/2004	12/29/2004	3/30/2005	6/29/2005	6/29/2005	12/20/2005	6/22/2006
		Sample Type	N	N	N	N	N	N	FD	N	FD	N	N	N	N	N	N	N	N	FD	N	N
Chemical	**Fraction**	**Unit**																				
2-Chloroethyl vinyl ether	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acrylonitrile	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	N	ug/L	**1.54**	**1.03**	**1.22**	**1.78**	**1.04**	**1.29**	**1.25**	**1.53**	**1.41**	**1.78**	**1.05**	**1.08**	**1.12**	**1.58**	**1.15**	**0.82**	**0.73**	**0.69**	**0.42 F**	**0.37 F**
Bromochloromethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Disulfide	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CFC-11	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CFC-12	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	N	ug/L	**3.64**	**2.81**	**2.82**	**3.72**	**2.74**	**2.87**	**2.83**	**2.85**	**2.68**	**2.92**	**2.25**	**2.27**	**1.59**	**2.41**	**1.65**	**1.85**	**1.6**	**1.5**	**0.94**	**0.66**
Chlorodibromomethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane	N	ug/L	< 0.5 U	**0.21 F**	**0.27 F**	**0.4 F**	< 0.5 U	< 0.5 U	< 0.5 U	**0.25 F**	**0.3 F**	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	**0.36 F**	**0.25 F**	**0.29 F**	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Chloroform	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Chloromethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyclohexane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromomethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichloromethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	N	ug/L	**0.12 F**	< 0.5 U	< 0.5 U	< 0.5 U	**0.1 F**	< 0.5 U	< 0.5 U	**0.08 F**	**0.08 F**	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Isopropylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m&p-Xylenes	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl N-Butyl Ketone (2-Hexanone)	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylcyclohexane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl-tert-butylether	N	ug/L	**18.2**	**9.77**	**11.1**	**10.7**	**6.55**	**8.07**	**7.78**	**8.68**	**8.54**	**14.2**	**5.09**	**3.68**	**1.88**	**1.51**	**0.83**	**0.64**	**0.68**	**0.68**	< 0.5 U	< 0.5 U
n-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenolics	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
tert-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Xylenes	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U
trans-1,2-Dichloroethene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,4-Dichloro-2-butene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl acetate	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	N	ug/L	**2.27**	**0.84**	**1.12**	**0.93**	< 0.5 U	**1.68**	**1.71**	**1.72**	**1.79**	< 0.5 U	**1.35**	**1.63**	**1.22**	**1.7**	**0.76**	**1.09**	**0.74**	**0.77**	**0.49 F**	**0.13 F**
Leachate Indicators																						
Ammonia Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromide	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloride	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoride (F-, Anion)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Kjeldahl Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorus as PO4	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity (as CaCO3)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Bicarbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Carbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Hydroxide	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Biological Oxygen Demand	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CBOD	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chemical Oxygen Demand	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Color	N	COLOR UNIT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Color	N	PCU	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hardness (as CaCO3)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	N	PH UNITS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon 2	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103
		Sample Date	6/22/2006	12/28/2006	7/17/2007	7/17/2007	12/11/2007	6/29/2009	6/29/2009	12/10/2009	6/22/2010	12/9/2010	6/23/2011	12/14/2011	12/14/2011	6/19/2012	6/19/2012	6/26/2013	6/23/2014	6/23/2014	6/25/2015	8/24/2017
		Sample Type	FD	N	N	FD	N	N	FD	N	N	N	N	N	FD	N	FD	N	N	FD	N	N
Chemical	**Fraction**	**Unit**																				
Metals																						
Aluminum	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	ug/L	**16.9 F**	**10 F**	**22 F**	**35**	**15 F**	**11**	**11**	**16**	**22 J**	**14**	**11.9**	**19.1**	**22.7**	**21.7**	**19.2**	**13.2**	**40.9 J**	**54.5 J**	**12.3**	**12**
Barium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Boron	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	ug/L	< 10 U	< 10 U	**1.4 F**	**1.7 F**	**1.7 F**	< 2 U	< 2 U	< 2 U	**1.76 F**	**1.45 F**	NA	**3.78**	**2.39**	**1.03 F**	**1.9 F**	**1.39 J**	**7.19 J**	**2.28 J**	< 2 UJ	**21**
Chromium VI	D	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium VI	T	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	**4.25 F**	**3.6 F**	**3.1 F**	**3.3 F**	**3.2 F**	**2.4**	**2.3**	**3.6**	**9.21**	**5.61**	**4.17**	**6.2**	**6.16**	**6.34**	**5.94**	**6.19**	**4.12**	**4.76**	**5.98**	**1.4**
Potassium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	**23.1**	**8.7 F**	< 20 U	< 20 U	**18 B**	**7.5 J**	**20 J**	**4.1 F**	< 20 U	**5.75 F**	< 20 U	**9.16 F**	**10.9 F**	**9.46 F**	**8.68 F**	**9.94 F**	**24 J**	**32.1 J**	< 20 U	< 8.0
Total Recoverable Phenolics	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs																						
1,1,1-Trichloroethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-trichloro-1,2,2-trifluoroethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.80
1,1-Dichloroethene	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.80
1,2,3-Trichloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.40
1,2-Dichloroethene, Total	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dioxane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	N	ug/L	< 5 U	< 5 U	< 5 U	< 5 U	R	**1.1 F**	**1.26 F**	< 10 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 2.5 U	< 2.5 U	< 5 U	< 4.0

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103
		Sample Date	6/22/2006	12/28/2006	7/17/2007	7/17/2007	12/11/2007	6/29/2009	6/29/2009	12/10/2009	6/22/2010	12/9/2010	6/23/2011	12/14/2011	12/14/2011	6/19/2012	6/19/2012	6/26/2013	6/23/2014	6/23/2014	6/25/2015	8/24/2017
		Sample Type	FD	N	N	FD	N	N	FD	N	N	N	N	N	FD	N	FD	N	N	FD	N	N
Chemical	**Fraction**	**Unit**																				
2-Chloroethyl vinyl ether	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acrylonitrile	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	N	ug/L	**0.42 F**	< 0.5 U	**0.11 F**	**0.14 F**	**0.16 F**	**0.15 F**	**0.14 F**	< 1 U	**0.221 F**	< 1 U	< 1 U	< 1 U	< 1 U	**0.156 F**	< 1 U	**0.42 F**	**0.472 F**	**0.453 F**	**0.439 F**	**0.46**
Bromochloromethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Disulfide	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CFC-11	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CFC-12	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	N	ug/L	**0.64**	**0.86**	**0.44 F**	**0.48 F**	**0.54**	**0.26 F**	**0.28 F**	< 1 U	**0.147 F**	**0.143 F**	**0.129 F**	< 1 U	**0.133 F**	**0.178 F**	**0.169 F**	< 1 U	**0.629 F**	**0.545 F**	**0.942 F**	**1.1**
Chlorodibromomethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA
Chloroform	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	**0.5 F**	**0.47 F**	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.40
Chloromethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyclohexane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromomethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichloromethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	**1.09**	**1.08**	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.40
Isopropylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m&p-Xylenes	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.80
Methyl Acetate	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl N-Butyl Ketone (2-Hexanone)	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylcyclohexane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl-tert-butylether	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.80
n-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.40
Phenolics	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
tert-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Xylenes	N	ug/L	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	**0.31 F**	**0.52 F**	< 3 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.80
trans-1,2-Dichloroethene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,4-Dichloro-2-butene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl acetate	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	N	ug/L	**0.2 F**	< 0.5 U	< 0.5 U	< 0.5 U	**0.13 F**	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	**0.265 M**	< 1 U	**0.16**
Leachate Indicators																						
Ammonia Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromide	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloride	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoride (F-, Anion)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Kjeldahl Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorus as PO4	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity (as CaCO3)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Bicarbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Carbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Hydroxide	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Biological Oxygen Demand	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CBOD	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chemical Oxygen Demand	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Color	N	COLOR UNIT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Color	N	PCU	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hardness (as CaCO3)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	N	PH UNITS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon 2	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-103	MW-23-103	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104
		Sample Date	8/24/2017	8/1/2018	4/23/2001	6/27/2001	10/2/2001	12/18/2001	12/18/2001	3/21/2002	3/21/2002	6/21/2002	9/18/2002	9/18/2002	12/16/2002	12/16/2002	6/24/2003	9/29/2003	1/19/2004	3/29/2004	6/30/2004	9/27/2004
		Sample Type	FD	N	N	N	N	N	FD	N	FD	N	N	FD	N	FD	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**																				
Metals																						
Aluminum	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	NA	< 70	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	ug/L	**11**	**10**	< 4.4 U	< 30 U	< 30 U	< 30 U	< 30 U	**7.1 F**	**6.5 F**	**5 F**	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	**14.3 F**	**10.8 F**	**8 F**	< 30 U
Barium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	ug/L	NA	**37**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	NA	< 0.30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Boron	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	ug/L	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	NA	**100000**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	ug/L	< 1.8	< 1.8	**4.7 B**	**5.88 F**	**32.2**	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	**3.1 F**	**4.9 F**	**1.7 F**	**1.2 F**	< 10 U	**16.8**	**5.6 F**	**2.5 F**	**0.8 F**	**2.5 F**
Chromium VI	D	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium VI	T	mg/L	NA	< 0.010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	NA	**2.5**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	NA	< 1.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	NA	**8000**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	ug/L	NA	< 0.70	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	NA	**14000**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	NA	**430**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	NA	< 0.080	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	**1.3**	**1.6**	**4.1 B**	**4.44 F**	**25**	**2.3 F**	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 20 U	< 20 U	< 20 U	**8.3 F**	< 20 U	< 20 U	< 20 U	**2.2 F**
Potassium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	NA	**3900**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	NA	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	NA	< 0.10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	NA	**180000**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	NA	< 0.20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	NA	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	< 8.0	**5.0**	**15.4**	**12.4**	**81.7**	**8.7 F**	**5.3 F**	< 10 U	**5.8 F**	< 10 U	**6.6 F**	**8 F**	**6.3 F**	**5 F**	< 20 U	**22.2**	**20.7**	**11.3 F**	**4.6 F**	**8.6 F**
Total Recoverable Phenolics	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs																						
1,1,1-Trichloroethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-trichloro-1,2,2-trifluoroethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	N	ug/L	< 0.80	< 0.80	< 1 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,1-Dichloroethene	N	ug/L	< 0.80	< 0.80	< 1 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,2,3-Trichloropropane	N	ug/L	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	N	ug/L	< 0.40	< 0.40	< 1 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,2-Dichloroethene, Total	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dioxane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	N	ug/L	< 4.0	< 4.0	NA	< 5 U	< 5 UM	< 5 UM	< 5 UM	< 5 U	< 5 U	< 5 U	< 5 UM	< 5 UM	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U

		Location	MW-23-103	MW-23-103	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104
		Sample Date	8/24/2017	8/1/2018	4/23/2001	6/27/2001	10/2/2001	12/18/2001	12/18/2001	3/21/2002	3/21/2002	6/21/2002	9/18/2002	9/18/2002	12/16/2002	12/16/2002	6/24/2003	9/29/2003	1/19/2004	3/29/2004	6/30/2004	9/27/2004
		Sample Type	FD	N	N	N	N	N	FD	N	FD	N	N	FD	N	FD	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**																				
2-Chloroethyl vinyl ether	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acrylonitrile	N	ug/L	NA	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	N	ug/L	**0.49**	**0.29**	< 1 U	**0.28 F**	**0.2 F**	**0.24 F**	**0.23 F**	< 0.5 U	**0.2 F**	< 0.5 U	**0.55**	**0.56**	**0.33 F**	**0.38 F**	**0.21 F**	**0.13 F**	< 0.5 U	**0.15 F**	< 0.5 U	**0.52**
Bromochloromethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Disulfide	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CFC-11	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CFC-12	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	N	ug/L	**0.99**	**0.96**	< 1 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Chlorodibromomethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane	N	ug/L	NA	< 1.6	< 2 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Chloroform	N	ug/L	< 0.40	< 0.40	< 1 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	**0.36 F**	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	**0.7**
Chloromethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyclohexane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromomethane	N	ug/L	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichloromethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	N	ug/L	< 0.40	< 0.40	< 1 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	**0.09 F**	**0.1 F**	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Isopropylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m&p-Xylenes	N	ug/L	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl N-Butyl Ketone (2-Hexanone)	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylcyclohexane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl-tert-butylether	N	ug/L	< 0.80	< 0.80	< 1 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
n-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	N	ug/L	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenolics	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
tert-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Xylenes	N	ug/L	< 0.80	< 0.80	< 1 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U
trans-1,2-Dichloroethene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,4-Dichloro-2-butene	N	ug/L	NA	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl acetate	N	ug/L	NA	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	N	ug/L	**0.12**	**0.12**	< 2 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Leachate Indicators																						
Ammonia Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromide	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloride	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoride (F-, Anion)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Kjeldahl Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorus as PO4	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity (as CaCO3)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Bicarbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Carbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Hydroxide	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Biological Oxygen Demand	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CBOD	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chemical Oxygen Demand	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Color	N	COLOR UNIT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Color	N	PCU	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hardness (as CaCO3)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	N	PH UNITS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon 2	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104
		Sample Date	12/29/2004	4/4/2005	6/29/2005	12/20/2005	6/22/2006	12/28/2006	7/17/2007	12/11/2007	6/30/2009	12/9/2009	6/22/2010	12/9/2010	6/23/2011	12/11/2011	6/22/2012	6/26/2013	6/26/2013	6/23/2014	6/24/2015	6/24/2015
		Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	FD
Chemical	**Fraction**	**Unit**																				
Metals																						
Aluminum	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	ug/L	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 5 U	**1.3 F**	**51.3 J**	**57.4**	**1.6 J**	< 1 U	**1.82**	< 1 U	< 1 U	**0.949 J**	< 1 U	**0.644 F**
Barium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Boron	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	ug/L	**9.5 F**	**20**	**28**	**4.9 F**	**4 F**	< 10 U	**4 F**	**2.3 F**	**6.7**	**17**	**31.9**	**10.8**	NA	**1.51 F**	**12.3**	**1.41 J**	**2.72 J**	**8.32 J**	**3.98 J**	**4.93 J**
Chromium VI	D	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium VI	T	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	**6.7 F**	**12 F**	**19 F**	**2.4 F**	**2.64 F**	**2.4 F**	< 20 U	< 20 U	**8.1**	**17**	**29.1**	**12.2**	**19.9**	**3.66 F**	**18.4**	**4.05**	**5.03**	**9.29**	**5.82**	**6.71**
Potassium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	**20.7**	**288**	**120**	**37**	**22.5**	**37**	< 20 U	**24 B**	**40 J**	**52**	**64.6**	**27.7**	**52.1**	< 20 U	**66.2**	**7.48 F**	**11.1 F**	**52.1 J**	**26.9**	**31.9**
Total Recoverable Phenolics	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs																						
1,1,1-Trichloroethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-trichloro-1,2,2-trifluoroethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1-Dichloroethene	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2,3-Trichloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichloroethene, Total	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dioxane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	N	ug/L	< 5 U	< 5 U	< 5	< 5 U	< 5 U	< 5 U	< 5 U	R	< 10 U	< 10 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 2.5 U	< 5 U	< 5 U

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104
		Sample Date	12/29/2004	4/4/2005	6/29/2005	12/20/2005	6/22/2006	12/28/2006	7/17/2007	12/11/2007	6/30/2009	12/9/2009	6/22/2010	12/9/2010	6/23/2011	12/11/2011	6/22/2012	6/26/2013	6/26/2013	6/23/2014	6/24/2015	6/24/2015
		Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	FD
Chemical	**Fraction**	**Unit**																				
2-Chloroethyl vinyl ether	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acrylonitrile	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	**0.18 F**	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromochloromethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Disulfide	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CFC-11	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CFC-12	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chlorodibromomethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloroform	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloromethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyclohexane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromomethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichloromethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Isopropylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m&p-Xylenes	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl N-Butyl Ketone (2-Hexanone)	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylcyclohexane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl-tert-butylether	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
n-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenolics	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
tert-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Xylenes	N	ug/L	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 3 U	< 3 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
trans-1,2-Dichloroethene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,4-Dichloro-2-butene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl acetate	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Leachate Indicators																						
Ammonia Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromide	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloride	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoride (F-, Anion)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Kjeldahl Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorus as PO4	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity (as CaCO3)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Bicarbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Carbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Hydroxide	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Biological Oxygen Demand	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CBOD	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chemical Oxygen Demand	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Color	N	COLOR UNIT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Color	N	PCU	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hardness (as CaCO3)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	N	PH UNITS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon 2	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

		Location	MW-23-104	MW-23-104
		Sample Date	8/24/2017	8/1/2018
		Sample Type	N	N
Chemical	**Fraction**	**Unit**		
Metals				
Aluminum	D	ug/L	NA	NA
Aluminum	T	ug/L	NA	**36**
Antimony	D	ug/L	NA	NA
Antimony	T	ug/L	NA	< 1.0
Arsenic	D	ug/L	NA	NA
Arsenic	T	ug/L	< 1.0	< 1.0
Barium	D	ug/L	NA	NA
Barium	T	ug/L	NA	**18**
Beryllium	D	ug/L	NA	NA
Beryllium	T	ug/L	NA	< 0.30
Boron	T	ug/L	NA	NA
Cadmium	D	ug/L	NA	NA
Cadmium	T	ug/L	NA	< 1.0
Calcium	D	ug/L	NA	NA
Calcium	T	ug/L	NA	**81000**
Chromium	D	ug/L	NA	NA
Chromium	T	ug/L	< 1.8	< 1.8
Chromium VI	D	mg/L	NA	NA
Chromium VI	T	mg/L	NA	< 0.010
Cobalt	D	ug/L	NA	NA
Cobalt	T	ug/L	NA	**2.6**
Copper	D	ug/L	NA	NA
Copper	T	ug/L	NA	< 1.8
Iron	D	ug/L	NA	NA
Iron	T	ug/L	NA	**130**
Lead	D	ug/L	NA	NA
Lead	T	ug/L	NA	< 0.70
Magnesium	D	ug/L	NA	NA
Magnesium	T	ug/L	NA	**19000**
Manganese	D	ug/L	NA	NA
Manganese	T	ug/L	NA	**1900**
Mercury	D	ug/L	NA	NA
Mercury	T	ug/L	NA	< 0.080
Nickel	D	ug/L	NA	NA
Nickel	T	ug/L	**0.40**	**0.85**
Potassium	D	ug/L	NA	NA
Potassium	T	ug/L	NA	**1700**
Selenium	D	ug/L	NA	NA
Selenium	T	ug/L	NA	< 2.0
Silver	D	ug/L	NA	NA
Silver	T	ug/L	NA	< 0.10
Sodium	D	ug/L	NA	NA
Sodium	T	ug/L	NA	**220000**
Thallium	D	ug/L	NA	NA
Thallium	T	ug/L	NA	< 0.20
Vanadium	D	ug/L	NA	NA
Vanadium	T	ug/L	NA	< 2.0
Zinc	D	ug/L	NA	NA
Zinc	T	ug/L	< 8.0	**2.9**
Total Recoverable Phenolics	N	mg/L	NA	NA
VOCs				
1,1,1-Trichloroethane	N	ug/L	NA	NA
1,1,2,2-Tetrachloroethane	N	ug/L	NA	NA
1,1,2-trichloro-1,2,2-trifluoroethane	N	ug/L	NA	NA
1,1,2-Trichloroethane	N	ug/L	NA	NA
1,1-Dichloroethane	N	ug/L	< 0.80	< 0.80
1,1-Dichloroethene	N	ug/L	< 0.80	< 0.80
1,2,3-Trichloropropane	N	ug/L	NA	< 0.80
1,2,3-Trimethylbenzene	N	ug/L	NA	NA
1,2,4-Trichlorobenzene	N	ug/L	NA	NA
1,2,4-Trimethylbenzene	N	ug/L	NA	NA
1,2-Dibromo-3-chloropropane	N	ug/L	NA	NA
1,2-Dibromoethane	N	ug/L	NA	NA
1,2-Dichlorobenzene	N	ug/L	NA	NA
1,2-Dichloroethane	N	ug/L	< 0.40	< 0.40
1,2-Dichloroethene, Total	N	ug/L	NA	NA
1,2-Dichloropropane	N	ug/L	NA	NA
1,3,5-Trimethylbenzene	N	ug/L	NA	NA
1,3-Dichlorobenzene	N	ug/L	NA	NA
1,3-Dichloropropane	N	ug/L	NA	NA
1,4-Dichlorobenzene	N	ug/L	NA	NA
1,4-Dioxane	N	ug/L	NA	NA
2-Butanone (MEK)	N	ug/L	< 4.0	< 4.0

		Location	MW-23-104	MW-23-104
		Sample Date	8/24/2017	8/1/2018
		Sample Type	N	N
Chemical	**Fraction**	**Unit**		
2-Chloroethyl vinyl ether	N	ug/L	NA	NA
4-Methyl-2-Pentanone	N	ug/L	NA	NA
Acetone	N	ug/L	NA	NA
Acrylonitrile	N	ug/L	NA	< 4.0
Benzene	N	ug/L	< 0.40	< 0.40
Bromochloromethane	N	ug/L	NA	NA
Bromodichloromethane	N	ug/L	NA	NA
Bromoform	N	ug/L	NA	NA
Bromomethane	N	ug/L	NA	NA
Carbon Disulfide	N	ug/L	NA	NA
Carbon Tetrachloride	N	ug/L	NA	NA
CFC-11	N	ug/L	NA	NA
CFC-12	N	ug/L	NA	NA
Chlorobenzene	N	ug/L	< 0.40	< 0.40
Chlorodibromomethane	N	ug/L	NA	NA
Chloroethane	N	ug/L	NA	< 1.6
Chloroform	N	ug/L	< 0.40	< 0.40
Chloromethane	N	ug/L	NA	NA
cis-1,2-Dichloroethene	N	ug/L	NA	NA
cis-1,3-Dichloropropene	N	ug/L	NA	NA
Cyclohexane	N	ug/L	NA	NA
Dibromomethane	N	ug/L	NA	< 0.40
Dichloromethane	N	ug/L	NA	NA
Ethylbenzene	N	ug/L	< 0.40	< 0.40
Isopropylbenzene	N	ug/L	NA	NA
m&p-Xylenes	N	ug/L	< 0.80	NA
Methyl Acetate	N	ug/L	NA	NA
Methyl N-Butyl Ketone (2-Hexanone)	N	ug/L	NA	NA
Methylcyclohexane	N	ug/L	NA	NA
Methyl-tert-butylether	N	ug/L	< 0.80	< 0.80
n-Butylbenzene	N	ug/L	NA	NA
n-Propylbenzene	N	ug/L	NA	NA
o-Xylene	N	ug/L	< 0.40	NA
Phenolics	N	mg/L	NA	NA
sec-Butylbenzene	N	ug/L	NA	NA
Styrene (Monomer)	N	ug/L	NA	NA
tert-Butylbenzene	N	ug/L	NA	NA
Tetrachloroethene	N	ug/L	NA	< 0.40
Toluene	N	ug/L	NA	NA
Total Xylenes	N	ug/L	< 0.80	< 0.80
trans-1,2-Dichloroethene	N	ug/L	NA	NA
trans-1,3-Dichloropropene	N	ug/L	NA	NA
trans-1,4-Dichloro-2-butene	N	ug/L	NA	< 1.6
Trichloroethene	N	ug/L	NA	NA
Vinyl acetate	N	ug/L	NA	< 2.0
Vinyl chloride	N	ug/L	< 0.20	< 0.20
Leachate Indicators				
Ammonia Nitrogen	N	mg/L	NA	NA
Bromide	N	mg/L	NA	NA
Chloride	N	mg/L	NA	NA
Fluoride (F-, Anion)	N	mg/L	NA	NA
Nitrate-N	N	mg/L	NA	NA
Sulfate	N	mg/L	NA	NA
Total Kjeldahl Nitrogen	N	mg/L	NA	NA
Total Phosphorus as PO4	N	mg/L	NA	NA
Alkalinity	N	mg/L	NA	NA
Alkalinity (as CaCO3)	N	mg/L	NA	NA
Alkalinity, Bicarbonate	N	mg/L	NA	NA
Alkalinity, Carbonate	N	mg/L	NA	NA
Alkalinity, Hydroxide	N	mg/L	NA	NA
Biological Oxygen Demand	N	mg/L	NA	NA
Carbon	N	mg/L	NA	NA
CBOD	N	mg/L	NA	NA
Chemical Oxygen Demand	N	mg/L	NA	NA
Color	N	COLOR UNIT	NA	NA
Color	N	PCU	NA	NA
Cyanide	D	ug/L	NA	NA
Cyanide	N	ug/L	NA	NA
Hardness (as CaCO3)	N	mg/L	NA	NA
pH	N	PH UNITS	NA	NA
Total Dissolved Solids	N	mg/L	NA	NA
Total Dissolved Solids	N	ug/L	NA	NA
Carbon	N	mg/L	NA	NA
Total Organic Carbon 2	N	mg/L	NA	NA

Notes:

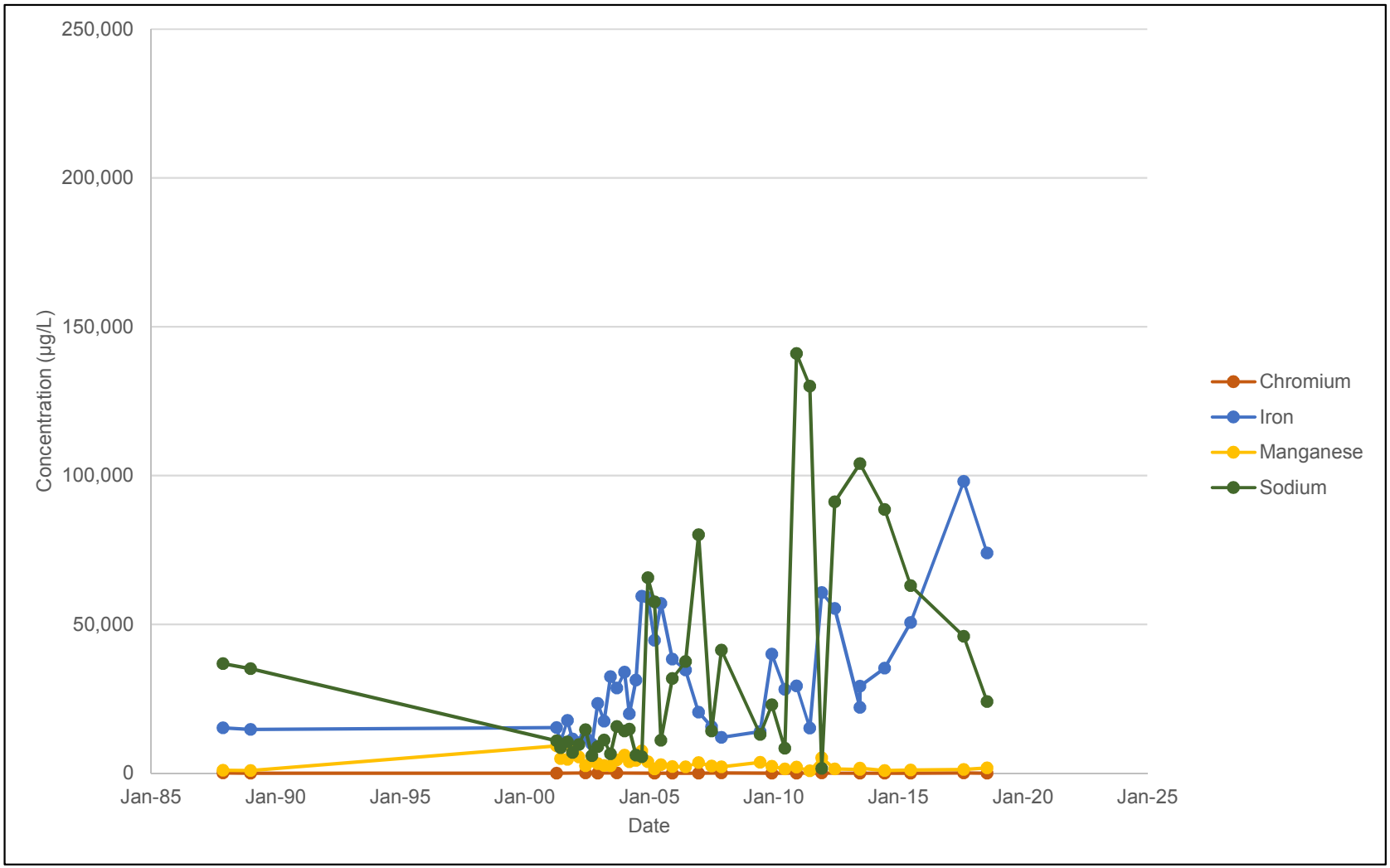
Detections are **boldfaced**

µg/L: micrograms per liter
CBOD: Carbonaceous Biochemical Oxygen Demand
D: Dissolved
mg/L: miligrams per liter
N: normal (parent) sample
NA: not analyzed
T: Total

Data Qualifiers:
J: The compound was positively identified; however, the associated numerical value is an estimated concentration only.
M: The analyte in question was quantitated using peak heights rather than peak areas for both the analyte and its internal standard.
U: The compound was analyzed for but not detected. The associated value is the compound quantitation limit.
UJ: The compound was not detected above the reported sample quantitation limit. However, the reported limit is approximate and may or may not represent the actual limit of quantitation.

Former Plattsburgh Air Force Base
Plattsburgh, New York
Landfill LF023

MW-23-001



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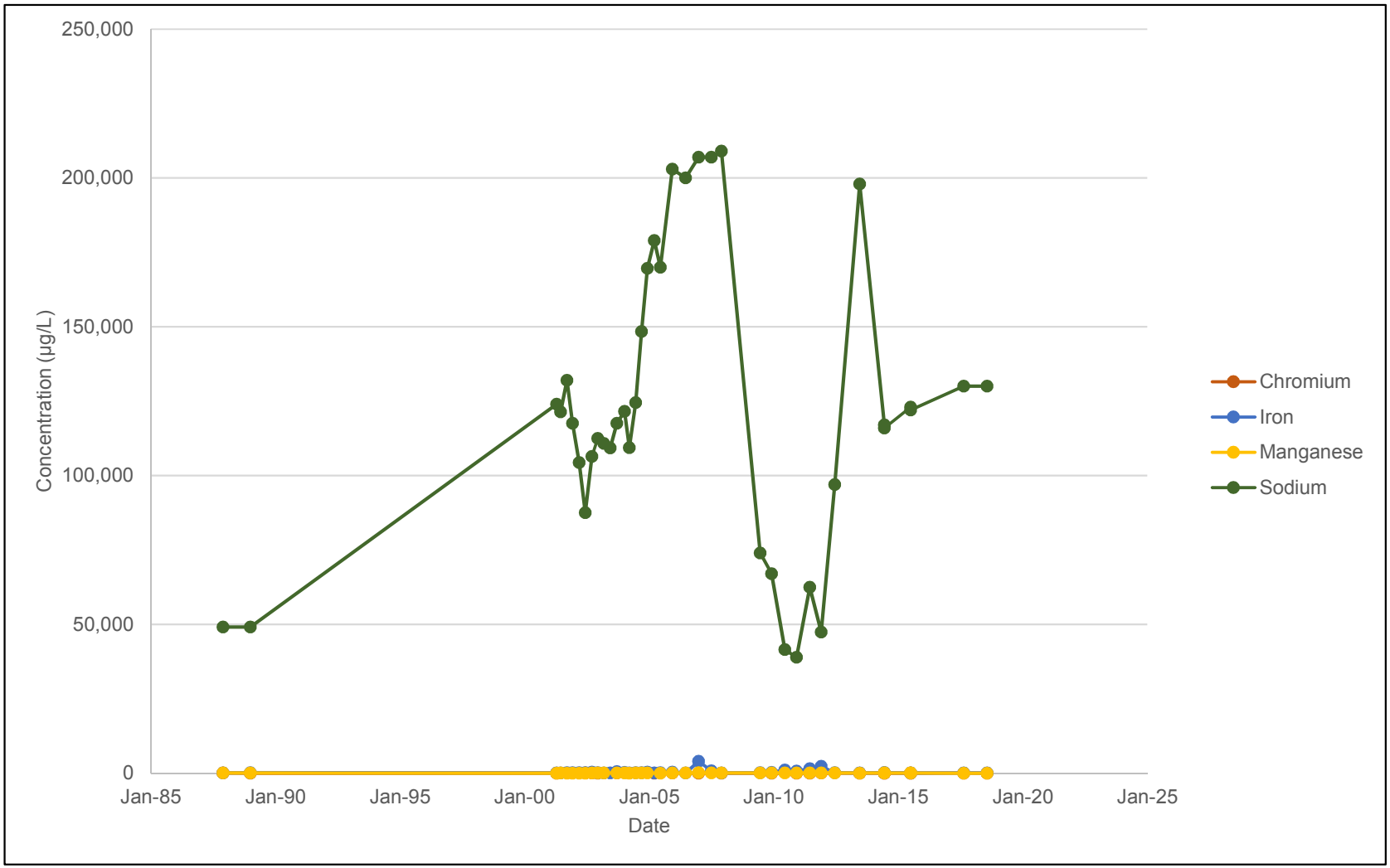
Plattsburgh, New York
Landfill LF023

MW-23-002



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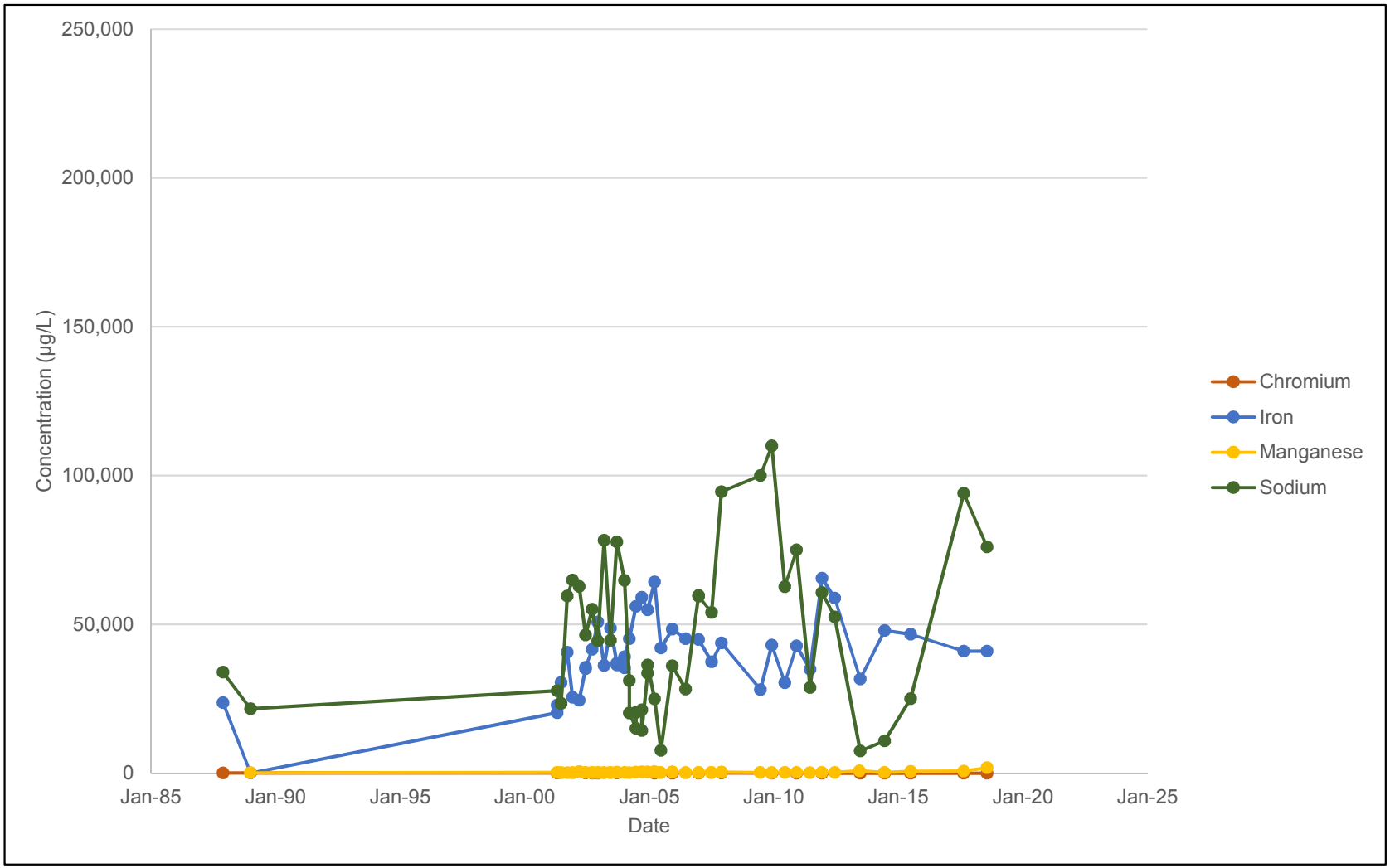
Plattsburgh, New York
Landfill LF023

MW-23-003



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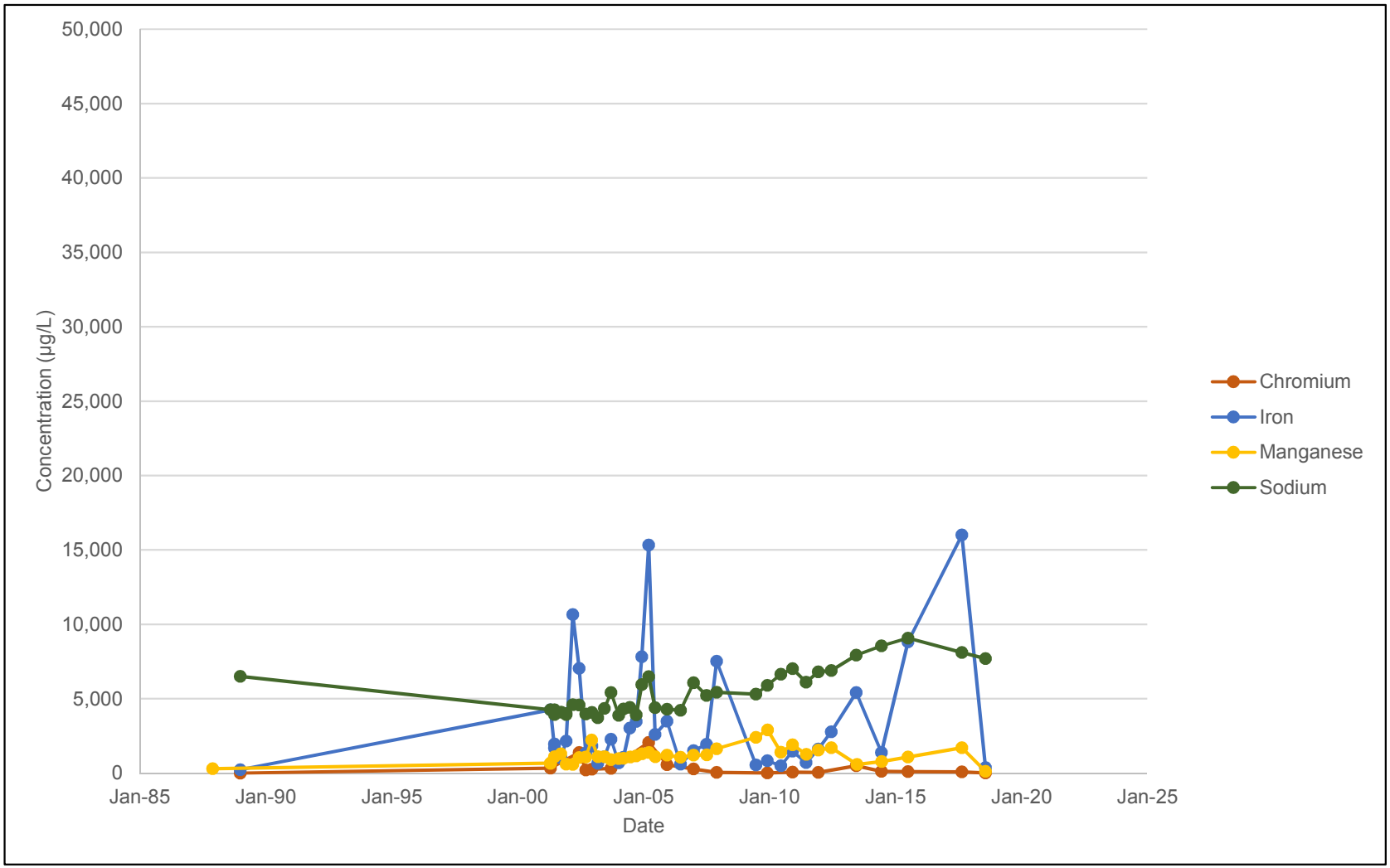
Plattsburgh, New York
Landfill LF023

MW-23-004



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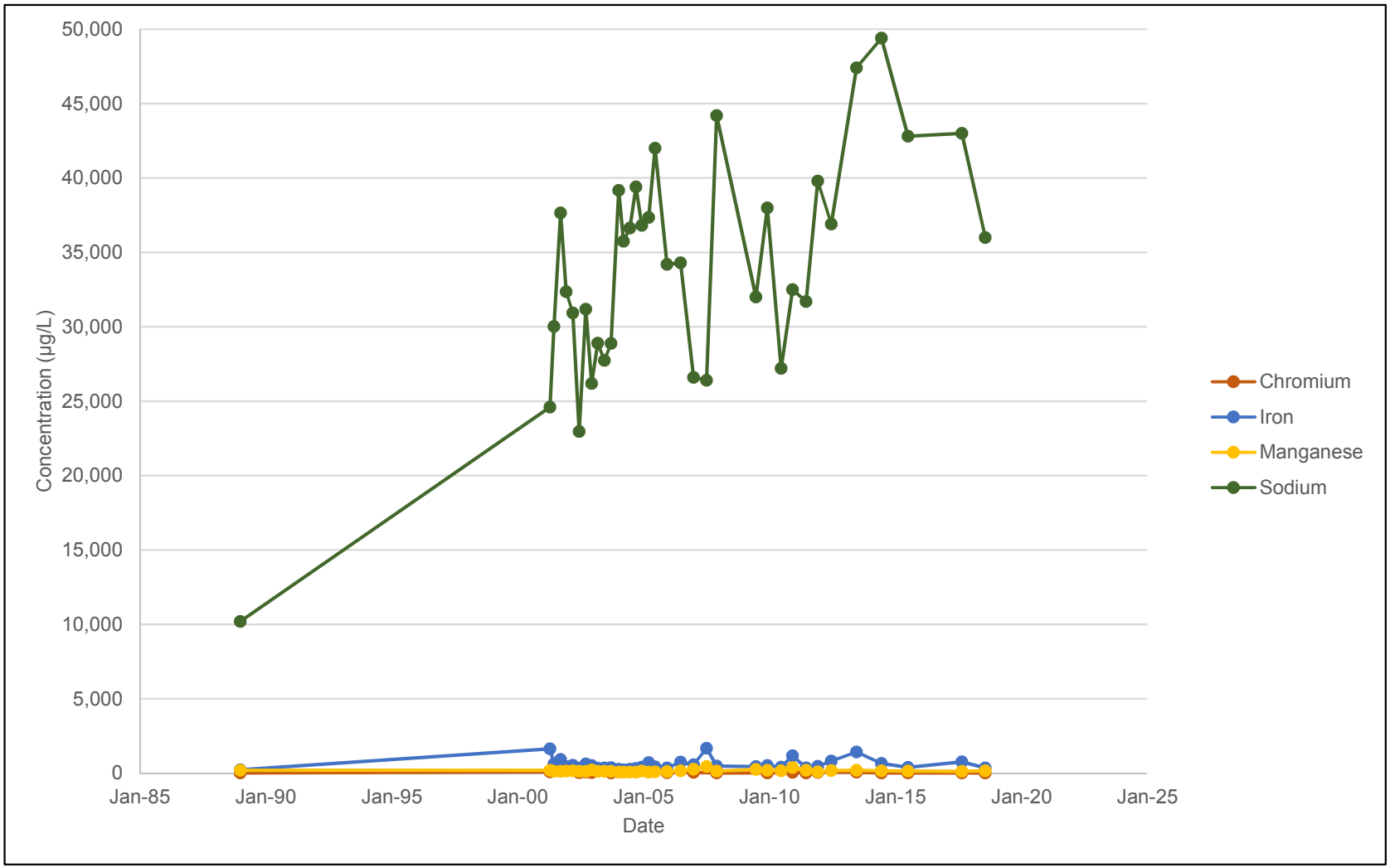
Plattsburgh, New York
Landfill LF023

MW-23-005



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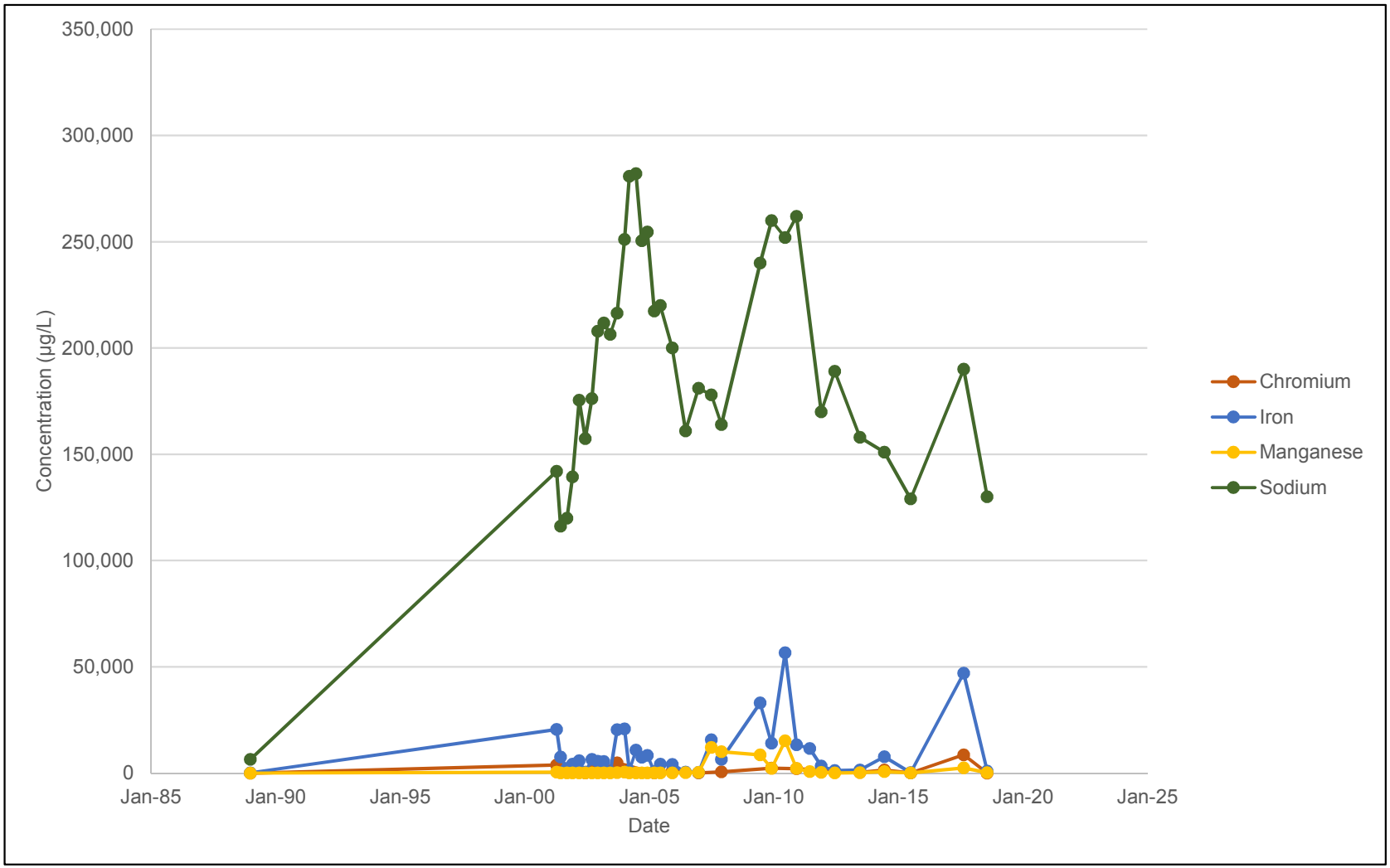
Plattsburgh, New York
Landfill LF023

MW-23-006



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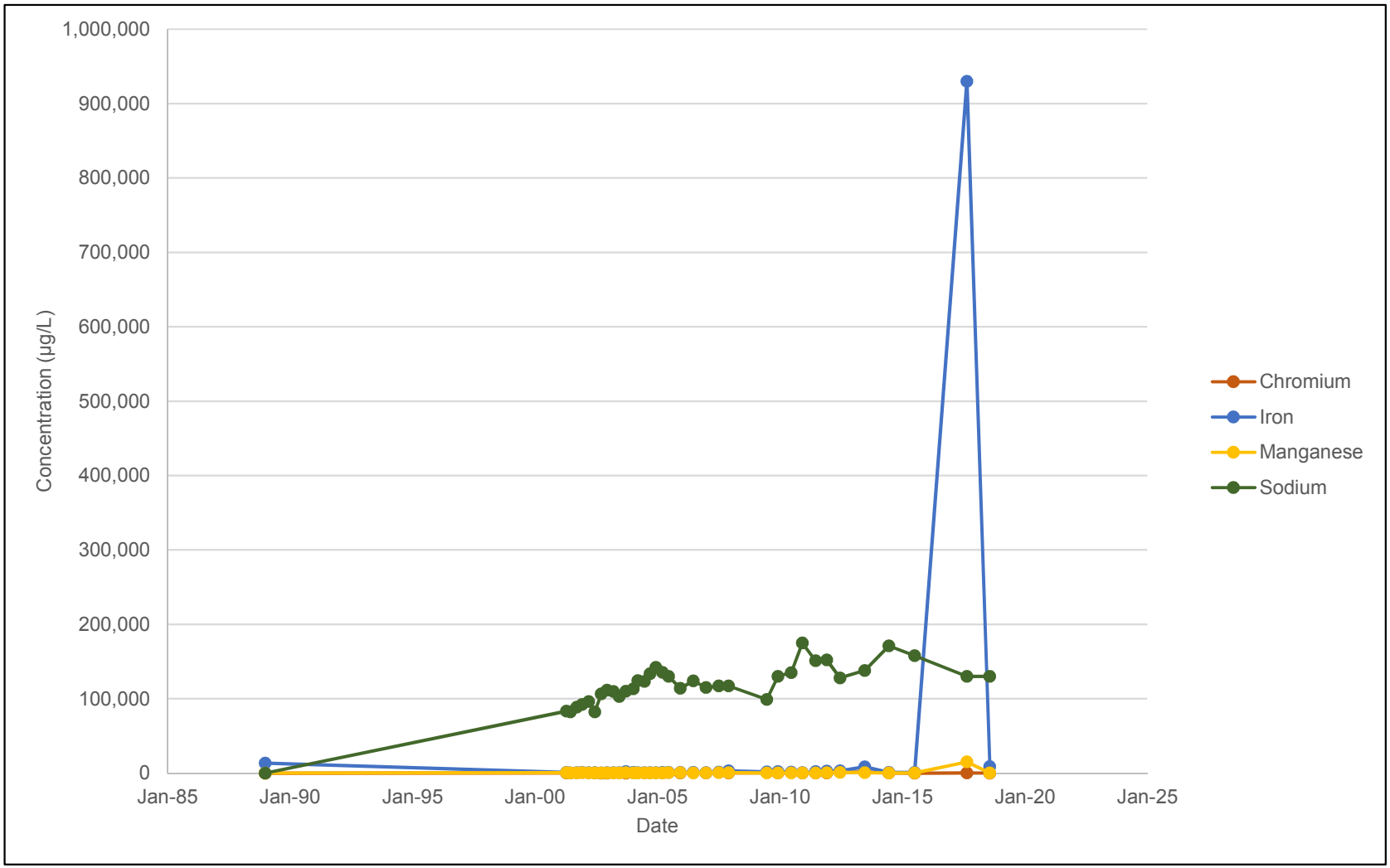
Plattsburgh, New York
Landfill LF023

MW-23-007



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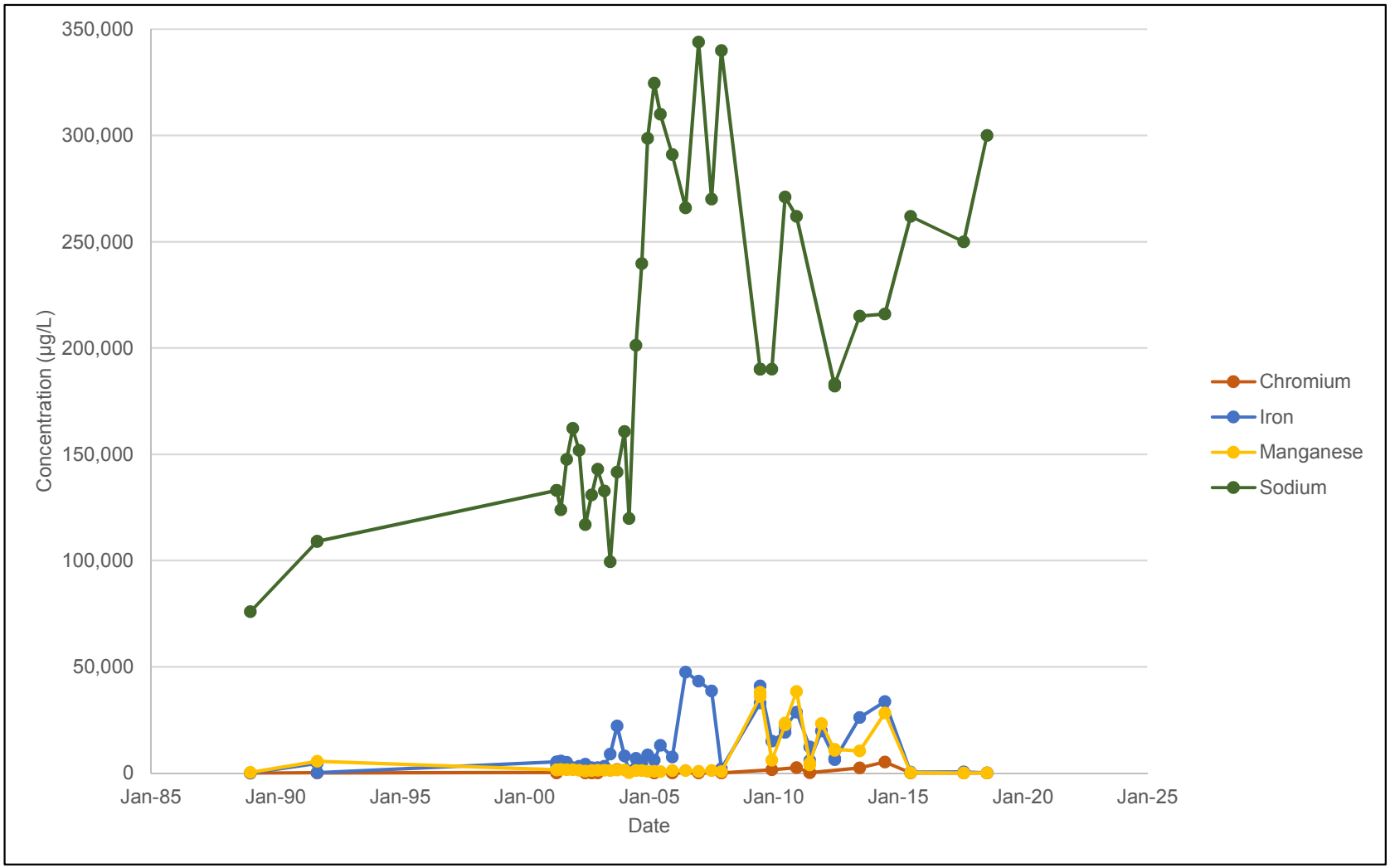
Plattsburgh, New York
Landfill LF023

MW-23-008



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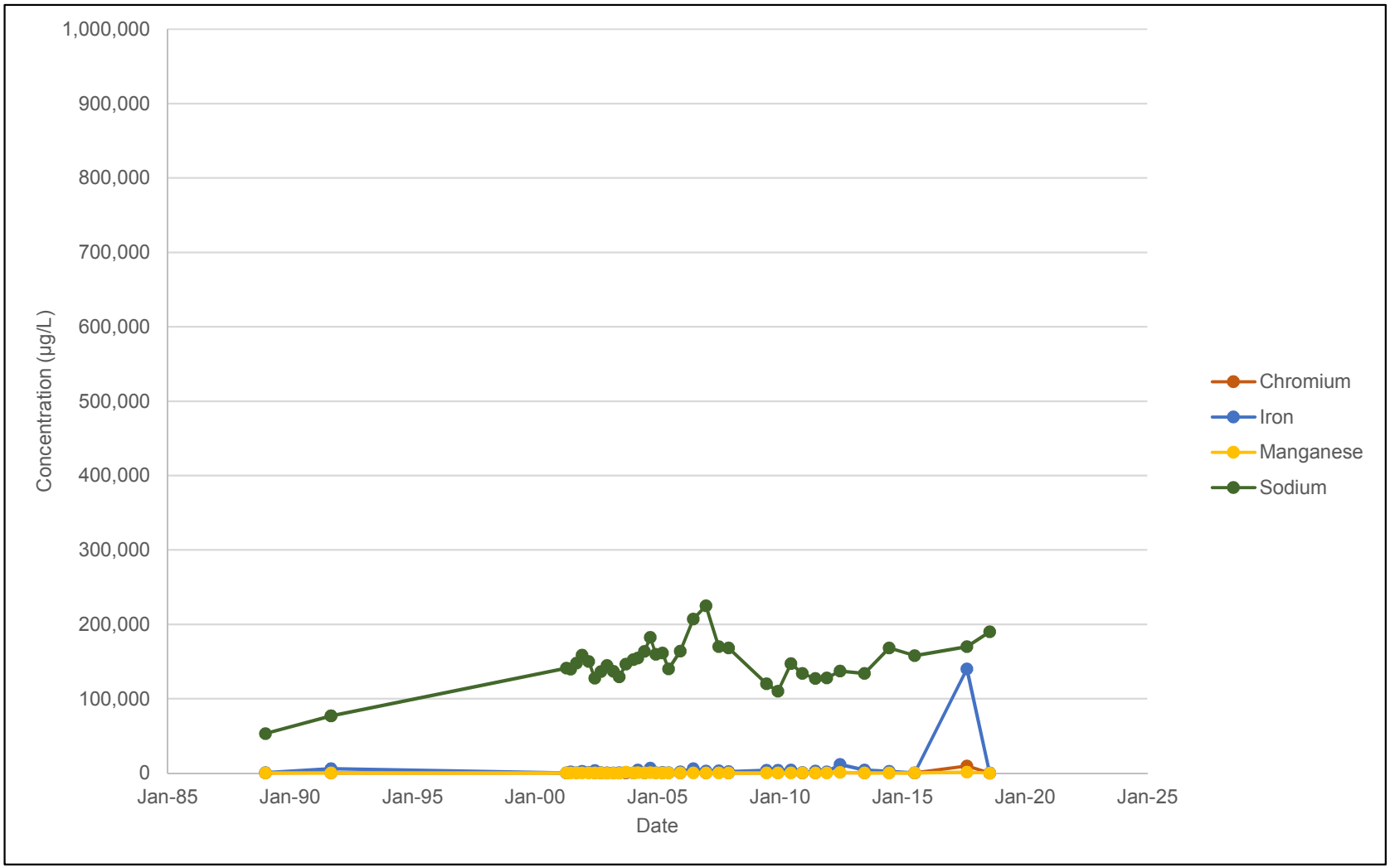
Plattsburgh, New York
Landfill LF023

MW-23-009



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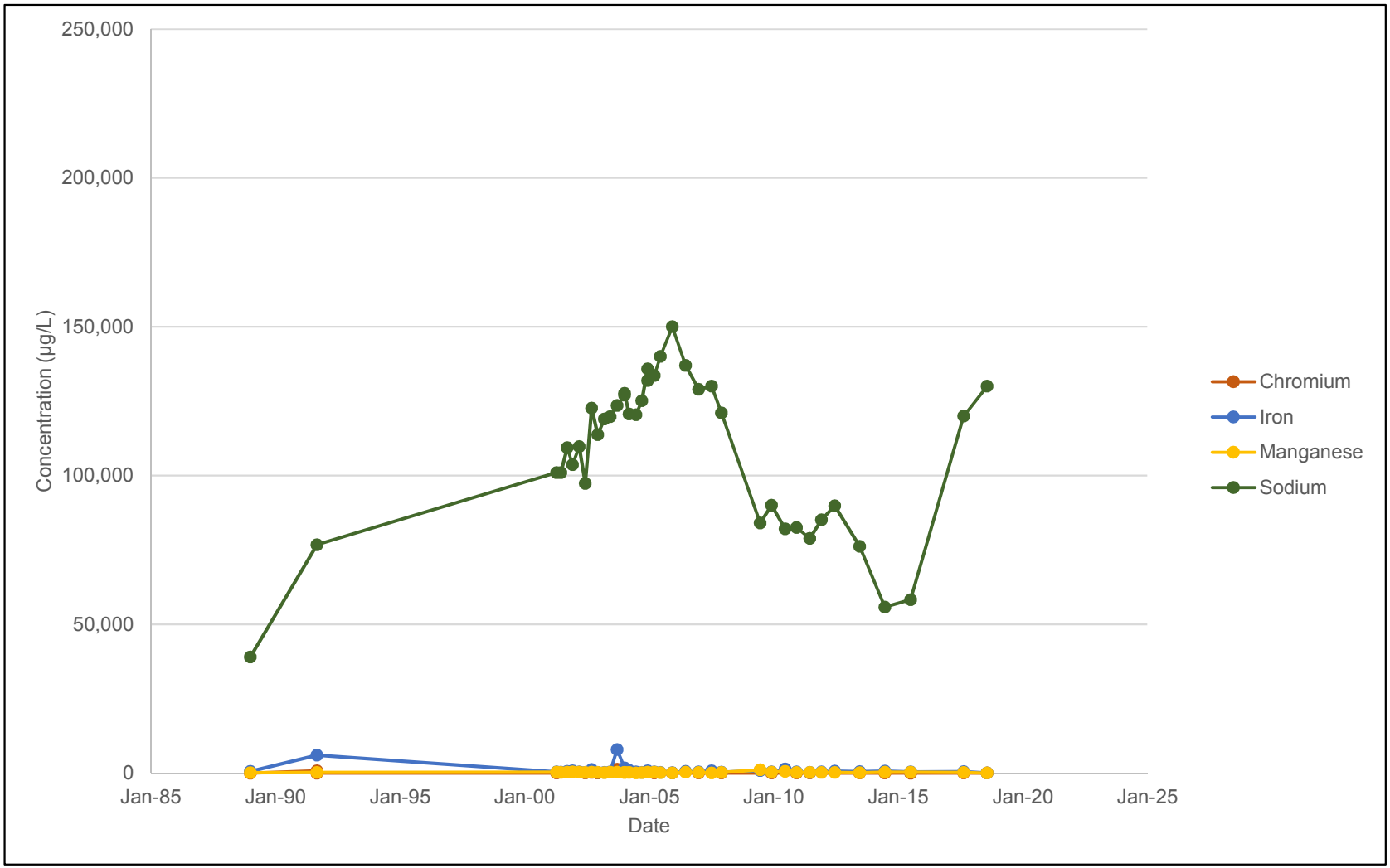
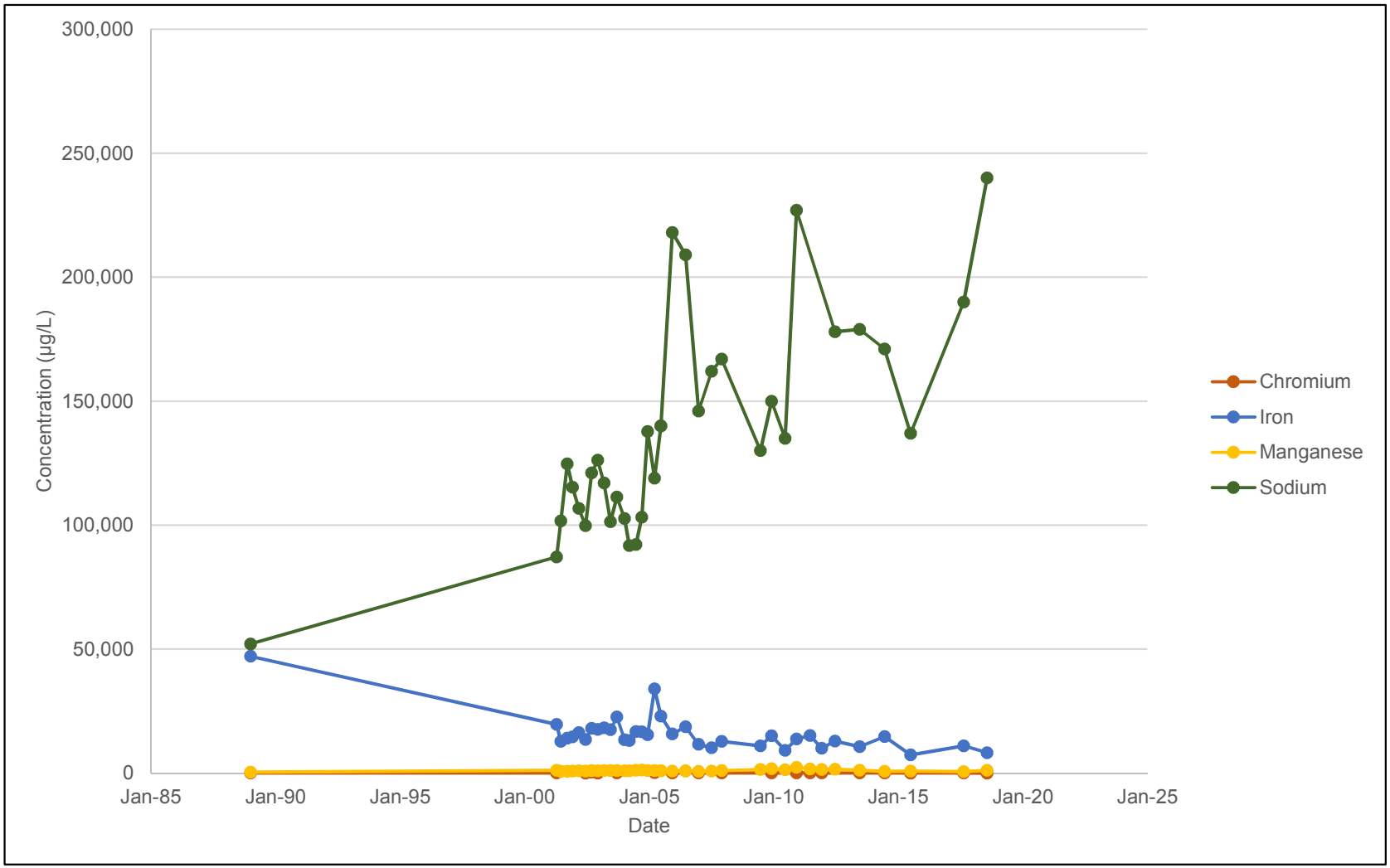
Plattsburgh, New York
Landfill LF023

MW-23-010



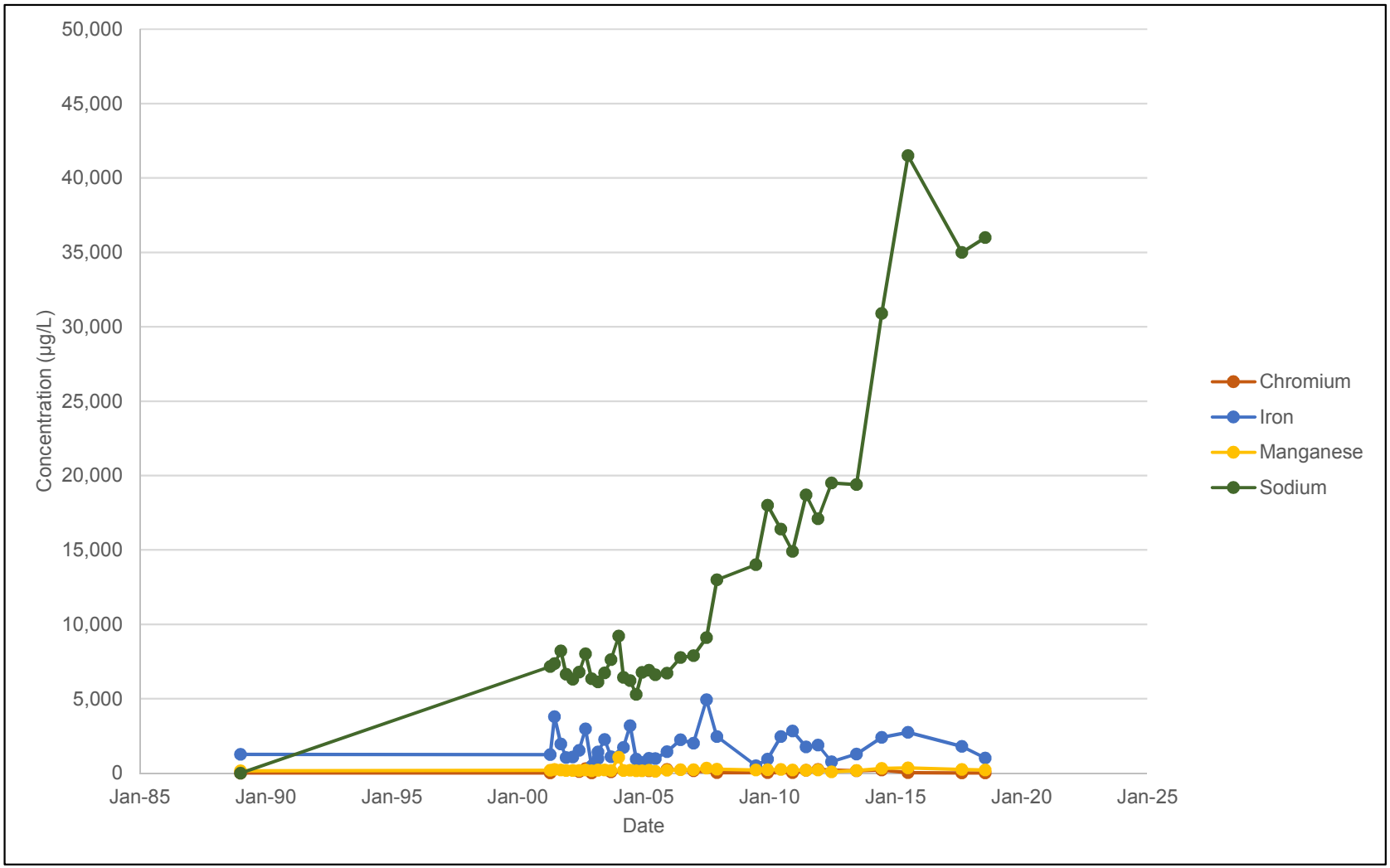
Former Plattsburgh Air Force Base
Plattsburgh, New York
Landfill LF023

MW-23-011



Former Plattsburgh Air Force Base
Plattsburgh, New York
Landfill LF023

MW-23-012



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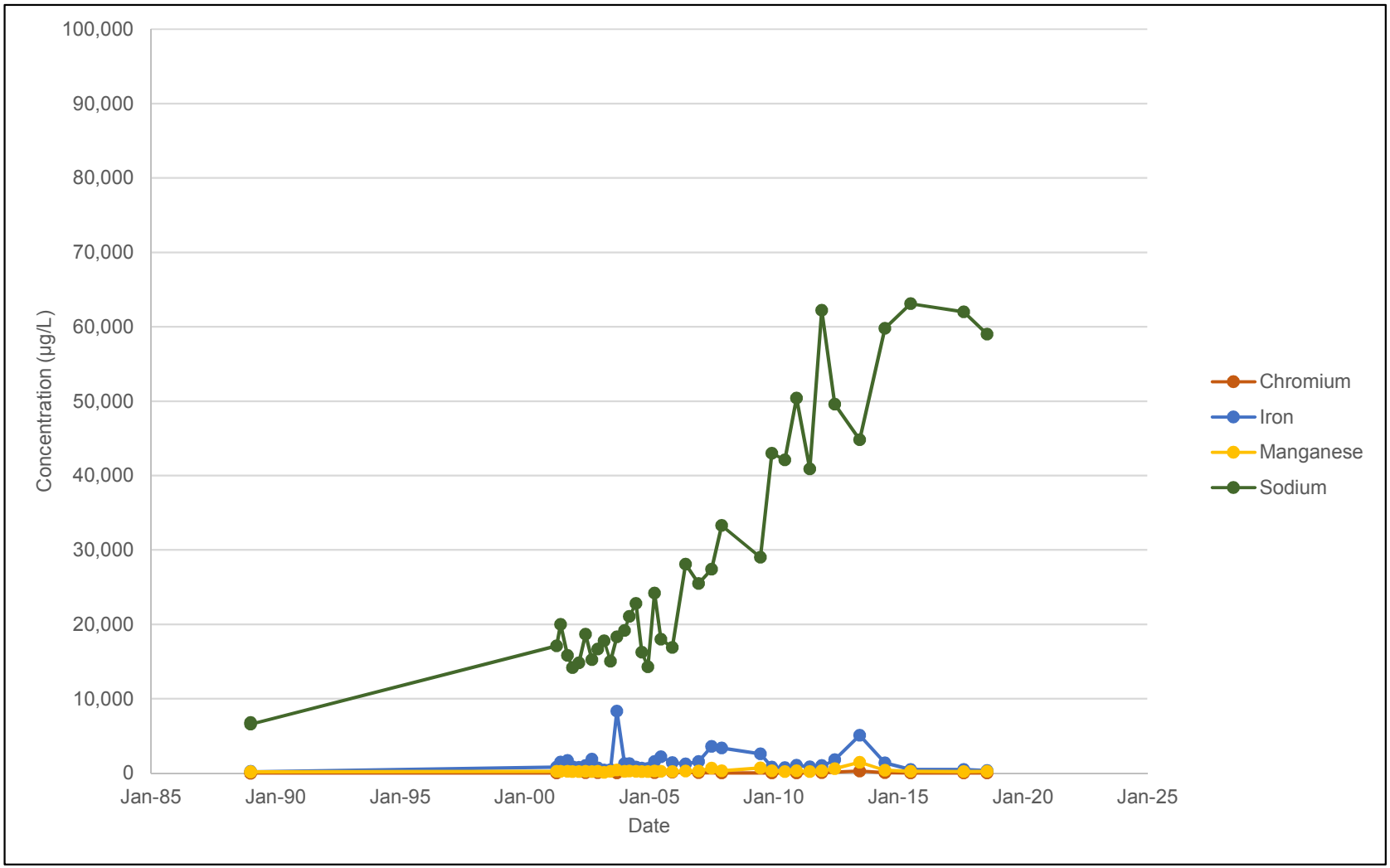
Plattsburgh, New York
Landfill LF023

MW-23-013



APPENDIX B-7

Landfill LF024

Appendix B-7
Groundwater Analytical Data, Landfill LF024
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-24-001	MW-24-001	MW-24-001	MW-24-001	MW-24-001	MW-24-001	MW-24-001	MW-24-001	MW-24-001	MW-24-001	MW-24-001	MW-24-001	MW-24-001	MW-24-001	MW-24-001	MW-24-001
		Sample Date	1/7/1993	12/7/1994	12/7/1994	6/8/2001	11/13/2001	5/23/2002	11/20/2002	5/22/2003	11/19/2003	5/20/2004	5/25/2005	6/14/2006	7/17/2007	6/26/2009	6/28/2010	6/23/2012
		Sample Type	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**																
Aluminum	D	µg/L	NA	**38**	< 35.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	µg/L	**75.1**	**234**	**225**	**180 F**	**83.7 MF**	**204 J**	**209 M**	**51 M**	**1336 M**	< 200 U	**9530 M**	**283 J**	**80 F**	**5200 M**	**829 J**	< 100 U
Antimony	D	µg/L	NA	< 25.3 U	< 25.3 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	µg/L	< 12	**29.3 B**	< 25.3 U	**3.46 F**	< 50 U	< 50 U	< 50 U	**3.8 F**	< 50 U	< 50 U	< 50 UM	< 50 U	< 50 U	< 2 U	< 1 U	< 1 U
Arsenic	D	µg/L	NA	< 2 U	< 2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	µg/L	< 2	< 2 U	< 2 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	**1.2 F**	**0.676 F**	**0.961 F**
Barium	D	µg/L	NA	**34.6 B**	**24.9 B**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	µg/L	< 40	**7.9 B**	**6.9 B**	**4.4 F**	**5.1 F**	**5.38 F**	**5.3 F**	**3.6 F**	**13.2 F**	**3.3 F**	**13.8 J**	**6.29 F**	**4.25 F**	**35**	**15 J**	**4.49 F**
Beryllium	D	µg/L	NA	< 0.2 U	< 0.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	µg/L	< 1	< 0.2 U	< 0.2 U	< 5 U	< 5 U	< 5 U	< 4 U	< 4 U	< 4 U	< 4 U	**0.41 F**	< 4 U	< 4 U	< 1 U	< 2 U	< 2 U
Cadmium	D	µg/L	NA	< 2.5 U	< 2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	µg/L	< 1	< 2.5 U	< 2.5 U	< 7 U	< 7 U	< 7 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	**0.46 F**	< 0.6 U	< 0.6 U
Calcium	D	µg/L	NA	**9410**	**8450**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	µg/L	< 1000	**8900**	**9310**	**11600**	**15559**	**8722**	**9993 M**	**11597 M**	**13819**	**18237 M**	**19250**	**25600**	**18700**	**18000**	**15700 M**	**11600**
Chromium	D	µg/L	NA	< 4.8 U	< 4.8 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	µg/L	< 2	< 4.8 U	< 4.8 U	< 10 U	< 10 U	< 10 U	**0.4 F**	**1 F**	**2.9 F**	< 10 U	**2 F**	**1.72 F**	< 10 U	**8.9 J**	**2.95 J**	< 2 U
Cobalt	D	µg/L	NA	< 4.1 U	**5.1 B**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	µg/L	< 10	**6.2 B**	**6 B**	< 6 U	< 6 U	< 6 U	< 60 U	**0.5 F**	< 60 U	< 60 U	< 60 U	< 60 U	< 60 U	**1.4 J**	< 1 UJ	< 1 U
Copper	D	µg/L	NA	< 4.2 U	< 4.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	µg/L	**17.9**	< 4.2 U	< 4.2 U	< 10 U	**4.2 F**	< 10 U	< 10 U	**1.2 F**	< 10 U	< 10 U	**5 F**	< 10 U	< 10 U	**4.8 J**	**2.24 J**	< 2 U
Iron	D	µg/L	NA	**13.4 B**	**25.9 B**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	µg/L	**18.8**	**314**	**288**	**189 F**	**105 MF**	**218 J**	**630 J**	**56.7 F**	**1110**	< 200 U	**2718 M**	**96 F**	**48.8 F**	**5200 M**	**604 J**	**2390 M**
Lead	D	µg/L	NA	< 1 U	< 1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	µg/L	< 0.6	**1 B**	**1.2 B**	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	**4 F**	< 25 U	< 25 U	**4.1**	**1.57**	**0.78 F**
Magnesium	D	µg/L	NA	**1900 B**	**1710 B**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	µg/L	< 1000	**1810 B**	**1850 B**	**1370**	**4319**	**1198**	**1322**	**1416**	**1563 J**	**1620**	**3390**	**3190**	**2320**	**4100**	**2190 J**	**1870**
Manganese	D	µg/L	NA	**7.7 B**	**8.3 B**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	µg/L	**4.1**	**9.8 B**	**10.7 B**	**3.1 F**	**4 F**	**2.55 F**	**5.9 F**	**4.9 M**	**11.5**	< 10 U	**15 J**	**1.16 F**	**8 F**	**37**	**14.6 M**	**20.4**
Mercury	D	µg/L	NA	< 0.2 U	< 0.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	µg/L	< 0	< 0.2 U	< 0.2 U	< 1 UM	< 0.4 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.2 U	< 0.2 U	< 0.2 U
Nickel	D	µg/L	NA	< 8.4 U	< 8.4 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	µg/L	< 8	< 8.4 U	< 8.4 U	< 10 U	< 10 U	< 10 U	< 20 U	< 20 U	< 20 U	< 20 U	**2 F**	< 20 U	< 20 U	**4.5 J**	**2.23 J**	< 4 U
Potassium	D	µg/L	NA	**2130 B**	**2290 B**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	µg/L	< 1000	**2160 B**	**2310 B**	**1180**	**1577**	**502**	**1213**	**895 F**	**1182**	**743 F**	**1020**	**959 F**	**982 F**	**2100**	**912 F**	**1500**
Selenium	D	µg/L	NA	< 2 U	< 2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	µg/L	< 1	< 2 U	< 2 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	**0.83 F**	< 1 U	< 1 U
Silver	D	µg/L	NA	< 3	< 3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	µg/L	< 2	< 3	< 3	< 10 UM	< 10 UM	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	**1.33 F**	< 10 U	< 1 U	< 1 U	< 1 U
Sodium	D	µg/L	NA	**5120**	**5320**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	µg/L	< 1000	**4820 B**	**4870 B**	**2770 J**	**2330 J**	**3389**	**2677**	**3256**	**3083**	**3847**	**6940**	**5860**	**2840**	**3000**	**2870 J**	**2760**
Thallium	D	µg/L	NA	< 5 U	< 1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	µg/L	< 2	< 1 U	< 1 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	**20 F**	< 80 U	< 80 U	< 80 U	< 1 U	< 0.2 U	< 0.2 U
Vanadium	D	µg/L	NA	< 3.6 U	< 3.6 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	µg/L	< 10	< 3.6 U	< 3.6 U	< 10 U	< 10 U	< 10 U	**2 F**	**2.1 F**	**3.7 F**	**4.5 F**	**2 F**	< 10 U	< 10 U	**8.7**	**2.08 J**	**3.17 J**
Zinc	D	µg/L	NA	**29.1**	**25**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	µg/L	**13**	**182**	**146**	**9.45 F**	**4 F**	**7.3 F**	**3.5 F**	**3.5 F**	**5.5 F**	**3.2 F**	**20**	**21.5**	< 20 U	**17 J**	**8.32 F**	< 20 UJ

Appendix B-7
Groundwater Analytical Data, Landfill LF024
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-24-001	MW-24-001	MW-24-001	MW-24-002R	MW-24-002R	MW-24-002R	MW-24-002R	MW-24-002R	MW-24-002R	MW-24-002R	MW-24-002R	MW-24-002R	MW-24-002R	MW-24-002R	MW-24-002R	MW-24-002R
		Sample Date	7/8/2014	7/8/2014	8/2/2018	6/8/2001	6/8/2001	11/13/2001	11/13/2001	5/23/2002	5/23/2002	11/20/2002	11/20/2002	5/22/2003	11/19/2003	5/20/2004	5/24/2005	6/14/2006
		Sample Type	N	FD	N	N	FD	N	FD	N	FD	N	FD	N	N	N	N	N
Chemical	**Fraction**	**Unit**																
Aluminum	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	µg/L	< 100 U	< 100 U	**140**	**2530 J**	**3370 J**	**476 M**	**1838 M**	**240 J**	**893 J**	**685 M**	**1014 M**	**486 M**	**736 M**	**112 F**	**1080 M**	**2870 J**
Antimony	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	µg/L	< 1 U	< 1 U	< 1.0	< 50 U	**5.91 F**	**3.9 F**	**8 F**	**13.5 F**	**11.7 F**	**7.4 F**	**7.8 F**	< 50 U	< 50 U	< 50 U	< 50 UM	< 50 U
Arsenic	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	µg/L	< 1 U	< 1 U	< 1.0	< 30 U	**4.91 F**	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	**12.4 F**	**15.3 F**	**12.3 F**	**4 F**	**3.52 F**
Barium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	µg/L	**4.01 F**	**4.89 F**	**6.1**	**69**	**75.4**	**16.4 J**	**38.7 J**	**21.7 J**	**32.6 J**	**152**	**179**	**50.5**	**125**	**24.1 F**	**75 J**	**71.7**
Beryllium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	µg/L	< 2 U	< 2 U	< 0.30	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	**0.16 F**	**0.15 F**
Cadmium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	µg/L	< 0.6 U	< 0.6 U	< 1.0	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Calcium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	µg/L	**18600 M**	**18900 M**	**11000**	**96700**	**99700**	**105761**	**108806**	**128603**	**140462**	**173780 M**	**166732 M**	**124566 M**	**160609**	**106596 M**	**114400**	**80900**
Chromium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	µg/L	< 2 U	< 2 U	**0.70**	**4.58 F**	**5.43 F**	< 10 U	**2.6 F**	< 10 U	**2.2 F**	**1.7 F**	**2.4 F**	< 10 U	**2.4 F**	< 10 U	**4 F**	**7.09 F**
Cobalt	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	µg/L	< 1 U	< 1 U	**0.18**	**3.24 F**	**3.48 F**	< 6 U	**2.6 F**	< 6 U	**2.26 F**	**1 F**	**0.9 F**	**2.6 F**	**1.3 F**	< 60 U	< 60 U	**2.48 F**
Copper	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	µg/L	< 2 U	< 2 U	**0.60**	**9.54 F**	< 10 U	**3.9 F**	**5.5 F**	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	**2 F**	**7.99 F**
Iron	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	µg/L	**31.1 M**	**37.2 M**	**670**	**5920 J**	**7490 J**	**1016 M**	**3047 M**	**1238 J**	**2214 J**	**19467 J**	**26979 J**	**5189**	**31418**	**1602**	**11188 M**	**10500**
Lead	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	µg/L	< 1 U	< 1 U	**0.94**	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	**2.8 F**	< 25 U	< 25 U	**3.1 F**	**2.09 F**
Magnesium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	µg/L	**2900 M**	**2970 M**	**1500**	**28400**	**29400**	**19336**	**20411**	**22394**	**24329**	**21642**	**20354**	**17372**	**20247 J**	**12780**	**14020**	**9740**
Manganese	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	µg/L	< 10 UM	< 10 UM	**7.9**	**1340**	**1360**	**5930**	**7018**	**12914**	**14659**	**12516**	**11176**	**14952 M**	**16430**	**11137**	**13389 J**	**6300**
Mercury	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	µg/L	< 0.2 U	< 0.2 U	< 0.080	< 1 UM	< 1 UM	< 0.4 U	< 0.4 U	< 1 U	**0.11 F**	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.012 U	< 1 U
Nickel	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	µg/L	< 4 U	< 4 U	**0.32**	**3.45 F**	**4.37 F**	**5.1 F**	**7.7 F**	< 10 U	< 10 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	**3 F**	**12.5 F**
Potassium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	µg/L	**1230**	**1100**	**1700**	**3630**	**3980**	**2838**	**3354**	**3123**	**3417**	**7313**	**7445**	**4182**	**6153**	**3718**	**4950**	**4940**
Selenium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	µg/L	< 1 U	< 1 U	< 2.0	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	**14.7 F**	**10.4 F**	< 30 U	**24.7 F**	< 30 U	< 150 U	< 30 U
Silver	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	µg/L	< 1 U	< 1 U	< 0.10	< 10 UM	< 10 UM	< 10 UM	< 10 UM	< 10 U	< 10 U	< 10 U	< 10 U	**1 F**	< 10 U	< 10 U	< 10 U	< 10 U
Sodium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	µg/L	**2890 M**	**3320 M**	**2100**	**12200 J**	**12500 J**	**11007 J**	**11182 J**	**9627**	**9932**	**8753**	**8522**	**9017**	**7991**	**7621**	**6920**	**6360**
Thallium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	µg/L	< 0.2 U	< 0.2 U	< 0.20	< 80 U	< 80 U	**9.8 F**	**6.1 F**	**16.3 F**	**18.9 F**	**108**	**94.5**	**9.2 F**	**11.1 F**	**37 F**	< 400 U	< 80 U
Vanadium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	µg/L	< 1 U	< 1 U	**0.85**	**6.99 F**	**9.28 F**	< 10 U	**3.3 F**	< 10 U	**3.8 F**	< 10 U	< 10 U	**2.8 F**	**4 F**	**3.4 F**	**3 F**	**6.34 F**
Zinc	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	µg/L	**5.01 F**	**10.2 F**	**3.8**	**22.8**	**23.6**	**20.7 J**	**48.6 J**	< 10 U	**8.3 F**	**7.1 F**	**11.2 F**	< 20 U	**8.9 F**	< 20 U	**16 F**	**71.8**

Appendix B-7
Groundwater Analytical Data, Landfill LF024
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-24-002R	MW-24-002R	MW-24-002R	MW-24-002R	MW-24-002R	MW-24-002R	MW-24-003R	MW-24-003R	MW-24-003R	MW-24-003R	MW-24-003R	MW-24-003R	MW-24-003R	MW-24-003R	MW-24-003R	MW-24-003R
		Sample Date	7/19/2007	6/26/2009	8/31/2010	6/23/2012	7/9/2014	8/1/2018	6/8/2001	11/13/2001	5/23/2002	11/20/2002	5/22/2003	5/22/2003	11/19/2003	11/19/2003	5/20/2004	5/20/2004
		Sample Type	N	N	N	N	N	N	N	N	N	N	N	FD	N	FD	N	FD
Chemical	**Fraction**	**Unit**																
Aluminum	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	µg/L	**2350**	**6100 M**	**5640**	**116**	< 100 U	**670**	**2520 J**	**1131 M**	**665 J**	**594 M**	**562 M**	**758 M**	**2101 M**	**1142 M**	**148 F**	**273**
Antimony	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	µg/L	< 50 U	< 2 U	**3.76**	< 1 U	< 1 U	< 1.0	**4.68 F**	< 50 U	**11.4 F**	**7.7 F**	**4.2 F**	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
Arsenic	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	µg/L	< 30 U	**4.3 F**	**106**	**2.91**	**5.44**	**12**	< 30 U	< 30 U	< 30 U	< 30 U	**9.2 F**	< 30 U	**13.9 F**	**13 F**	**13.4 F**	**12.4 F**
Barium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	µg/L	**52.7**	**98**	**97.4**	**65.7**	**61.7**	**140**	**121**	**91 J**	**114 J**	**154**	**145**	**150**	**166**	**152**	**136**	**138**
Beryllium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	µg/L	< 4 U	< 1 U	< 2 U	< 2 U	< 2 U	< 0.30	< 5 U	< 5 U	< 5 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U
Cadmium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	µg/L	< 5 U	**0.31 F**	< 0.6 U	**2.27**	< 0.6 U	< 1.0	< 7 U	< 7 U	< 7 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Calcium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	µg/L	**103000**	**97000**	**90700 B**	**90900**	**108000 M**	**54000**	**111000**	**105573**	**121692**	**170771 M**	**167599 M**	**172098 M**	**166689**	**165037**	**168762 M**	**170302 M**
Chromium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	µg/L	**8.09 F**	**9.8 J**	**13.7**	**1.17 F**	< 2 U	**3.2**	**3 F**	**3.8 F**	< 10 U	**1.6 F**	**1 F**	**1.3 F**	**4.9 F**	**4 F**	**1.6 F**	**2.5 F**
Cobalt	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	µg/L	< 10 U	**5.5 J**	**6.83**	**0.626 F**	**1.76**	**1.3**	**4.3 F**	< 6 U	< 6 U	< 60 U	**0.9 F**	**0.9 F**	**1.5 F**	< 60 U	< 60 U	< 60 U
Copper	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	µg/L	**2.95 F**	**8.2 J**	**10.9**	**5.33**	< 2 U	**3.2**	< 10 U	**5.1 F**	< 10 U	< 10 U	< 10 U	< 10 U	**3.6 F**	< 10 U	**6 F**	**6.8 F**
Iron	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	µg/L	**6060**	**13000 M**	**10700**	**30400 M**	**11100 M**	**23000**	**25500 J**	**20385 M**	**29382 J**	**34406 J**	**37116**	**42424**	**42759**	**40835**	**41427**	**47846**
Lead	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	µg/L	< 25 U	**3.1**	**6.07**	**0.552 F**	< 1 U	**2.2**	< 25 U	**2.6 F**	< 25 U	< 25 U	**4.4 F**	**3.5 F**	< 25 U	< 25 U	< 25 U	< 25 U
Magnesium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	µg/L	**13200**	**15000**	**12700**	**8800**	**14100 M**	**5200**	**18700**	**19302**	**20419**	**26634**	**25374**	**25372**	**22862 J**	**21921 J**	**17886**	**17496**
Manganese	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	µg/L	**13000**	**13000**	**11500**	**715**	**12500 M**	**1700**	**1050**	**804**	**1160**	**1543**	**1403 M**	**1484 M**	**1596**	**1567**	**1333**	**1430**
Mercury	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	µg/L	< 1 U	**0.048 F**	**0.144 F**	< 0.2 U	< 0.2 U	< 0.080	< 1 UM	< 0.4 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Nickel	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	µg/L	**3.8 F**	**13 J**	**17.6**	**5.64**	**2.42 F**	**3.1**	**3.27 F**	< 10 U	< 10 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Potassium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	µg/L	**5130**	**5400**	**4590**	**4290**	**2910**	**16000**	**6180**	**5594**	**5978**	**7893**	**6985**	**7410**	**8336**	**8256**	**7720**	**7953**
Selenium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	µg/L	**6.33 F**	< 5 U	**0.706 F**	< 1 U	< 1 U	< 2.0	< 30 U	< 30 U	< 30 U	**9.8 F**	< 30 U	< 30 U	**14.1 F**	**8.2 F**	< 30 U	< 30 U
Silver	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	µg/L	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.10	< 10 UM	< 10 UM	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
Sodium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	µg/L	**8410**	**8300**	**7840 B**	**4630**	**8260 M**	**2800**	**7660 J**	**8175 J**	**7612**	**9081**	**7991**	**8023**	**7936**	**7865**	**7567**	**7557**
Thallium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	µg/L	< 80 U	**0.089 F**	**0.129 F**	< 0.2 U	< 0.2 U	< 0.20	< 80 U	< 80 U	**9 F**	**16.1 F**	**6.4 F**	**9.4 F**	< 80 U	< 80 U	**47.3 F**	**44.7 F**
Vanadium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	µg/L	**4.71 F**	**11**	**13.8**	**1.2 J**	**0.65 F**	**1.6**	**11.8**	**10.5**	< 10 U	< 10 U	< 10 U	**2.6 F**	**6.2 F**	< 10 U	**3.7 F**	**5.5 F**
Zinc	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	µg/L	**13.6 F**	**82 J**	**25.5**	**42.4 J**	< 20 U	**24**	**21.8**	**22.5 J**	**13.2**	**11 F**	**7.9 F**	**11 F**	**34.6**	**17.3 F**	**5.7 F**	**7.4 F**

Appendix B-7
Groundwater Analytical Data, Landfill LF024
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-24-003R	MW-24-003R	MW-24-003R	MW-24-003R	MW-24-003R	MW-24-003R	MW-24-003R	MW-24-003R	MW-24-003R	MW-24-003R	MW-24-003R	MW-24-003R	MW-24-004R	MW-24-004R	MW-24-004R	MW-24-004R
		Sample Date	5/24/2005	5/24/2005	6/14/2006	6/14/2006	7/19/2007	7/19/2007	6/26/2009	6/26/2009	6/28/2010	6/23/2012	7/8/2014	8/2/2018	6/8/2001	11/13/2001	5/23/2002	11/20/2002
		Sample Type	N	FD	N	FD	N	FD	N	FD	N	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**																
Aluminum	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	µg/L	**320 M**	**1270 M**	**474 J**	**1100 J**	**133 F**	**77.5 F**	**2200 M**	**1500 M**	< 100 UJ	< 100 U	< 100 U	**40**	**3240 J**	**854 M**	**1304 J**	**232 M**
Antimony	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	µg/L	< 50 UM	< 50 UM	< 50 U	< 50 U	**1.69 F**	< 50 U	< 2 U	< 2 U	< 1 U	< 1 U	< 1 U	< 1.0	**4.47 F**	**5.5 F**	**10.6 F**	**8.2 F**
Arsenic	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	µg/L	< 30 U	< 30 U	**2.27 F**	**3.38 F**	< 30 U	< 30 U	**2.4 F**	**1.4 F**	**2.96**	**3.93**	**4.65**	**11**	< 150 U	< 30 U	< 30 U	< 30 U
Barium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	µg/L	**114 J**	**118 J**	**104**	**119**	**115**	**124**	**120**	**110**	**85.2 J**	**82.9**	**113**	**180**	**51.4**	**50.2 J**	**51 J**	**45.1 F**
Beryllium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	µg/L	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 1 U	< 1 U	< 2 U	< 2 U	< 2 U	< 0.30	< 5 U	< 5 U	< 5 U	< 4 U
Cadmium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	µg/L	< 5 U	< 5 U	< 5 U	**0.33 F**	< 5 U	< 5 U	**0.33 F**	**0.16 F**	< 0.6 U	< 0.6 U	**0.461 F**	**2.3**	< 35 U	< 7 U	< 7 U	< 5 U
Calcium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	µg/L	**135700**	**140200**	**135000**	**137000**	**128000**	**127000**	**130000**	**130000**	**142000 M**	**124000**	**156000 M**	**110000**	**128000**	**72214**	**70319**	**67987 M**
Chromium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	µg/L	**1 F**	**3 F**	**2.03 F**	**3.54 F**	< 10 U	< 10 U	**3.3 J**	**2.3 J**	**2.8 J**	**1.22 F**	< 2 U	**1.8**	< 50 U	**2.3 F**	**3.1 F**	**1.1 F**
Cobalt	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	µg/L	< 60 U	< 60 U	< 60 U	**1.8 F**	< 50 U	< 60 U	**2.2 J**	**1.6 J**	**0.971 J**	< 1 U	< 1 U	**0.51**	**4.26 F**	**2.2 F**	< 6 U	**0.9 F**
Copper	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	µg/L	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	**3.4 J**	**2.3 J**	**2.25 J**	**4.33**	< 2 U	**1.8**	< 10 U	**3.4 F**	< 10 U	< 10 U
Iron	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	µg/L	**29157 M**	**35696 M**	**33400**	**39400**	**24400**	**21100**	**37000 M**	**32000 M**	**28500 J**	**39000 M**	**46700 M**	**32000**	**4370 J**	**4204 M**	**2918 J**	**989 J**
Lead	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	µg/L	**1 F**	**1.9 F**	< 25 U	< 25 U	< 25 U	< 25 U	**2.8**	**2 F**	< 1 U	< 1 U	< 1 U	**1.6**	< 125 U	< 25 U	< 25 U	< 25 U
Magnesium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	µg/L	**16310**	**16920**	**14600**	**14700**	**13500**	**13200**	**16000**	**15000**	**13300 J**	**11800**	**14900 M**	**17000**	**23500**	**21130**	**21758**	**20994**
Manganese	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	µg/L	**1029 J**	**1082 J**	**950**	**1000**	**992**	**989**	**950**	**990**	**987 M**	**933**	**999 M**	**4700**	**14500**	**1451**	**761**	**616**
Mercury	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	µg/L	< 1 U	**0.02 F**	< 1 U	< 1 U	< 1 U	< 1 U	**0.044 F**	**0.12 F**	< 0.2 U	< 0.2 U	< 0.2 U	< 0.080	< 1 UM	< 0.4 U	< 1 U	< 1 U
Nickel	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	µg/L	< 20 U	**2 F**	< 20 U	**2.24 F**	< 20 U	**1.26 F**	**3.4 J**	**2.3 J**	**7.11 J**	**5.28**	**2.2 F**	**1.4**	**10.1**	**2.6 F**	< 10 U	< 20 U
Potassium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	µg/L	**6520**	**6620**	**6830**	**7300**	**7310**	**7620**	**7100**	**6900**	**6200**	**5640**	**6460**	**4600**	**4090**	**2834**	**2762**	**3432**
Selenium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	µg/L	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 5 U	< 5 U	< 1 U	**0.572 F**	< 1 U	< 2.0	< 150 U	< 30 U	< 30 U	< 30 U
Silver	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	µg/L	**1 F**	**1 F**	< 10 U	**1.45 F**	< 10 U	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.10	**2.52 MF**	< 10 UM	< 10 U	< 10 U
Sodium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	µg/L	**6270**	**6350**	**6190**	**6350**	**6380**	**6390**	**7400**	**7000**	**6960 J**	**5830**	**7000 M**	**11000**	**11100 J**	**11500 J**	**11346**	**11418**
Thallium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	µg/L	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	**0.099 F**	**0.051 F**	< 0.2 U	< 0.2 U	< 0.2 U	< 0.20	< 400 U	**10 F**	**5.6 F**	**6.2 F**
Vanadium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	µg/L	**2 F**	**4 F**	**2.33 F**	**4.78 F**	**1.02 F**	**0.94 F**	**5.6**	**4.1 F**	**1.43 J**	**1.2 J**	**0.625 F**	**5.0**	< 50 U	**3.6 F**	< 10 U	< 10 U
Zinc	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	µg/L	**8 F**	**25**	**13.5 F**	**19.5 F**	< 20 U	< 20 U	**41 J**	**24 J**	**12.6 F**	**68 J**	**11 F**	**8.7**	< 50 U	**25.2 J**	**14.3**	**7.4 F**

Appendix B-7
Groundwater Analytical Data, Landfill LF024
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-24-004R	MW-24-004R	MW-24-004R	MW-24-004R	MW-24-004R	MW-24-004R	MW-24-004R	MW-24-004R	MW-24-004R	MW-24-004R	MW-24-004R	MW-24-004R	MW-24-005	MW-24-005	MW-24-005	MW-24-005
		Sample Date	5/22/2003	11/19/2003	5/20/2004	5/25/2005	6/14/2006	7/17/2007	6/26/2009	6/28/2010	6/28/2010	6/23/2012	7/8/2014	8/2/2018	6/8/2001	11/13/2001	5/23/2002	11/20/2002
		Sample Type	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**																
Aluminum	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	µg/L	**292 M**	**629 M**	**174 F**	**60 M**	**699 J**	**133 F**	**1700 M**	**415 J**	**1740 J**	**276**	< 100 U	**320**	**518 J**	**218 M**	**134 F**	**16.8 MF**
Antimony	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	µg/L	< 50 U	< 50 U	< 50 U	< 50 UM	< 50 U	< 50 U	**0.44 F**	< 1 U	**4.18**	< 1 U	< 1 U	< 1.0	**5.19 F**	**3.5 F**	**16.4 F**	**9.3 F**
Arsenic	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	µg/L	**7.5 F**	**8.5 F**	**13.1 F**	< 30 U	< 30 U	< 30 U	< 5 U	**0.648 F**	**106**	**0.657 F**	**1.23**	**0.60**	< 150 U	< 30 U	< 30 U	< 30 U
Barium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	µg/L	**48 F**	**44.4 F**	**32.5 F**	**44.8 J**	**59.4**	**58.9**	**48**	**43.6 J**	**54.8 J**	**39.4**	**56.1**	**43**	**63.3**	**58.7 J**	**54.6 J**	**62.5**
Beryllium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	µg/L	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 1 U	< 2 U	< 2 U	< 2 U	< 2 U	< 0.30	< 5 U	< 5 U	< 5 U	< 4 U
Cadmium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	µg/L	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	**0.1 F**	**0.39 F**	**0.787**	**3.23**	**1.47**	**6.1**	< 35 U	< 7 U	< 7 U	< 5 U
Calcium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	µg/L	**71184 M**	**69708**	**61850 M**	**61630**	**64400**	**67900**	**57000**	**53700 M**	**43800 M**	**64700**	**77600 M**	**64000**	**199000**	**173777**	**158539**	**175538 M**
Chromium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	µg/L	**0.9 F**	**1.3 F**	< 10 U	**2 F**	**4.81 F**	**3.27 F**	**2.7 J**	**3 J**	**7.04 J**	**1.97 F**	< 2 U	**0.94**	< 50 U	< 10 U	< 10 U	**1.4 F**
Cobalt	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	µg/L	**1.9 F**	**1.7 F**	**0.7 F**	< 60 U	**3.8 F**	< 60 U	**0.99 J**	**1.6 J**	**2.43 J**	**1.12**	**3.43**	**1.2**	**4.78 F**	**3.3 F**	**3.3 F**	**3.4 F**
Copper	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	µg/L	< 10 U	< 10 U	< 10 U	< 10 U	**1.67 F**	< 10 U	**2.4 J**	**3.26 J**	**6.52 J**	**1.64 F**	< 2 U	**1.0**	< 10 U	**1.8 F**	< 10 U	< 10 U
Iron	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	µg/L	**864**	**1658**	**1156**	**683 M**	**2890**	**377**	**4200 M**	**1010 J**	**3440 J**	**985 M**	**2430 M**	**1600**	**1690 J**	**2094 M**	**2980 J**	**4885 J**
Lead	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	µg/L	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	**0.98 F**	**0.931 F**	**3.65**	< 1 U	< 1 U	**0.29**	< 125 U	< 25 U	< 25 U	< 25 U
Magnesium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	µg/L	**21221**	**22076 J**	**17988**	**19660**	**20000**	**18300**	**17000**	**13400 J**	**10200 J**	**15500**	**17100 M**	**14000**	**24600**	**22502**	**17155**	**21067**
Manganese	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	µg/L	**789 M**	**1049**	**881**	**972 J**	**738**	**236**	**180**	**619 M**	**753 M**	**340**	**1850 M**	**550**	**24800**	**8768**	**20077**	**19456**
Mercury	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	µg/L	< 1 U	< 1 U	< 1 U	< 0.012 U	< 1 U	< 1 U	**0.09 F**	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.080	< 1 UM	< 0.4 U	< 1 U	< 1 U
Nickel	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	µg/L	< 20 U	< 20 U	< 20 U	**2 F**	**1.55 F**	**1.45 F**	**2.2 J**	**5.7 J**	**7.57 J**	**4.74**	**4.52**	**2.0**	**7.51 F**	**5.4 F**	< 10 U	< 20 U
Potassium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	µg/L	**2955**	**3203**	**1991**	**2890**	**2060**	**2460**	**2000**	**1210**	**1420**	**1120**	**1620**	**1000**	**11500**	**11067**	**10077**	**10597**
Selenium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	µg/L	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 5 U	< 1 U	**0.501 F**	< 1 U	< 1 U	< 2.0	< 150 U	< 30 U	< 30 U	**16.5 F**
Silver	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	µg/L	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.10	**3.53 MF**	< 10 UM	< 10 U	< 10 U
Sodium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	µg/L	**9202**	**10965**	**8442**	**5780**	**5540**	**5890**	**7200**	**5550 J**	**4280 J**	**6840**	**6700 M**	**7400**	**13100 J**	**10243 J**	**8279**	**9670**
Thallium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	µg/L	< 80 U	< 80 U	**43.1 F**	< 80 U	< 80 U	< 80 U	< 1 U	< 0.2 U	**0.12 F**	< 0.2 U	**0.102 F**	< 0.20	< 400 U	**11 F**	**21.6 F**	**164**
Vanadium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	µg/L	< 10 U	< 10 U	< 10 U	< 10 U	**2.33 F**	< 10 U	**3.4 F**	**1.96 J**	**6.39 J**	**0.97 J**	**0.51 F**	**0.68**	< 50 U	< 10 U	**2.5 F**	< 10 U
Zinc	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	µg/L	**6.8 F**	**6.5 F**	**4.5 F**	**12 F**	**34.7**	**10.5 F**	**19 J**	**14.3 F**	**27.5**	**10.4 J**	**32.6**	**18**	< 50 U	**43.8 J**	< 10 U	**9.2 F**

Appendix B-7
Groundwater Analytical Data, Landfill LF024
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-24-005	MW-24-005	MW-24-005	MW-24-005	MW-24-005	MW-24-005	MW-24-005	MW-24-005	MW-24-005	MW-24-005	MW-24-005	MW-24-005
		Sample Date	5/22/2003	11/19/2003	5/20/2004	5/25/2005	6/14/2006	7/17/2007	6/26/2009	6/28/2010	6/23/2012	7/8/2014	8/2/2018	8/2/2018
		Sample Type	N	N	N	N	N	N	N	N	N	N	N	FD
Chemical	**Fraction**	**Unit**												
Aluminum	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	µg/L	**147 M**	**176 M**	**53.8 F**	**130 M**	**95.5 J**	**48.5 F**	**280 M**	< 100 UJ	< 100 U	< 100 U	**190**	**60**
Antimony	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	µg/L	< 50 U	< 50 U	< 50 U	< 50 UM	< 50 U	< 50 U	< 2 U	**0.581 F**	< 1 U	< 1 U	< 1.0	< 1.0
Arsenic	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	µg/L	**8.3 F**	**8.4 F**	**9 F**	< 30 U	< 30 U	< 30 U	**0.43 F**	**1.78**	**2.22**	**2.65**	**52**	**7.1**
Barium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	µg/L	**66**	**71.2**	**49.5 F**	**95.8 J**	**88**	**107**	**110**	**99.8 J**	**93.8**	**189**	**440**	**120**
Beryllium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	µg/L	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 1 U	< 2 U	**0.567 F**	< 2 U	**0.12**	< 0.30
Cadmium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	µg/L	< 5 U	< 5 U	< 5 U	< 5 U	**0.32 F**	< 5 U	**0.78 F**	< 0.6 U	**1.42**	**3.62**	**8.3**	**4.0**
Calcium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	µg/L	**167412 M**	**182544**	**117667 M**	**144400**	**73100**	**108000**	**110000**	**107000 M**	**89100**	**94400 M**	**130000**	**150000**
Chromium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	µg/L	< 10 U	**1.4 F**	< 10 U	**1 F**	**5.55 F**	**5.82 F**	**1.1 J**	**2.92 J**	**1.54 F**	< 2 U	**7.5**	**1.7**
Cobalt	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	µg/L	**4.1 F**	**3.4 F**	< 60 U	< 60 U	**2.4 F**	< 60 U	**1.1 J**	**1.06 J**	**0.702 F**	**0.955 F**	**0.97**	**0.23**
Copper	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	µg/L	< 10 U	< 10 U	< 10 U	< 10 U	**2.21 F**	< 10 U	**1.4 J**	< 2 UJ	< 2 U	**7.27**	**11**	**0.57**
Iron	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	µg/L	**11166**	**6021**	**2538**	**1878 M**	**3000**	**1160**	**3000 M**	**2360 J**	**11100 M**	**8940 M**	**160000**	**64000**
Lead	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	µg/L	< 25 U	< 25 U	< 25 U	**3.4 F**	< 25 U	< 25 U	**0.59 F**	< 1 U	< 1 U	< 1 U	**7.4**	**0.30**
Magnesium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	µg/L	**18306**	**19751 J**	**12641**	**16660**	**9720**	**15200**	**16000**	**11900 J**	**15000**	**11400 M**	**19000**	**14000**
Manganese	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	µg/L	**16059 M**	**17428**	**11439**	**14520 J**	**6960**	**11400**	**9500**	**9300 M**	**5840**	**9290 M**	**5500**	**940**
Mercury	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	µg/L	< 1 U	< 1 U	< 1 U	**0.014 F**	< 1 U	< 1 U	**0.13 F**	< 0.2 U	< 0.2 U	< 0.2 U	**0.065**	< 0.080
Nickel	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	µg/L	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	**1.5 J**	**6.07 J**	**4.26**	**3.33 F**	**3.4**	**3.1**
Potassium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	µg/L	**9967**	**10825**	**7043**	**6880**	**5810**	**5910**	**5400**	**4590**	**3990**	**4100**	**5100**	**6100**
Selenium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	µg/L	< 30 U	**24.6 F**	< 30 U	< 150 U	< 30 U	**5.61 F**	**0.59 F**	**0.602 F**	**0.616 F**	< 1 U	< 2.0	< 2.0
Silver	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	µg/L	**1.3 F**	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.10	< 0.10
Sodium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	µg/L	**10348**	**9098**	**10006**	**7380**	**7510**	**8960**	**8400**	**7500 J**	**8010**	**6900 M**	**12000**	**7400**
Thallium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	µg/L	**8 F**	< 80 U	**40.6 F**	< 400 U	< 80 U	< 80 U	< 1 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.20	< 0.20
Vanadium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	µg/L	**2.9 F**	< 10 U	**4.7 F**	< 10 U	< 10 U	< 10 U	**1.2 F**	**1.26 J**	**1.19 J**	**1**	**26**	**0.60**
Zinc	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	µg/L	< 20 U	< 20 U	< 20 U	**9 F**	**57.5**	**10.5 F**	**8.7 J**	< 20 U	**5.06 J**	**15.2 F**	**33**	**14**

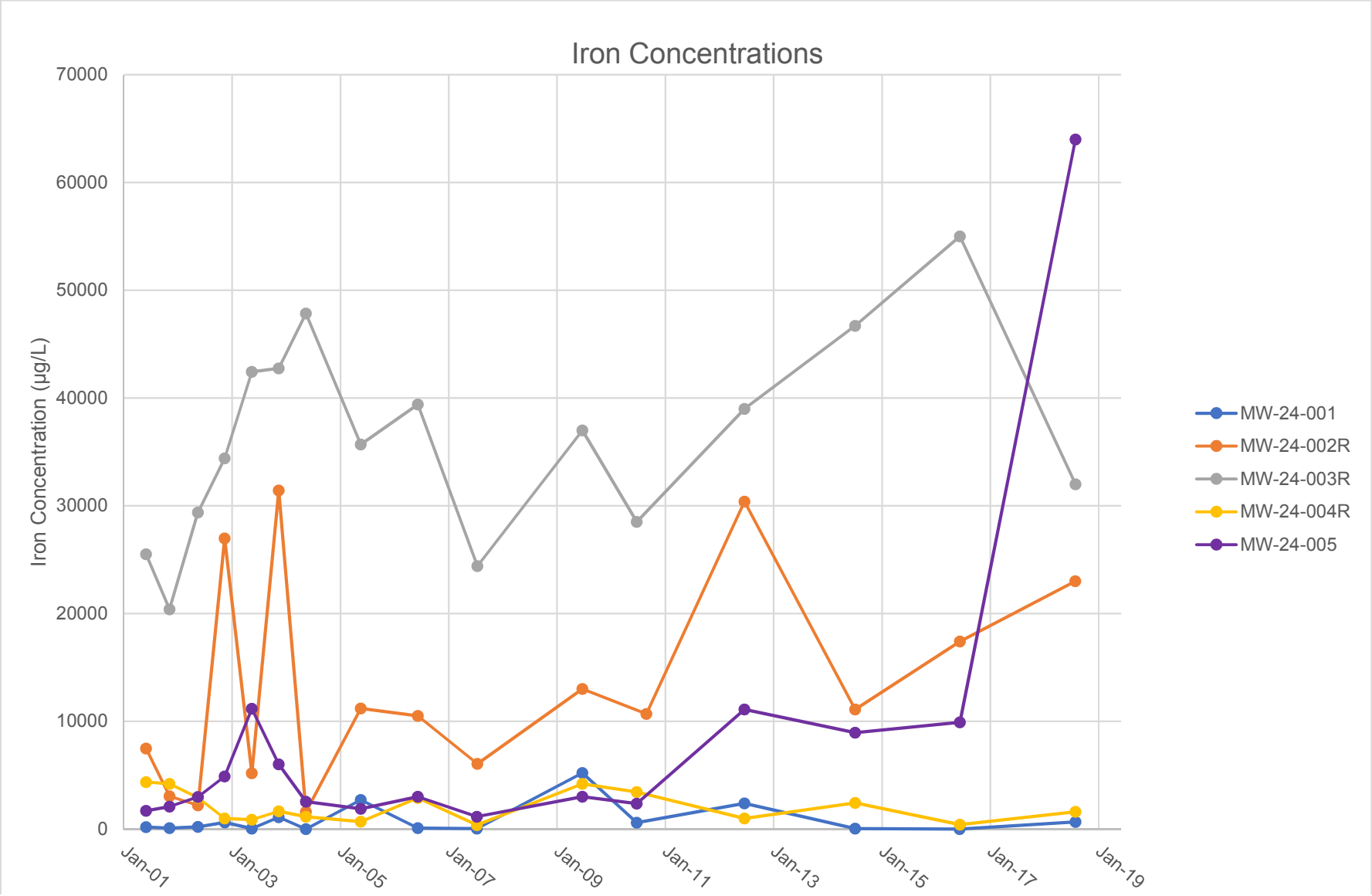
Notes:

Detections are **boldfaced**

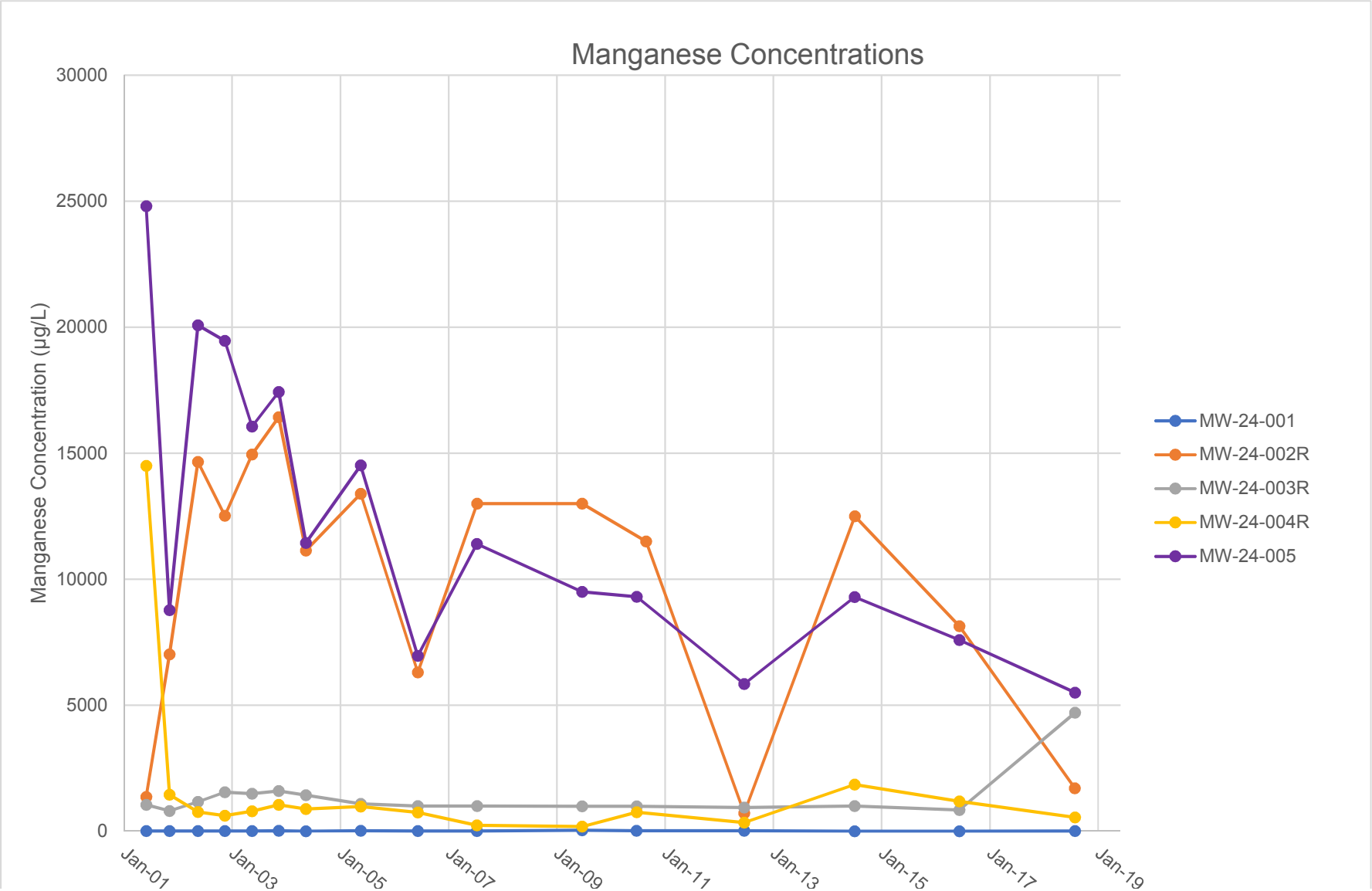
µg/L: micrograms per liter
FD: field duplicate
D: Dissolved
mg/L: miligrams per liter
N: normal (parent) sample
NA: not analyzed
T: Total

Data Qualifiers:
B: The analyte was found in the associated blank, as well as in the sample.
J: The compound was positively identified; however, the associated numerical value is an estimated concentration only.
M: The analyte in question was quantitated using peak heights rather than peak areas for both the analyte and its internal standard.
U: The compound was analyzed for but not detected. The associated value is the compound quantitation limit.
UJ: The compound was not detected above the reported sample quantitation limit. However, the reported limit is approximate and may or may not represent the actual limit of quantitation.

Former Plattsburgh Air Force Base
Plattsburgh, New York
Landfill LF024

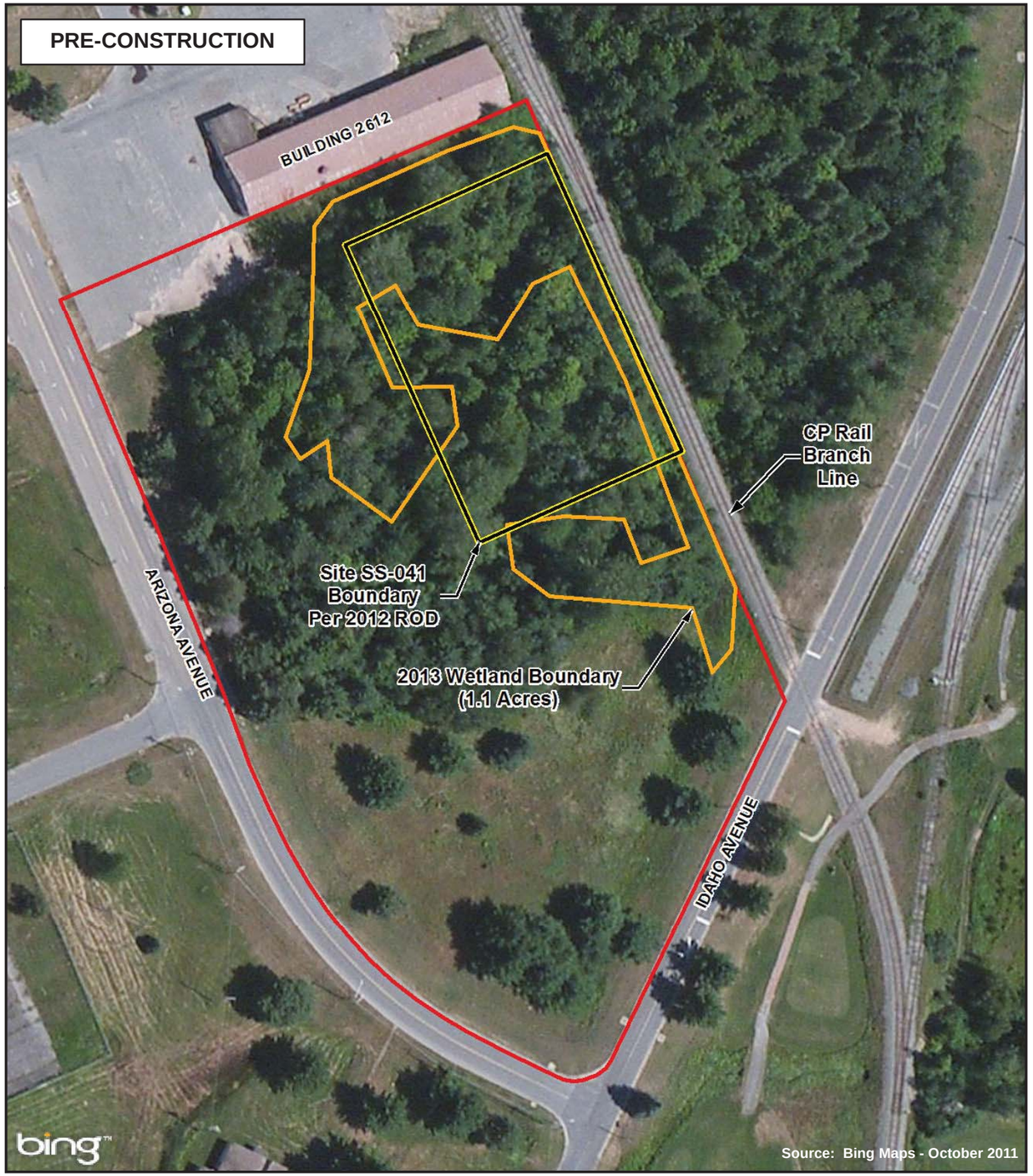


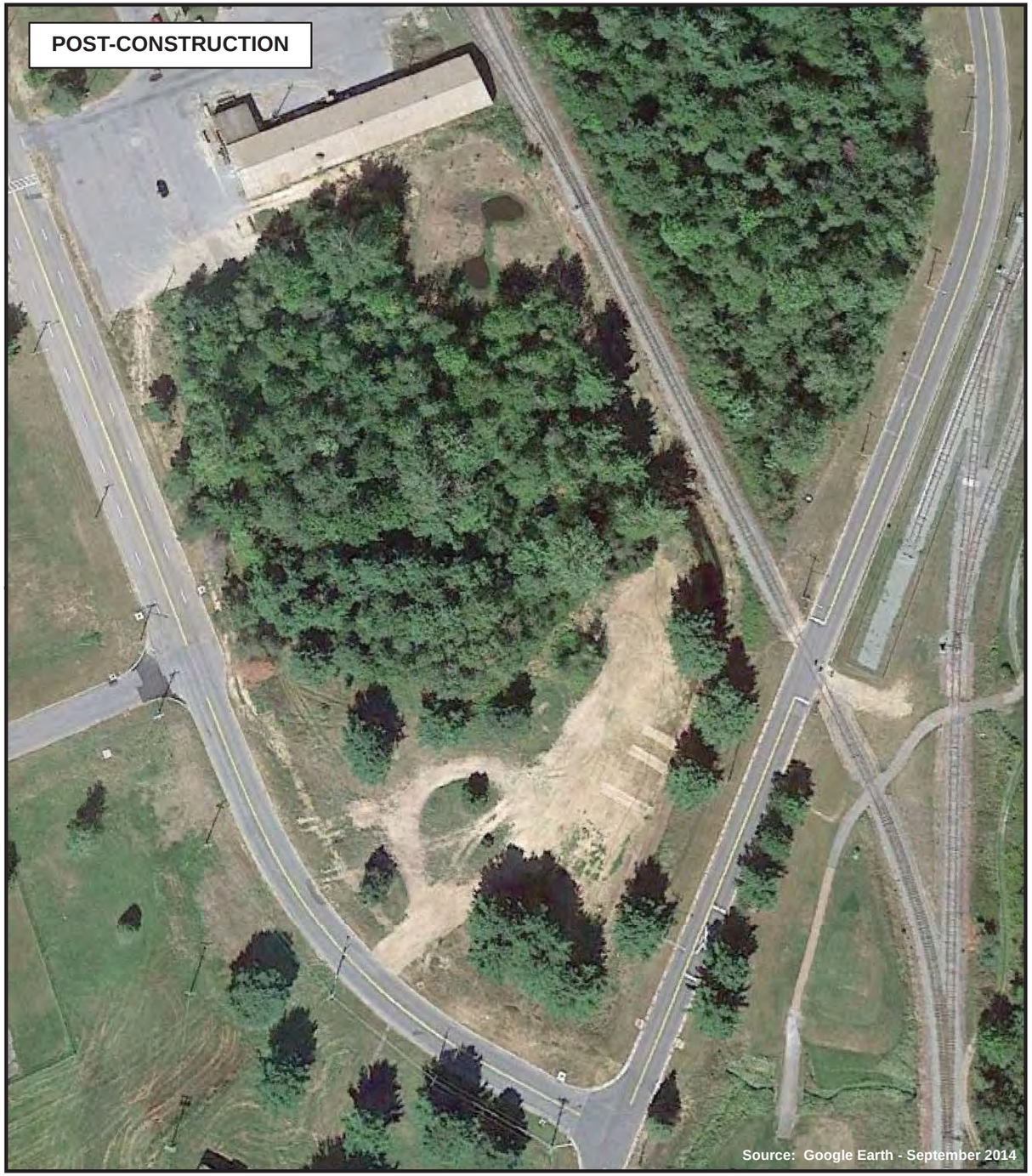
Former Plattsburgh Air Force Base
Plattsburgh, New York
Landfill LF024



APPENDIX B-8

Site SS041





Legend

Soil Remediation Project Area

100 0 100 Feet

FORMER PLATTSBURGH AIR FORCE BASE
SITE SS-041 BUILDING 2612
PRE/POST CONSTRUCTION AERIALS

URS

FIGURE 2

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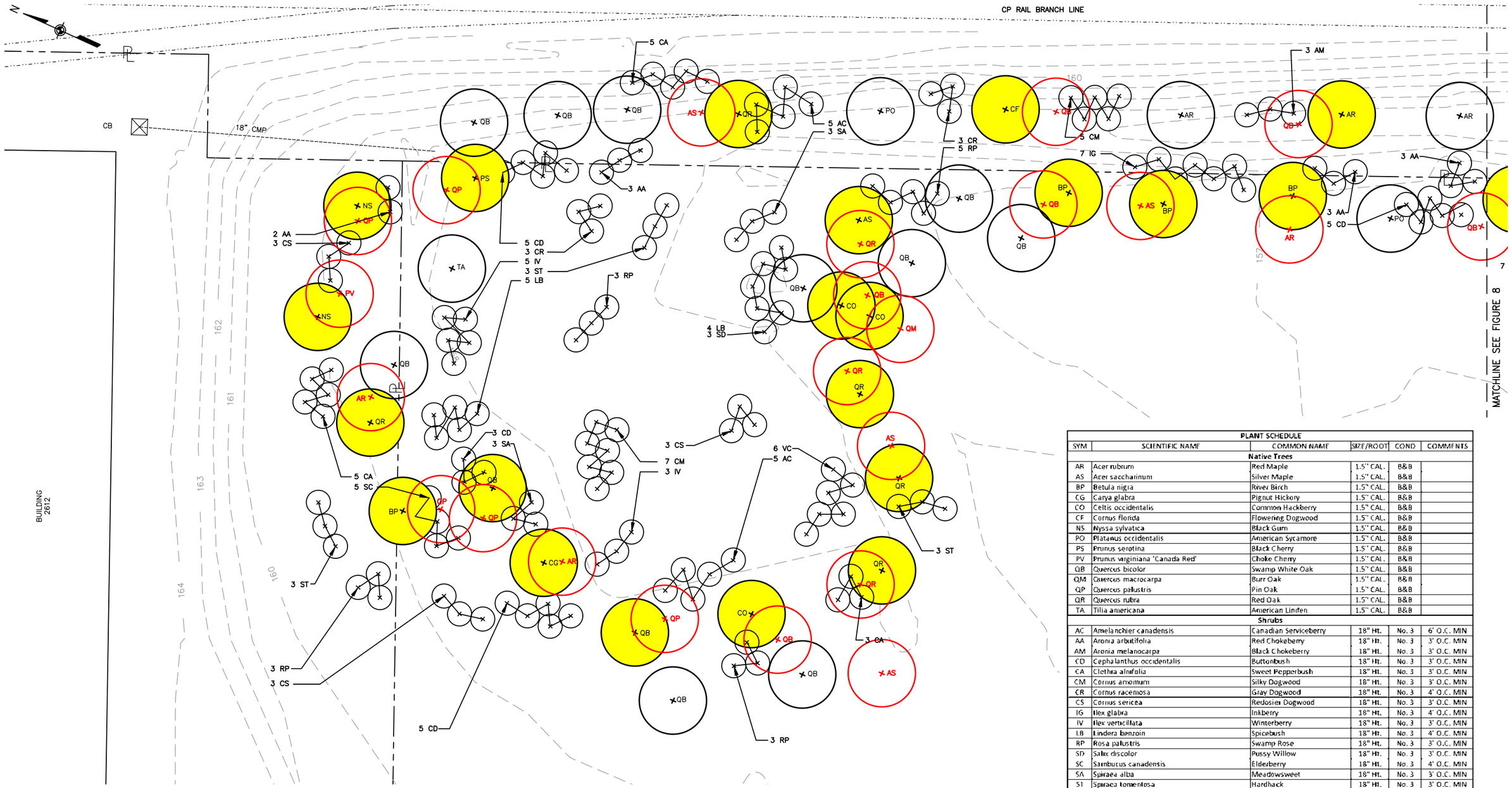

PLANT SCHEDULE					
SYM	SCIENTIFIC NAME	COMMON NAME	SIZE/ROOT	COND	COMMENTS
		Native Trees			
AR	Acer rubrum	Red Maple	1.5" CAL.	B&B	
AS	Acer saccharinum	Silver Maple	1.5" CAL.	B&B	
BP	Betula nigra	River Birch	1.5" CAL.	B&B	
CG	Carya glabra	Pignut Hickory	1.5" CAL.	B&B	
CO	Celtis occidentalis	Common Hackberry	1.5" CAL.	B&B	
CF	Cornus florida	Flowering Dogwood	1.5" CAL.	B&B	
NS	Nyssa sylvatica	Black Gum	1.5" CAL.	B&B	
PO	Platanus occidentalis	American Sycamore	1.5" CAL.	B&B	
PS	Prunus serotina	Black Cherry	1.5" CAL.	B&B	
PV	Prunus virginiana 'Canada Red'	Choke Cherry	1.5" CAL.	B&B	
QB	Quercus bicolor	Swamp White Oak	1.5" CAL.	B&B	
QM	Quercus macrocarpa	Burr Oak	1.5" CAL.	B&B	
QP	Quercus palustris	Pin Oak	1.5" CAL.	B&B	
QR	Quercus rubra	Red Oak	1.5" CAL.	B&B	
TA	Tilia americana	American Linden	1.5" CAL.	B&B	
		Shrubs			
AC	Amelanchier canadensis	Canadian Serviceberry	18" Ht.	No. 3	6' O.C. MIN
AA	Aronia arbutifolia	Red Chokeberry	18" Ht.	No. 3	3' O.C. MIN
AM	Aronia melanocarpa	Black Chokeberry	18" Ht.	No. 3	3' O.C. MIN
CD	Cephalanthus occidentalis	Buttonbush	18" Ht.	No. 3	3' O.C. MIN
CA	Clethra alnifolia	Sweet Pepperbush	18" Ht.	No. 3	3' O.C. MIN
CM	Cornus amomum	Silky Dogwood	18" Ht.	No. 3	3' O.C. MIN
CR	Cornus racemosa	Gray Dogwood	18" Ht.	No. 3	4' O.C. MIN
CS	Cornus sericea	Redosier Dogwood	18" Ht.	No. 3	3' O.C. MIN
IG	Ilex glabra	Inkberry	18" Ht.	No. 3	4' O.C. MIN
IV	Ilex verticillata	Winterberry	18" Ht.	No. 3	3' O.C. MIN
LB	Lindera benzoin	Spicebush	18" Ht.	No. 3	4' O.C. MIN
RP	Rosa palustris	Swamp Rose	18" Ht.	No. 3	3' O.C. MIN
SD	Salix discolor	Pussy Willow	18" Ht.	No. 3	3' O.C. MIN
SC	Sambucus canadensis	Elderberry	18" Ht.	No. 3	4' O.C. MIN
SA	Spiraea alba	Meadowsweet	18" Ht.	No. 3	3' O.C. MIN
ST	Spiraea tomentosa	Hardhack	18" Ht.	No. 3	3' O.C. MIN
VC	Vaccinium corymbosum	Highbush Blueberry	18" Ht.	No. 3	4' O.C. MIN

LEGEND:

- WETLAND BOUNDARY
- 160 SURFACE ELEVATION–FEET
- RAILROAD
- PROPERTY LINE
- CB CATCH BASIN
- MH MANHOLE
- UP UTILITY POLE
- CMP CORRUGATED METAL PIPE
- CG DEAD OR DYING TREES IDENTIFIED DURING SITE VISIT PERFORMED ON 9–2–2015
- AS TREE REPLACEMENTS PLANTED ON 9–17–2015

NOTES:

1. HORIZONTAL DATUM IS BASED UPON THE NEW YORK STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1927 (NAD27).
2. VERTICAL DATUM IS BASED UPON THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD29).

10' 0 10'
SCALE IN FEET

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NO.	MADE BY	APPROVED BY	DATE	DESCRIPTION

REVISIONS

DESIGNED BY: BJP
DRAWN BY: RAL
CHECKED BY: DH
PROJ. ENGR. DH

URS Group, Inc.
77 Goodell Street, Buffalo, New York 14203
(716)856-5636 - (716)856-2545 fax

JOB NO. 11176891

UNITED STATES AIR FORCE
AFCEC CONTRACT
NO. FA 4890-06-D-0006
DELIVERY ORDER 0005

SITE SS-041
REMEDIAL ACTION
COMPLETION REPORT

RESTORATION PLANTINGS -
NORTHERN PORTION OF SITE

Scale: AS SHOWN | Date: OCT. 2015 | FIGURE 3

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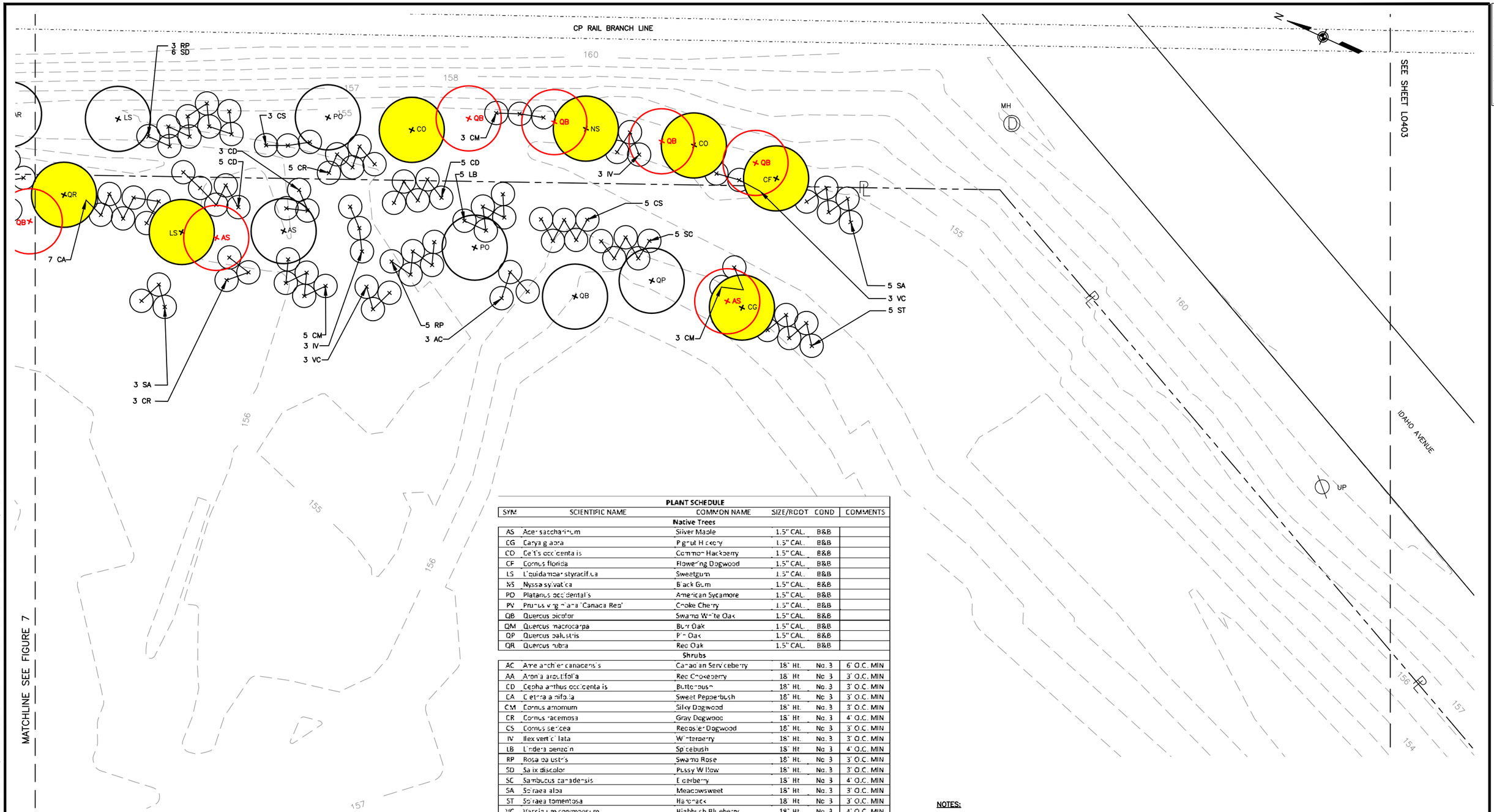

PLANT SCHEDULE

SYM	SCIENTIFIC NAME	COMMON NAME	SIZE/ROOT	COND	COMMENTS
	Native Trees				
AS	Acer saccharinum	Silver Maple	1.5" CAL.	B&B	
CG	Carya glabra	Pignut Hickory	1.5" CAL.	B&B	
CO	Celtis occidentalis	Common Hackberry	1.5" CAL.	B&B	
CF	Cornus florida	Flowering Dogwood	1.5" CAL.	B&B	
LS	Liquidambar styraciflua	Sweetgum	1.5" CAL.	B&B	
NS	Nyssa sylvatica	Black Gum	1.5" CAL.	B&B	
PO	Platanus occidentalis	American Sycamore	1.5" CAL.	B&B	
PV	Prunus virginiana 'Canada Red'	Choke Cherry	1.5" CAL.	B&B	
QB	Quercus bicolor	Swamp White Oak	1.5" CAL.	B&B	
QM	Quercus macrocarpa	Burr Oak	1.5" CAL.	B&B	
QP	Quercus palustris	Pin Oak	1.5" CAL.	B&B	
QR	Quercus rubra	Red Oak	1.5" CAL.	B&B	
	Shrubs				
AC	Amelanchier canadensis	Canadian Serviceberry	18" Ht.	No. 3	6' O.C. MIN
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LB	Lindera benzoin	Spicebush	18" Ht.	No. 3	4' O.C. MIN
RP	Rosa palustris	Swamp Rose	18" Ht.	No. 3	3' O.C. MIN
SD	Salix discolor	Pussy Willow	18" Ht.	No. 3	3' O.C. MIN
SC	Sambucus canadensis	Elderberry	18" Ht.	No. 3	4' O.C. MIN
SA	Spiraea alba	Meadowsweet	18" Ht.	No. 3	3' O.C. MIN
ST	Spiraea tomentosa	Hardhack	18" Ht.	No. 3	3' O.C. MIN
VC	Vaccinium corymbosum	Highbush Blueberry	18" Ht.	No. 3	4' O.C. MIN

NOTES:

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2. VERTICAL DATUM IS BASED UPON THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD29).

LEGEND:

- WETLAND BOUNDARY
- 160 — SURFACE ELEVATION–FEET
- RAILROAD
- PROPERTY LINE
- CB — CATCH BASIN
- MH — MANHOLE
- UP — UTILITY POLE
- CMP — CORRUGATED METAL PIPE
- CG — DEAD OR DYING TREES IDENTIFIED DURING SITE VISIT PERFORMED ON 9–2–2015
- AS — TREE REPLACEMENTS PLANTED ON 9–17–2015

10' 0 10'
SCALE IN FEET

WARNING
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REVISIONS

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DRAWN BY: RAL
CHECKED BY: DH
PROJ. ENGR. DH

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UNITED STATES AIR FORCE
AFCEC CONTRACT
NO. FA 4890-06-D-0006
DELIVERY ORDER 0005

SITE SS-041
REMEDIAL ACTION
COMPLETION REPORT

RESTORATION PLANTINGS -
CENTRAL PORTION OF SITE

Scale: AS SHOWN | Date: OCT. 2015 | FIGURE 4

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For scale, from the extent of this sheet, the 10" dimension is equivalent to 20' when plotted with the specified plot scale. If the dimension is not 10", then the drawing is not to scale.

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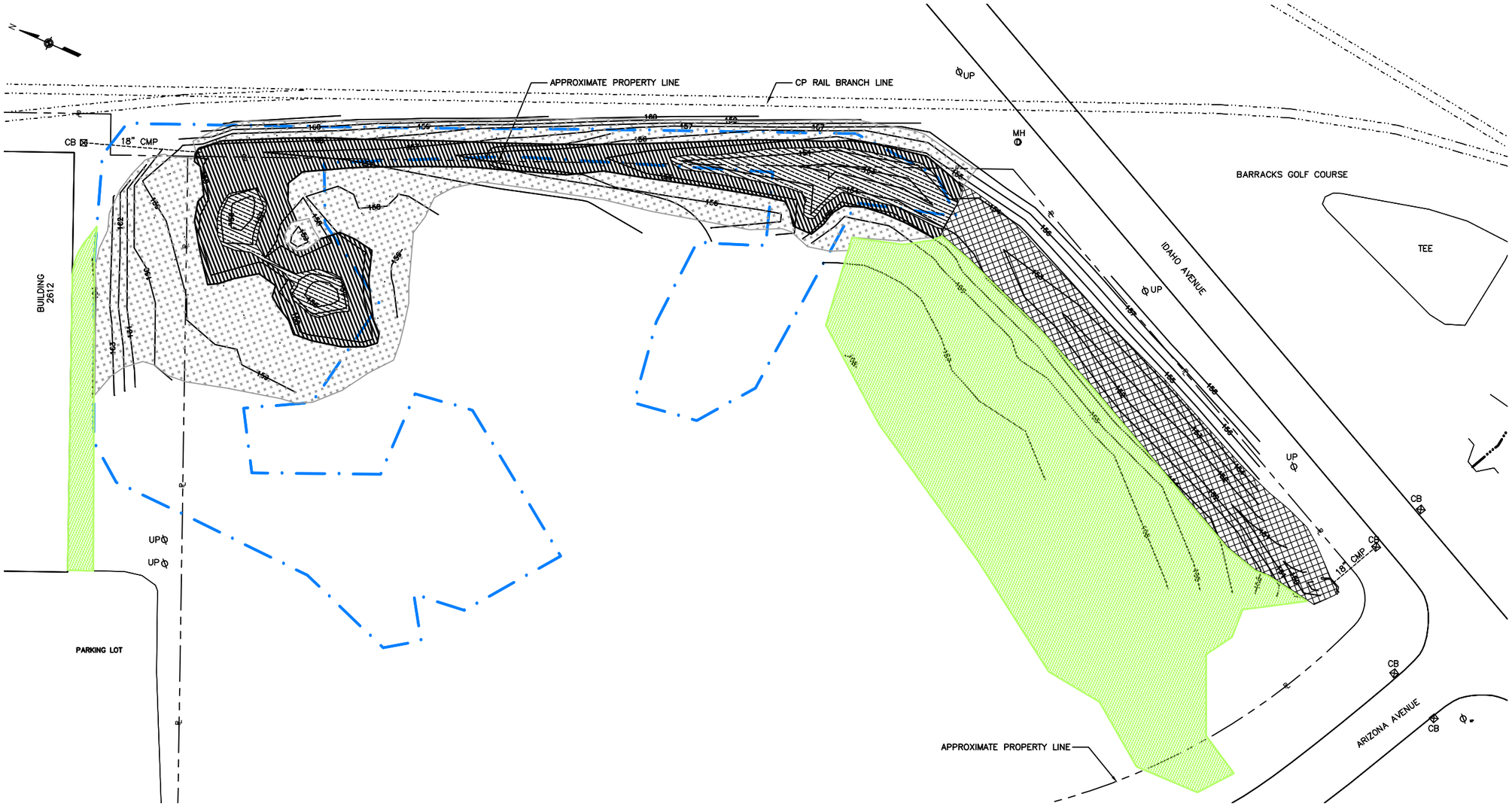

LEGEND:

- WETLAND BOUNDARY
- RAILROAD
- PROPERTY LINE
- CB — CATCH BASIN
- MH — MANHOLE
- UP — UTILITY POLE
- CMP — CORRUGATED METAL PIPE
- WETLAND SEED MIX 1
- WETLAND SEED MIX 2
- UPLAND SEED MIX
- SWALE SEED MIX
- HYDROSEEDED

NOTES:

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2. VERTICAL DATUM IS BASED UPON THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD29).
3. POST–EXCAVATION SURVEY DATA COLLECTED BY ROBERT M. SUTHERLAND, P.C. DURING JULY 2014.

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SITE SS-041
REMEDIAL ACTION
COMPLETION REPORT

SEEDING ZONES

Scale: AS SHOWN | Date: OCT. 2015 | FIGURE 5

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One Lincoln Center

110 West Fayette Street, Suite 300

Syracuse, New York 13202

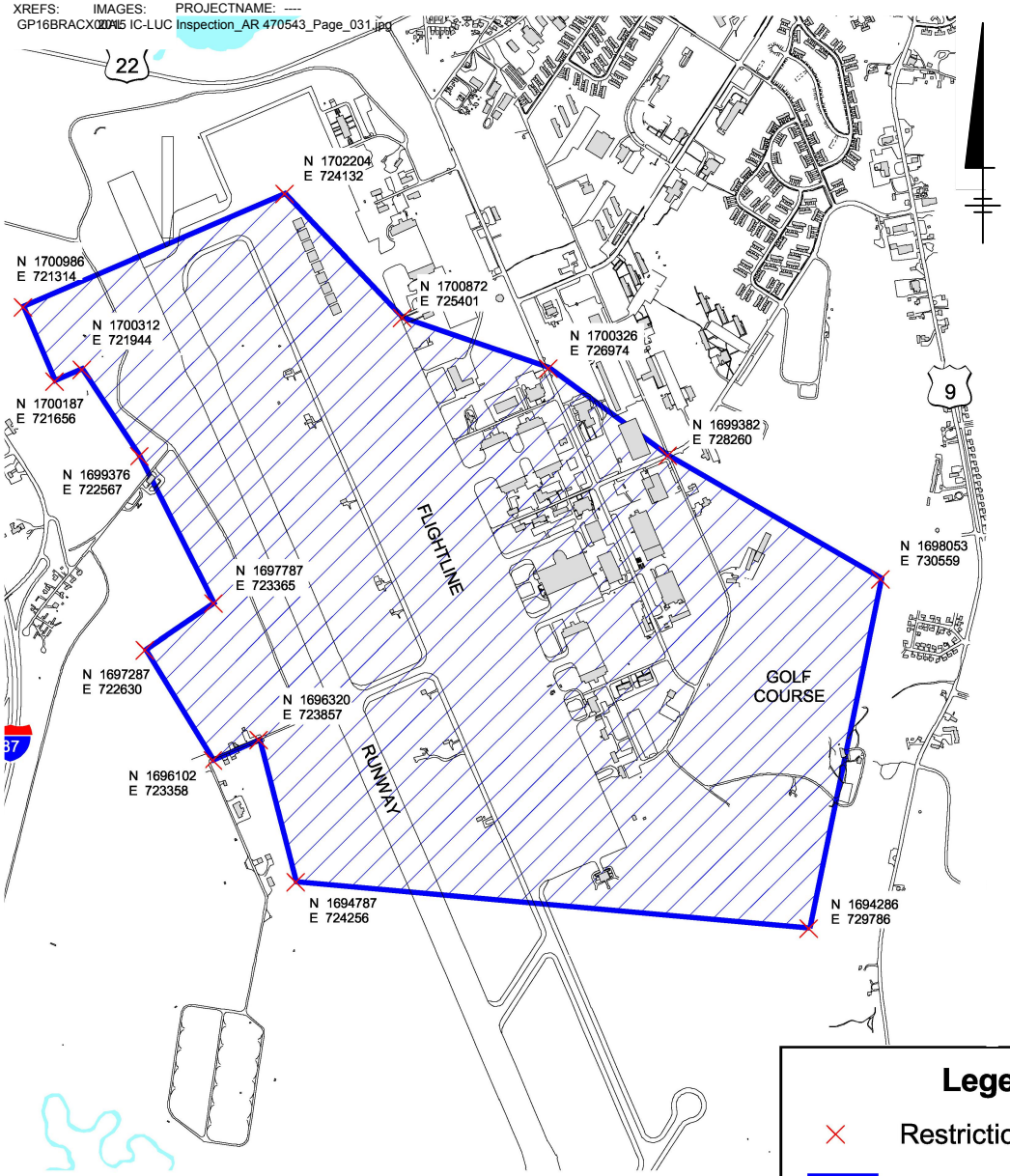
Tel 315 446 9120

Fax 315 449 0017

www.arcadis.com

APPENDIX A

LUCs Inspection Checklists



LAND USE CONTROLS / INSTITUTIONAL CONTROLS (LUC/IC) TO BE SPECIFIED IN FT-002 / INDUSTRIAL AREA GROUNDWATER OPERABLE UNIT RECORD OF DECISION

1) Prohibit the installation of any wells for drinking water or any other purposes that could result in the use of the underlying groundwater within the area shown.
2) Except for environmental response actions conducted by the USAF pursuant to CERCLA, prohibit discharge of groundwater that is withdrawn within the area shown during construction dewatering to the ground or surface water, without prior approval of the New York State Department of Environmental Conservation (NYSDEC) through the State Pollution Discharge Elimination System (SPDES) permitting process.
3) Prohibit property development or land use that would interfere with the proper operation of the remedy selected in the ROD. Except for utility improvements, surface paving, and modification of the grade established during construction of the physical remedy with USAF pre-approval, prohibit any development within 20 feet of any aboveground structure or underground structure constructed as part of the active physical remedy (these structures include but are not limited to pumping wells, underground and overhead electrical wiring, collection drains, piping, groundwater treatment facilities, aeration basins, manholes, and pump stations). Except for utility improvements, surface paving, and modification of the grade established during construction of the physical remedy with USAF pre-approval, prohibit any development within 5 feet of any monitoring point that will be used in the monitoring of the physical remedy. "USAF pre-approval" means that any utility improvements, surface paving removal or construction, or modification of the grade established during construction of the physical remedy within 20 feet of any aboveground structure or underground structure constructed as part of the active physical remedy (as itemized above) shall be approved by the USAF prior to the initiation of such activities. "USAF pre-approval" also means that any utility improvements, surface paving removal or construction, or modification of the grade established during construction of the physical remedy, within 5 feet of any monitoring point that will be used in the monitoring of the physical remedy, shall be approved by the USAF prior to the initiation of such activities. The locations of structures and monitoring points of the physical remedy will be established by survey following construction. A map showing the structures and monitoring points referenced to horizontal coordinates will be included in all property transfer and lease agreements.
4) Any excavation within the Area Subject to Institutional Controls shall be conducted in a manner that prevents migration of groundwater contamination into the deep groundwater aquifer. Penetration of the subsurface clay confining layer, without the prior written approval of the Air Force, NYSDEC, and USEPA, is prohibited.
5) Prohibit residential property development or residential land use within the area shown.
6) With respect to risks that may be posed via indoor air contaminated by chemicals volatilizing from the groundwater (vapor intrusion), a grantee covenant in the deed will require that (a) modifications to existing or construction of new buildings within the identified groundwater restriction area must be performed in a manner that would mitigate unacceptable risk under CERCLA and the NCP; or (b) an evaluation of the potential for unacceptable risk must occur prior to the erection of any structure or the use of any existing building or structure in the Area Subject to Institutional Controls and include mitigation of the vapor intrusion in the design/construction of the structure prior to occupancy if an unacceptable risk under CERCLA and the NCP is posed. Any such mitigation or evaluations will be coordinated with the USEPA and NYSDEC.
NOTE: Air Force or Regulatory Agency access to wells and remedial systems within the restriction area must be allowed at all times.

0 2000' 4000'
GRAPHIC SCALE

Legend

Restriction Area Corner

Restriction Area

Note: Coordinates are based on New York State Plane Coordinate System, Transverse Mercator Projection East Zone, North American Datum of 1927.

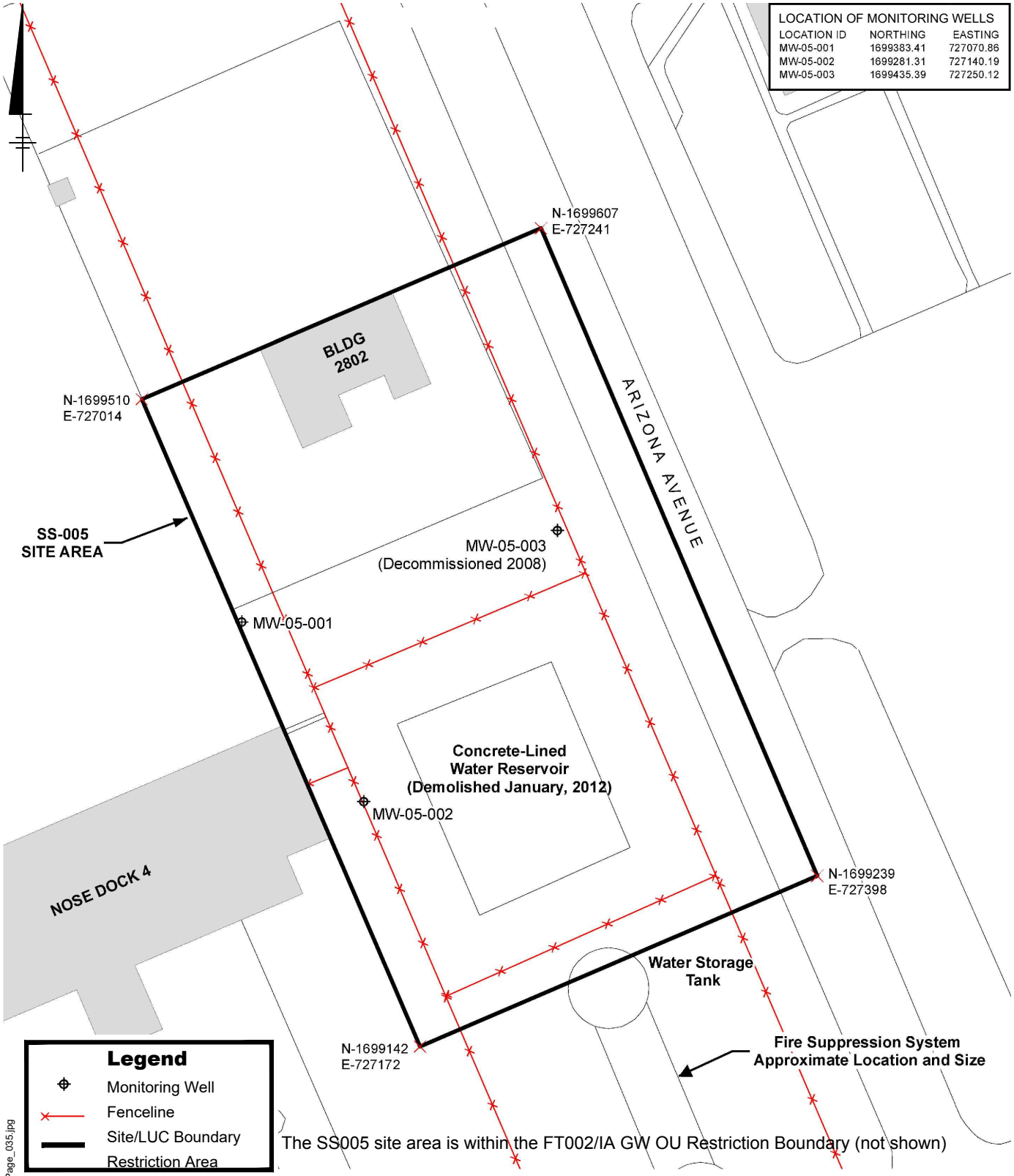
SOURCE:
URS GROUP, INC. LAND USE CONTROLS/INSTITUTIONAL CONTROLS, 2015 COMPLIANCE MONITORING. JANUARY 2016.

FORMER PLATTSBURG AIR FORCE BASE
PLATTSBURG, NEW YORK
FIFTH FIVE-YEAR REVIEW

FT002/IA GW OU
LAND USE CONTROLS

ARCADIS Design & Consultancy for natural and built assets

FIGURE
A-1



LAND USE CONTROLS / INSTITUTIONAL CONTROLS SPECIFIED IN THE SS-005 SOIL OPERABLE UNIT RECORD OF DECISION DATED APRIL 1998:
- Development of the site is limited to non-residential use.
- Installation of wells for use of the underlying groundwater is prohibited.

Note: Groundwater monitoring wells shown above must not be disturbed, and Air Force or Regulatory Agency access to these wells must be allowed at all times.

80 0 80 Feet

SOURCE:
URS GROUP, INC. LAND USE CONTROLS/INSTITUTIONAL CONTROLS, 2015 COMPLIANCE MONITORING. JANUARY 2016.

FORMER PLATTSBURG AIR FORCE BASE
PLATTSBURG, NEW YORK
FIFTH FIVE-YEAR REVIEW

SS005 SOIL OPERABLE UNIT LAND USE CONTROLS

ARCADIS Design & Consultancy for natural and built assets

FIGURE
A-2

CITY:(Newtown, Pa) DIV/GROUP:(ENVCAD) DB:(M. Wasilewski) LD:(M. Wasilewski) PIC:(L. Peters) PM:(P. Milionis) TM:(P. Milionis) LYR:(Opt)ON=*;OFF=*REF*
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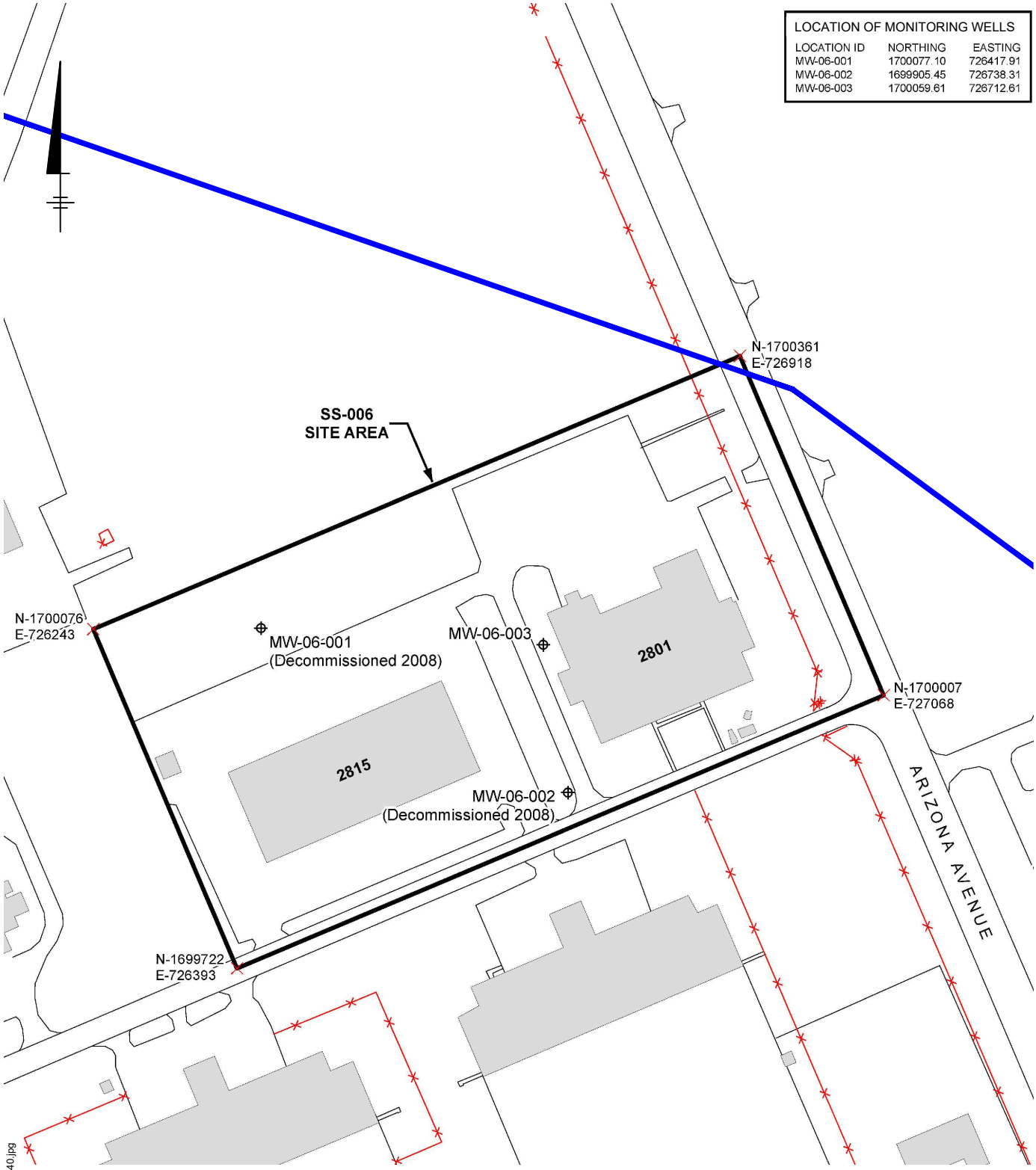
XREFS: IMAGES: PROJECTNAME: ---
GP16BRACX0045 IC-LUC Inspection_AR 470543_Page_035.jpg



Legend

- Monitoring Well
- Fenceline
- Site Boundary
- Restriction Area

150 0 150 Feet

SS006 is within the FT002 IA/GW OU Restriction Area

LAND USE CONTROLS / INSTITUTIONAL CONTROLS SPECIFIED IN THE SS-006 SOIL OPERABLE UNIT RECORD OF DECISION DATED APRIL 1998:
- Development of the site is limited to non-residential use.
- Installation of wells for use of the underlying groundwater is prohibited.

Note: Groundwater monitoring wells shown above must not be disturbed, and Air Force or Regulatory Agency access to these wells must be allowed at all times.

SOURCE:
URS GROUP, INC. LAND USE CONTROLS/INSTITUTIONAL CONTROLS, 2015 COMPLIANCE MONITORING. JANUARY 2016.

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PLATTSBURG, NEW YORK
FIFTH FIVE-YEAR REVIEW

SS006 SOIL OPERABLE UNIT LAND USE CONTROLS

ARCADIS Design & Consultancy for natural and built assets

FIGURE
A-3

CITY:(Newtown, Pa) DIV/GROUP:(ENVCAD) DB:(M. Wasilewski) LD:(M. Wasilewski) PIC:(L. Peters) PM:(P. Milionis) TM:(P. Milionis) LYR:(Opt)ON=*;OFF=*REF*
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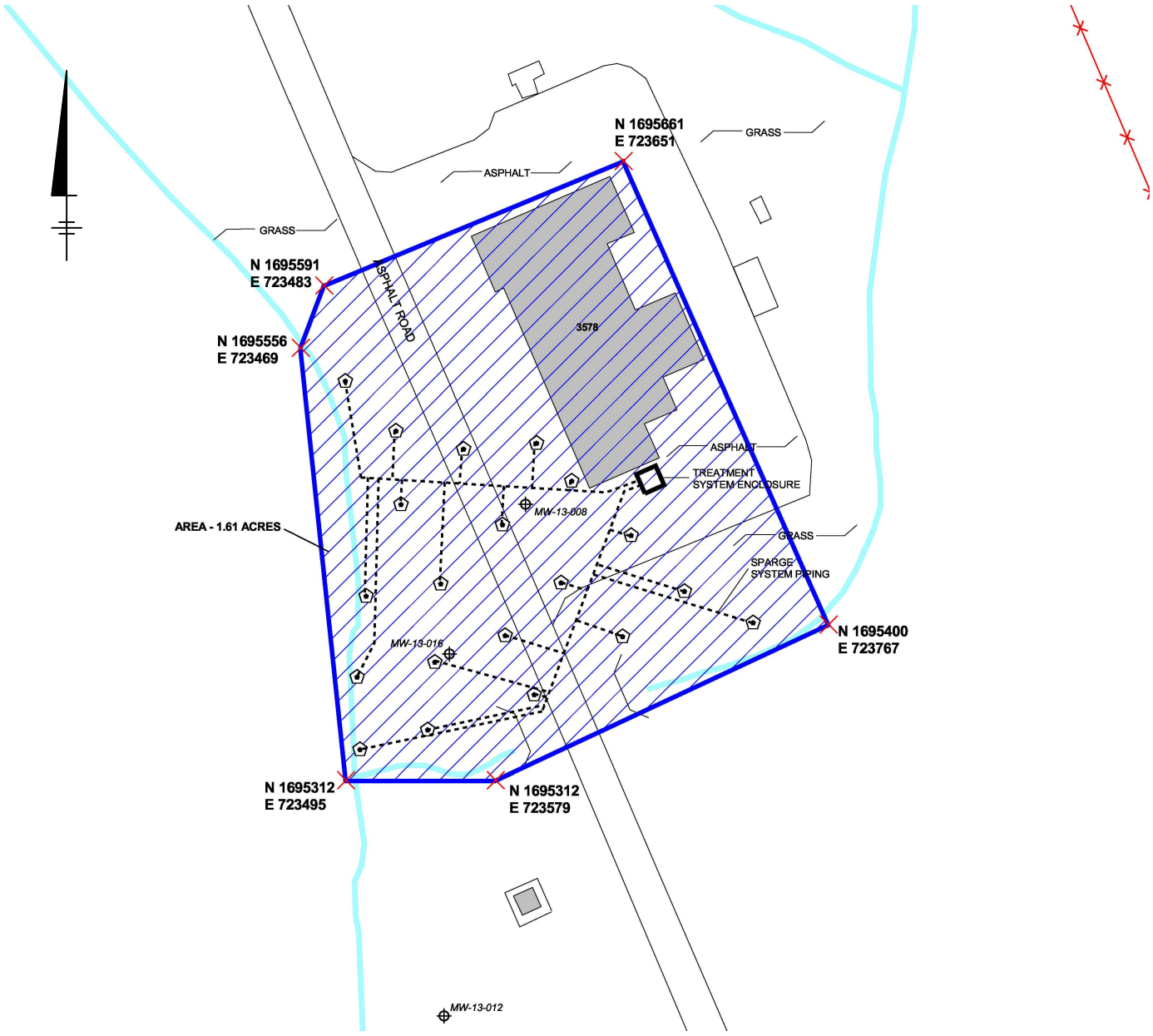

LAND USE CONTROLS/INSTITUTIONAL CONTROLS TO BE SPECIFIED IN THE FINAL SS-013 RECORD OF DECISION (ROD):

1) Prohibit the installation of any wells for drinking water or any other purposes that could result in the use of the underlying groundwater within the area shown above.
2) Prohibit property development or land use that would interfere with the proper operation of the remedy selected in the ROD.
3) With respect to risks that may be posed via indoor air contaminated by chemicals volatilizing from the groundwater (vapor intrusion), a deed covenant (or lease restriction for a lessee) would be imposed to prohibit construction of new buildings intended for occupancy within the Area Subject to Institutional Controls.
4) Also with respect to risks that may be posed via indoor air contaminated by chemicals volatilizing from the groundwater (vapor intrusion), a deed covenant (or lease restriction for a lessee) would be imposed, which requires that the existing building (Building 3578) on the property remain unoccupied (i.e., it may not be used for occupied purposes). "Occupied" means that the building is used and there is human occupation of it with regularity (e.g., persons present the same day of the week for approximately the same number of hours). Incidental use of the building such as for storage of materials, that necessitates intermittent visits by individuals who would not remain in the building after delivery or retrieval of such material, would not meet this definition of occupation.
The Grantee may demolish the building.

NOTE: Air Force or Regulatory Agency access to wells and the remedial system within the restriction area must be allowed at all times.

Legend

- Ozone Sparge Point
- Monitoring Well
- Restriction Area Corner
- Restriction Area

90 0 90 Feet

SOURCE:
URS GROUP, INC. LAND USE CONTROLS/INSTITUTIONAL CONTROLS, 2015 COMPLIANCE MONITORING. JANUARY 2016.

FORMER PLATTSBURG AIR FORCE BASE
PLATTSBURG, NEW YORK
FIFTH FIVE-YEAR REVIEW

SS013
LAND USE CONTROLS

ARCADIS Design & Consultancy for natural and built assets

FIGURE
A-4

CITY:(Newtown, Pa) DIV/GROUP:(ENVCAD) DB:(M. Wasilewski) LD:(M. Wasilewski) PIC:(L. Peters) PM:(P. Milionis) TM:(P. Milionis) LYR:(Opt)ON=*;OFF=*REF*
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GP16BRACX2014 5 IC-LUC Inspection_AR 470543_Page_045.jpg

CITY:(Newtown, Pa) DIV/GROUP:(ENVCAD) DB:(M. Wasilewski) LD:(M. Wasilewski) PIC:(L. Peters) PM:(P. Milionis) TM:(P. Milionis) LYR:(Opt)ON=*;OFF=*REF*
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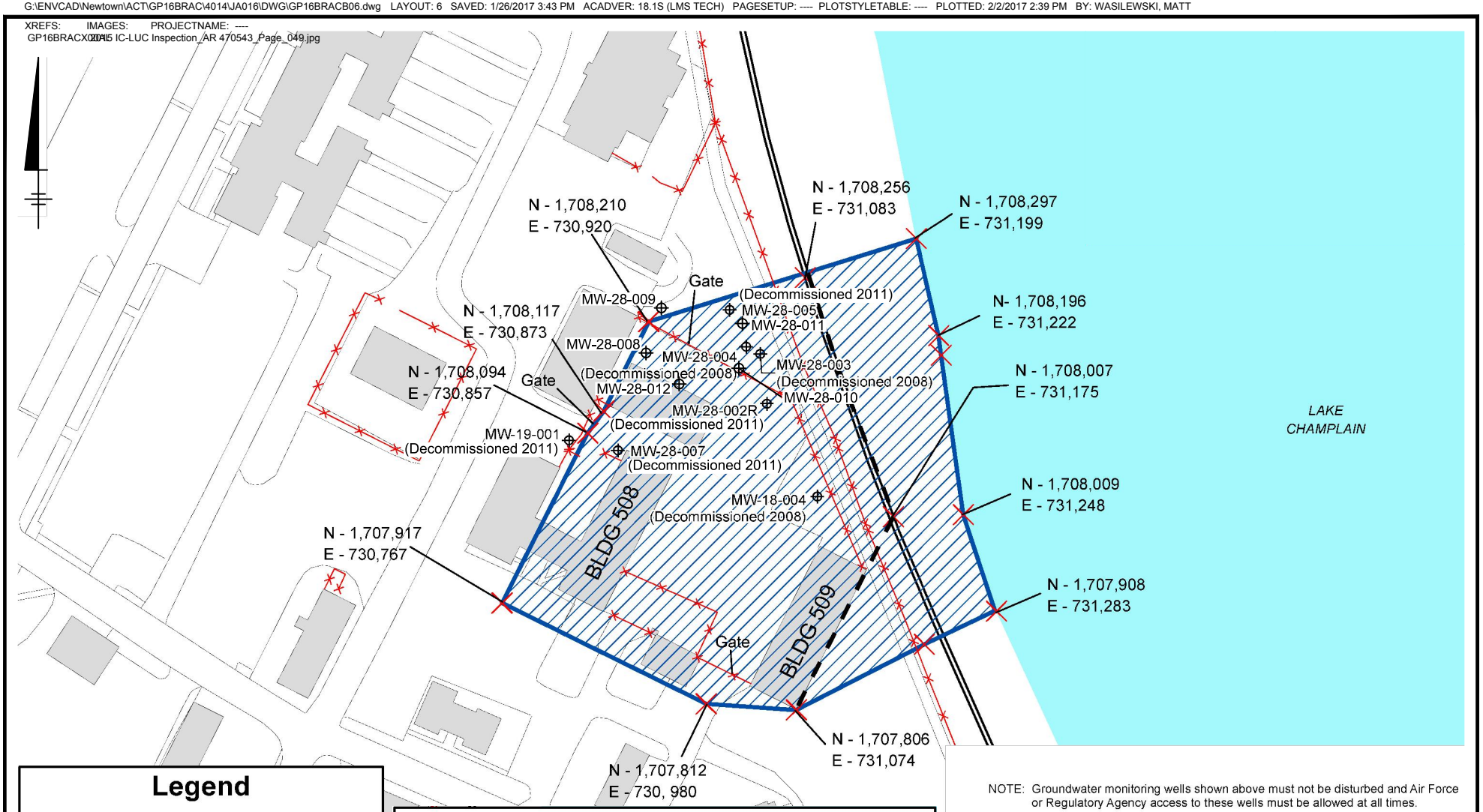

Legend

- Fenceline
- Monitoring Well
- Restriction Area Corner
- Groundwater Restriction Area
- Landuse Restriction Area

LAND USE CONTROLS/INSTITUTIONAL CONTROLS SPECIFIED IN THE SS-018/028 RECORD OF DECISION DATED SEPTEMBER 2000*
- Development of the sites is restricted to facilities that support only nonresidential use.
- Installation of any wells is prohibited for drinking water or any other purposes which could result in the use of the underlying groundwater.
- Discharge of groundwater withdrawn during construction dewatering to the ground or surface water is prohibited without prior approval of the New York State Department of Environmental Conservation.

150 0 150 Feet

NOTE: Groundwater monitoring wells shown above must not be disturbed and Air Force or Regulatory Agency access to these wells must be allowed at all times.

FORMER PLATTSBURG AIR FORCE BASE
PLATTSBURG, NEW YORK
FIFTH FIVE-YEAR REVIEW

SS018/SS028 LAND USE CONTROLS

SOURCE:
URS GROUP, INC. LAND USE CONTROLS/INSTITUTIONAL CONTROLS, 2015 COMPLIANCE MONITORING. JANUARY 2016.

* Per the January 2012 Remedial Action Completion Report, groundwater related institutional controls have been discontinued, but the non-residential use restriction remains in place

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FIGURE
A-5

CITY:(Newtown, Pa) DIV/GROUP:(ENVCAD) DB:(M. Wasilewski) LD:(M. Wasilewski) PIC:(L. Peters) PM:(P. Milionis) TM:(P. Milionis) LYR:(Opt)ON=*;OFF=*REF*
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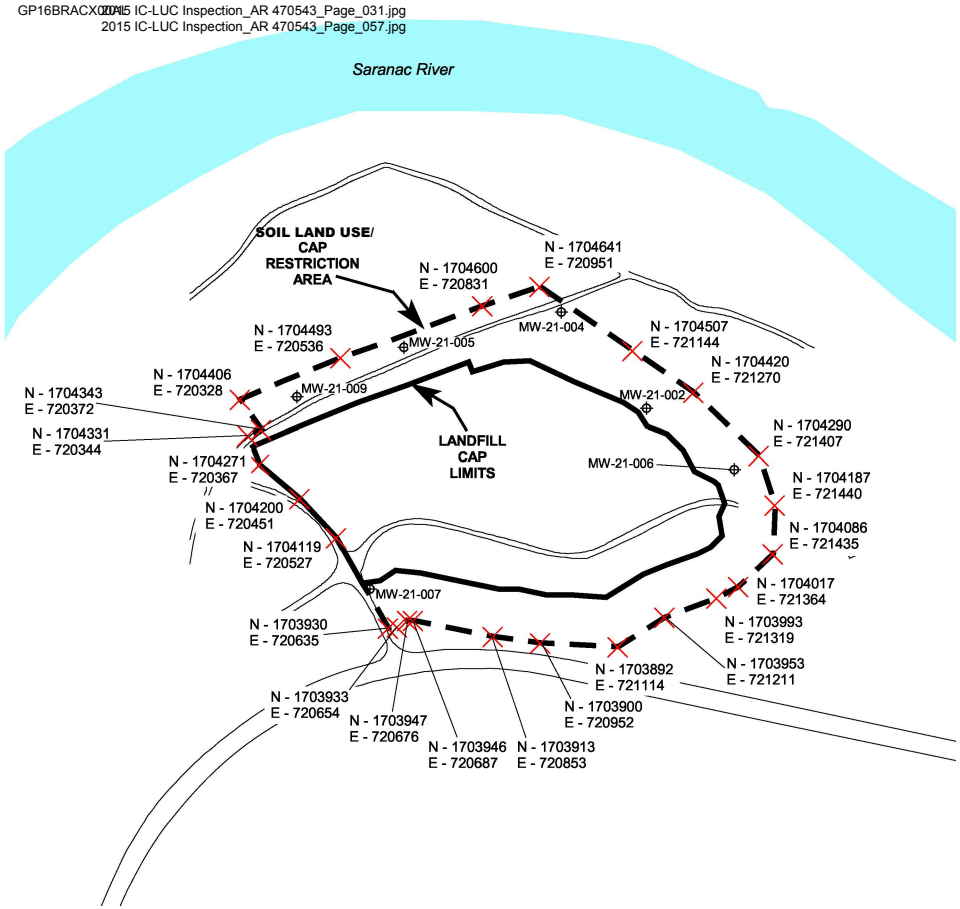
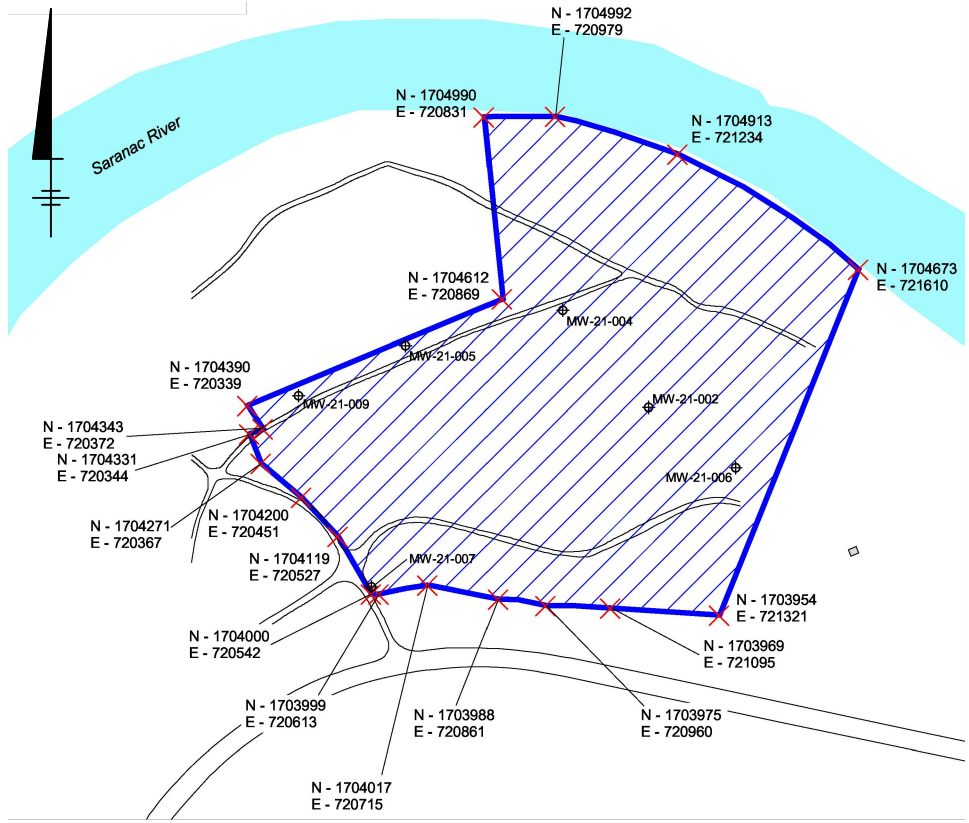
2015 IC-LUC Inspection_AR 470543_Page_057.jpg





Legend

- Monitoring Well
- Groundwater Use Restriction Area

LAND USE CONTROLS / INSTITUTIONAL CONTROLS SPECIFIED IN LF-021 SOIL AND GROUNDWATER RECORD OF DECISION DATED MARCH 1997:

- Limit development of any structure on the landfill site which would adversely affect human health and safety.
- Prevent any adverse action leading to the deterioration of the cap.
- Excavation of the landfill cap without prior approval of the New York State Department of Environmental Conservation is prohibited.
- Wells for drinking water or any other purpose which could result in the use of the underlying groundwater is prohibited.

NOTES:

- Air Force or Regulatory Agency access to the cap restriction area must be allowed at all times.
- Groundwater monitoring wells located at or near the locations listed in the table to the left must not be disturbed and Air Force or Regulatory Agency access to these wells must be allowed at all times.

SOURCE:
URS GROUP, INC. LAND USE CONTROLS/INSTITUTIONAL CONTROLS, 2015 COMPLIANCE MONITORING. JANUARY 2016.

300 0 300 Feet

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PLATTSBURG, NEW YORK
FIFTH FIVE-YEAR REVIEW

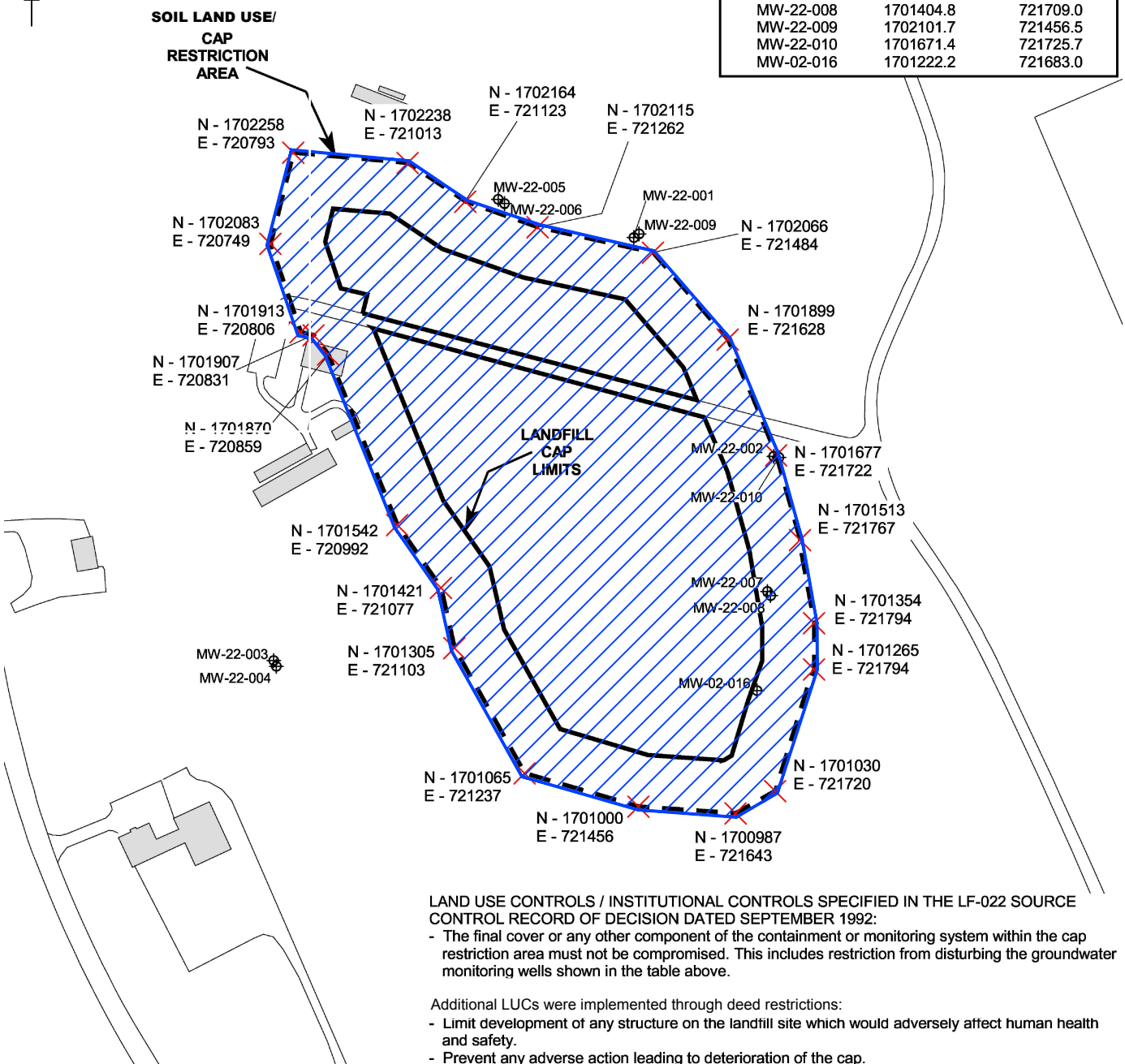
LF021 SOIL AND GROUNDWATER OPERABLE UNITS LAND USE CONTROLS

ARCADIS Design & Consultancy for natural and built assets

FIGURE
A-6

LOCATION OF MONITORING WELLS

LOCATION ID	NORTHING	EASTING
MW-22-001	1702094.5	721446.6
MW-22-002	1701673.0	721715.1
MW-22-003	1701280.6	720753.9
MW-22-004	1701268.9	720758.0
MW-22-005	1702167.2	721185.1
MW-22-006	1702159.6	721197.8
MW-22-007	1701413.6	721703.1
MW-22-008	1701404.8	721709.0
MW-22-009	1702101.7	721456.5
MW-22-010	1701671.4	721725.7
MW-02-016	1701222.2	721683.0



LAND USE CONTROLS / INSTITUTIONAL CONTROLS SPECIFIED IN THE LF-022 SOURCE CONTROL RECORD OF DECISION DATED SEPTEMBER 1992:

- The final cover or any other component of the containment or monitoring system within the cap restriction area must not be compromised. This includes restriction from disturbing the groundwater monitoring wells shown in the table above.

Additional LUCs were implemented through deed restrictions:

- Limit development of any structure on the landfill site which would adversely affect human health and safety.
- Prevent any adverse action leading to deterioration of the cap.
- Wells for drinking water or any other purpose which could result in use of the underlying groundwater is prohibited.
- Air Force or Regulatory Agency access to these wells must be allowed at all times.

Legend

⌖ Monitoring Well

Groundwater Use Restriction Area

300 0 300 Feet

SOURCE:
URS GROUP, INC. LAND USE CONTROLS/INSTITUTIONAL CONTROLS, 2015 COMPLIANCE MONITORING. JANUARY 2016.

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PLATTSBURG, NEW YORK
FIFTH FIVE-YEAR REVIEW

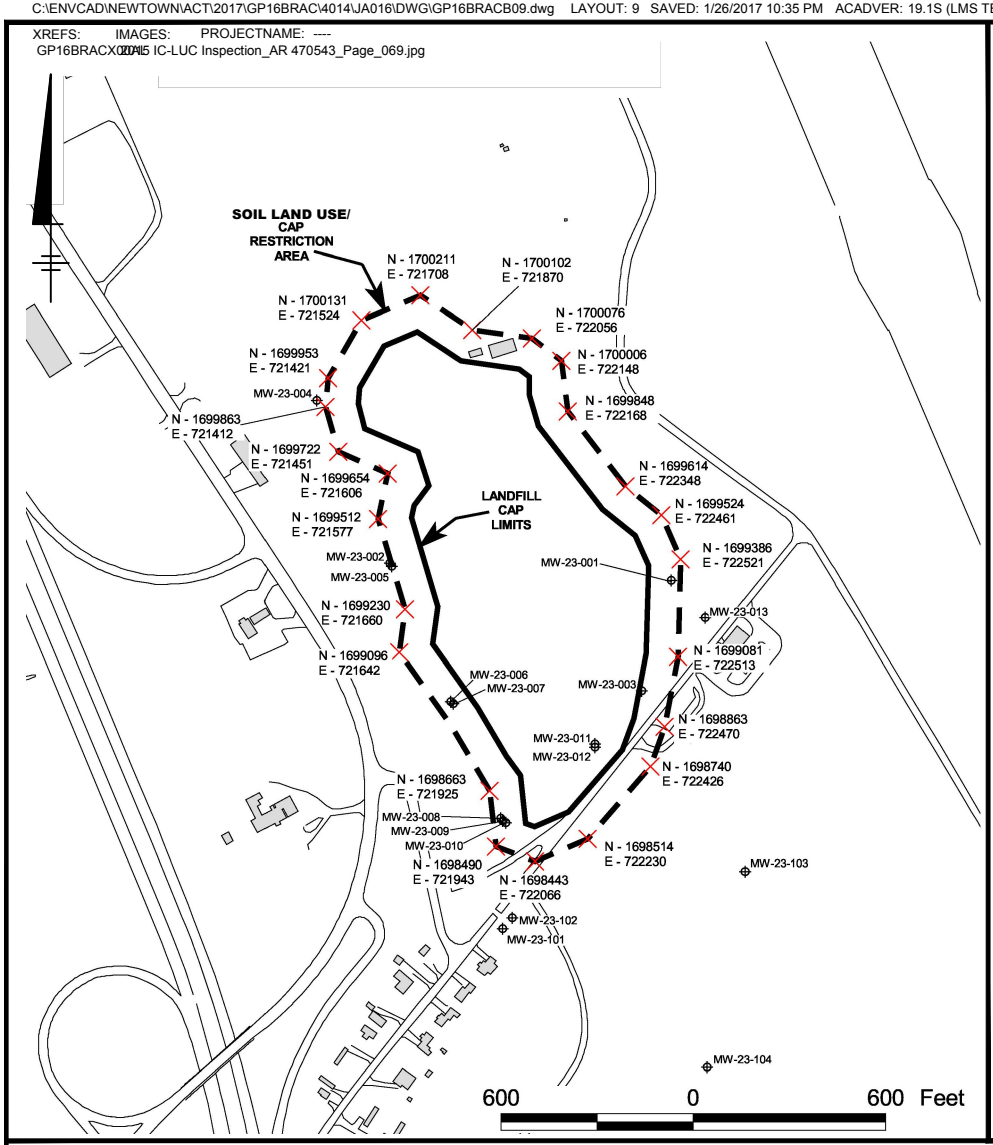
LF022 SOURCE CONTROL OPERABLE UNIT LAND USE CONTROLS

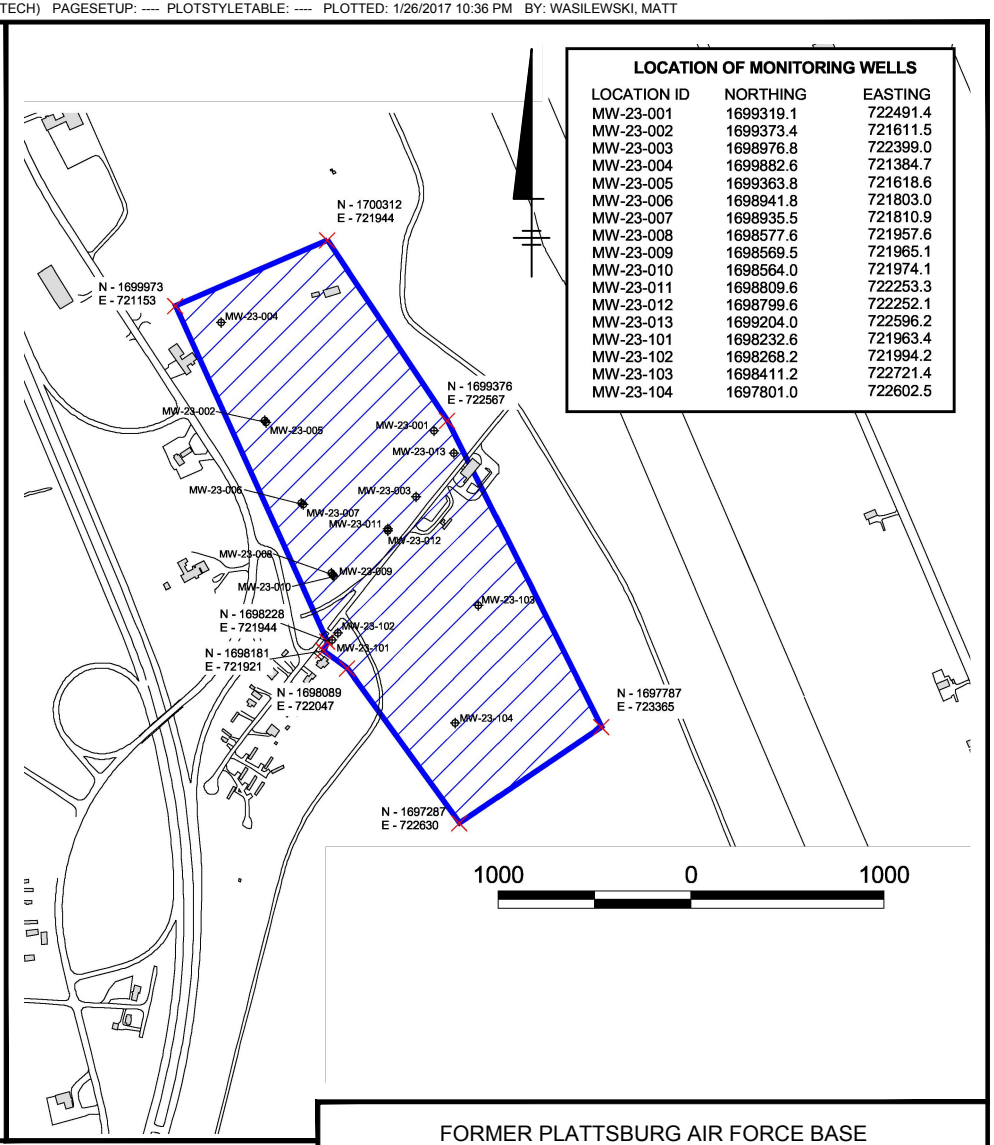
ARCADIS Design & Consultancy for natural and built assets

FIGURE
A-7

CITY:(Newtown, Pa) DIV/GROUP:(ENVCAD) DB:(M. Wasilewski) LD:(M. Wasilewski) PIC:(L. Peters) PM:(P. Milionis) TM:(P. Milionis) LYR:(Opt)ON=*;OFF=*REF*
C:\Users\mwasilewski\BIM 360\Arcadis\ANA – USACE – PHILADELPIA DISTRICT\Project Files\PLATTSBURG AFB\2019\30013830\01-DWG\GP16BRACB08.dwg LAYOUT: 8 SAVED: 9/5/2019 2:07 PM ACADVER: 23.0S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: ---- PLOTTED: 9/5/2019 2:07 PM BY:
WASILEWSKI, MATT
XREFS: IMAGES: PROJECTNAME: ----
GP16BRACX2015 IC-LUC Inspection_AR 470543_Page_062.jpg

XREFS: IMAGES: PROJECTNAME: ----
GP16BRACX0045 2015 IC-LUC Inspection_AR 470543_Page_069.jpg





LOCATION OF MONITORING WELLS

LOCATION ID	NORTHING	EASTING
MW-23-001	1699319.1	722491.4
MW-23-002	1699373.4	721611.5
MW-23-003	1698976.8	722399.0
MW-23-004	1699882.6	721384.7
MW-23-005	1699363.8	721618.6
MW-23-006	1698941.8	721803.0
MW-23-007	1698935.5	721810.9
MW-23-008	1698577.6	721957.6
MW-23-009	1698569.5	721965.1
MW-23-010	1698564.0	721974.1
MW-23-011	1698809.6	722253.3
MW-23-012	1698799.6	722252.1
MW-23-013	1699204.0	722596.2
MW-23-101	1698232.6	721963.4
MW-23-102	1698268.2	721994.2
MW-23-103	1698411.2	722721.4
MW-23-104	1697801.0	722602.5

Legend

- Monitoring Well
- Groundwater Use Restriction Area

SOURCE:
URS GROUP, INC. LAND USE CONTROLS/INSTITUTIONAL CONTROLS, 2015 COMPLIANCE MONITORING. JANUARY 2016.

LAND USE CONTROLS / INSTITUTIONAL CONTROLS SPECIFIED IN THE LF-023 SOURCE CONTROL RECORD OF DECISION DATED SEPTEMBER 1992 AND LF-023 GROUNDWATER, SURFACE WATER, AND SEDIMENT RECORD OF DECISION DATED MARCH 1995:
- The final cover or any other component of the containment or monitoring system must not be compromised.
- Installation of wells for the use of the underlying groundwater is prohibited.

Additional LUCs were implemented through deed restrictions:
- Limit development of any structure on the landfill site which would adversely impact human health and safety.
- Prevent any adverse action leading to deterioration of the cap.
- Wells for drinking water or any other purpose which could result in use of the underlying groundwater is prohibited.
- Air Force or Regulatory Agency access to these wells must be allowed at all times.

Note: Monitoring wells located within the Groundwater Restriction Area, as indicated in the table above, will not be disturbed and Air Force or Regulatory Agency access to these wells must be allowed at all times.

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PLATTSBURG, NEW YORK
FIFTH FIVE-YEAR REVIEW

LF023 SOURCE CONTROL OPERABLE UNIT AND GROUNDWATER, SURFACE WATER, AND SEDIMENT OPERABLE UNIT
LAND USE CONTROLS

ARCADIS Design & Consultancy for natural and built assets

FIGURE
A-8

CITY:(Newtown, Pa) DIV/GROUP:(ENVCAD) DB:(M. Wasilewski) LD:(M. Wasilewski) PIC:(L. Peters) PM:(P. Milionis) TM:(P. Milionis) LYR:(Opt)ON=*;OFF=*REF*
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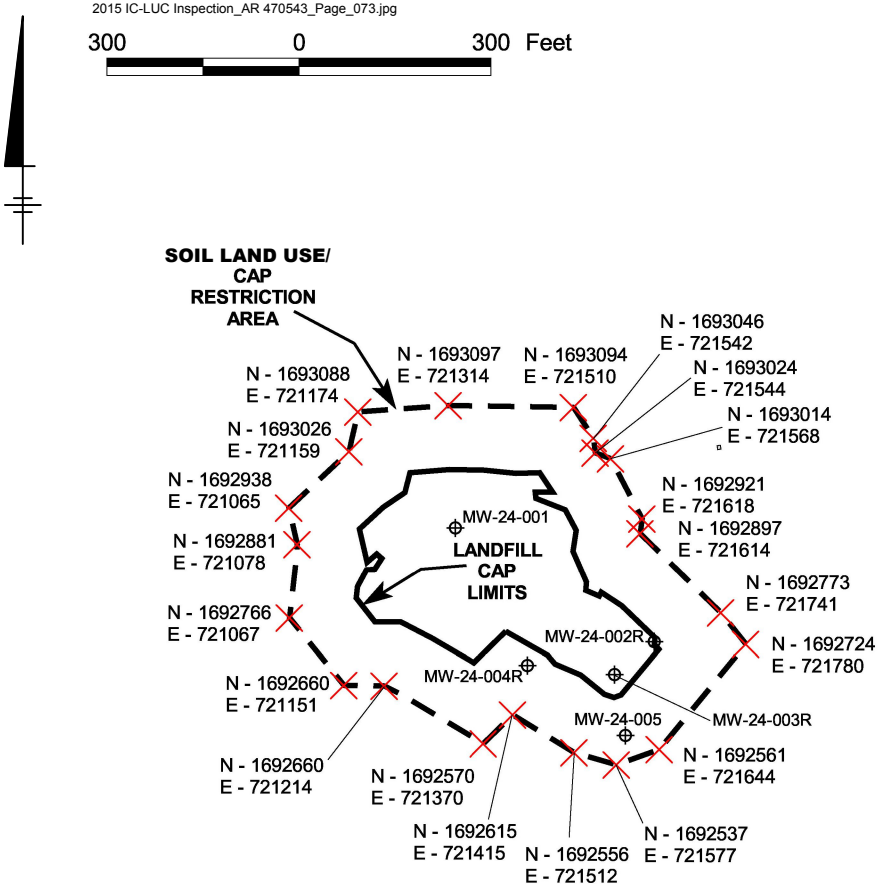

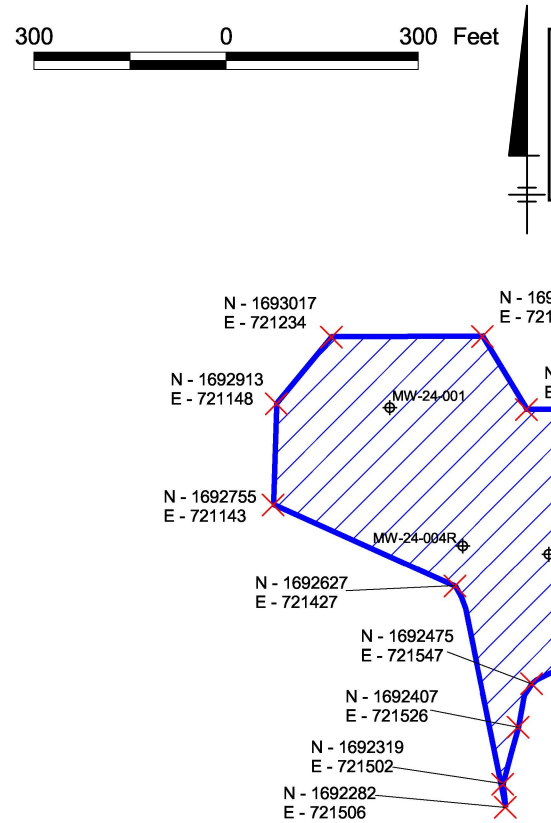

LOCATION OF MONITORING WELLS

LOCATION ID	NORTHING	EASTING
MW-24-001	1692905.38	721324.51
MW-24-002R	1692727.25	721635.93
MW-24-003R	1692676.91	721573.23
MW-24-004R	1692690.08	721437.89
MW-24-005	1692581.42	721590.86

Legend

- Monitoring Well
- Groundwater Use Restriction Area

SOURCE:
URS GROUP, INC. LAND USE CONTROLS/INSTITUTIONAL CONTROLS, 2015 COMPLIANCE MONITORING. JANUARY 2016.

LAND USE CONTROLS / INSTITUTIONAL CONTROLS SPECIFIED IN LF-024 SOIL AND GROUNDWATER OPERABLE UNIT RECORD OF DECISION DATED MARCH 1997:
- Limit development of any structure on the landfill site which would adversely affect human health and safety.
- Prevent any adverse action leading to deterioration of the cap.
- Excavation of the landfill cap without prior approval of the New York State Department of Environmental Conservation is prohibited.
- Notice will be provided in deed and lease agreements to warn of potential short-term health risks from inhalation of dust during site construction activities.
- Wells for drinking water or any other purpose which could result in the use of the underlying groundwater is prohibited.

Note: Groundwater monitoring wells located at or near the locations listed in the table above must not be disturbed and Air Force or Regulatory Agency access to these wells must be allowed at all times.

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PLATTSBURG, NEW YORK
FIFTH FIVE-YEAR REVIEW

LF024 SOIL AND GROUNDWATER OPERABLE UNIT LAND USE CONTROLS

ARCADIS Design & Consultancy for natural and built assets

FIGURE
A-9

ARCADIS

LUC/IC INSPECTION CHECKLIST
PLATTSBURGH AIR FORCE BASE

Site: FT-002
Date of inspection: 8/20/18

Inspector: ES
Weather: Sunny 81°F

LAND USE CONTROLS (LUCs)

LUCs Include: (Check all that apply)

- [ ] Landfill cover/containment
- [ ] Access controls
- [✓] Land development controls
- [✓] Facility development controls
- [✓] Monitoring well installation restrictions
- [ ] Other: _____
- [✓] Groundwater discharge controls
- [ ] Excavation controls
- [✓] Groundwater use controls

Attachments:

[ ] Site map attached [ ] Other: _____

ACCESS AND INSTITUTIONAL CONTROLS [ ] N/A

Fencing:

[✓] Undamaged [✓] Gates secured [ ] Location shown on site map

Remarks: Access restricted by airport security, perimeter fencing & locked gates

Signs and other security measures:

[✓] Present [ ] Not present [ ] Location shown on site map

Remarks: No Trespassing Signs

Intuitional Controls (ICs):

Site conditions imply ICs properly implemented

[✓] Yes [ ] No [ ] N/A

Site conditions imply ICs being fully enforced

[✓] Yes [ ] No [ ] N/A

Type of monitoring (e.g., self-reporting, drive by): onsite observation

Responsibly party/agency: Air Force Civil Engineer Center

Contact: David Farnsworth, BRAC Environmental Coordinator, 518-563-2871

Requirements in deed or decision documents appear to have been met

[✓] Yes [ ] No [ ] N/A

Violations have been reported

[ ] Yes [ ] No [✓] N/A

Other problems or suggestions:

NA

Adequacy:

[✓] ICs are adequate [ ] ICs are not adequate [ ] N/A

Remarks: None

ARCADIS

LUC/IC INSPECTION CHECKLIST
PLATTSBURGH AIR FORCE BASE

Site: FT-002

General:

Vandalism/trespassing
[ ] Present [✓] No vandalism eviden [ ] Location shown on map
Remarks:

Land use changes on site
[ ] Yes [✓] No
Remarks:

Land use changes off site
[ ] Yes [✓] No
Remarks:

GENERAL SITE CONDITIONS

Roads adequate: [✓] Yes [ ] No

Landfill cap damaged: [✓] N/A
[ ] No damage [ ] Damage (Location shown on map)
Remarks:

Monitoring well condition:
[✓] Properly secured/locked
[✓] Good condition
[✓] Functioning
[✓] All site wells located
[ ] Routinely sampled
[ ] Needs maintenance
[ ] N/A
Remarks:

Other site conditions:
Remarks: None

OVERALL OBSERVATIONS

Describe issues and observations relating to whether LUC/ICs are effective and functioning as designed. Begin with a brief summary of what the LUC/ICS are to accomplish (i.e., to restrict access, restrict groundwater use, restrict land use, etc.)

No violations observed
LUCS + ICs operating as ~~intended~~ ES intended

ARCADIS

LUC/IC INSPECTION CHECKLIST
PLATTSBURGH AIR FORCE BASE

Site: SS-005

Inspector: ES

Date of inspection: 8/21/18

Weather: Sunny 67°F

LAND USE CONTROLS (LUCs)

LUCs Include: (Check all that apply)

[ ] Landfill cover/containment
[ ] Access controls
[✓] Land development controls
[ ] Facility development controls
[ ] Monitoring well installation restrictions
[✓] Other: MWs must not be disturbed
[ ] Groundwater discharge controls
[ ] Excavation controls
[✓] Groundwater use controls

Attachments:

[ ] Site map attached
[ ] Other: _____

ACCESS AND INSTITUTIONAL CONTROLS [ ] N/A

Fencing:

[✓] Undamaged [✓] Gates secured [ ] Location shown on site map

Remarks: Access restricted by airport perimeter fence, along Arizona Ave, and South fenceline, No fenceline to North

Signs and other security measures:

[ ] Present [✓] Not present [ ] Location shown on site map

Remarks: No Signs present

Intuitional Controls (ICs):

Site conditions imply ICs properly implemented

[✓] Yes [ ] No [ ] N/A

Site conditions imply ICs being fully enforced

[✓] Yes [ ] No [ ] N/A

Type of monitoring (e.g., self-reporting, drive by): Onsite observations

Responsibly party/agency: Air Force Civil Engineer Center

Contact: David Farnsworth, BRAC Environmental Coordinator, 518-563-2871

Requirements in deed or decision documents appear to have been met

[✓] Yes [ ] No [ ] N/A

Violations have been reported

[ ] Yes [ ] No [✓] N/A

Other problems or suggestions:

None

Adequacy:

[✓] ICs are adequate [ ] ICs are not adequate [ ] N/A

Remarks: None

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LUC/IC INSPECTION CHECKLIST
PLATTSBURGH AIR FORCE BASE

Site: SS-005

General:

Vandalism/trespassing
[ ] Present [✓] No vandalism eviden [ ] Location shown on map
Remarks: None

Land use changes on site
[ ] Yes [✓] No
Remarks: None

Land use changes off site
[ ] Yes [✓] No
Remarks: None

GENERAL SITE CONDITIONS

Roads adequate: [✓] Yes [ ] No

Landfill cap damaged: [✓] N/A
[ ] No damage [ ] Damage (Location shown on map)
Remarks:

Monitoring well condition:
[✓] Properly secured/locked [ ] Routinely sampled
[✓] Good condition [ ] Needs maintenance
[ ] Functioning [ ] N/A
[✓] All site wells located
Remarks: MWs Inspeted annually, MW-05-003 decomissioned in December 08

Other site conditions:
Remarks: None

OVERALL OBSERVATIONS

Describe issues and observations relating to whether LUC/ICs are effective and functioning as designed. Begin with a brief summary of what the LUC/ICS are to accomplish (i.e., to restrict access, restrict groundwater use, restrict land use, etc.)

LUCs + IC are effective and functioning as designed, No violations observed

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LUC/IC INSPECTION CHECKLIST
PLATTSBURGH AIR FORCE BASE

Aerospace ground equip. facility soil operable unit

Site: SS-005 Inspector: ES

Date of inspection: 8/21/18 Weather: 67°F Sunny

LAND USE CONTROLS (LUCs)

LUCs Include: (Check all that apply)

[ ] Landfill cover/containment
[ ] Access controls
[✓] Land development controls
[ ] Facility development controls
[ ] Monitoring well installation restrictions
[✓] Other: MWs Must Not be disturbed
[ ] Groundwater discharge controls
[ ] Excavation controls
[✓] Groundwater use controls

Attachments:

[ ] Site map attached [ ] Other: _____

ACCESS AND INSTITUTIONAL CONTROLS [ ] N/A

Fencing:

[✓] Undamaged [✓] Gates secured [ ] Location shown on site map

Remarks: Access restricted by airport perimeter fence and along Arizona Ave, Site not otherwise fenced

Signs and other security measures:

[ ] Present [✓] Not present [ ] Location shown on site map

Remarks: No Signs Present

Intuitional Controls (ICs):

Site conditions imply ICs properly implemented

[✓] Yes [ ] No [ ] N/A

Site conditions imply ICs being fully enforced

[✓] Yes [ ] No [ ] N/A

Type of monitoring (e.g., self-reporting, drive by): onsite observation

Responsibly party/agency: Air Force Civil Engineer Center

Contact: David Farnsworth, BRAC Environmental Coordinator, 518-563-2871

Requirements in deed or decision documents appear to have been met

[✓] Yes [ ] No [ ] N/A

Violations have been reported

[ ] Yes [ ] No [✓] N/A

Other problems or suggestions:

None

Adequacy:

[✓] ICs are adequate [ ] ICs are not adequate [ ] N/A

Remarks: None

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LUC/IC INSPECTION CHECKLIST
PLATTSBURGH AIR FORCE BASE

Site: SS-006

General:

Vandalism/trespassing
[ ] Present [✓] No vandalism evident [ ] Location shown on map
Remarks: None

Land use changes on site
[ ] Yes [✓] No
Remarks: None

Land use changes off site
[ ] Yes [✓] No
Remarks: None

GENERAL SITE CONDITIONS

Roads adequate: [✓] Yes [ ] No

Landfill cap damaged: [✓] N/A
[ ] No damage [ ] Damage (Location shown on map)
Remarks:

Monitoring well condition:
[ ] Properly secured/locked
[ ] Good condition
[ ] Functioning
[ ] All site wells located
[ ] Routinely sampled
[ ] Needs maintenance
[ ] N/A
Remarks: MW-06-001 + MW-06-002 decommissioned in December 08

Other site conditions:
Remarks: None

OVERALL OBSERVATIONS

Describe issues and observations relating to whether LUC/ICs are effective and functioning as designed. Begin with a brief summary of what the LUC/ICS are to accomplish (i.e., to restrict access, restrict groundwater use, restrict land use, etc.)

LUCs + ICs effective and functioning as intended, No violations observed

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LUC/IC INSPECTION CHECKLIST
PLATTSBURGH AIR FORCE BASE

Site: SS013 former munitions maintenance squadron
Inspector: ES
Date of inspection: 8/21/18
Weather: 75°F Cloudy

LAND USE CONTROLS (LUCs)

LUCs Include: (Check all that apply)

- [ ] Landfill cover/containment
- [✓] Access controls
- [✓] Land development controls
- [✓] Facility development controls
- [✓] Monitoring well installation restrictions
- [✓] Other: Deed covenant / lease restrictions related to SVI
- [ ] Groundwater discharge controls
- [ ] Excavation controls
- [✓] Groundwater use controls

Attachments:

[ ] Site map attached [ ] Other: _____

ACCESS AND INSTITUTIONAL CONTROLS [ ] N/A

Fencing:

[✓] Undamaged [✓] Gates secured [ ] Location shown on site map

Remarks: Site contained within fenced area that secures the site + former weapons storage area

Signs and other security measures:

[✓] Present [ ] Not present [ ] Location shown on site map

Remarks: Signs present

Intuitional Controls (ICs):

Site conditions imply ICs properly implemented

[✓] Yes [ ] No [ ] N/A

Site conditions imply ICs being fully enforced

[✓] Yes [ ] No [ ] N/A

Type of monitoring (e.g., self-reporting, drive by): on site observations

Responsibly party/agency: Air Force Civil Engineer Center

Contact: David Farnsworth, BRAC Environmental Coordinator, 518-563-2871

Requirements in deed or decision documents appear to have been met

[✓] Yes [ ] No [ ] N/A

Violations have been reported

[ ] Yes [ ] No [✓] N/A

Other problems or suggestions:

None

Adequacy:

[✓] ICs are adequate [ ] ICs are not adequate [ ] N/A

Remarks: None

ARCADIS

LUC/IC INSPECTION CHECKLIST
PLATTSBURGH AIR FORCE BASE

Site: SS013

General:

Vandalism/trespassing
[ ] Present [✓] No vandalism eviden [ ] Location shown on map
Remarks: None

Land use changes on site
[ ] Yes [✓] No
Remarks: None

Land use changes off site
[ ] Yes [✓] No
Remarks: None

GENERAL SITE CONDITIONS

Roads adequate: [✓] Yes [ ] No

Landfill cap damaged: [✓] N/A
[ ] No damage [ ] Damage (Location shown on map)
Remarks:

Monitoring well condition:
[✓] Properly secured/locked
[✓] Good condition
[✓] Functioning
[✓] All site wells located
[✓] Routinely sampled
[ ] Needs maintenance
[ ] N/A
Remarks: Some wells destroyed during brush fire

Other site conditions:
Remarks: None

OVERALL OBSERVATIONS

Describe issues and observations relating to whether LUC/ICs are effective and functioning as designed. Begin with a brief summary of what the LUC/ICS are to accomplish (i.e., to restrict access, restrict groundwater use, restrict land use, etc.)

LUCs + ICs effective and functioning as designed
No Violations observed

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Auto Hobby Shop + bldg 503 open storage area

LUC/IC INSPECTION CHECKLIST
PLATTSBURGH AIR FORCE BASE

Site: SS018 / SS028 Inspector: ES
Date of inspection: 8/21/18 Weather: 72°F sunny

LAND USE CONTROLS (LUCs)

LUCs Include: (Check all that apply)

[ ] Landfill cover/containment
[ ] Access controls
[✓] Land development controls
[ ] Facility development controls
[ ] Monitoring well installation restrictions
[ ] Other: _____
[✓] Groundwater discharge controls
[ ] Excavation controls
[✓] Groundwater use controls

Attachments:

[ ] Site map attached [ ] Other: _____

ACCESS AND INSTITUTIONAL CONTROLS [ ] N/A

Fencing:

[✓] Undamaged [✓] Gates secured [ ] Location shown on site map

Remarks: _____

Signs and other security measures:

[ ] Present [✓] Not present [ ] Location shown on site map

Remarks: No Signs Present

Intuitional Controls (ICs):

Site conditions imply ICs properly implemented

[✓] Yes [ ] No [ ] N/A

Site conditions imply ICs being fully enforced

[✓] Yes [ ] No [ ] N/A

Type of monitoring (e.g., self-reporting, drive by): onsite observations

Responsibly party/agency: Air Force Civil Engineer Center

Contact: David Farnsworth, BRAC Environmental Coordinator, 518-563-2871

Requirements in deed or decision documents appear to have been met

[✓] Yes [ ] No [ ] N/A

Violations have been reported

[ ] Yes [ ] No [✓] N/A

Other problems or suggestions:

None

Adequacy:

[✓] ICs are adequate [ ] ICs are not adequate [ ] N/A

Remarks: None

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LUC/IC INSPECTION CHECKLIST
PLATTSBURGH AIR FORCE BASE

Site: SS018/ SS028

General:

Vandalism/trespassing

[ ] Present [✓] No vandalism eviden [ ] Location shown on map

Remarks:

Land use changes on site

[ ] Yes [ ] No

Remarks: Buildings in use as Champlain Valley transportation museum

Land use changes off site

[ ] Yes [✓] No

Remarks:

GENERAL SITE CONDITIONS

Roads adequate: [✓] Yes [ ] No

Landfill cap damaged: [✓] N/A

[ ] No damage [ ] Damage (Location shown on map)

Remarks:

Monitoring well condition:

[ ] Properly secured/locked [ ] Routinely sampled

[ ] Good condition [ ] Needs maintenance

[ ] Functioning [✓] N/A

[✓] All site wells located

Remarks: SS028 wells inspected other MWs abandoned August 2011

Other site conditions:

Remarks: None

OVERALL OBSERVATIONS

Describe issues and observations relating to whether LUC/ICs are effective and functioning as designed. Begin with a brief summary of what the LUC/ICS are to accomplish (i.e., to restrict access, restrict groundwater use, restrict land use, etc.)

LUCs + ICs effective and performing as designed, No violations

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LUC/IC INSPECTION CHECKLIST
PLATTSBURGH AIR FORCE BASE

Site: Landfill LF-021
Date of inspection: 8/1/2018

Inspector: J. Duquette
Weather: 84°F Partly Cloudy

LAND USE CONTROLS (LUCs)

LUCs Include: (Check all that apply)

[✓] Landfill cover/containment
[✓] Access controls
[✓] Land development controls
[✓] Facility development controls
[ ] Monitoring well installation restrictions
[ ] Other: _____

[ ] Groundwater discharge controls
[ ] Excavation controls
[ ] Groundwater use controls

Attachments:

[ ] Site map attached
[ ] Other: _____

ACCESS AND INSTITUTIONAL CONTROLS [ ] N/A

Fencing:

[✓] Undamaged [✓] Gates secured [ ] Location shown on site map

Remarks: _____

Signs and other security measures:

[✓] Present [ ] Not present [ ] Location shown on site map

Remarks: No trespassing Signs on fence perimeter

Intuitional Controls (ICs):

Site conditions imply ICs properly implemented

[ ] Yes [ ] No [ ] N/A

Site conditions imply ICs being fully enforced

[ ] Yes [ ] No [ ] N/A

Type of monitoring (e.g., self-reporting, drive by): On-Site Observation

Responsibly party/agency: Air Force Civil Engineer Center

Contact: David Farnsworth, BRAC Environmental Coordinator, 518-563-2871

Requirements in deed or decision documents appear to have been met

[✓] Yes [ ] No [ ] N/A

Violations have been reported

[ ] Yes [ ] No [✓] N/A

Other problems or suggestions:

Adequacy:

[✓] ICs are adequate [ ] ICs are not adequate [ ] N/A

Remarks: None

ARCADIS

LUC/IC INSPECTION CHECKLIST
PLATTSBURGH AIR FORCE BASE

Site: Landfill LF-021

General:

Vandalism/trespassing

[ ] Present [✓] No vandalism eviden [ ] Location shown on map

Remarks: None on the landfill

Land use changes on site

[ ] Yes [✓] No

Remarks: None

Land use changes off site

[ ] Yes [✓] No

Remarks: None

GENERAL SITE CONDITIONS

Roads adequate: [✓] Yes [ ] No

Landfill cap damaged: [ ] N/A

[✓] No damage [ ] Damage (Location shown on map)

Remarks:

Monitoring well condition:

[✓] Properly secured/locked
[✓] Good condition
[✓] Functioning
[✓] All site wells located
[✓] Routinely sampled
[ ] Needs maintenance
[ ] N/A

Remarks:

Other site conditions:

Remarks: one old dead tree in the center of the land fill

OVERALL OBSERVATIONS

Describe issues and observations relating to whether LUC/ICs are effective and functioning as designed. Begin with a brief summary of what the LUC/ICS are to accomplish (i.e., to restrict access, restrict groundwater use, restrict land use, etc.)

The LUC/ICs are effective and functioning as designed no violations were observed

Landfill Inspection Checklist

Landfill: LF021

Date: 8/1/18 Time: 1710

Name: ES/JD Weather: Partly Cloudy 84°F

ITEM	CONDITIONS	YES	NO	ACTION TO BE TAKEN/COMMENTS
Vegetative Layer/Cover Inspections				
General	General vegetative conditions acceptable?	✓		
	Stressed or damaged vegetation?		✓	
	Deep-rooted or woody vegetation?	✓		Trees
	Potential hazardous conditions?		✓	
Erosion and Surface	Erosion damage, gullies, breaches?		✓	
	Areas of subsidence?		✓	
	Surface water ponding/accumulation?		✓	
	Obvious differential settlement?		✓	
	Potential hazardous conditions?		✓	
Animal Control	Damage due to burrowing animals?	✓		burrow in center of LF
	Obvious presence of animals?	✓		↳ burrow
Surface Activities	Unauthorized trespassing?		✓	
	Intrusive activities/vehicle use?		✓	
	Dumping or disposal?		✓	
	Structures?		✓	
Fences and Signs	Fence integrity good?	✓		
	Site secure?	✓		
	Perimeter signs intact and visible?	✓		
Gas Vent Pipes	Damaged or Obstructed?			NA
Drainage Ditches	Drainage features clear/unobstructed?	✓		
	Accumulation of sediment/debris?		✓	

Other Notes

ARCADIS

LUC/IC INSPECTION CHECKLIST
PLATTSBURGH AIR FORCE BASE

Site: Landfill LF-022
Date of inspection: 7/30/2018

Inspector: J. Duquette
Weather: 84°F Sunny

LAND USE CONTROLS (LUCs)

LUCs Include: (Check all that apply)

[✓] Landfill cover/containment
[✓] Access controls
[✓] Land development controls
[ ] Facility development controls
[ ] Monitoring well installation restrictions
[ ] Other: _____
[ ] Groundwater discharge controls
[✓] Excavation controls
[✓] Groundwater use controls

Attachments:

[ ] Site map attached
[ ] Other: _____

ACCESS AND INSTITUTIONAL CONTROLS [ ] N/A

Fencing:

[✓] Undamaged [ ] Gates secured [ ] Location shown on site map

Remarks: LF-022 is fenced + the gate is locked

Signs and other security measures:

[✓] Present [ ] Not present [ ] Location shown on site map

Remarks: No trespassing sign

Intuitional Controls (ICs):

Site conditions imply ICs properly implemented

[✓] Yes [ ] No [ ] N/A

Site conditions imply ICs being fully enforced

[✓] Yes [ ] No [ ] N/A

Type of monitoring (e.g., self-reporting, drive by): On-Site Observation

Responsibly party/agency: Air Force Civil Engineer Center

Contact: David Farnsworth, BRAC Environmental Coordinator, 518-563-2871

Requirements in deed or decision documents appear to have been met

[✓] Yes [ ] No [ ] N/A

Violations have been reported

[ ] Yes [ ] No [✓] N/A

Other problems or suggestions:

None

Adequacy:

[✓] ICs are adequate [ ] ICs are not adequate [ ] N/A

Remarks: None

ARCADIS

LUC/IC INSPECTION CHECKLIST
PLATTSBURGH AIR FORCE BASE

Site: Landfill LF-022

General:

Vandalism/trespassing
[ ] Present [✓] No vandalism eviden [ ] Location shown on map
Remarks: None

Land use changes on site
[ ] Yes [✓] No
Remarks: None

Land use changes off site
[ ] Yes [✓] No
Remarks: None

GENERAL SITE CONDITIONS

Roads adequate: [✓] Yes [ ] No

Landfill cap damaged: [ ] N/A
[✓] No damage [ ] Damage (Location shown on map)
Remarks: NE + SE areas have exposed soil.

Monitoring well condition:
[✓] Properly secured/locked
[✓] Good condition
[✓] Functioning
[✓] All site wells located
[ ] Routinely sampled
[ ] Needs maintenance
[ ] N/A
Remarks:

Other site conditions:
Remarks:

OVERALL OBSERVATIONS

Describe issues and observations relating to whether LUC/ICs are effective and functioning as designed. Begin with a brief summary of what the LUC/ICS are to accomplish (i.e., to restrict access, restrict groundwater use, restrict land use, etc.)

The LUCs\ICs were effective & functioning as designed, No Violations were Observed

Landfill Inspection Checklist

Landfill: LF022

Date: 7/30/18 Time: 1600

Name: JD/ES Weather: Sunny 89°F

ITEM	CONDITIONS	YES	NO	ACTION TO BE TAKEN/COMMENTS
Vegetative Layer/Cover Inspections				
General	General vegetative conditions acceptable?	✓		
	Stressed or damaged vegetation?	✓		NE + SE areas have exposed soil
	Deep-rooted or woody vegetation?	✓		Multiple trees on site
	Potential hazardous conditions?		✓	
Erosion and Surface	Erosion damage, gullies, breaches?		✓	
	Areas of subsidence?		✓	
	Surface water ponding/accumulation?		✓	
	Obvious differential settlement?		✓	
	Potential hazardous conditions?		✓	
Animal Control	Damage due to burrowing animals?		✓	
	Obvious presence of animals?		✓	
Surface Activities	Unauthorized trespassing?		✓	
	Intrusive activities/vehicle use?		✓	
	Dumping or disposal?		✓	
	Structures?		✓	
Fences and Signs	Fence integrity good?	✓		
	Site secure?	✓		
	Perimeter signs intact and visible?	✓		
Gas Vent Pipes	Damaged or Obstructed?			NA
Drainage Ditches	Drainage features clear/unobstructed?	✓		
	Accumulation of sediment/debris?		✓	

Other Notes

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LUC/IC INSPECTION CHECKLIST
PLATTSBURGH AIR FORCE BASE

Site: Landfill LF-023
Date of inspection: 8/1/2018

Inspector: J. Duquette
Weather: 82°F Sunny

LAND USE CONTROLS (LUCs)

LUCs Include: (Check all that apply)

[✓] Landfill cover/containment
[✓] Access controls
[✓] Land development controls
[✓] Facility development controls
[ ] Monitoring well installation restrictions
[ ] Other: _____
[ ] Groundwater discharge controls
[✓] Excavation controls
[✓] Groundwater use controls

Attachments:

[ ] Site map attached
[ ] Other: _____

ACCESS AND INSTITUTIONAL CONTROLS [ ] N/A

Fencing:

[✓] Undamaged [ ] Gates secured [ ] Location shown on site map

Remarks: _____

Signs and other security measures:

[✓] Present [ ] Not present [ ] Location shown on site map

Remarks: No trespassing signs posted on fencing.

Intuitional Controls (ICs):

Site conditions imply ICs properly implemented

[✓] Yes [ ] No [ ] N/A

Site conditions imply ICs being fully enforced

[✓] Yes [ ] No [ ] N/A

Type of monitoring (e.g., self-reporting, drive by): On-Site Observations

Responsibly party/agency: Air Force Civil Engineer Center

Contact: David Farnsworth, BRAC Environmental Coordinator, 518-563-2871

Requirements in deed or decision documents appear to have been met

[✓] Yes [ ] No [ ] N/A

Violations have been reported

[ ] Yes [ ] No [ ] N/A

Other problems or suggestions:

None

Adequacy:

[✓] ICs are adequate [ ] ICs are not adequate [ ] N/A

Remarks: None

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LUC/IC INSPECTION CHECKLIST
PLATTSBURGH AIR FORCE BASE

Site: Landfill LF-023

General:

Vandalism/trespassing
[ ] Present [✓] No vandalism eviden [ ] Location shown on map
Remarks: None

Land use changes on site
[ ] Yes [✓] No
Remarks: None

Land use changes off site
[ ] Yes [✓] No
Remarks: None

GENERAL SITE CONDITIONS

Roads adequate: [✓] Yes [ ] No

Landfill cap damaged: [ ] N/A
[✓] No damage [ ] Damage (Location shown on map)
Remarks:

Monitoring well condition:
[✓] Properly secured/locked
[✓] Good condition
[✓] Functioning
[✓] All site wells located
[✓] Routinely sampled
[ ] Needs maintenance
[ ] N/A
Remarks: Annually all monitoring wells are inspected to verify condition

Other site conditions:
Remarks: ~~None~~ Ground hog burrow in NW corner.

OVERALL OBSERVATIONS

Describe issues and observations relating to whether LUC/ICs are effective and functioning as designed. Begin with a brief summary of what the LUC/ICS are to accomplish (i.e., to restrict access, restrict groundwater use, restrict land use, etc.) The LUCs/ICs are effective and functioning as designed no violations observed

Landfill Inspection Checklist

Landfill: LF023

Date: 8/1/18 Time: 1640

Name: ES/JD Weather: Sunny 82°F

ITEM	CONDITIONS	YES	NO	ACTION TO BE TAKEN/COMMENTS
Vegetative Layer/Cover Inspections				
General	General vegetative conditions acceptable?	✓		
	Stressed or damaged vegetation?	~~✓~~	✓	
	Deep-rooted or woody vegetation?	✓		trees @ various locations
	Potential hazardous conditions?		✓	
Erosion and Surface	Erosion damage, gullies, breaches?		✓	
	Areas of subsidence?		✓	
	Surface water ponding/accumulation?		✓	
	Obvious differential settlement?		✓	
	Potential hazardous conditions?		✓	
Animal Control	Damage due to burrowing animals?	✓		NW corner → groundhog burrow
	Obvious presence of animals?	✓		" " " "
Surface Activities	Unauthorized trespassing?		✓	
	Intrusive activities/vehicle use?		✓	
	Dumping or disposal?		✓	
	Structures?		✓	
Fences and Signs	Fence integrity good?	✓		
	Site secure?	✓		
	Perimeter signs intact and visible?	✓		
Gas Vent Pipes	Damaged or Obstructed?		✓	
Drainage Ditches	Drainage features clear/unobstructed?	✓		
	Accumulation of sediment/debris?		✓	

Other Notes

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LUC/IC INSPECTION CHECKLIST
PLATTSBURGH AIR FORCE BASE

Site: Landfill LF-024
Date of inspection: 8/1/2018

Inspector: S. Duquette
Weather: 84°F Partly Cloudy

LAND USE CONTROLS (LUCs)

LUCs Include: (Check all that apply)

[✓] Landfill cover/containment
[✓] Access controls
[✓] Land development controls
[✓] Facility development controls
[ ] Monitoring well installation restrictions
[ ] Other: _____
[ ] Groundwater discharge controls
[✓] Excavation controls
[✓] Groundwater use controls

Attachments:

[ ] Site map attached
[ ] Other: _____

ACCESS AND INSTITUTIONAL CONTROLS [ ] N/A

Fencing:

[✓] Undamaged [✓] Gates secured [ ] Location shown on site map

Remarks: _____

Signs and other security measures:

[✓] Present [ ] Not present [ ] Location shown on site map

Remarks: No trespassing signs posted on fencing

Intuitional Controls (ICs):

Site conditions imply ICs properly implemented

[✓] Yes [ ] No [ ] N/A

Site conditions imply ICs being fully enforced

[✓] Yes [ ] No [ ] N/A

Type of monitoring (e.g., self-reporting, drive by): On-Site Observation

Responsibly party/agency: Air Force Civil Engineer Center

Contact: David Farnsworth, BRAC Environmental Coordinator, 518-563-2871

Requirements in deed or decision documents appear to have been met

[✓] Yes [ ] No [ ] N/A

Violations have been reported

[ ] Yes [ ] No [ ] N/A

Other problems or suggestions:

None

Adequacy:

[✓] ICs are adequate [ ] ICs are not adequate [ ] N/A

Remarks: None

ARCADIS

LUC/IC INSPECTION CHECKLIST
PLATTSBURGH AIR FORCE BASE

Site: Landfill LF-024

General:

Vandalism/trespassing
[ ] Present [✓] No vandalism eviden [ ] Location shown on map
Remarks: None

Land use changes on site
[ ] Yes [✓] No
Remarks: None

Land use changes off site
[ ] Yes [✓] No
Remarks: None

GENERAL SITE CONDITIONS

Roads adequate: [ ] Yes [ ] No

Landfill cap damaged: [ ] N/A
[✓] No damage [ ] Damage (Location shown on map)
Remarks:

Monitoring well condition:
[✓] Properly secured/locked [ ] Routinely sampled
[✓] Good condition [ ] Needs maintenance
[✓] Functioning [ ] N/A
[✓] All site wells located
Remarks: MW's Inspected annually

Other site conditions:
Remarks: None

OVERALL OBSERVATIONS

Describe issues and observations relating to whether LUC/ICs are effective and functioning as designed. Begin with a brief summary of what the LUC/ICS are to accomplish (i.e., to restrict access, restrict groundwater use, restrict land use, etc.)

The LUCs/ICs are effective and functioning as designed NO violations were observed.

Landfill Inspection Checklist

Landfill: LF024

Date: 8/1/18

Time: ~~[illegible]~~ 1650

Name: ES/JD

Weather: ~~[illegible]~~ Partly Cloudy 84-F

ITEM	CONDITIONS	YES	NO	ACTION TO BE TAKEN/COMMENTS
Vegetative Layer/Cover Inspections				
General	General vegetative conditions acceptable?	✓		
	Stressed or damaged vegetation?	✓		NE Corner → bare ground/no veg
	Deep-rooted or woody vegetation?		✓	
	Potential hazardous conditions?		✓	
Erosion and Surface	Erosion damage, gullies, breaches?		✓	
	Areas of subsidence?		✓	
	Surface water ponding/accumulation?		✓	
	Obvious differential settlement?		✓	
	Potential hazardous conditions?		✓	
Animal Control	Damage due to burrowing animals?	✓		Southern ridge → burrow
	Obvious presence of animals?	✓		ground hog burrow
Surface Activities	Unauthorized trespassing?		✓	
	Intrusive activities/vehicle use?		✓	
	Dumping or disposal?		✓	
	Structures?		✓	
Fences and Signs	Fence integrity good?	✓		
	Site secure?	✓		
	Perimeter signs intact and visible?	✓		
Gas Vent Pipes	Damaged or Obstructed?			NA
Drainage Ditches	Drainage features clear/unobstructed?	✓		
	Accumulation of sediment/debris?		✓	

Other Notes

APPENDIX B

Data Summaries

APPENDIX B-1

Site FT002/IA GW OU

Appendix B-1
Groundwater Analytical Data (March 2018)
FT002/Industrial Area Groundwater Operable Unit
Fifth Five-Year Review

			Location	63PLTW20	MW-02-006	MW-02-008	MW-02-010	MW-02-017	MW-02-038	MW-02-044	MW-02-073	MW-02-083	MW-02-086
			Sample Date	3/29/2018	3/27/2018	3/27/2018	3/27/2018	3/27/2018	3/27/2018	3/27/2018	3/28/2018	3/28/2018	3/28/2018
			Sample Type	N	N	N	N	N	N	N	N	N	N
Method	**Chemical Name**	**Screening Criteria**	**Units**										
SW8260B	1,1,1,2-Tetrachloroethane	5	µg/L	< 0.80 U	< 0.80 U	< 3.2 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	1,1,1-Trichloroethane	5	µg/L	< 0.40 U	< 0.40 U	< 1.6 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	1,1,2,2-Tetrachloroethane	5	µg/L	< 0.80 U	< 0.80 U	< 3.2 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	1,1,2-Trichloroethane	1	µg/L	< 0.80 U	< 0.80 U	< 3.2 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	1,1-Dichloroethane	5	µg/L	< 0.80 U	< 0.80 U	< 3.2 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	1,1-Dichloroethene	5	µg/L	< 0.80 U	< 0.80 U	< 3.2 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	1,1-Dichloropropene	5	µg/L	< 0.40 U	< 0.40 U	< 1.6 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	1,2,3-Trichlorobenzene	5	µg/L	< 0.80 U	< 0.80 U	< 3.2 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	1,2,3-Trichloropropane	0.04	µg/L	< 0.80 U	< 0.80 U	< 3.2 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	1,2,4-Trichlorobenzene	5	µg/L	< 0.80 U	< 0.80 U	**1.6 JD**	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	1,2,4-Trimethylbenzene	5	µg/L	< 0.40 U	< 0.40 U	**7.6 D**	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	1,2-Dibromo-3-chloropropane	0.04	µg/L	< 1.6 U	< 1.6 U	< 6.4 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U
SW8260B	1,2-Dibromoethane	0.0006	µg/L	< 0.40 U	< 0.40 U	< 1.6 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	1,2-Dichlorobenzene	3	µg/L	< 0.40 U	< 0.40 U	**39 D**	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	1,2-Dichloroethane	0.6	µg/L	< 0.40 U	< 0.40 U	< 1.6 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	1,2-Dichloroethene, Total	5	µg/L	< 0.20 U	< 0.20 U	< 0.80 U	< 0.20 U	**2.8**	**4.5**	< 0.20 U	< 0.20 U	**31**	< 0.20 U
SW8260B	1,2-Dichloropropane	1	µg/L	< 0.40 U	< 0.40 U	< 1.6 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	1,3,5-Trimethylbenzene	5	µg/L	< 0.40 U	< 0.40 U	**11 D**	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	1,3-Dichlorobenzene	3	µg/L	< 0.40 U	< 0.40 U	**13 D**	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	1,3-Dichloropropane	5	µg/L	< 0.80 U	< 0.80 U	< 3.2 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	1,4-Dichlorobenzene	3	µg/L	< 0.40 U	< 0.40 U	**23 D**	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	2,2-Dichloropropane	5	µg/L	< 0.40 U	< 0.40 U	< 1.6 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	2-Butanone (MEK)	50	µg/L	< 4.0 U	< 4.0 U	< 16 U	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U
SW8260B	2-Chlorotoluene	5	µg/L	< 0.40 U	< 0.40 U	< 1.6 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	4-Chlorotoluene	5	µg/L	< 0.80 U	< 0.80 U	< 3.2 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	4-Methyl-2-Pentanone	--	µg/L	< 3.2 U	< 3.2 U	< 13 U	< 3.2 U	< 3.2 U	< 3.2 U	< 3.2 U	< 3.2 U	< 3.2 U	< 3.2 U
SW8260B	Acetone	50	µg/L	< 6.4 U	< 6.4 U	**94 D**	< 6.4 U	< 6.4 U	< 6.4 U	< 6.4 U	< 6.4 U	< 6.4 U	< 6.4 U
SW8260B	Benzene	1	µg/L	< 0.40 U	< 0.40 U	< 1.6 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Bromobenzene	5	µg/L	< 0.40 U	< 0.40 U	< 1.6 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Bromochloromethane	5	µg/L	< 0.20 U	< 0.20 U	< 0.80 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U
SW8260B	Bromodichloromethane	50	µg/L	< 0.40 U	< 0.40 U	< 1.6 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Bromoform	50	µg/L	< 0.40 U	< 0.40 U	< 1.6 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Bromomethane	5	µg/L	< 0.80 U	< 0.80 U	< 3.2 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	Carbon Disulfide	60	µg/L	< 1.6 U	< 1.6 U	< 6.4 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U
SW8260B	Carbon Tetrachloride	5	µg/L	< 0.40 U	< 0.40 U	< 1.6 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	CFC-11	5	µg/L	< 0.80 U	< 0.80 U	< 3.2 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	CFC-12	5	µg/L	< 0.80 U	< 0.80 U	< 3.2 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	**0.60 J**	< 0.80 U
SW8260B	Chlorobenzene	5	µg/L	< 0.40 U	< 0.40 U	< 1.6 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Chlorodibromomethane	50	µg/L	< 0.40 U	< 0.40 U	< 1.6 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Chloroethane	5	µg/L	< 1.6 U	< 1.6 U	< 6.4 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U
SW8260B	Chloroform	7	µg/L	< 0.40 U	< 0.40 U	< 1.6 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Chloromethane	5	µg/L	< 0.80 U	< 0.80 U	< 3.2 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	cis-1,2-Dichloroethene	5	µg/L	< 0.40 U	< 0.40 U	< 1.6 U	< 0.40 U	**2.8**	**4.5**	< 0.40 U	< 0.40 U	**24**	< 0.40 U
SW8260B	cis-1,3-Dichloropropene	0.4	µg/L	< 0.40 U	< 0.40 U	< 1.6 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Cymene (p-Isopropyltoluene)	5	µg/L	< 0.40 U	< 0.40 U	< 1.6 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U

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Groundwater Analytical Data (March 2018)
FT002/Industrial Area Groundwater Operable Unit
Fifth Five-Year Review

			Location	63PLTW20	MW-02-006	MW-02-008	MW-02-010	MW-02-017	MW-02-038	MW-02-044	MW-02-073	MW-02-083	MW-02-086
			Sample Date	3/29/2018	3/27/2018	3/27/2018	3/27/2018	3/27/2018	3/27/2018	3/27/2018	3/28/2018	3/28/2018	3/28/2018
			Sample Type	N	N	N	N	N	N	N	N	N	N
Method	**Chemical Name**	**Screening Criteria**	**Units**										
SW8260B	Dibromomethane	5	µg/L	< 0.40 U	< 0.40 U	< 1.6 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Dichloromethane (methylene chloride)	5	µg/L	< 0.80 U	< 0.80 U	< 3.2 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	Ethylbenzene	5	µg/L	< 0.40 U	**2.9**	**4.8 D**	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Hexachloro-1,3-butadiene	0.5	µg/L	< 0.80 U	< 0.80 U	< 3.2 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	Isopropylbenzene	5	µg/L	< 0.40 U	**0.46 J**	**0.93 JD**	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	m&p-Xylenes	5	µg/L	< 0.80 U	< 0.80 U	**26 D**	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	Methyl N-Butyl Ketone (2-Hexanone)	50	µg/L	< 4.0 U	< 4.0 U	< 16 U	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U
SW8260B	Methylcyclohexane	--	µg/L	< 0.80 U	< 0.80 U	**7.9 JD**	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	Methyl-tert-butylether	10	µg/L	< 0.80 U	< 0.80 U	< 3.2 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	Naphthalene	10	µg/L	< 0.80 U	< 0.80 U	**3.9 JD**	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	n-Butylbenzene	5	µg/L	< 0.80 U	< 0.80 U	< 3.2 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	n-Propylbenzene	5	µg/L	< 0.40 U	**0.23 J**	**1.1 JD**	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	o-Xylene	5	µg/L	< 0.40 U	< 0.40 U	**51 D**	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	sec-Butylbenzene	5	µg/L	< 0.40 U	< 0.40 U	< 1.6 U	< 0.40 U	**0.45 J**	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Styrene (Monomer)	5	µg/L	< 0.40 U	< 0.40 U	< 1.6 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	tert-Butylbenzene	5	µg/L	< 0.40 U	< 0.40 U	< 1.6 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Tetrachloroethene	5	µg/L	< 0.40 U	< 0.40 U	< 1.6 U	< 0.40 U	**0.23 J**	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Toluene	5	µg/L	< 0.40 U	< 0.40 U	< 1.6 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Total Xylenes	5	µg/L	< 0.80 U	< 0.80 U	**77**	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	trans-1,2-Dichloroethene	5	µg/L	< 0.40 U	< 0.40 U	< 1.6 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	**7.3**	< 0.40 U
SW8260B	trans-1,3-Dichloropropene	0.4	µg/L	< 0.40 U	**0.20 J**	< 1.6 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Trichloroethene	5	µg/L	**3.2**	< 0.40 U	< 1.6 U	**8.2**	**9.9**	**11**	< 0.40 U	< 0.40 U	**160 D**	**0.22 J**
SW8260B	Vinyl chloride	2	µg/L	< 0.20 U	< 0.20 U	< 0.80 U	< 0.20 U	< 0.20 U	**0.63 J**	< 0.20 U	< 0.20 U	**0.39 J**	< 0.20 U
E350.1	Ammonia Nitrogen	2	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Groundwater Analytical Data (March 2018)
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			Location	MW-02-089	MW-02-094	MW-11-001	MW-11-002R	MW-11-002R	MW-11-003R	MW-11-004	MW-11-008	MW-11-010	MW-11-010
			Sample Date	4/18/2018	3/27/2018	3/28/2018	3/28/2018	3/28/2018	3/28/2018	3/28/2018	3/29/2018	3/28/2018	3/28/2018
			Sample Type	N	N	N	N	FD	N	N	N	N	FD
Method	**Chemical Name**	**Screening Criteria**	**Units**										
SW8260B	1,1,1,2-Tetrachloroethane	5	µg/L	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	1,1,1-Trichloroethane	5	µg/L	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	1,1,2,2-Tetrachloroethane	5	µg/L	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	1,1,2-Trichloroethane	1	µg/L	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	1,1-Dichloroethane	5	µg/L	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	1,1-Dichloroethene	5	µg/L	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	1,1-Dichloropropene	5	µg/L	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	1,2,3-Trichlorobenzene	5	µg/L	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	1,2,3-Trichloropropane	0.04	µg/L	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	1,2,4-Trichlorobenzene	5	µg/L	< 0.80 U	< 0.80 UJ	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	1,2,4-Trimethylbenzene	5	µg/L	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	1,2-Dibromo-3-chloropropane	0.04	µg/L	< 1.6 UJ	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U
SW8260B	1,2-Dibromoethane	0.0006	µg/L	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	1,2-Dichlorobenzene	3	µg/L	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	1,2-Dichloroethane	0.6	µg/L	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	1,2-Dichloroethene, Total	5	µg/L	**0.25 J**	< 0.20 U	**16**	**0.30 J**	**0.32 J**	< 0.20 U	**1.1**	**8.2**	**5.4**	**5.2**
SW8260B	1,2-Dichloropropane	1	µg/L	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	1,3,5-Trimethylbenzene	5	µg/L	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	1,3-Dichlorobenzene	3	µg/L	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	1,3-Dichloropropane	5	µg/L	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	1,4-Dichlorobenzene	3	µg/L	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	2,2-Dichloropropane	5	µg/L	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	2-Butanone (MEK)	50	µg/L	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U
SW8260B	2-Chlorotoluene	5	µg/L	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	4-Chlorotoluene	5	µg/L	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	4-Methyl-2-Pentanone	--	µg/L	< 3.2 U	< 3.2 U	< 3.2 U	< 3.2 U	< 3.2 U	< 3.2 U	< 3.2 U	< 3.2 U	< 3.2 U	< 3.2 U
SW8260B	Acetone	50	µg/L	< 6.4 U	< 6.4 U	< 6.4 U	< 6.4 U	< 6.4 U	< 6.4 U	< 6.4 U	< 6.4 U	< 6.4 U	< 6.4 U
SW8260B	Benzene	1	µg/L	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Bromobenzene	5	µg/L	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Bromochloromethane	5	µg/L	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U
SW8260B	Bromodichloromethane	50	µg/L	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Bromoform	50	µg/L	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Bromomethane	5	µg/L	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	Carbon Disulfide	60	µg/L	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U
SW8260B	Carbon Tetrachloride	5	µg/L	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	CFC-11	5	µg/L	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	CFC-12	5	µg/L	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	Chlorobenzene	5	µg/L	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Chlorodibromomethane	50	µg/L	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Chloroethane	5	µg/L	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U
SW8260B	Chloroform	7	µg/L	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Chloromethane	5	µg/L	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	cis-1,2-Dichloroethene	5	µg/L	**0.25 J**	< 0.40 U	**15**	**0.30 J**	**0.32 J**	< 0.40 U	**1.1**	**3.6**	**3.9**	**3.7**
SW8260B	cis-1,3-Dichloropropene	0.4	µg/L	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Cymene (p-Isopropyltoluene)	5	µg/L	< 0.40 U	< 0.40 UJ	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U

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			Location	MW-02-089	MW-02-094	MW-11-001	MW-11-002R	MW-11-002R	MW-11-003R	MW-11-004	MW-11-008	MW-11-010	MW-11-010
			Sample Date	4/18/2018	3/27/2018	3/28/2018	3/28/2018	3/28/2018	3/28/2018	3/28/2018	3/29/2018	3/28/2018	3/28/2018
			Sample Type	N	N	N	N	FD	N	N	N	N	FD
Method	**Chemical Name**	**Screening Criteria**	**Units**										
SW8260B	Dibromomethane	5	µg/L	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Dichloromethane (methylene chloride)	5	µg/L	< 0.80 U	< 0.80 U	< 0.80 U	**0.47 J**	**0.77 J**	< 0.80 U	< 0.80 U	< 0.80 U	**0.42 J**	**0.62 J**
SW8260B	Ethylbenzene	5	µg/L	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Hexachloro-1,3-butadiene	0.5	µg/L	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	Isopropylbenzene	5	µg/L	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	m&p-Xylenes	5	µg/L	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	Methyl N-Butyl Ketone (2-Hexanone)	50	µg/L	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U
SW8260B	Methylcyclohexane	--	µg/L	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	Methyl-tert-butylether	10	µg/L	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	Naphthalene	10	µg/L	< 0.80 U	< 0.80 UJ	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	n-Butylbenzene	5	µg/L	< 0.80 U	< 0.80 UJ	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	n-Propylbenzene	5	µg/L	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	o-Xylene	5	µg/L	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	sec-Butylbenzene	5	µg/L	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Styrene (Monomer)	5	µg/L	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	tert-Butylbenzene	5	µg/L	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Tetrachloroethene	5	µg/L	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	**0.30 J**	**0.26 J**
SW8260B	Toluene	5	µg/L	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Total Xylenes	5	µg/L	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	trans-1,2-Dichloroethene	5	µg/L	< 0.40 U	< 0.40 U	**1.1**	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	**4.6**	**1.5**	**1.5**
SW8260B	trans-1,3-Dichloropropene	0.4	µg/L	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Trichloroethene	5	µg/L	< 0.40 U	< 0.40 U	**0.53 J**	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	**0.35 J**	**16**	**15**
SW8260B	Vinyl chloride	2	µg/L	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	**0.17 J**	< 0.20 U	< 0.20 U
E350.1	Ammonia Nitrogen	2	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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			Location	MW-12-001R	MW-12-001R	MW-2612-03	MW-2612-15	MW-GWOU-11	MW-GWOU-13	MW-GWOU-15	MW-GWOU-16	MW-GWOU-19	MW-GWOU-22
			Sample Date	3/28/2018	3/28/2018	3/29/2018	3/27/2018	3/27/2018	3/27/2018	3/27/2018	3/27/2018	3/27/2018	3/27/2018
			Sample Type	N	FD	N	N	N	N	N	N	N	N
Method	**Chemical Name**	**Screening Criteria**	**Units**										
SW8260B	1,1,1,2-Tetrachloroethane	5	µg/L	NA	NA	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	1,1,1-Trichloroethane	5	µg/L	NA	NA	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	1,1,2,2-Tetrachloroethane	5	µg/L	NA	NA	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	1,1,2-Trichloroethane	1	µg/L	NA	NA	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	1,1-Dichloroethane	5	µg/L	NA	NA	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	1,1-Dichloroethene	5	µg/L	NA	NA	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	1,1-Dichloropropene	5	µg/L	NA	NA	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	1,2,3-Trichlorobenzene	5	µg/L	NA	NA	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	1,2,3-Trichloropropane	0.04	µg/L	NA	NA	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	1,2,4-Trichlorobenzene	5	µg/L	NA	NA	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	1,2,4-Trimethylbenzene	5	µg/L	NA	NA	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	1,2-Dibromo-3-chloropropane	0.04	µg/L	NA	NA	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U
SW8260B	1,2-Dibromoethane	0.0006	µg/L	NA	NA	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	1,2-Dichlorobenzene	3	µg/L	NA	NA	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	1,2-Dichloroethane	0.6	µg/L	NA	NA	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	1,2-Dichloroethene, Total	5	µg/L	NA	NA	**1.2**	**1.5**	< 0.20 U	< 0.20 U	**56**	**0.30 J**	**1.6**	< 0.20 U
SW8260B	1,2-Dichloropropane	1	µg/L	NA	NA	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	1,3,5-Trimethylbenzene	5	µg/L	NA	NA	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	1,3-Dichlorobenzene	3	µg/L	NA	NA	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	1,3-Dichloropropane	5	µg/L	NA	NA	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	1,4-Dichlorobenzene	3	µg/L	NA	NA	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	2,2-Dichloropropane	5	µg/L	NA	NA	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	2-Butanone (MEK)	50	µg/L	NA	NA	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U
SW8260B	2-Chlorotoluene	5	µg/L	NA	NA	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	4-Chlorotoluene	5	µg/L	NA	NA	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	4-Methyl-2-Pentanone	--	µg/L	NA	NA	< 3.2 U	< 3.2 U	< 3.2 U	< 3.2 U	< 3.2 U	< 3.2 U	< 3.2 U	< 3.2 U
SW8260B	Acetone	50	µg/L	NA	NA	< 6.4 U	< 6.4 U	**3.0 J**	< 6.4 U	< 6.4 U	< 6.4 U	< 6.4 U	< 6.4 U
SW8260B	Benzene	1	µg/L	NA	NA	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	**3.9**	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Bromobenzene	5	µg/L	NA	NA	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Bromochloromethane	5	µg/L	NA	NA	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U
SW8260B	Bromodichloromethane	50	µg/L	NA	NA	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Bromoform	50	µg/L	NA	NA	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Bromomethane	5	µg/L	NA	NA	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	Carbon Disulfide	60	µg/L	NA	NA	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U
SW8260B	Carbon Tetrachloride	5	µg/L	NA	NA	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	CFC-11	5	µg/L	NA	NA	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	CFC-12	5	µg/L	NA	NA	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	Chlorobenzene	5	µg/L	NA	NA	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Chlorodibromomethane	50	µg/L	NA	NA	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Chloroethane	5	µg/L	NA	NA	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U
SW8260B	Chloroform	7	µg/L	NA	NA	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Chloromethane	5	µg/L	NA	NA	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	cis-1,2-Dichloroethene	5	µg/L	NA	NA	**0.34 J**	**1.2**	< 0.40 U	< 0.40 U	**30**	**0.30 J**	**1.6**	< 0.40 U
SW8260B	cis-1,3-Dichloropropene	0.4	µg/L	NA	NA	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Cymene (p-Isopropyltoluene)	5	µg/L	NA	NA	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U

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Fifth Five-Year Review

			Location	MW-12-001R	MW-12-001R	MW-2612-03	MW-2612-15	MW-GWOU-11	MW-GWOU-13	MW-GWOU-15	MW-GWOU-16	MW-GWOU-19	MW-GWOU-22
			Sample Date	3/28/2018	3/28/2018	3/29/2018	3/27/2018	3/27/2018	3/27/2018	3/27/2018	3/27/2018	3/27/2018	3/27/2018
			Sample Type	N	FD	N	N	N	N	N	N	N	N
Method	**Chemical Name**	**Screening Criteria**	**Units**										
SW8260B	Dibromomethane	5	µg/L	NA	NA	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Dichloromethane (methylene chloride)	5	µg/L	NA	NA	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	**0.42 J**
SW8260B	Ethylbenzene	5	µg/L	NA	NA	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Hexachloro-1,3-butadiene	0.5	µg/L	NA	NA	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	Isopropylbenzene	5	µg/L	NA	NA	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	**0.82 J**	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	m&p-Xylenes	5	µg/L	NA	NA	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	Methyl N-Butyl Ketone (2-Hexanone)	50	µg/L	NA	NA	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U
SW8260B	Methylcyclohexane	--	µg/L	NA	NA	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	**1.3 J**	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	Methyl-tert-butylether	10	µg/L	NA	NA	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	Naphthalene	10	µg/L	NA	NA	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	n-Butylbenzene	5	µg/L	NA	NA	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	n-Propylbenzene	5	µg/L	NA	NA	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	o-Xylene	5	µg/L	NA	NA	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	sec-Butylbenzene	5	µg/L	NA	NA	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Styrene (Monomer)	5	µg/L	NA	NA	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	tert-Butylbenzene	5	µg/L	NA	NA	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Tetrachloroethene	5	µg/L	NA	NA	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Toluene	5	µg/L	NA	NA	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Total Xylenes	5	µg/L	NA	NA	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	trans-1,2-Dichloroethene	5	µg/L	NA	NA	**0.85 J**	**0.28 J**	< 0.40 U	< 0.40 U	**26**	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	trans-1,3-Dichloropropene	0.4	µg/L	NA	NA	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Trichloroethene	5	µg/L	NA	NA	< 0.40 U	< 0.40 U	< 0.40 U	**0.32 J**	**19**	**0.23 J**	**1.3**	**2.6**
SW8260B	Vinyl chloride	2	µg/L	NA	NA	**11**	< 0.20 U	< 0.20 U	< 0.20 U	**3.9**	< 0.20 U	< 0.20 U	< 0.20 U
E350.1	Ammonia Nitrogen	2	mg/L	< 0.050 U	**0.047 J**	NA	NA	NA	NA	NA	NA	NA	NA

Appendix B-1
Groundwater Analytical Data (March 2018)
FT002/Industrial Area Groundwater Operable Unit
Fifth Five-Year Review

			Location	MW-GWOU-23	MW-GWOU-26	MW-GWOU-27	MW-GWOU-32	MW-PH3-E6
			Sample Date	3/27/2018	3/27/2018	3/27/2018	3/28/2018	3/29/2018
			Sample Type	N	N	N	N	N
Method	**Chemical Name**	**Screening Criteria**	**Units**					
SW8260B	1,1,1,2-Tetrachloroethane	5	µg/L	< 0.80 U	< 3.2 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	1,1,1-Trichloroethane	5	µg/L	< 0.40 U	< 1.6 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	1,1,2,2-Tetrachloroethane	5	µg/L	< 0.80 U	< 3.2 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	1,1,2-Trichloroethane	1	µg/L	< 0.80 U	< 3.2 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	1,1-Dichloroethane	5	µg/L	< 0.80 U	< 3.2 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	1,1-Dichloroethene	5	µg/L	< 0.80 U	< 3.2 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	1,1-Dichloropropene	5	µg/L	< 0.40 U	< 1.6 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	1,2,3-Trichlorobenzene	5	µg/L	< 0.80 U	< 3.2 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	1,2,3-Trichloropropane	0.04	µg/L	< 0.80 U	< 3.2 U	< 0.80 U	< 0.80 U	**1.4 J**
SW8260B	1,2,4-Trichlorobenzene	5	µg/L	< 0.80 U	< 3.2 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	1,2,4-Trimethylbenzene	5	µg/L	< 0.40 U	**140 D**	< 0.40 U	< 0.40 U	**7.0 J**
SW8260B	1,2-Dibromo-3-chloropropane	0.04	µg/L	< 1.6 U	< 6.4 U	< 1.6 U	< 1.6 U	< 1.6 U
SW8260B	1,2-Dibromoethane	0.0006	µg/L	< 0.40 U	< 1.6 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	1,2-Dichlorobenzene	3	µg/L	< 0.40 U	**1.5 JD**	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	1,2-Dichloroethane	0.6	µg/L	< 0.40 U	< 1.6 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	1,2-Dichloroethene, Total	5	µg/L	< 0.20 U	**2.1 J**	< 0.20 U	**0.77 J**	< 0.20 U
SW8260B	1,2-Dichloropropane	1	µg/L	< 0.40 U	< 1.6 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	1,3,5-Trimethylbenzene	5	µg/L	< 0.40 U	**34 D**	< 0.40 U	< 0.40 U	**64 D**
SW8260B	1,3-Dichlorobenzene	3	µg/L	< 0.40 U	**2.6 JD**	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	1,3-Dichloropropane	5	µg/L	< 0.80 U	< 3.2 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	1,4-Dichlorobenzene	3	µg/L	< 0.40 U	**6.4 D**	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	2,2-Dichloropropane	5	µg/L	< 0.40 U	< 1.6 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	2-Butanone (MEK)	50	µg/L	< 4.0 U	< 16 U	< 4.0 U	< 4.0 U	< 4.0 U
SW8260B	2-Chlorotoluene	5	µg/L	< 0.40 U	< 1.6 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	4-Chlorotoluene	5	µg/L	< 0.80 U	< 3.2 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	4-Methyl-2-Pentanone	--	µg/L	< 3.2 U	< 13 U	< 3.2 U	< 3.2 U	< 3.2 U
SW8260B	Acetone	50	µg/L	< 6.4 U	**13 JD**	< 6.4 U	< 6.4 U	< 6.4 U
SW8260B	Benzene	1	µg/L	< 0.40 U	< 1.6 U	< 0.40 U	< 0.40 U	**0.62 J**
SW8260B	Bromobenzene	5	µg/L	< 0.40 U	< 1.6 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Bromochloromethane	5	µg/L	< 0.20 U	< 0.80 U	< 0.20 U	< 0.20 U	< 0.20 U
SW8260B	Bromodichloromethane	50	µg/L	< 0.40 U	< 1.6 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Bromoform	50	µg/L	< 0.40 U	< 1.6 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Bromomethane	5	µg/L	< 0.80 U	< 3.2 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	Carbon Disulfide	60	µg/L	< 1.6 U	< 6.4 U	< 1.6 U	< 1.6 U	< 1.6 U
SW8260B	Carbon Tetrachloride	5	µg/L	< 0.40 U	< 1.6 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	CFC-11	5	µg/L	< 0.80 U	< 3.2 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	CFC-12	5	µg/L	< 0.80 U	< 3.2 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	Chlorobenzene	5	µg/L	< 0.40 U	< 1.6 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Chlorodibromomethane	50	µg/L	< 0.40 U	< 1.6 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Chloroethane	5	µg/L	< 1.6 U	< 6.4 U	< 1.6 U	< 1.6 U	< 1.6 U
SW8260B	Chloroform	7	µg/L	< 0.40 U	< 1.6 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Chloromethane	5	µg/L	< 0.80 U	< 3.2 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	cis-1,2-Dichloroethene	5	µg/L	< 0.40 U	**2.1 JD**	< 0.40 U	**0.77 J**	< 0.40 U
SW8260B	cis-1,3-Dichloropropene	0.4	µg/L	< 0.40 U	< 1.6 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Cymene (p-Isopropyltoluene)	5	µg/L	< 0.40 U	**16 D**	< 0.40 U	< 0.40 U	**1.8 J**

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			Location	MW-GWOU-23	MW-GWOU-26	MW-GWOU-27	MW-GWOU-32	MW-PH3-E6
			Sample Date	3/27/2018	3/27/2018	3/27/2018	3/28/2018	3/29/2018
			Sample Type	N	N	N	N	N
Method	**Chemical Name**	**Screening Criteria**	**Units**					
SW8260B	Dibromomethane	5	µg/L	< 0.40 U	< 1.6 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Dichloromethane (methylene chloride)	5	µg/L	< 0.80 U	< 3.2 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	Ethylbenzene	5	µg/L	< 0.40 U	**26 D**	< 0.40 U	< 0.40 U	**310 D**
SW8260B	Hexachloro-1,3-butadiene	0.5	µg/L	< 0.80 U	< 3.2 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	Isopropylbenzene	5	µg/L	< 0.40 U	**7.1 D**	< 0.40 U	< 0.40 U	**110 D**
SW8260B	m&p-Xylenes	5	µg/L	< 0.80 U	**72 D**	< 0.80 U	< 0.80 U	**15 J**
SW8260B	Methyl N-Butyl Ketone (2-Hexanone)	50	µg/L	< 4.0 U	< 16 U	< 4.0 U	< 4.0 U	< 4.0 U
SW8260B	Methylcyclohexane	--	µg/L	< 0.80 U	**84 D**	< 0.80 U	< 0.80 U	**75 D**
SW8260B	Methyl-tert-butylether	10	µg/L	< 0.80 U	< 3.2 U	< 0.80 U	< 0.80 U	< 0.80 U
SW8260B	Naphthalene	10	µg/L	< 0.80 U	**15 D**	< 0.80 U	< 0.80 U	**1.6 J**
SW8260B	n-Butylbenzene	5	µg/L	< 0.80 U	**7.7 D**	< 0.80 U	< 0.80 U	**7.3 J**
SW8260B	n-Propylbenzene	5	µg/L	< 0.40 U	**6.3 D**	< 0.40 U	< 0.40 U	**70 D**
SW8260B	o-Xylene	5	µg/L	< 0.40 U	**5.4 D**	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	sec-Butylbenzene	5	µg/L	< 0.40 U	**6.2 D**	< 0.40 U	< 0.40 U	**27 J**
SW8260B	Styrene (Monomer)	5	µg/L	< 0.40 U	< 1.6 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	tert-Butylbenzene	5	µg/L	< 0.40 U	< 1.6 U	< 0.40 U	< 0.40 U	**2.1 J**
SW8260B	Tetrachloroethene	5	µg/L	< 0.40 U	< 1.6 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Toluene	5	µg/L	< 0.40 U	**0.74 JD**	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	Total Xylenes	5	µg/L	< 0.80 U	**77**	< 0.80 U	< 0.80 U	**15 J**
SW8260B	trans-1,2-Dichloroethene	5	µg/L	< 0.40 U	< 1.6 U	< 0.40 U	< 0.40 U	< 0.40 U
SW8260B	trans-1,3-Dichloropropene	0.4	µg/L	< 0.40 U	< 1.6 U	< 0.40 U	< 0.40 U	**0.33 J**
SW8260B	Trichloroethene	5	µg/L	< 0.40 U	< 1.6 U	**0.19 J**	**0.40 J**	< 0.40 U
SW8260B	Vinyl chloride	2	µg/L	< 0.20 U	**0.41 JD**	< 0.20 U	< 0.20 U	< 0.20 U
E350.1	Ammonia Nitrogen	2	mg/L	NA	NA	NA	NA	NA

Notes:

Detections are **boldfaced**
Exceedances are shaded grey.
Screening Criteria: NYSDEC TOGS 1 1 1 (GA GROUNDWATER)
VOCs were analyzed using Method SW 8620B
Ammonia Nitrogen was analyzed using Method E350.1
NAPL was measured in MW-PH3-G5 in December 2016, so a sample was not collected.

µg/L: micrograms per liter
D: duplicate sample
mg/L: miligrams per liter
N: normal (parent) sample

Data Qualifiers:
D: Concentration is based on a diluted sample analysis.
J: The compound was positively identified; however, the associated numerical value is an estimated concentration only.
U: The compound was analyzed for but not detected. The associated value is the compound quantitation limit.
UJ: The compound was not detected above the reported sample quantitation limit. However, the reported limit is approximate and may or may not represent the actual limit of quantitation.

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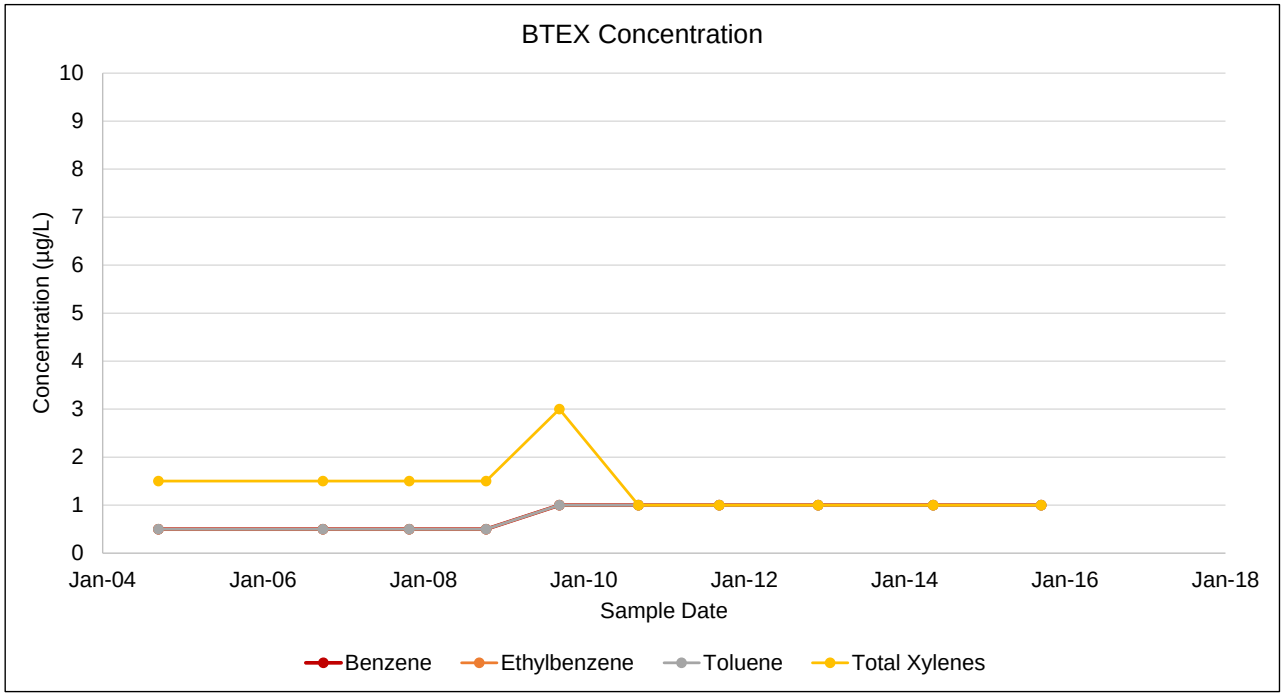
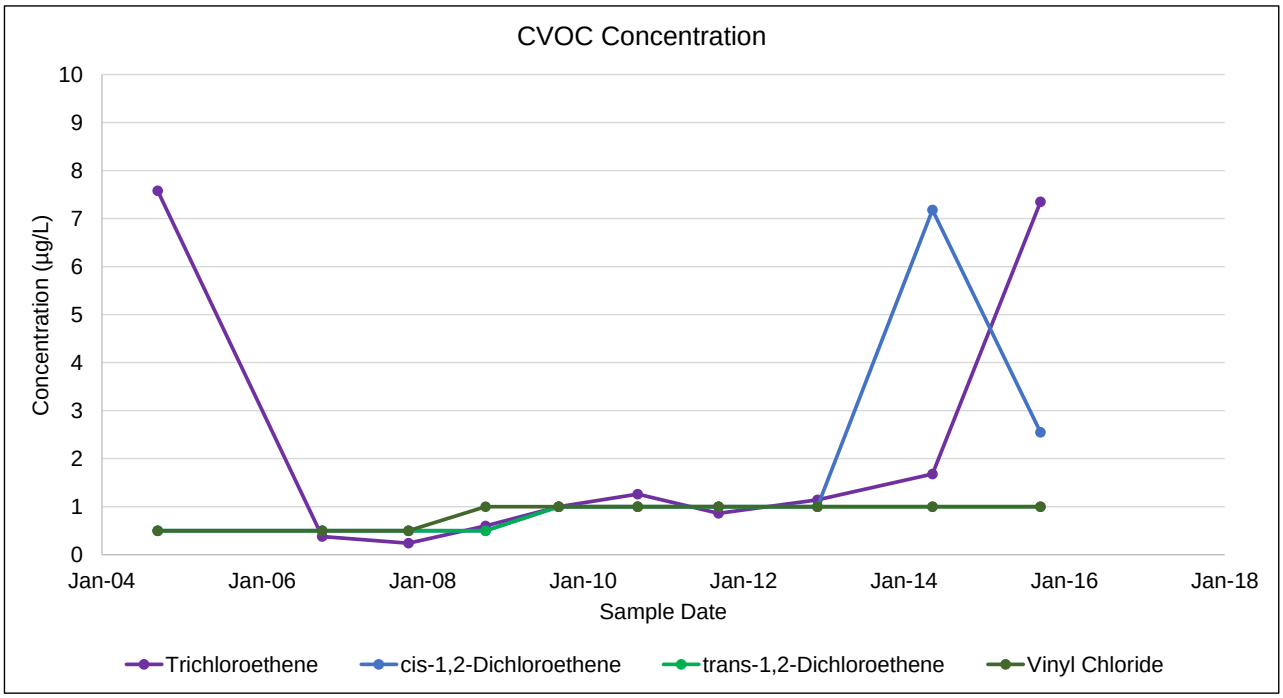
44-PLT-W1





Notes:
µg/L: micrograms per liter
BTEX: benzene, toluene, ethylbenzene and total xylenes
CVOC: chlorinated volatile organic compound
Non-detect sample results are presented as half the reporting limit

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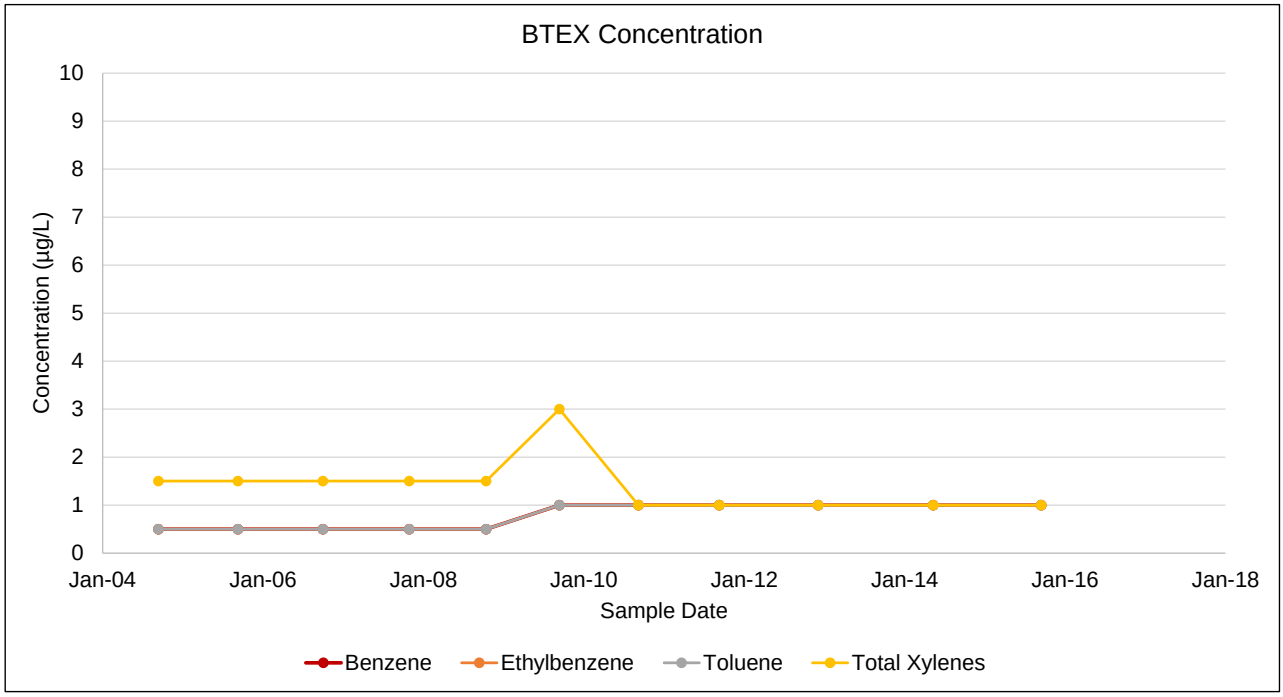
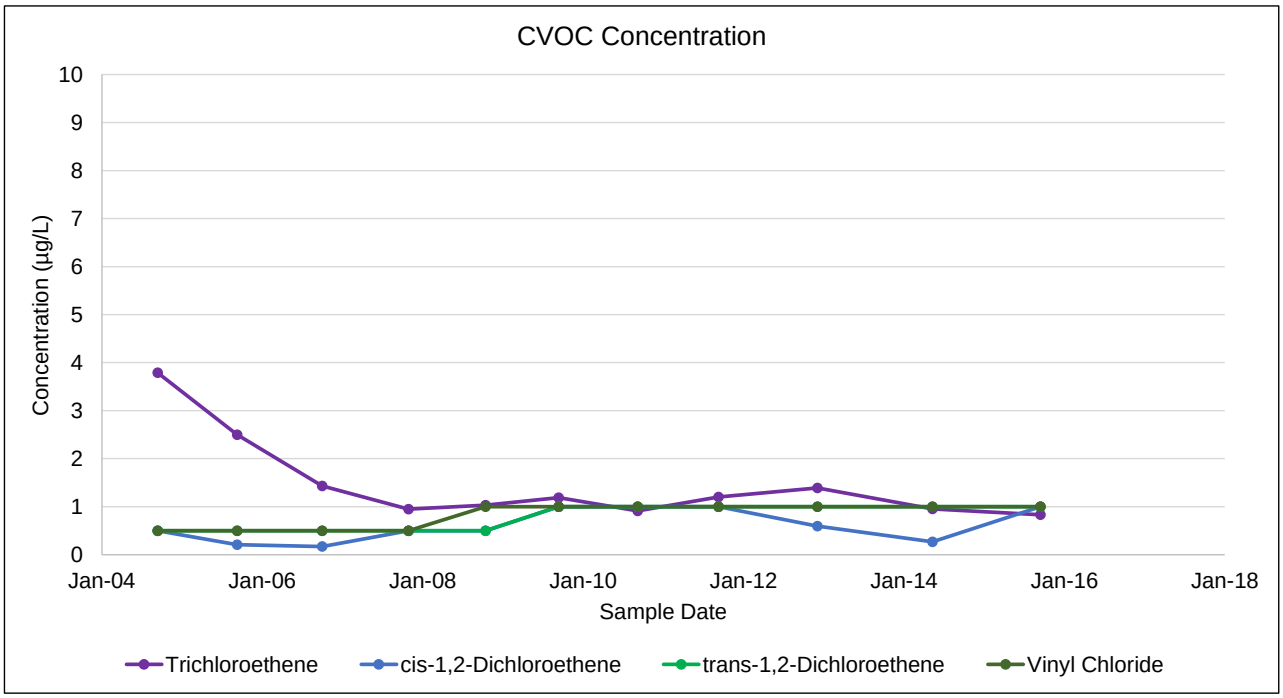
45-PLT-W1





Notes:
µg/L: micrograms per liter
BTEX: benzene, toluene, ethylbenzene and total xylenes
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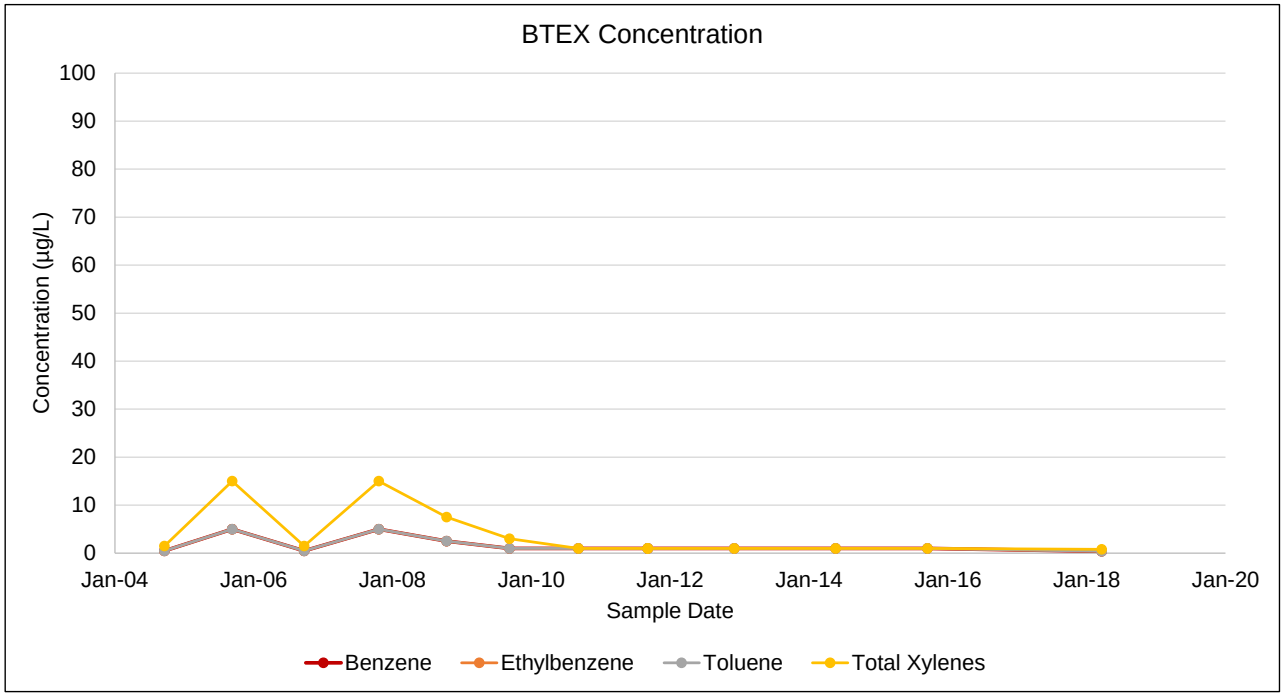
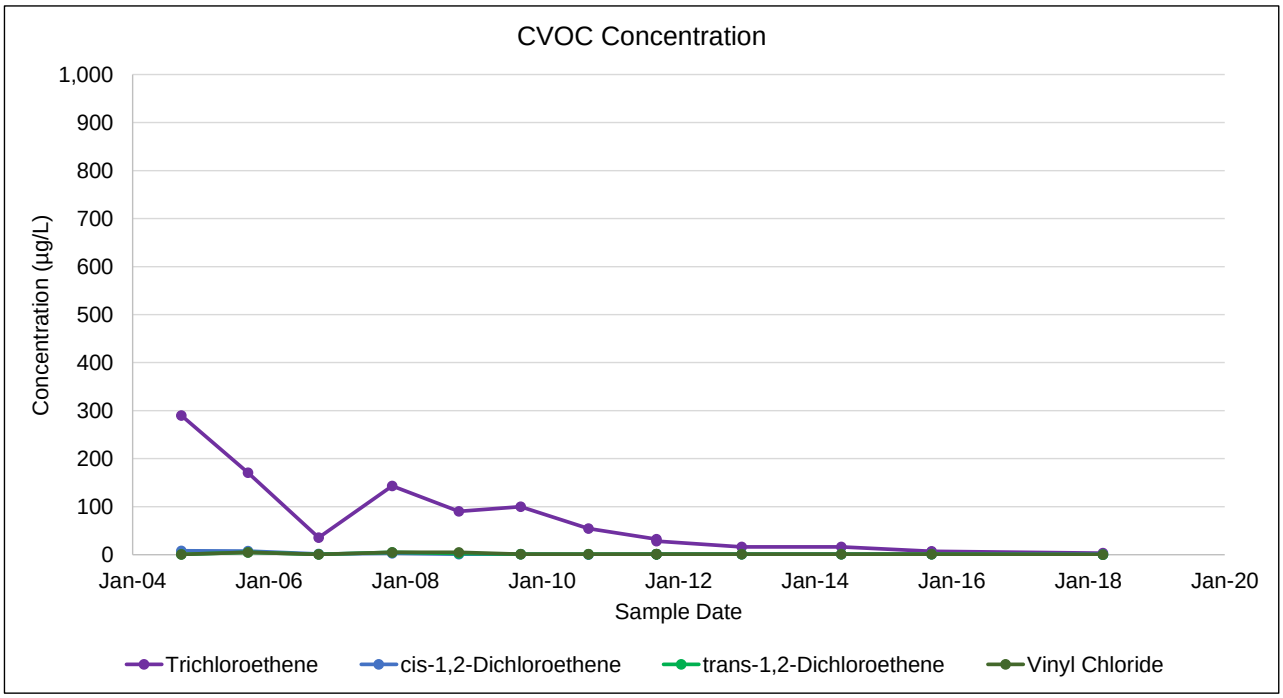
63PLTW20





Notes:
µg/L: micrograms per liter
BTEX: benzene, toluene, ethylbenzene and total xylenes
CVOC: chlorinated volatile organic compound
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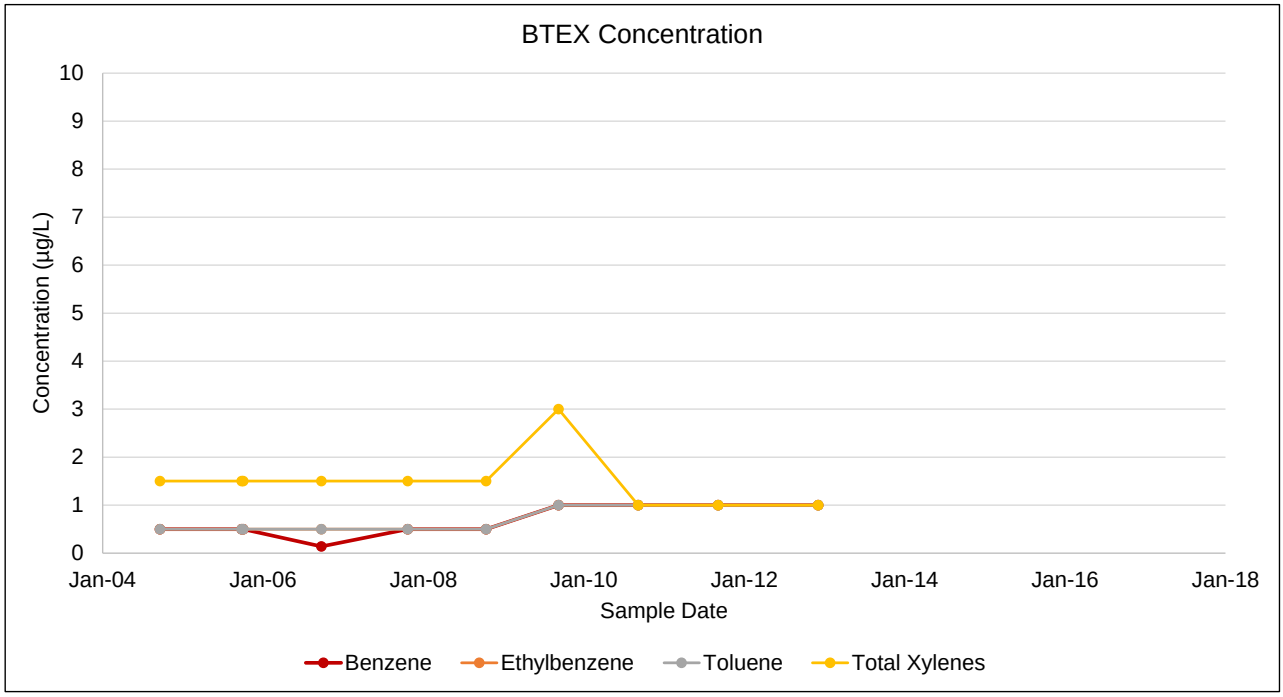
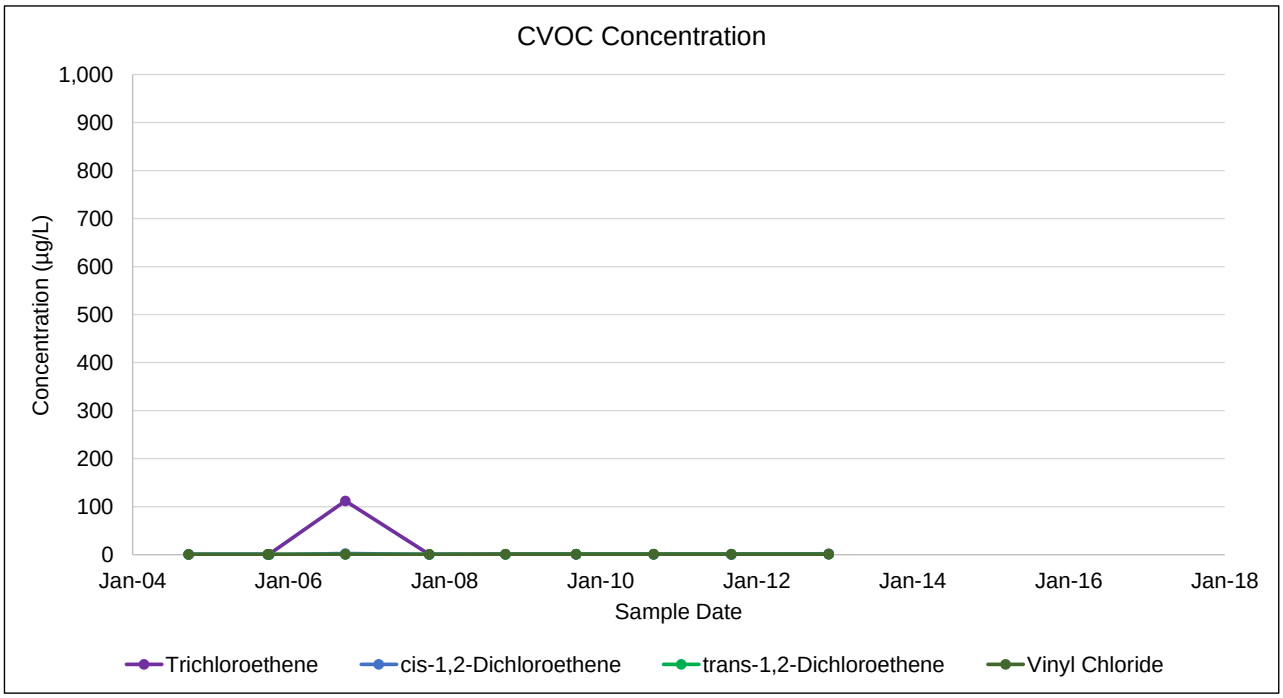
68PLTW21





Notes:
µg/L: micrograms per liter
BTEX: benzene, toluene, ethylbenzene and total xylenes
CVOC: chlorinated volatile organic compound
Non-detect sample results are presented as half the reporting limit

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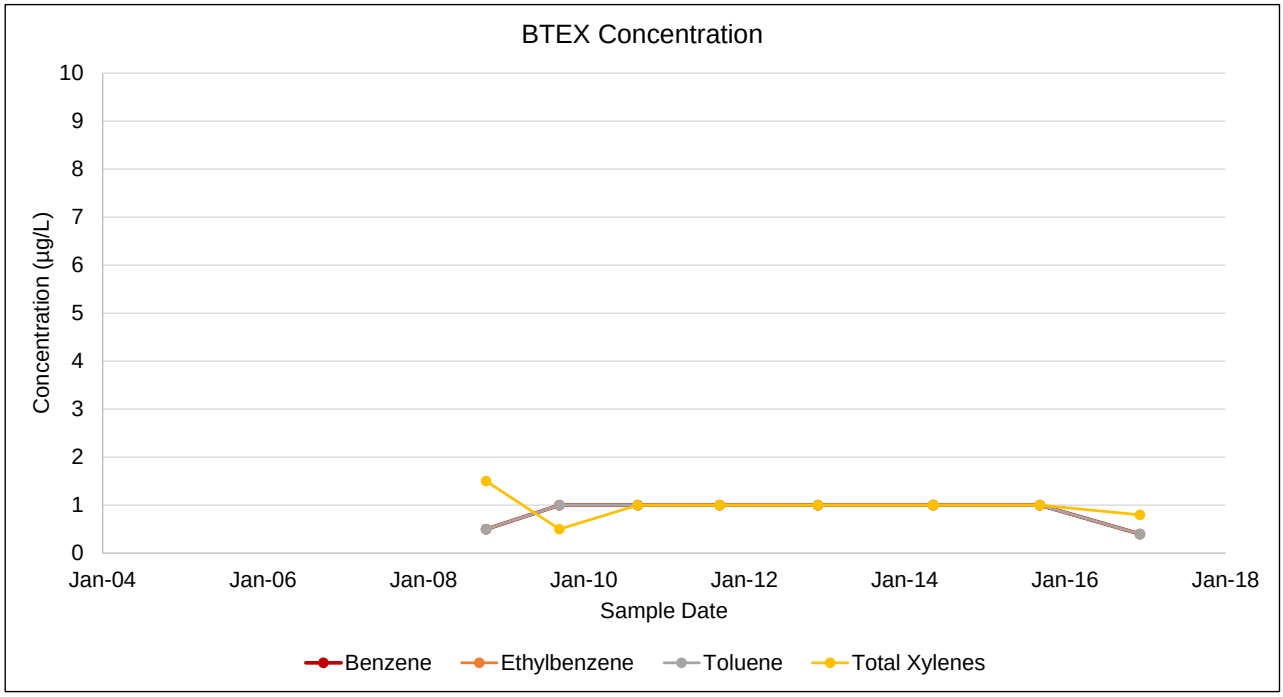
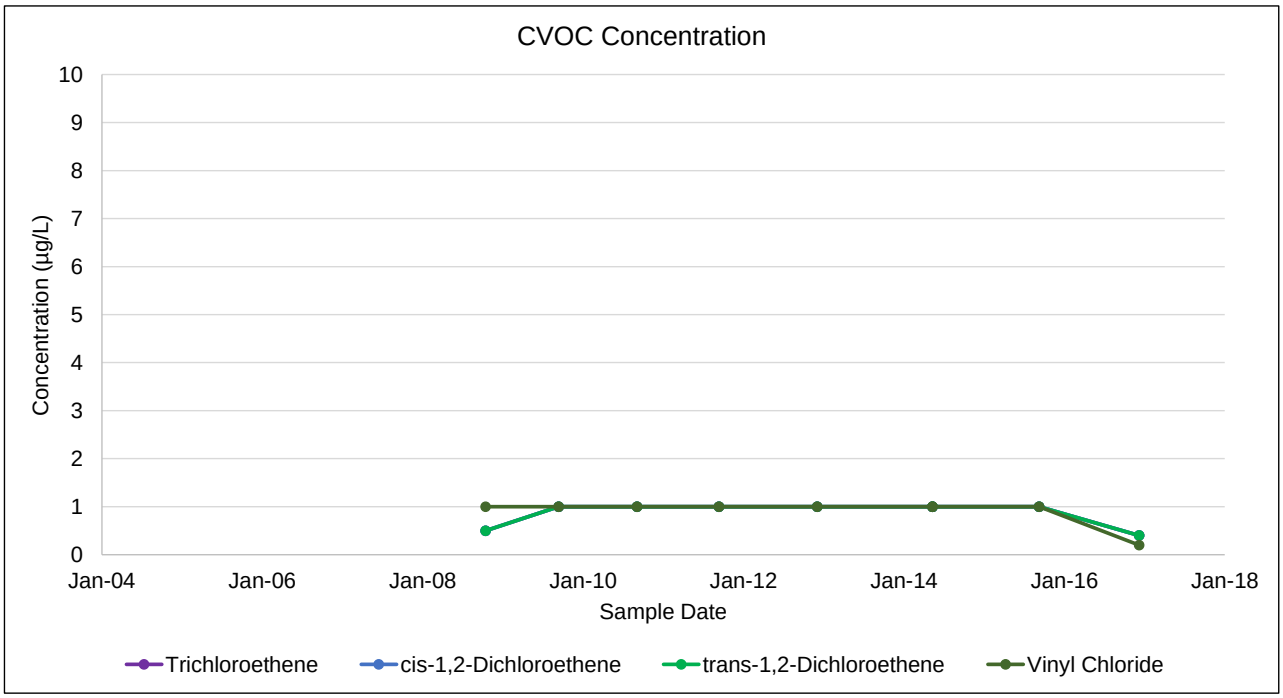
MW-02-005





Notes:
µg/L: micrograms per liter
BTEX: benzene, toluene, ethylbenzene and total xylenes
CVOC: chlorinated volatile organic compound
Non-detect sample results are presented as half the reporting limit

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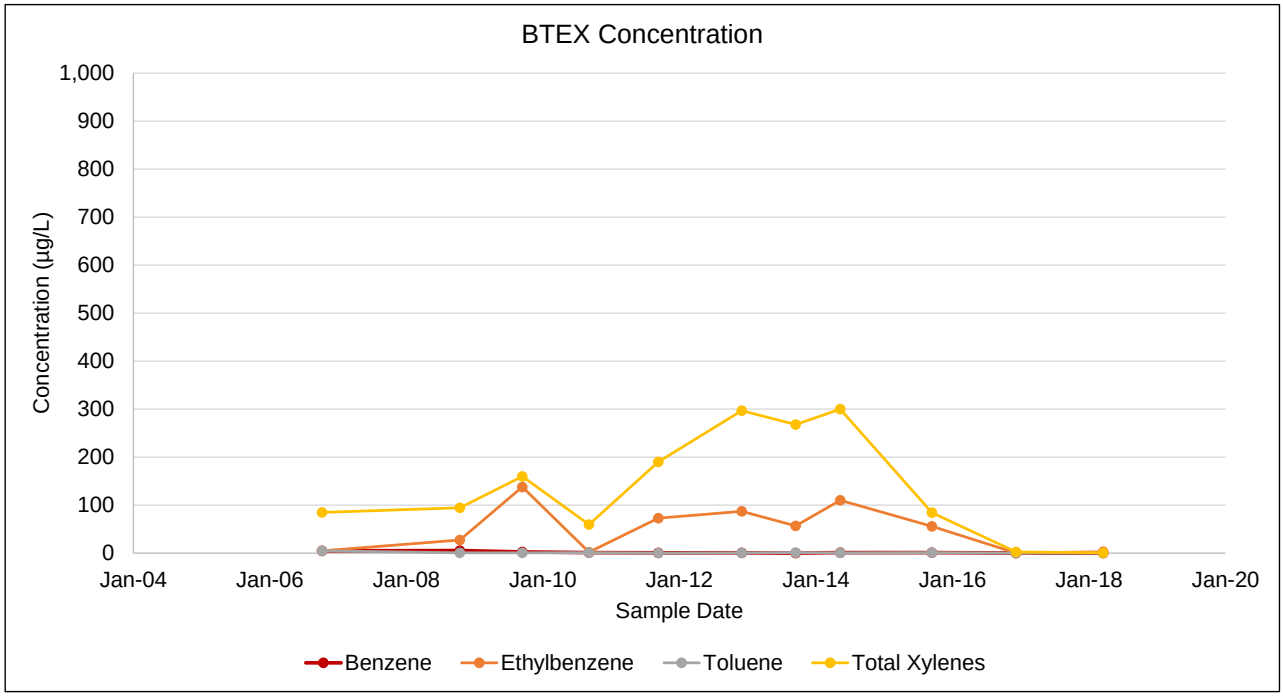
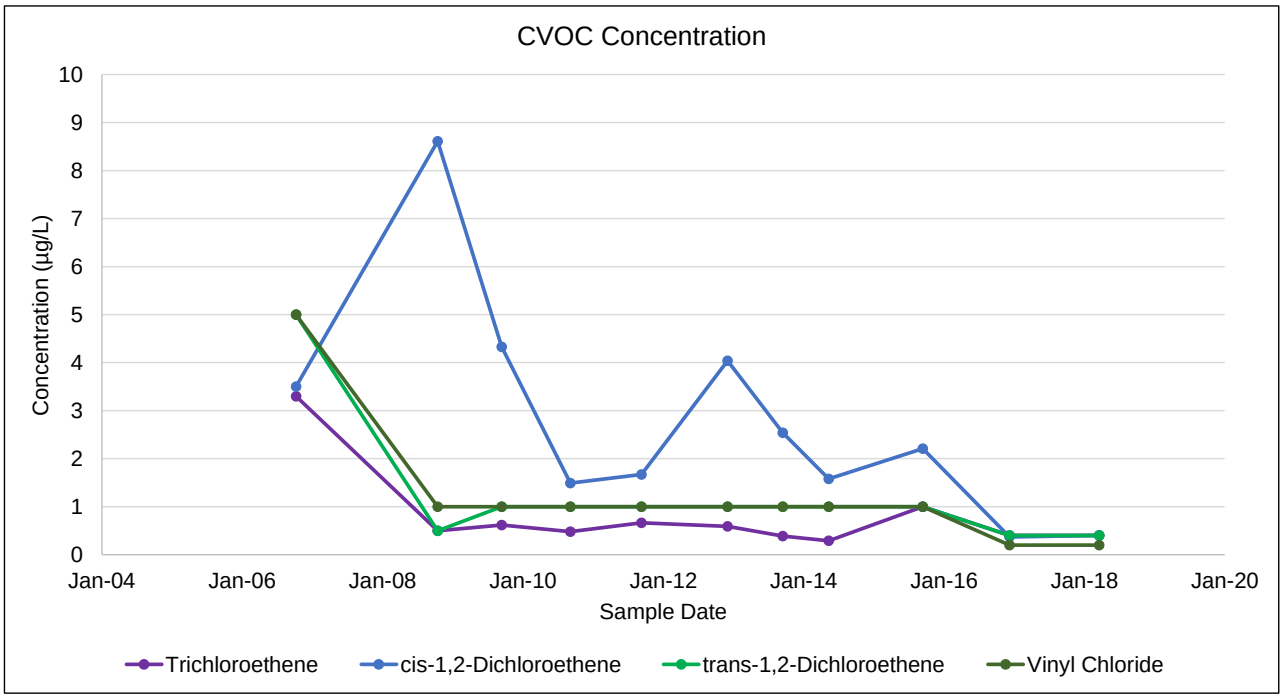
MW-02-006





Notes:
µg/L: micrograms per liter
BTEX: benzene, toluene, ethylbenzene and total xylenes
CVOC: chlorinated volatile organic compound
Non-detect sample results are presented as half the reporting limit

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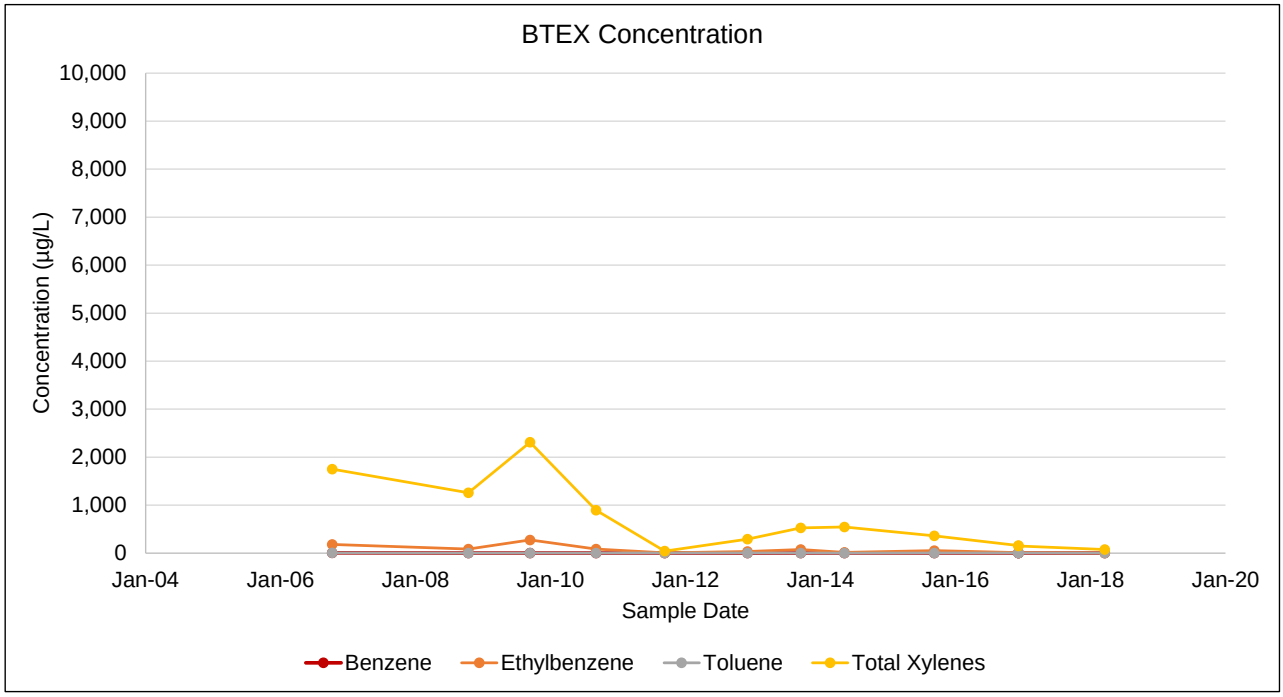
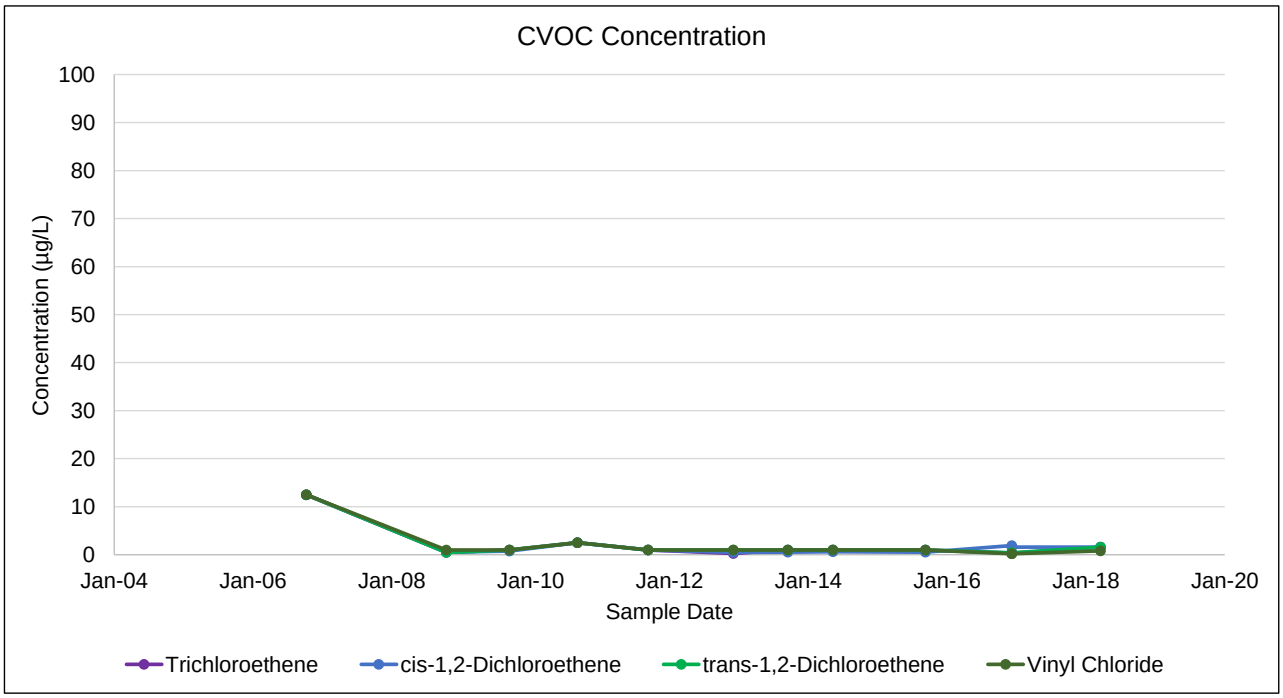
FT002 - Industrial Area Groundwater Operable Unit

MW-02-008

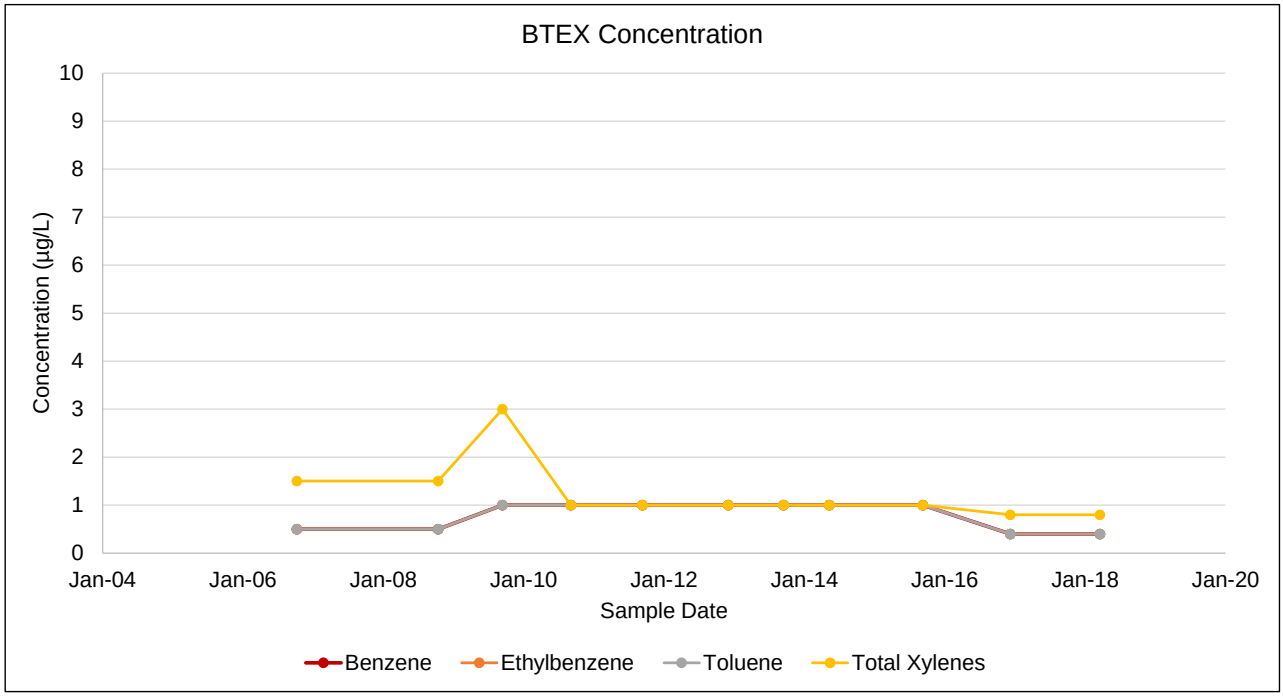


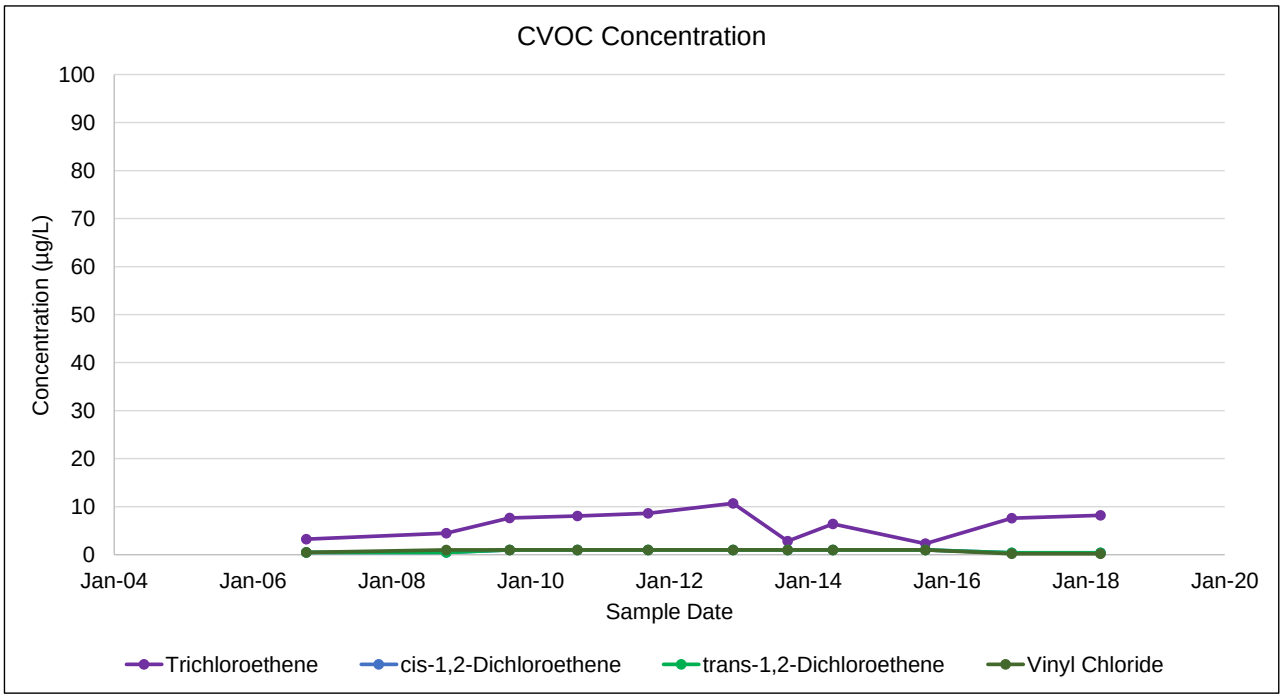


Notes:
µg/L: micrograms per liter
BTEX: benzene, toluene, ethylbenzene and total xylenes
CVOC: chlorinated volatile organic compound
Non-detect sample results are presented as half the reporting limit

Former Plattsburgh Air Force Base
Plattsburgh, New York
FT002 - Industrial Area Groundwater Operable Unit

MW-02-010

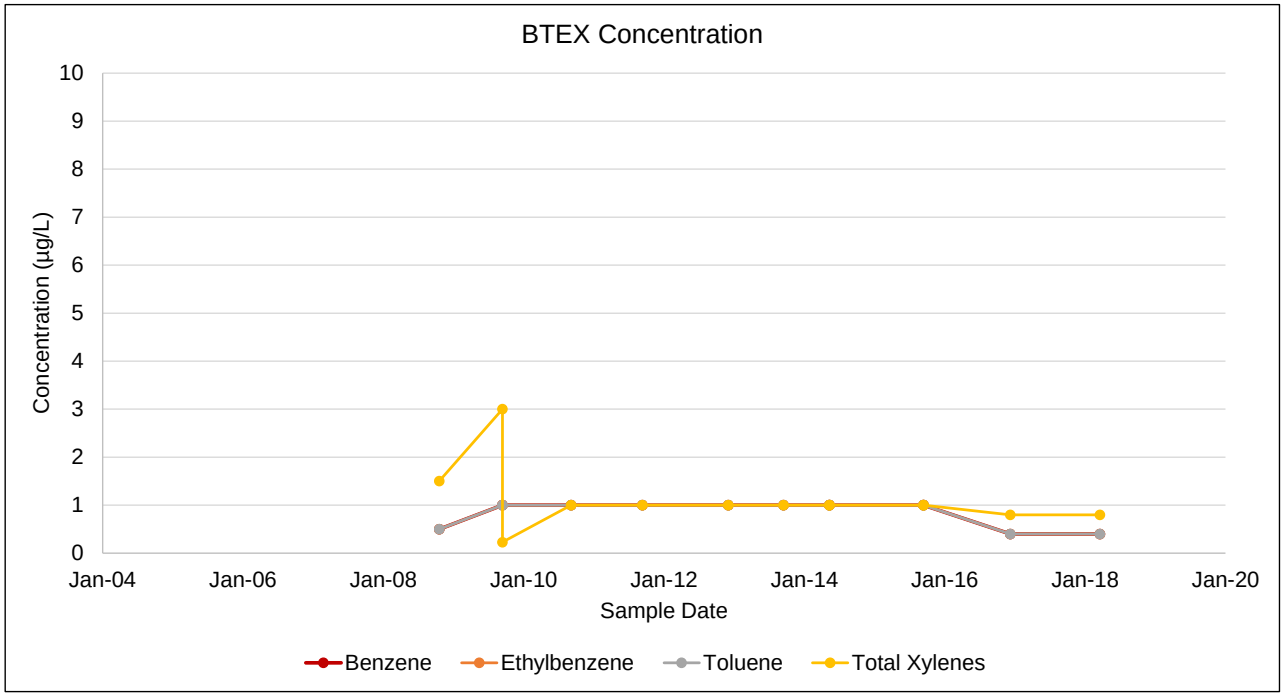


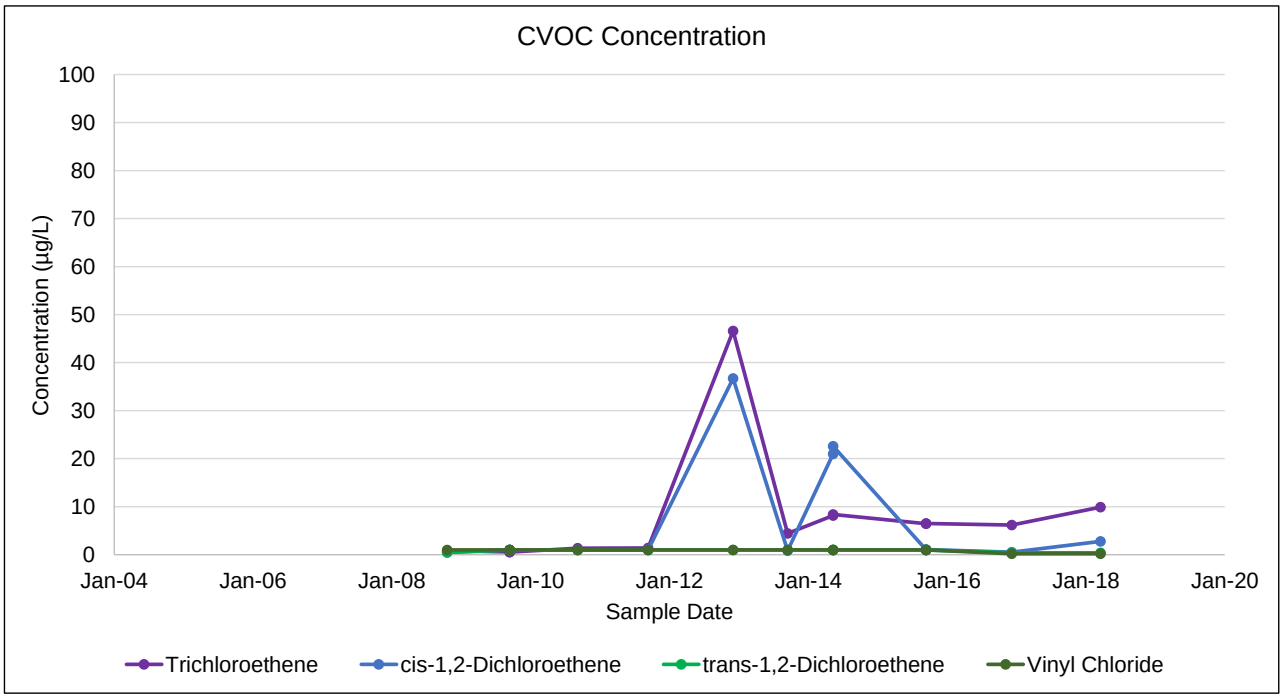


Notes:
µg/L: micrograms per liter
BTEX: benzene, toluene, ethylbenzene and total xylenes
CVOC: chlorinated volatile organic compound
Non-detect sample results are presented as half the reporting limit

Former Plattsburgh Air Force Base
Plattsburgh, New York
FT002 - Industrial Area Groundwater Operable Unit

MW-02-017





Notes:
µg/L: micrograms per liter
BTEX: benzene, toluene, ethylbenzene and total xylenes
CVOC: chlorinated volatile organic compound
Non-detect sample results are presented as half the reporting limit

Former Plattsburgh Air Force Base
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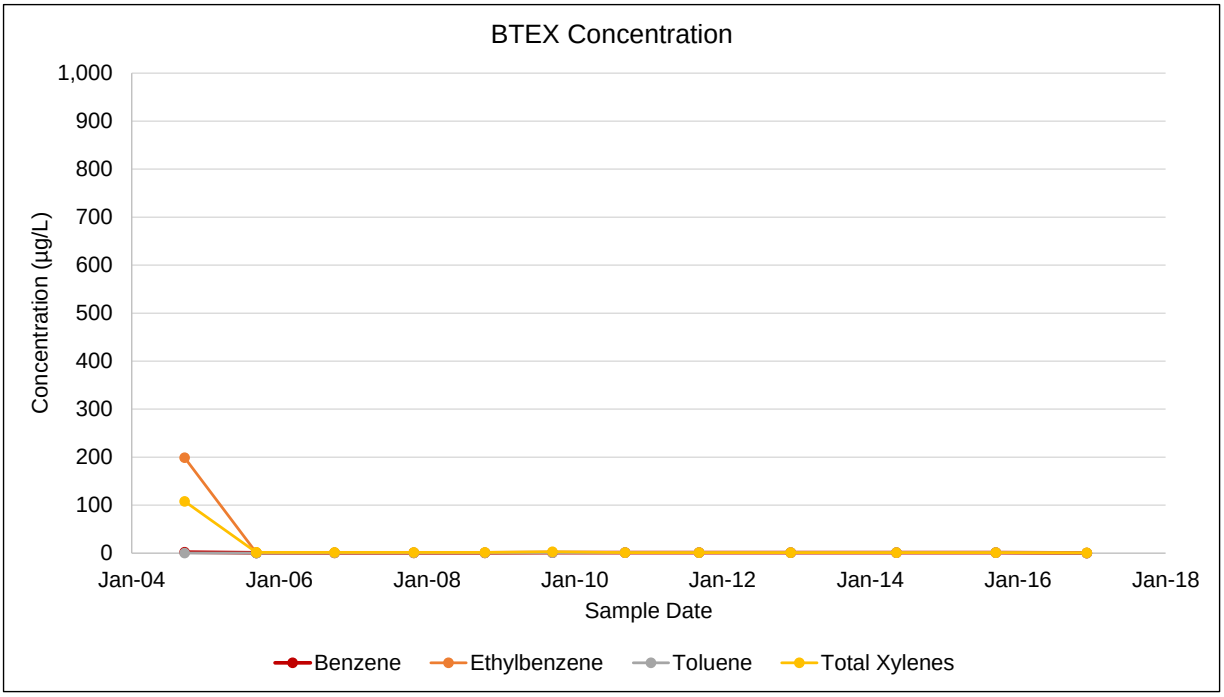
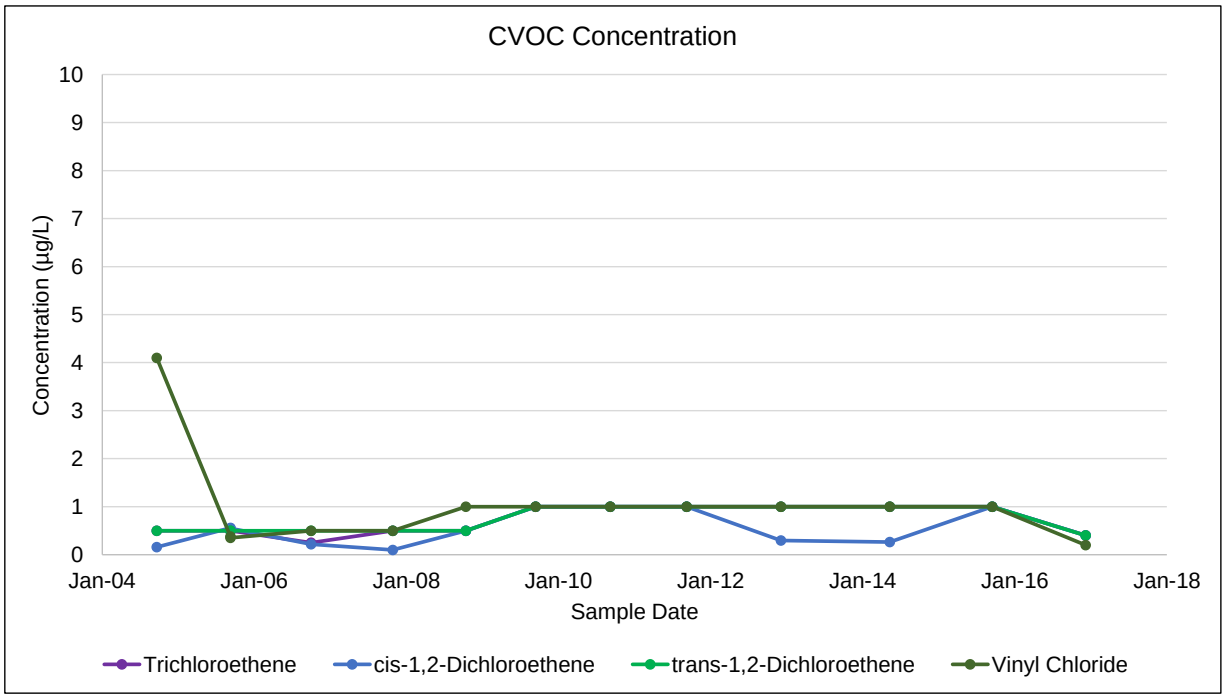
MW-02-019





Notes:
µg/L: micrograms per liter
BTEX: benzene, toluene, ethylbenzene and total xylenes
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Non-detect sample results are presented as half the reporting limit

Former Plattsburgh Air Force Base
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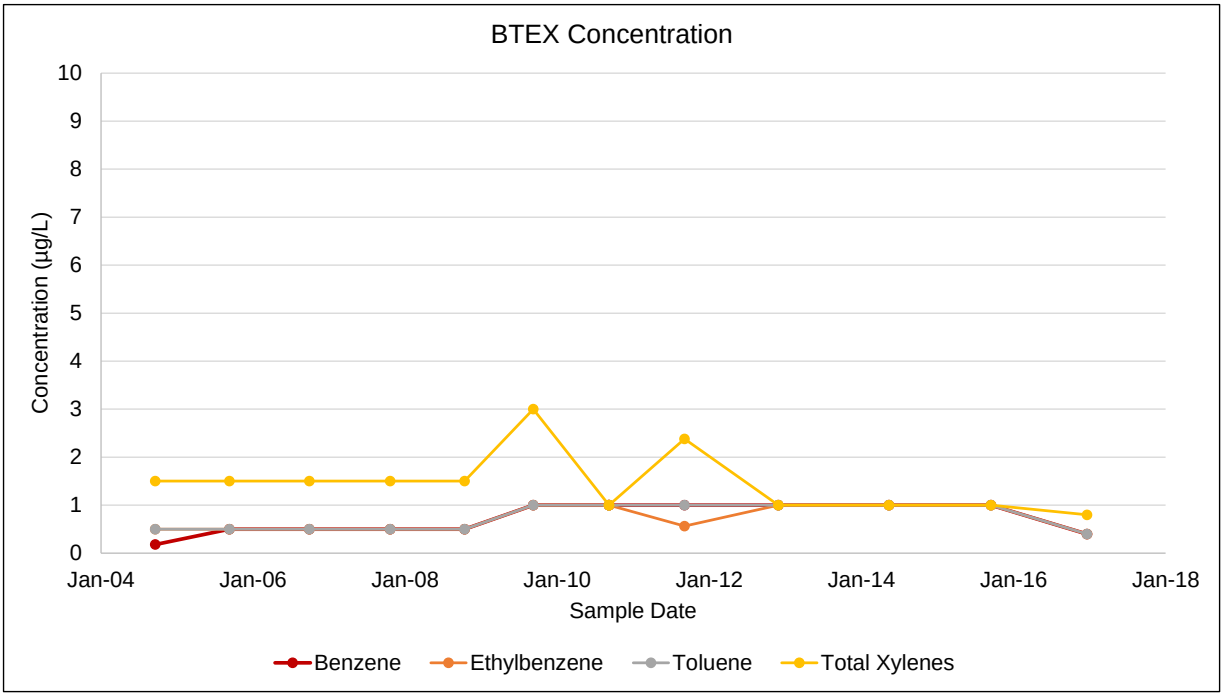
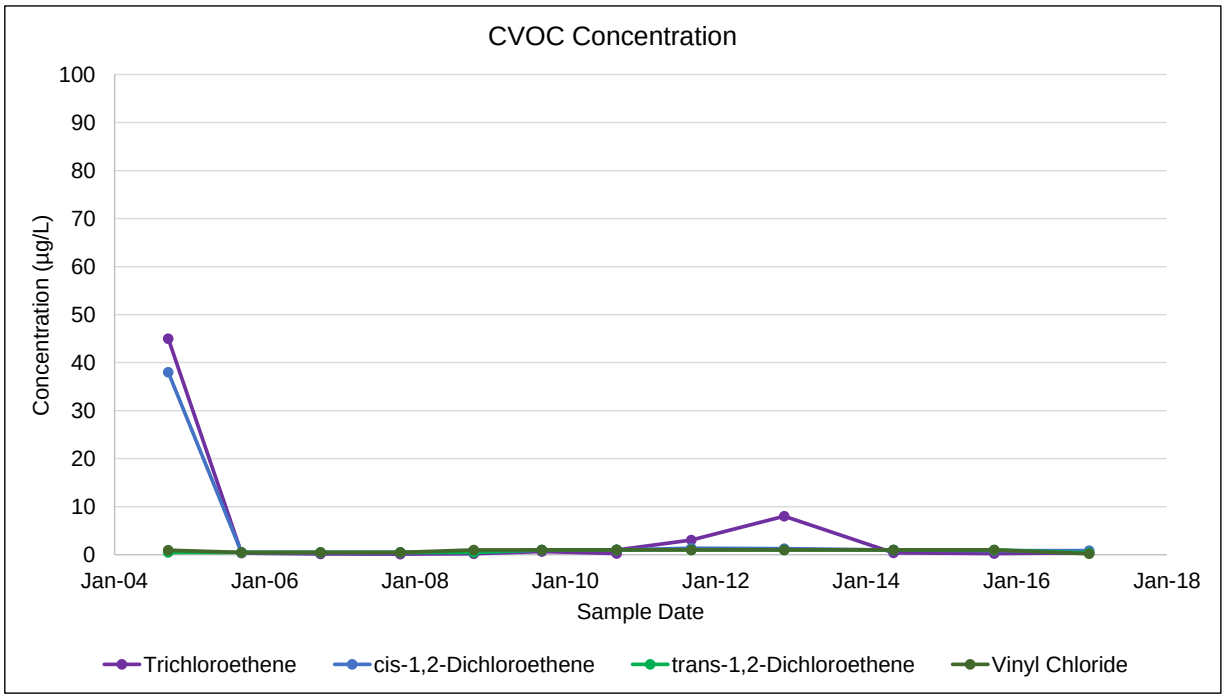
MW-02-037





Notes:
µg/L: micrograms per liter
BTEX: benzene, toluene, ethylbenzene and total xylenes
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Former Plattsburgh Air Force Base
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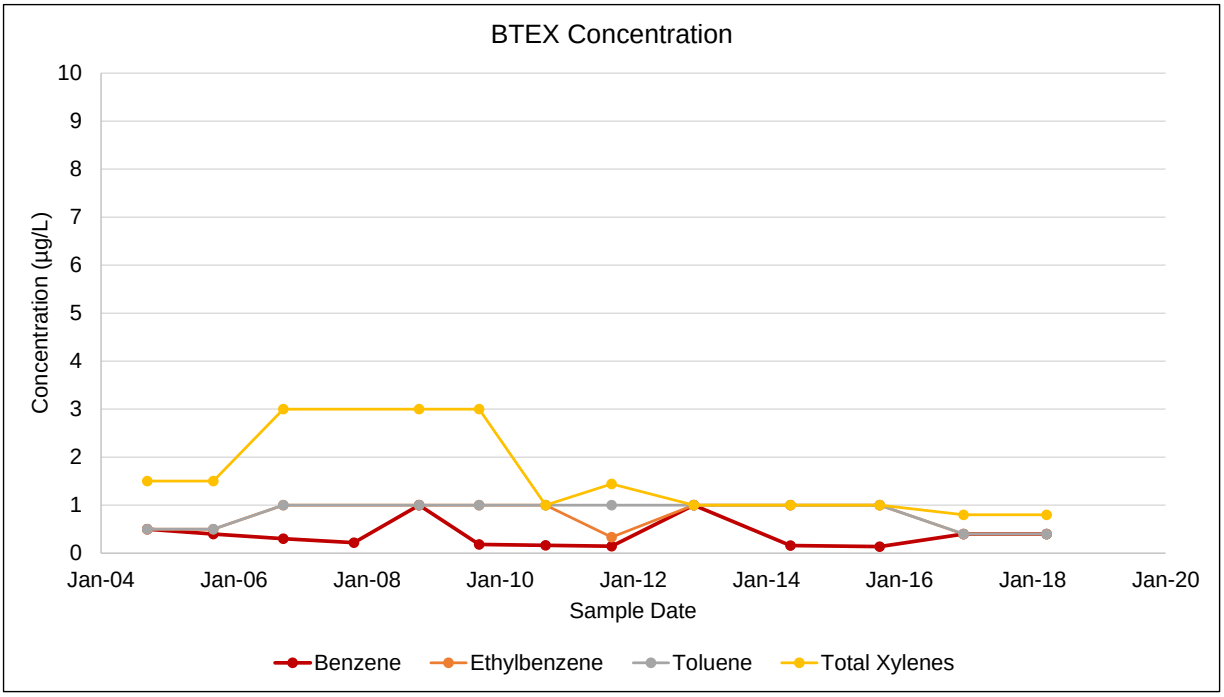
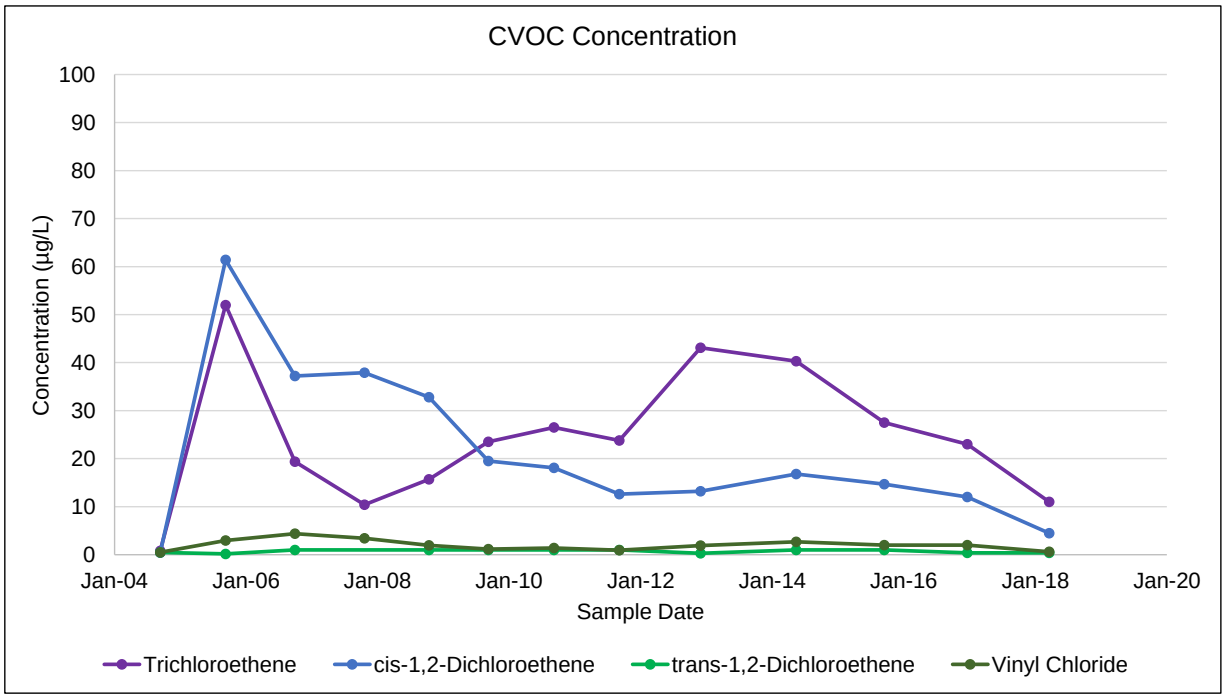
MW-02-038





Notes:
µg/L: micrograms per liter
BTEX: benzene, toluene, ethylbenzene and total xylenes
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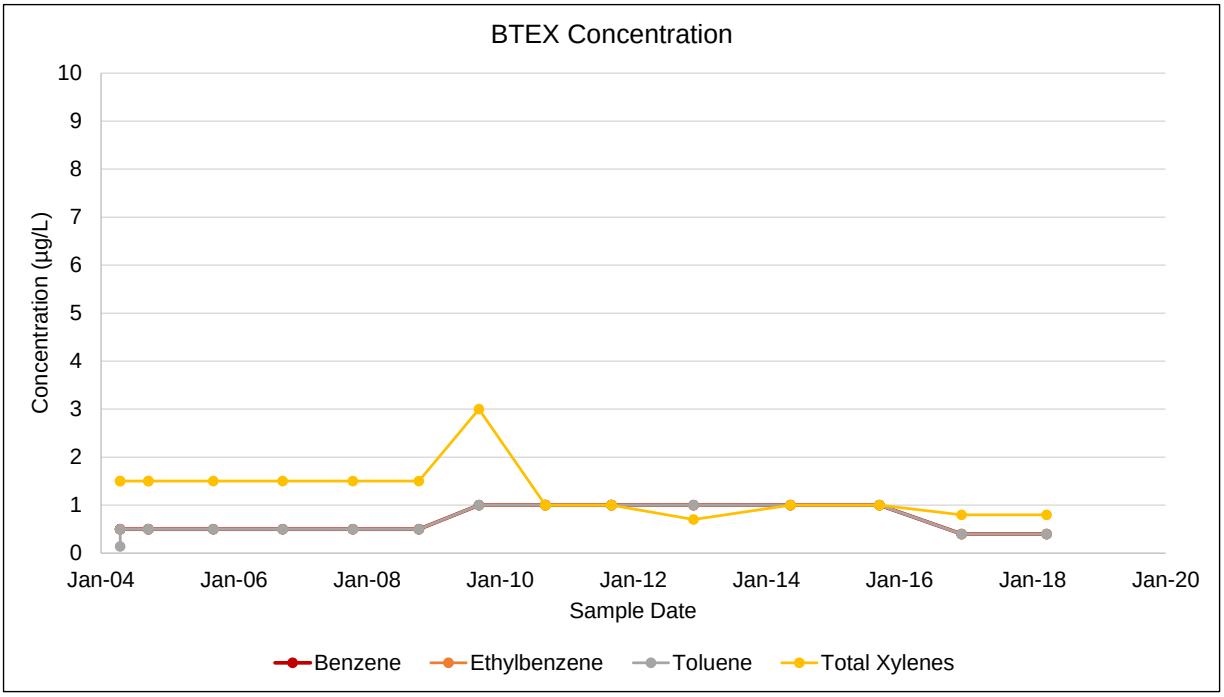
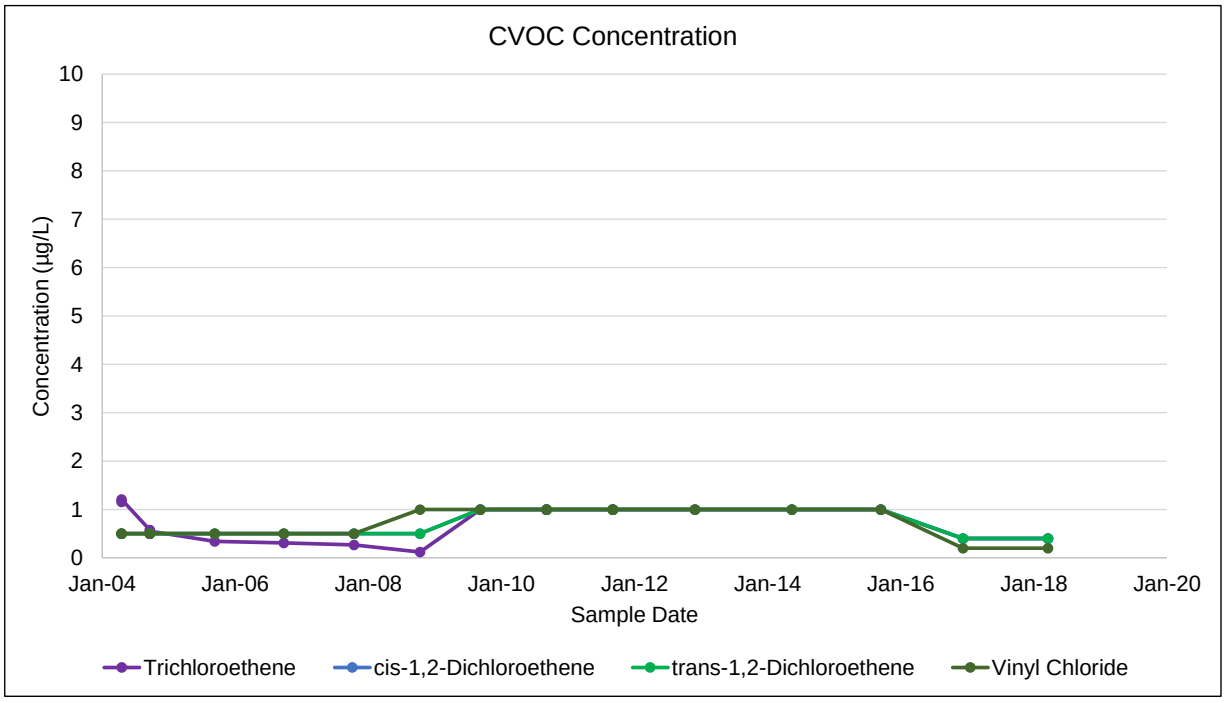
Former Plattsburgh Air Force Base
Plattsburgh, New York
FT002 - Industrial Area Groundwater Operable Unit

MW-02-044





Notes:
µg/L: micrograms per liter
BTEX: benzene, toluene, ethylbenzene and total xylenes
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Former Plattsburgh Air Force Base
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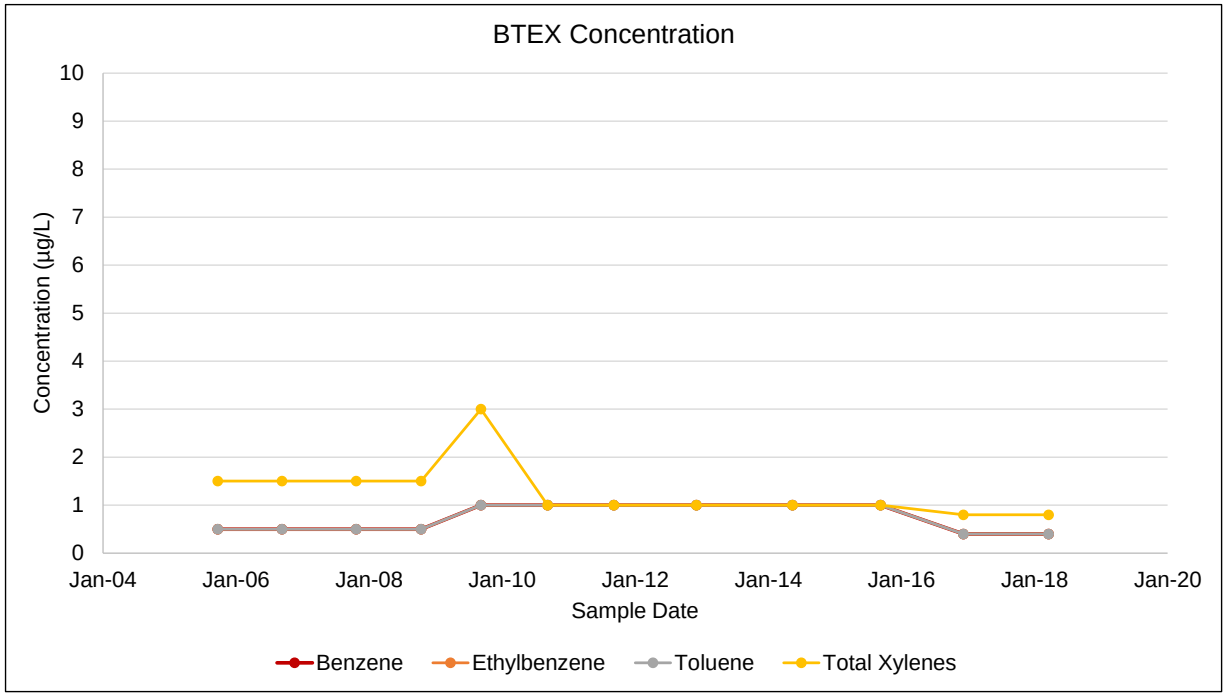
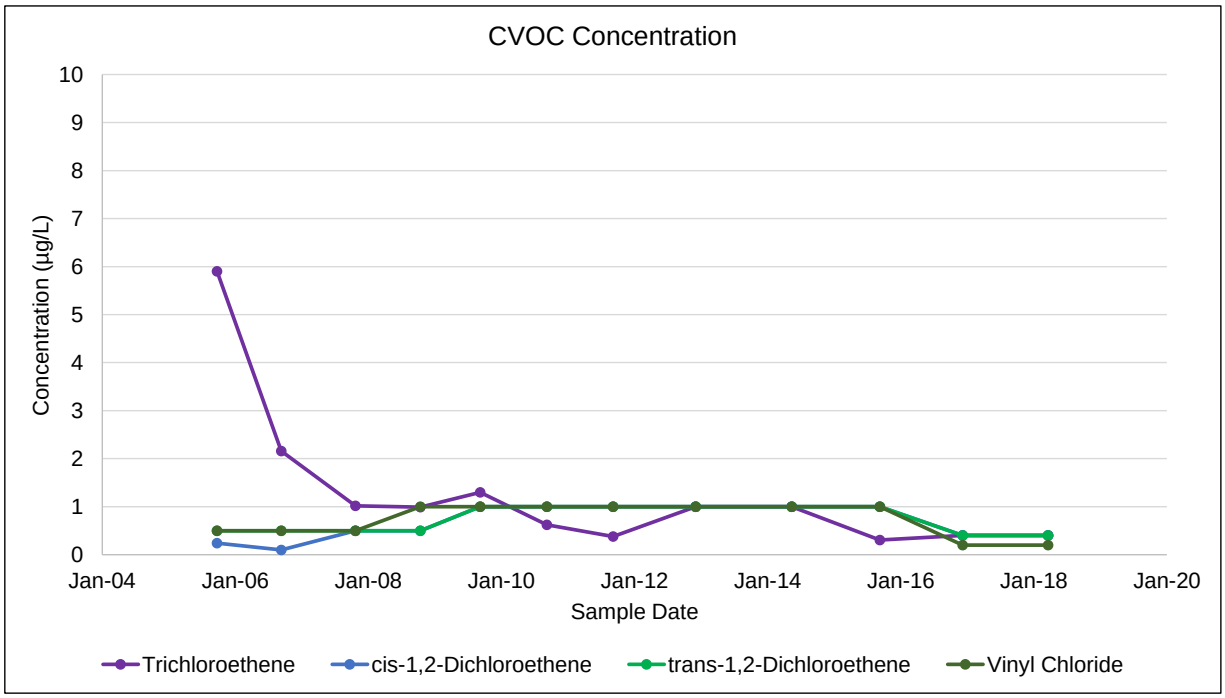
FT002 - Industrial Area Groundwater Operable Unit

MW-02-073





Notes:
µg/L: micrograms per liter
BTEX: benzene, toluene, ethylbenzene and total xylenes
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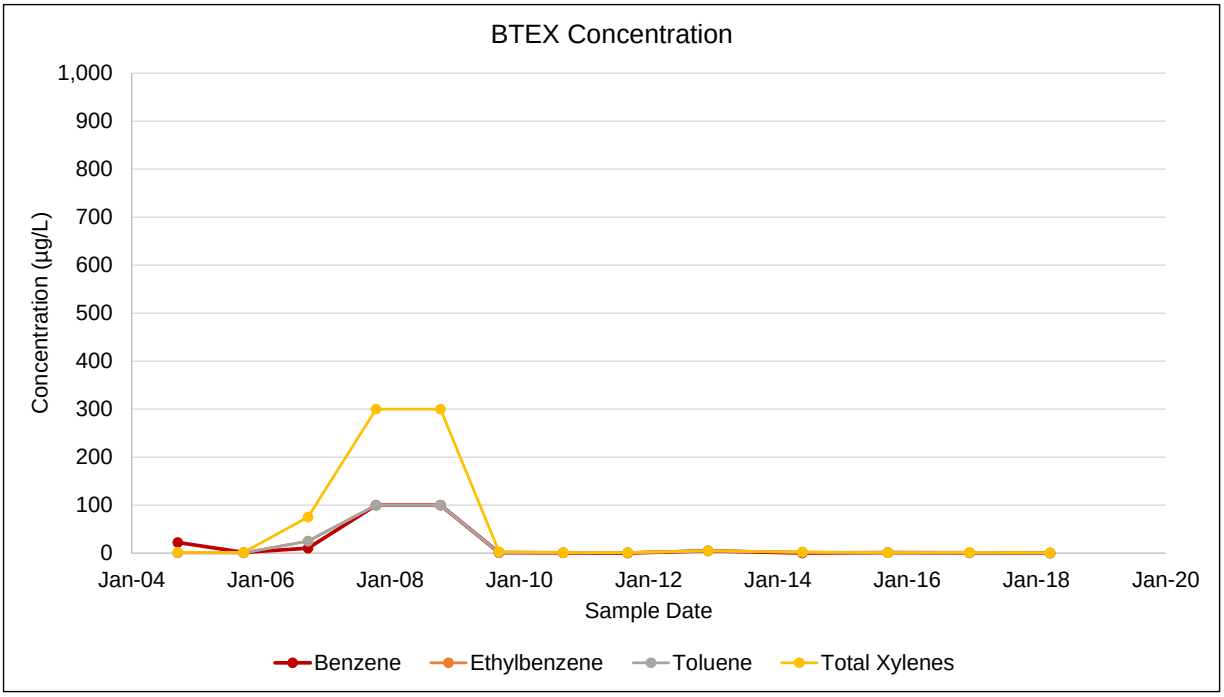
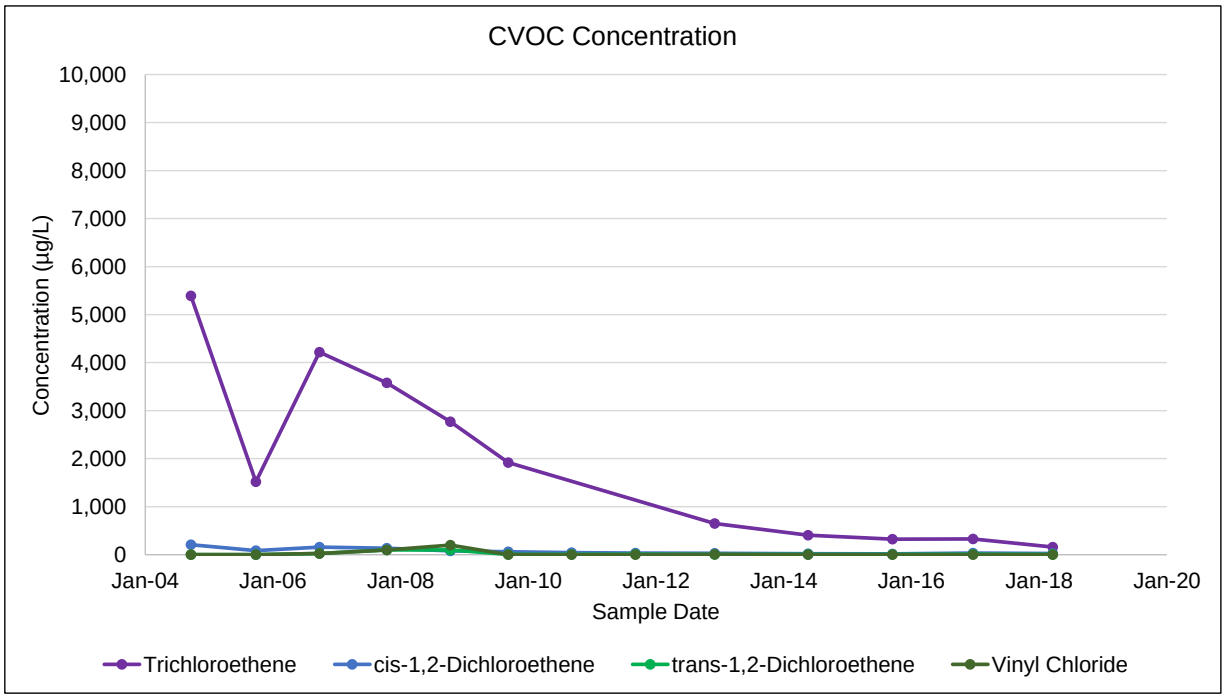
Former Plattsburgh Air Force Base
Plattsburgh, New York
FT002 - Industrial Area Groundwater Operable Unit

MW-02-083





Notes:
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BTEX: benzene, toluene, ethylbenzene and total xylenes
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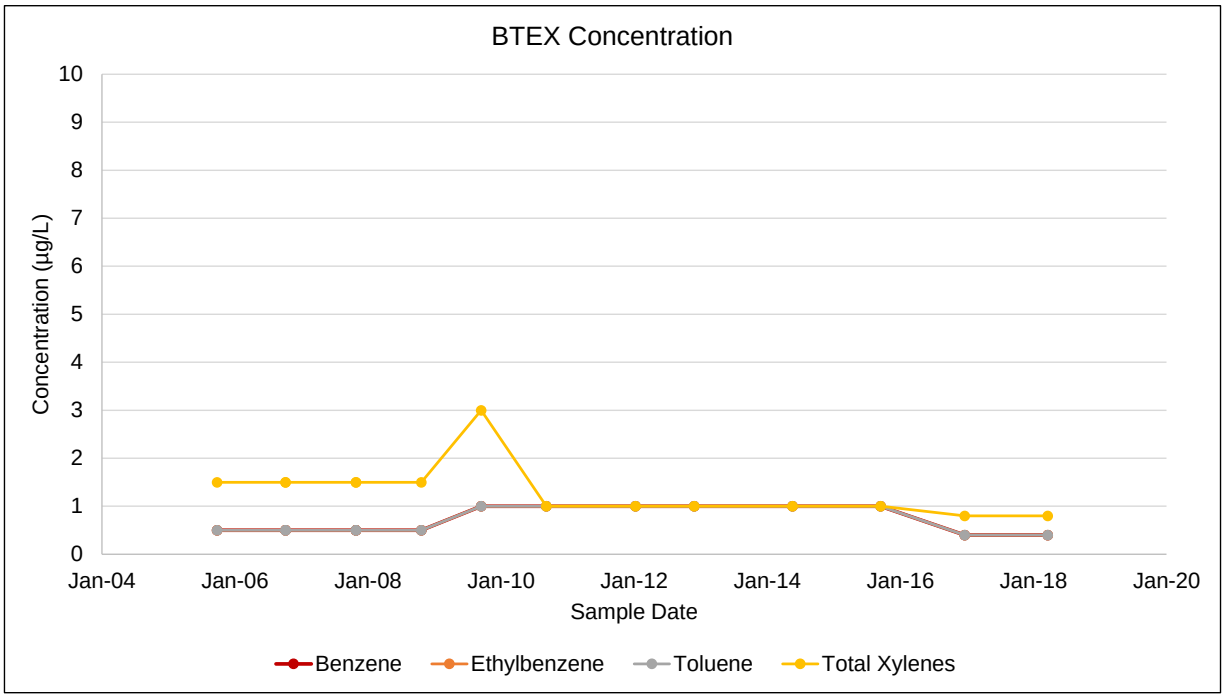
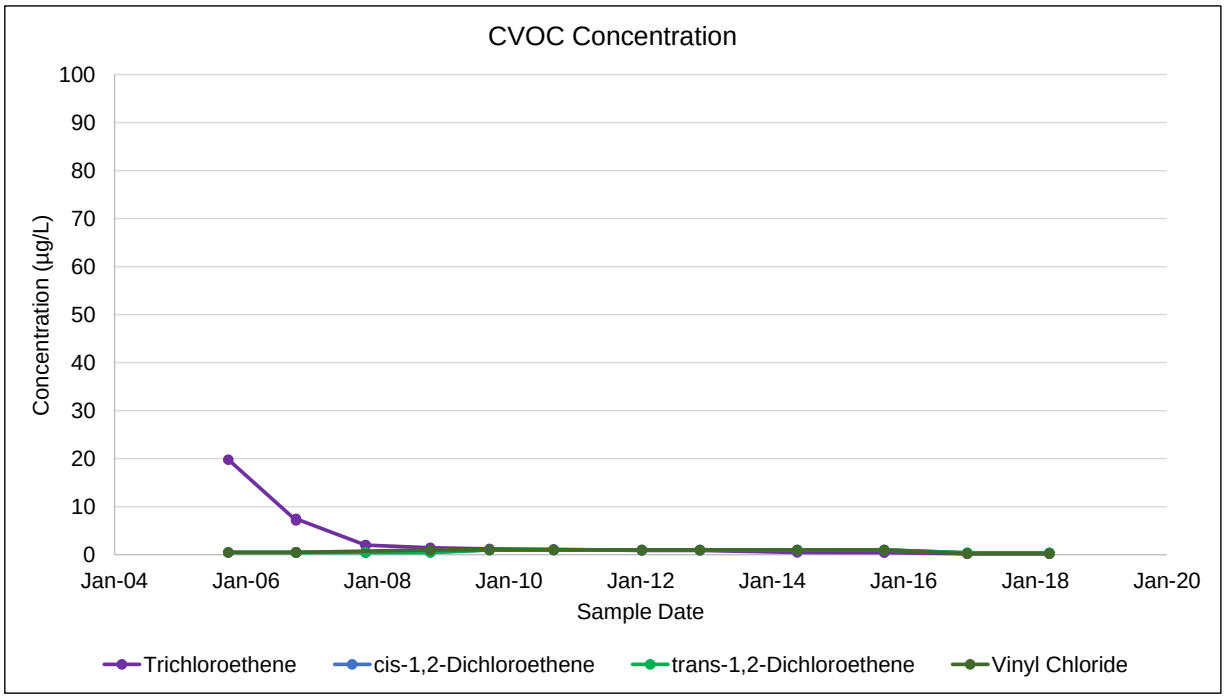
Former Plattsburgh Air Force Base
Plattsburgh, New York
FT002 - Industrial Area Groundwater Operable Unit

MW-02-086





Notes:
µg/L: micrograms per liter
BTEX: benzene, toluene, ethylbenzene and total xylenes
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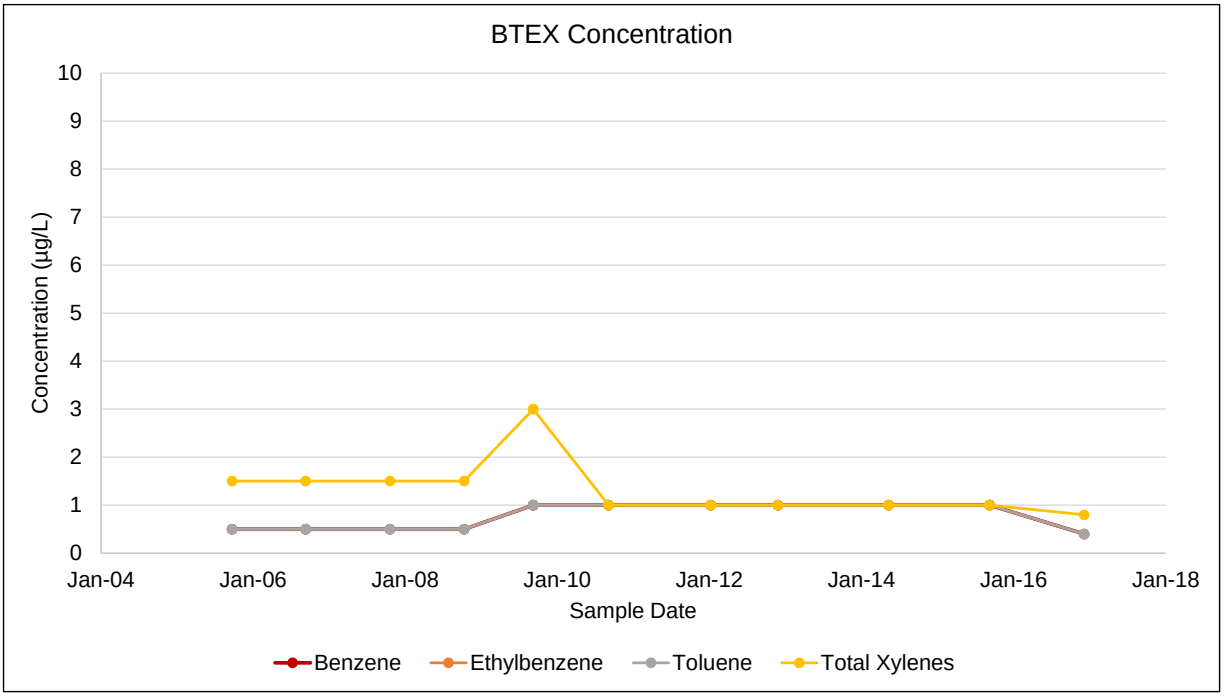
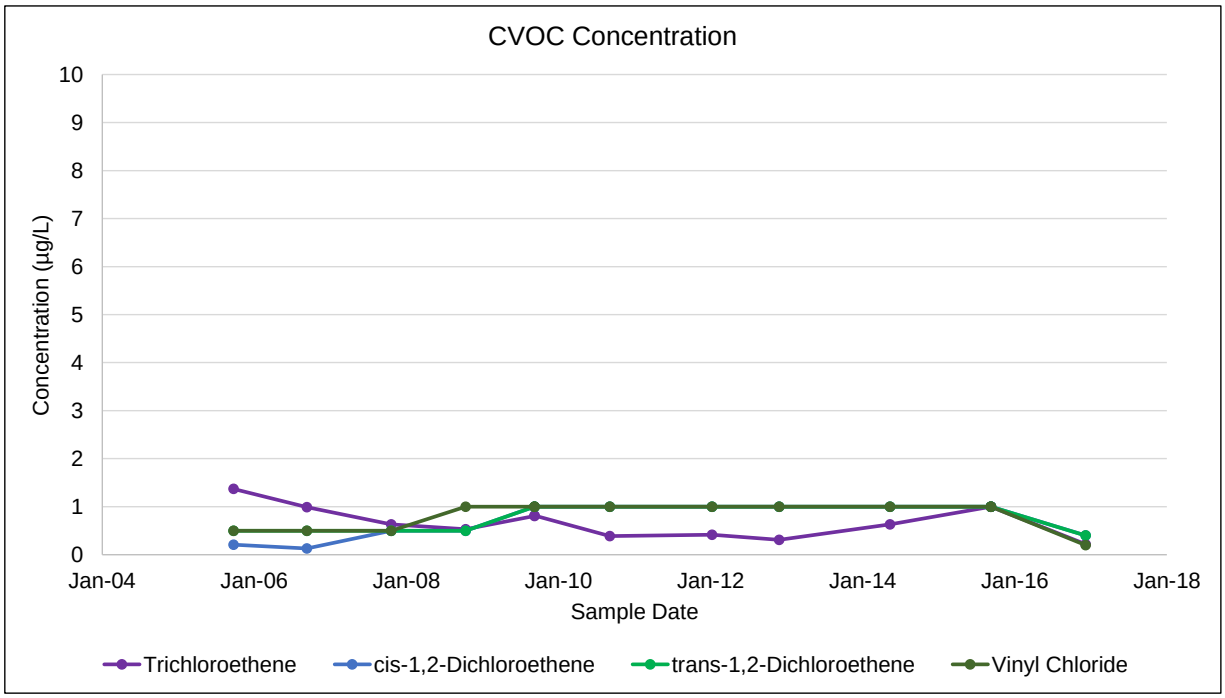
Former Plattsburgh Air Force Base
Plattsburgh, New York
FT002 - Industrial Area Groundwater Operable Unit

MW-02-088





Notes:
µg/L: micrograms per liter
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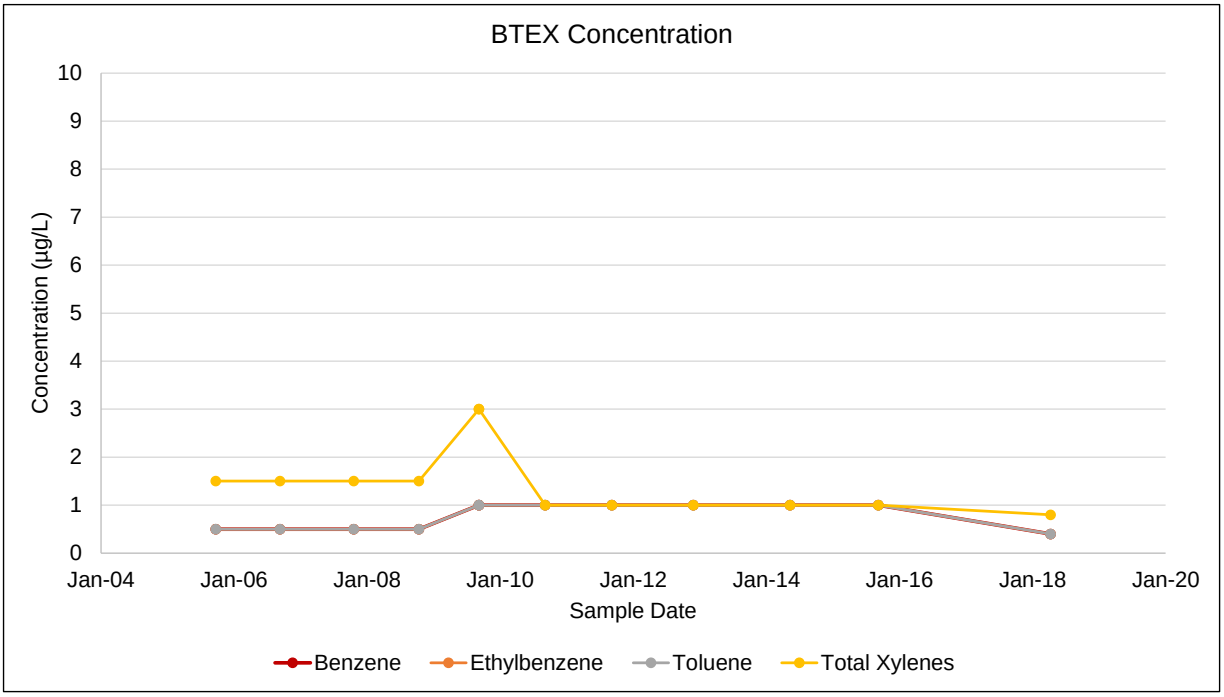
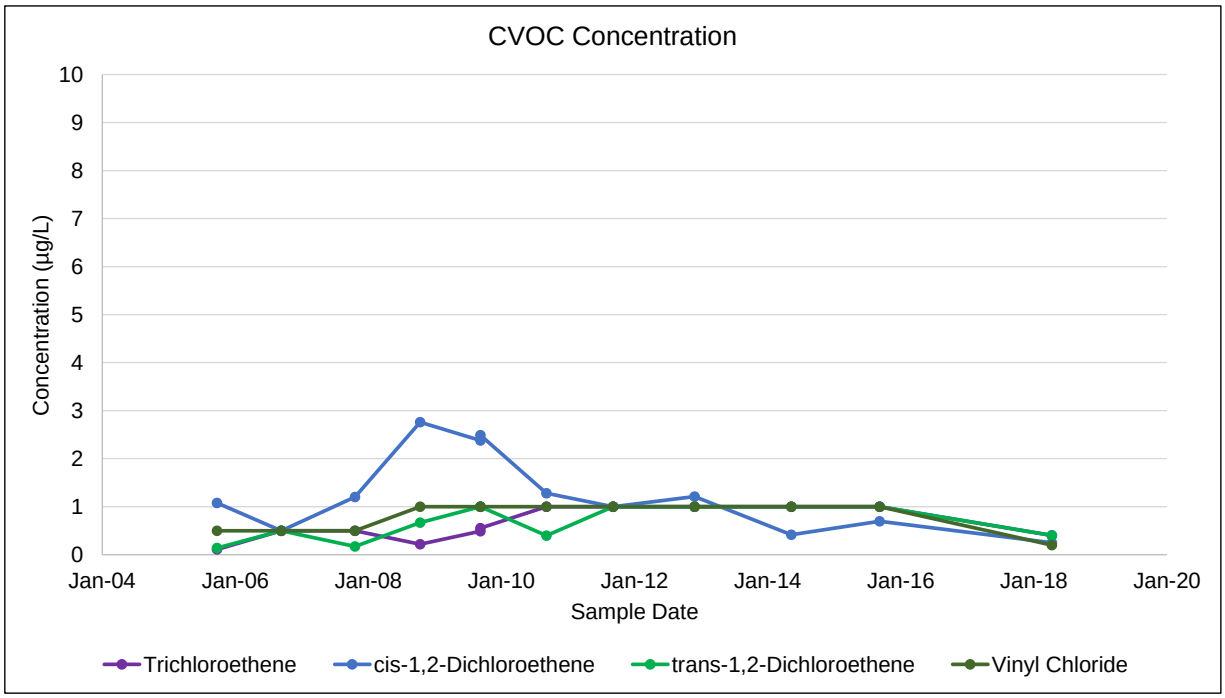
Former Plattsburgh Air Force Base
Plattsburgh, New York
FT002 - Industrial Area Groundwater Operable Unit

MW-02-089





Notes:
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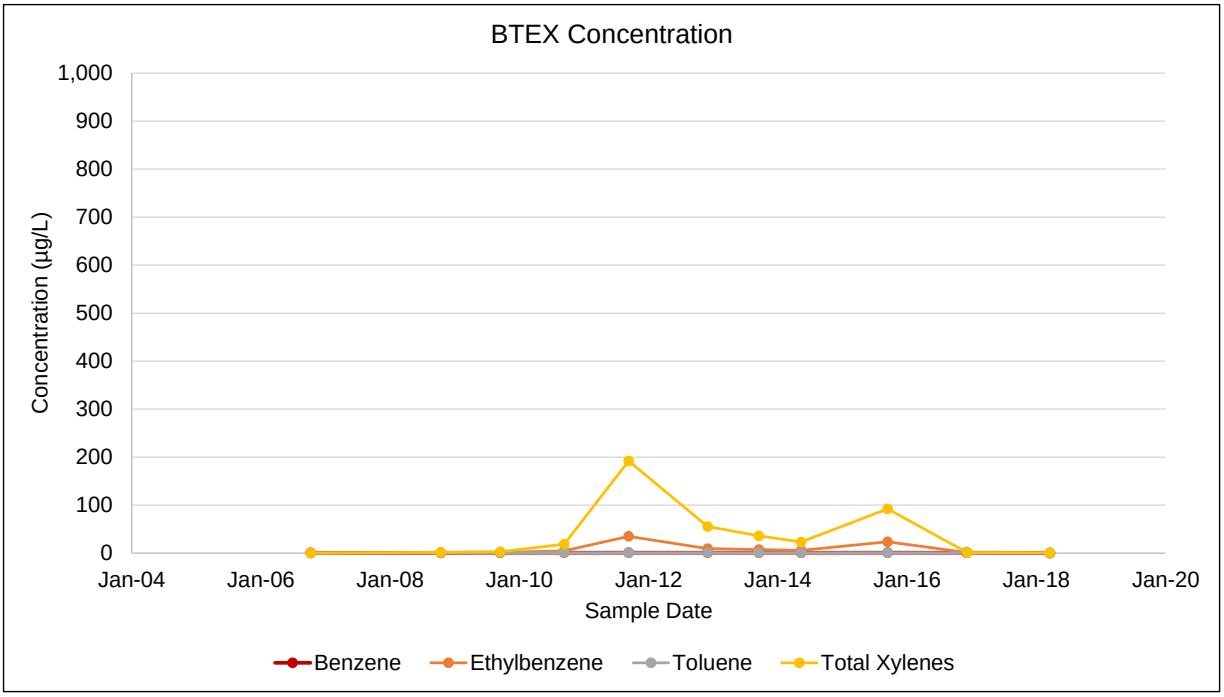
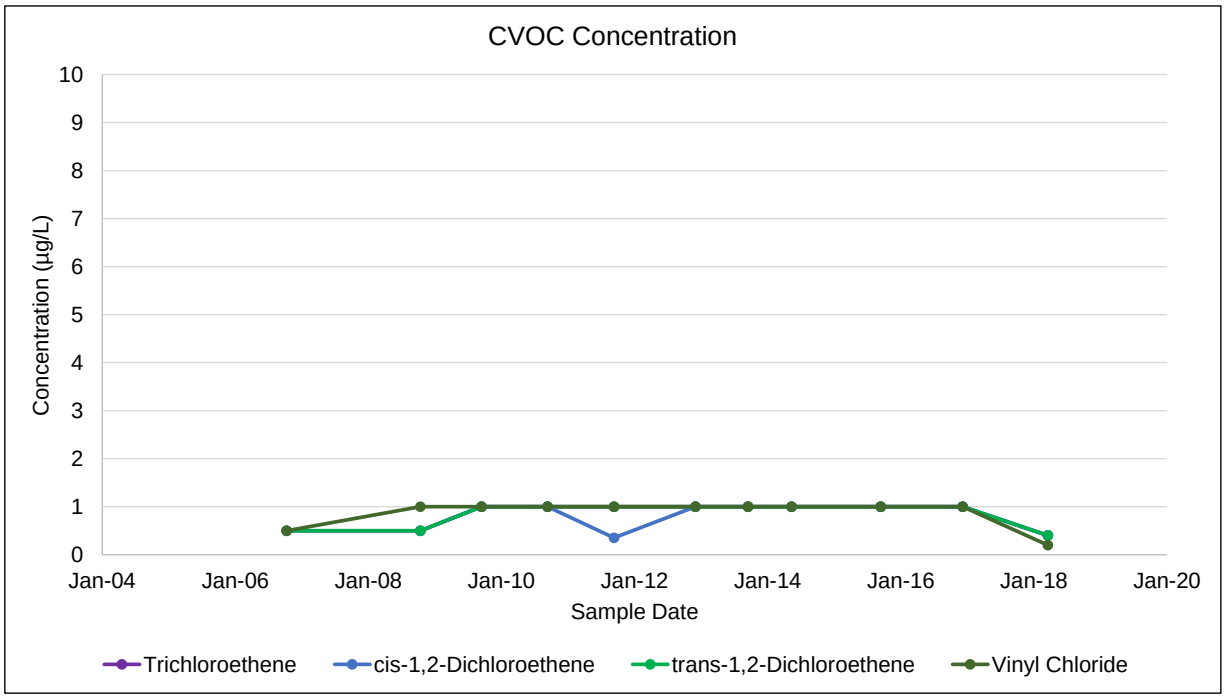
Former Plattsburgh Air Force Base
Plattsburgh, New York
FT002 - Industrial Area Groundwater Operable Unit

MW-02-094





Notes:
µg/L: micrograms per liter
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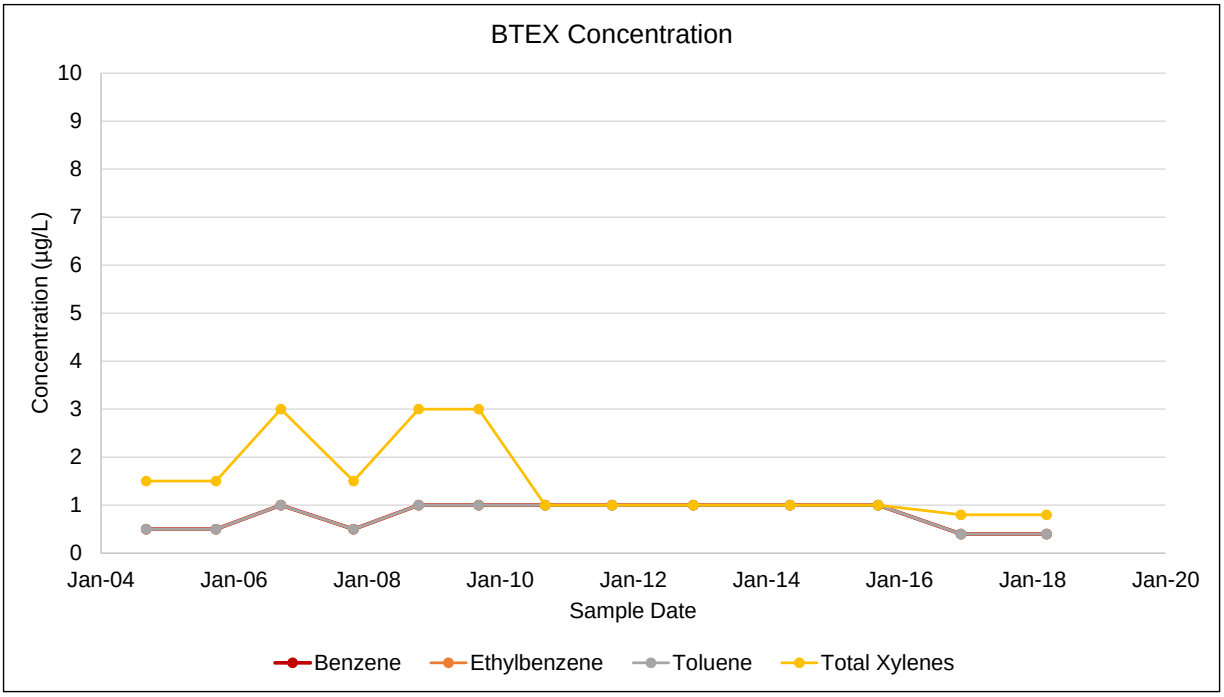
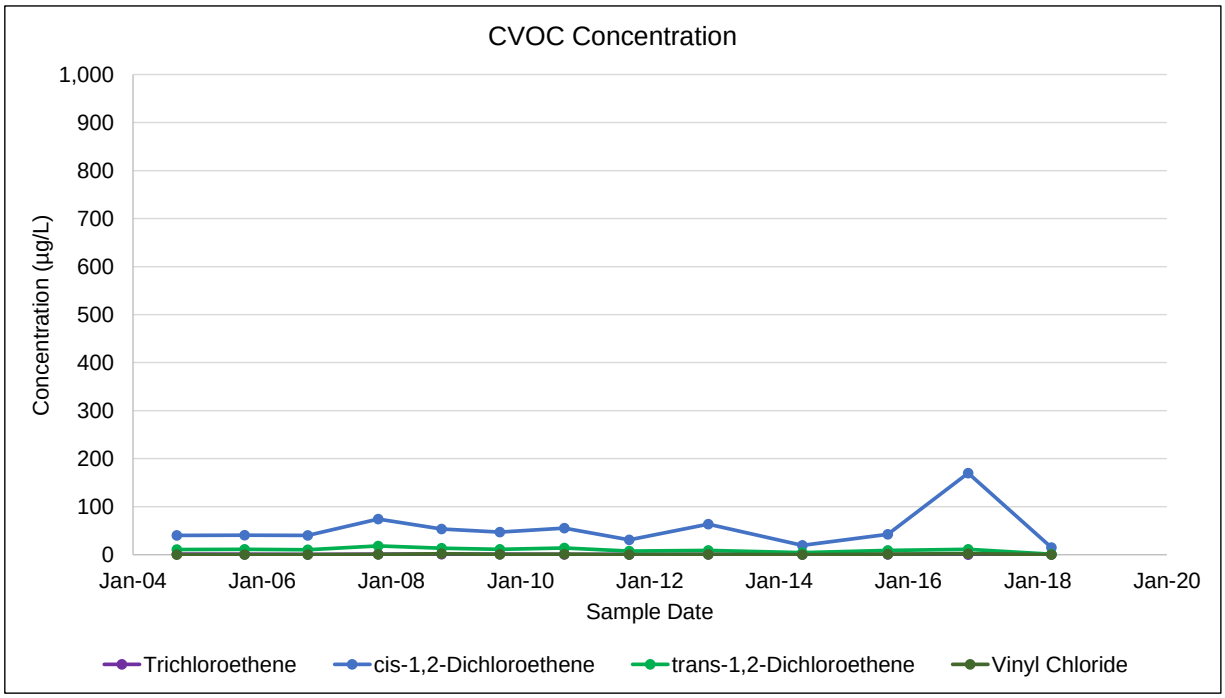
Former Plattsburgh Air Force Base
Plattsburgh, New York
FT002 - Industrial Area Groundwater Operable Unit

MW-11-001





Notes:
µg/L: micrograms per liter
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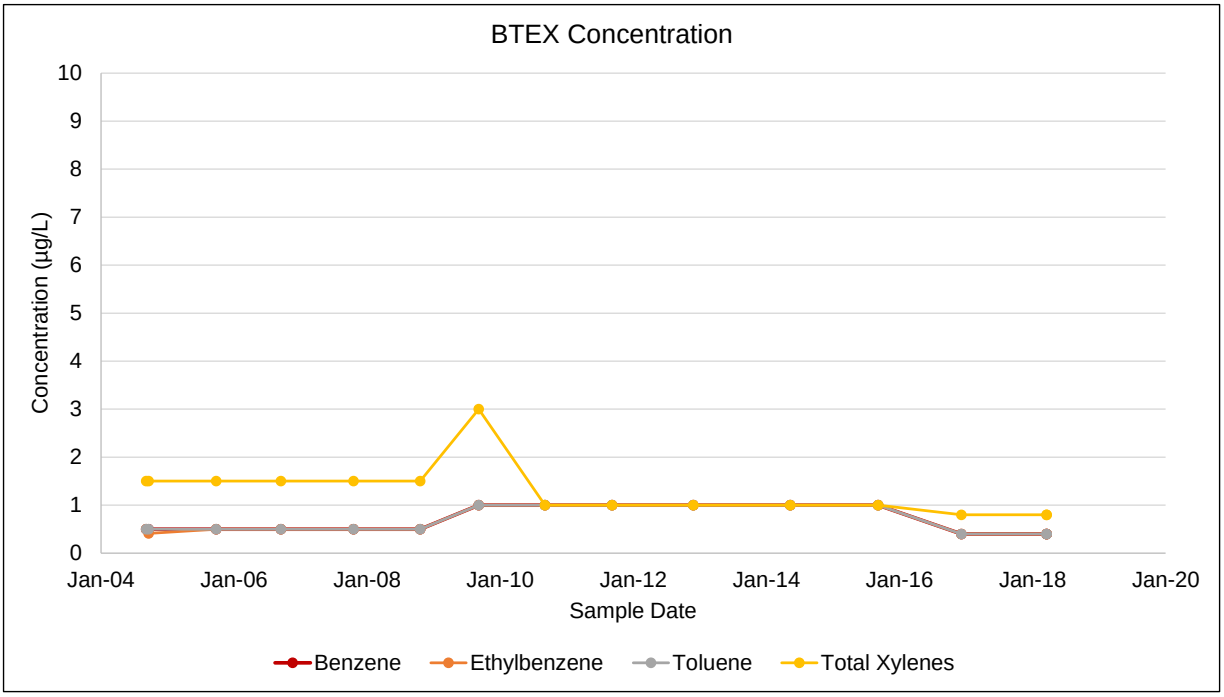
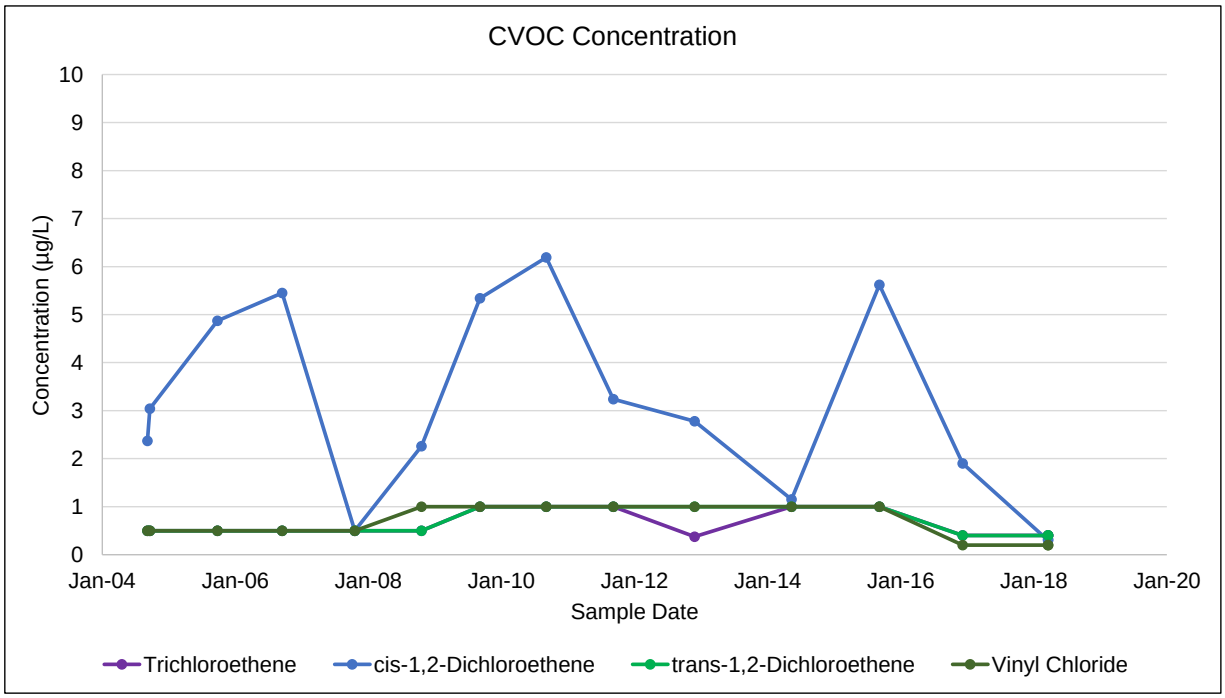
Former Plattsburgh Air Force Base
Plattsburgh, New York
FT002 - Industrial Area Groundwater Operable Unit

MW-11-002R





Notes:
µg/L: micrograms per liter
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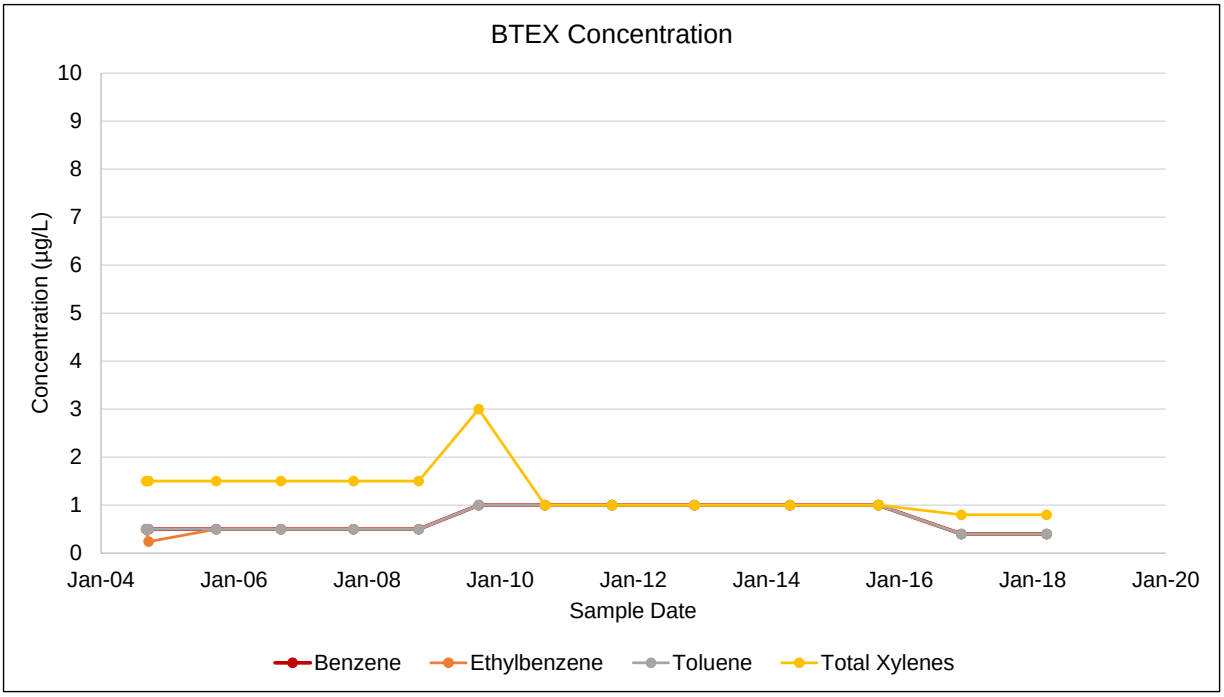
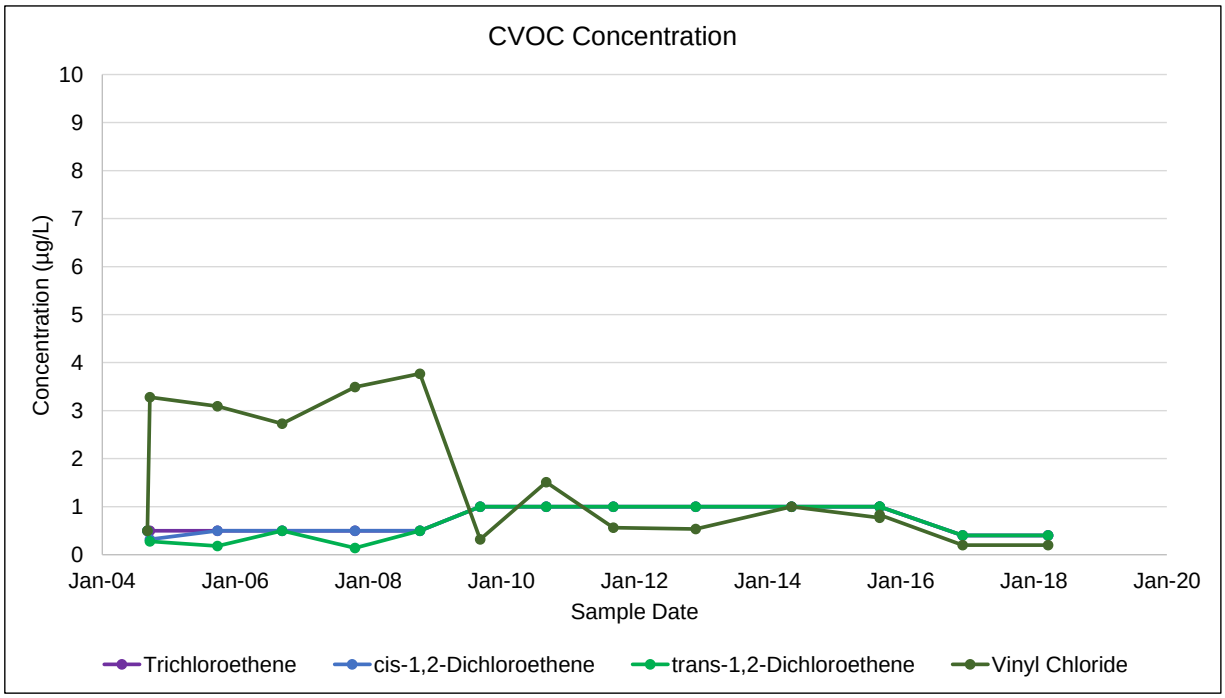
Former Plattsburgh Air Force Base
Plattsburgh, New York
FT002 - Industrial Area Groundwater Operable Unit

MW-11-003R





Notes:
µg/L: micrograms per liter
BTEX: benzene, toluene, ethylbenzene and total xylenes
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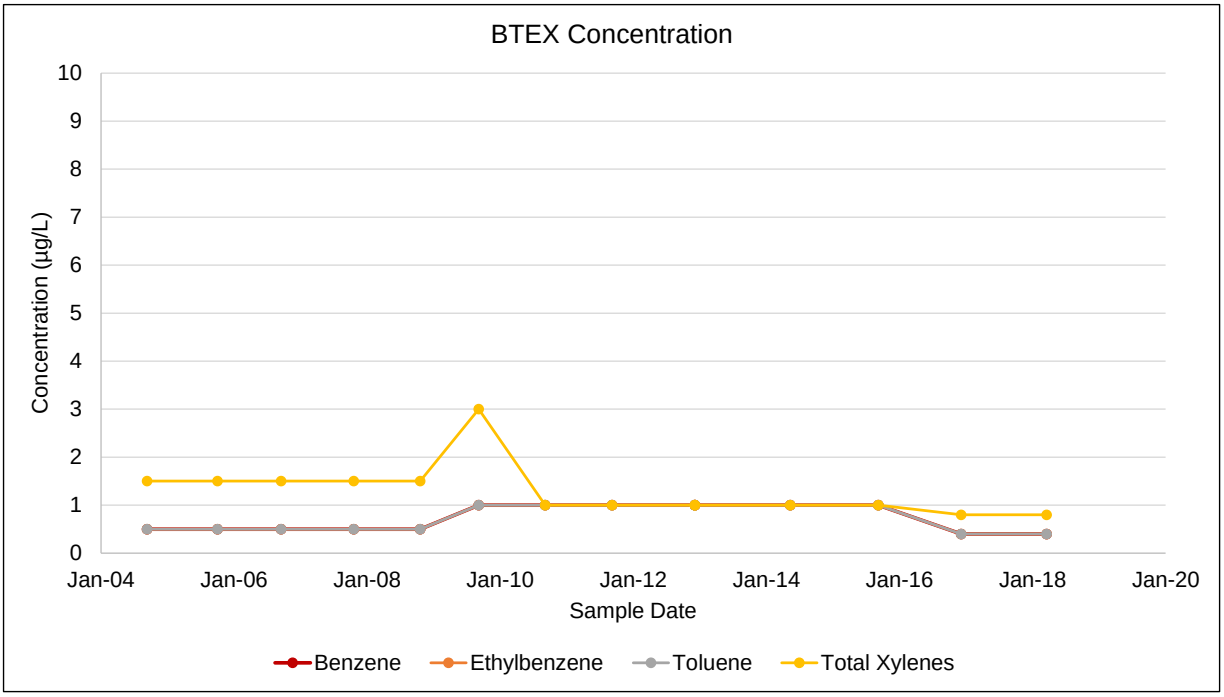
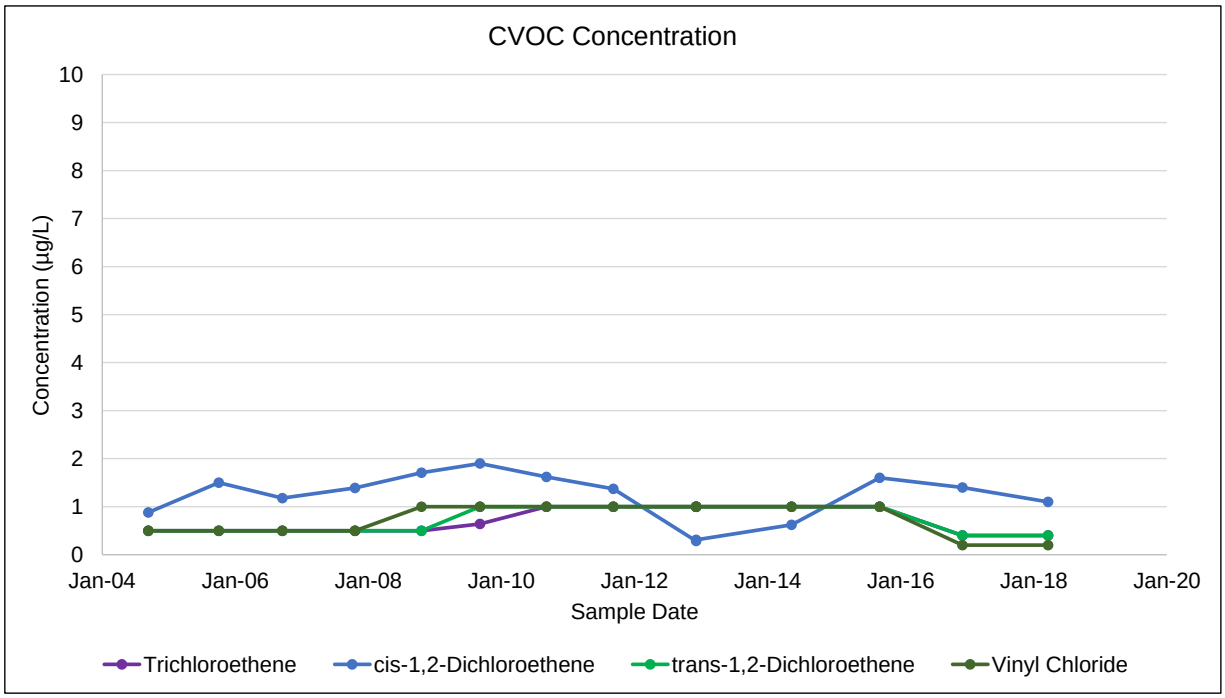
Former Plattsburgh Air Force Base
Plattsburgh, New York
FT002 - Industrial Area Groundwater Operable Unit

MW-11-004





Notes:
µg/L: micrograms per liter
BTEX: benzene, toluene, ethylbenzene and total xylenes
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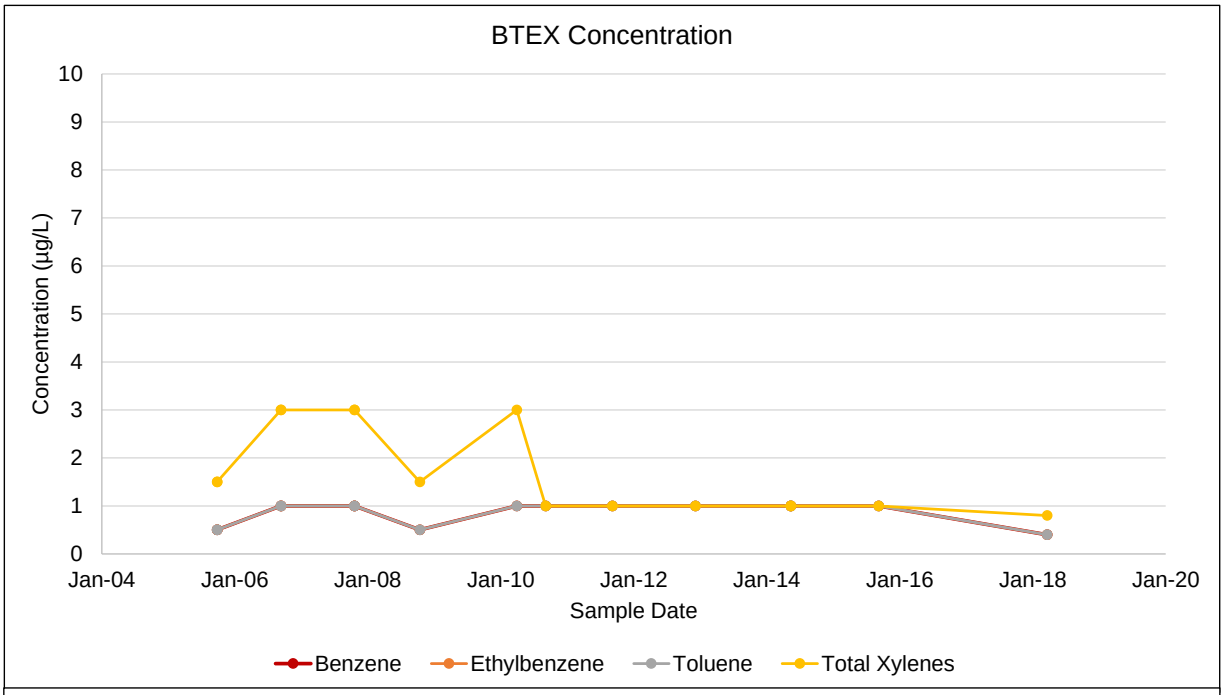
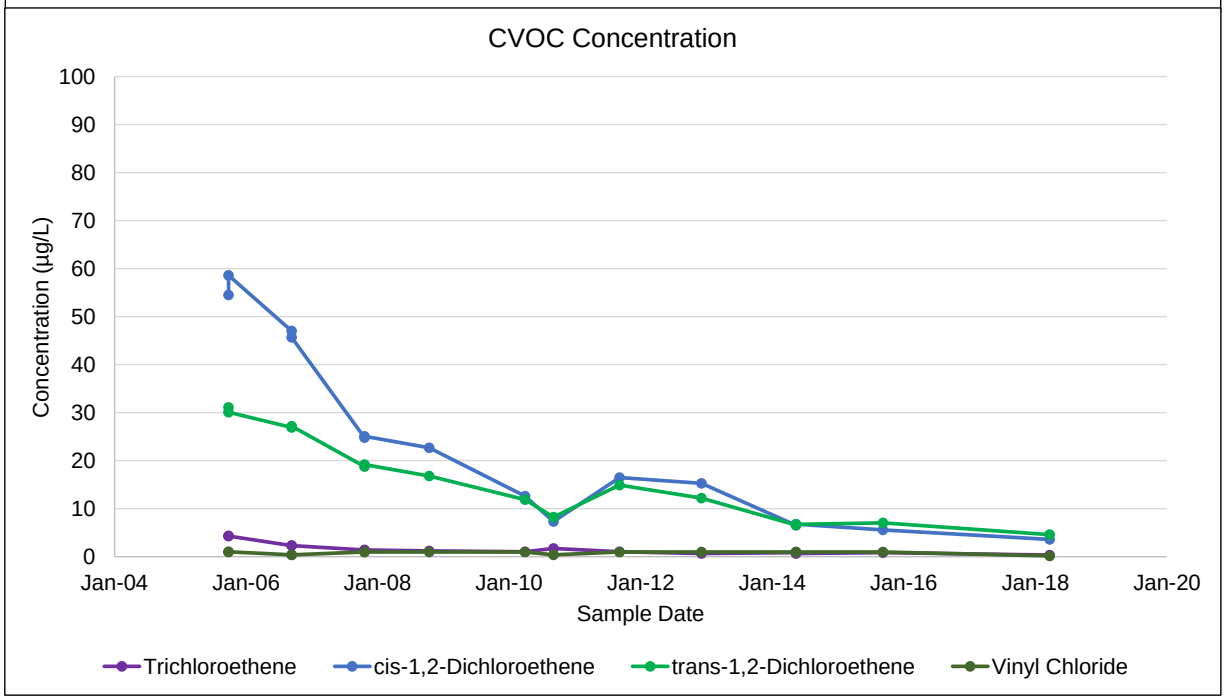
Former Plattsburgh Air Force Base
Plattsburgh, New York
FT002 - Industrial Area Groundwater Operable Unit

MW-11-008





Notes:
µg/L: micrograms per liter
BTEX: benzene, toluene, ethylbenzene and total xylenes
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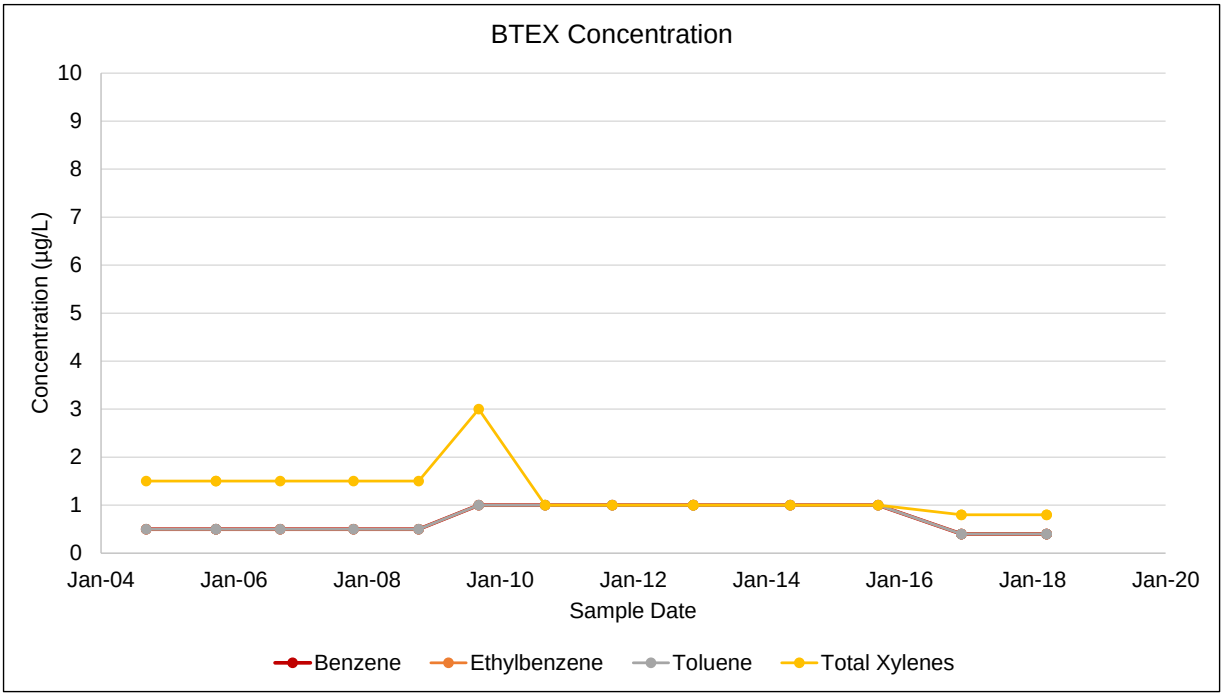
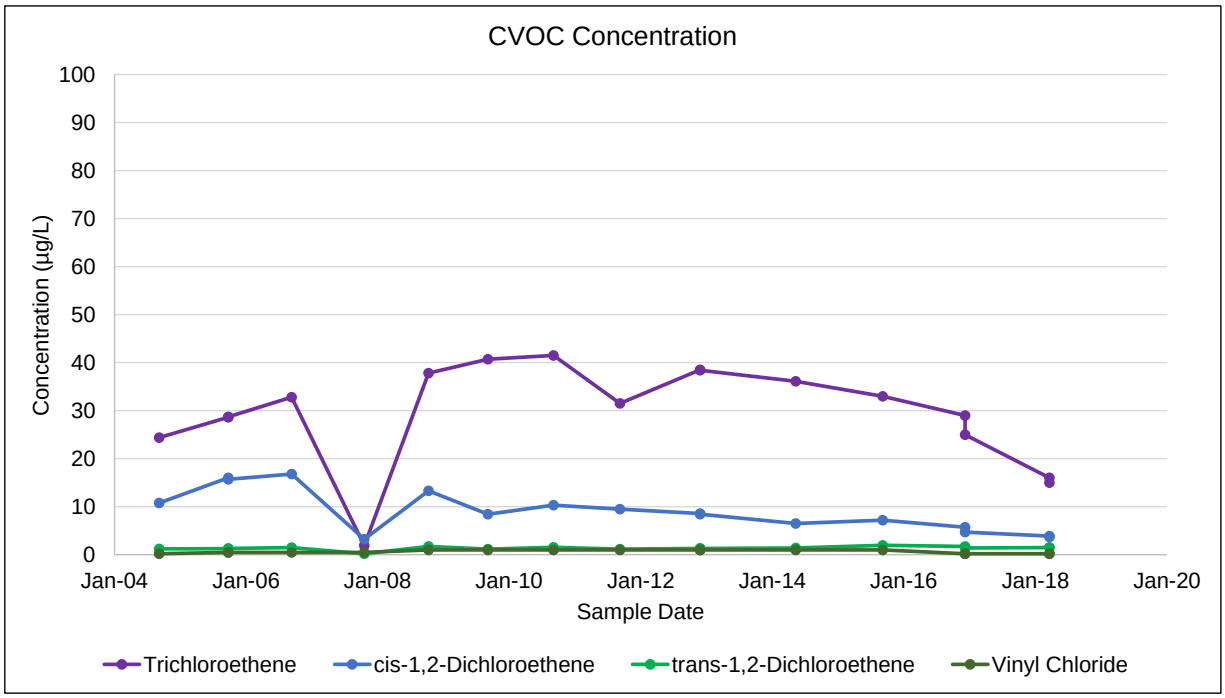
Former Plattsburgh Air Force Base
Plattsburgh, New York
FT002 - Industrial Area Groundwater Operable Unit

MW-11-010





Notes:
µg/L: micrograms per liter
BTEX: benzene, toluene, ethylbenzene and total xylenes
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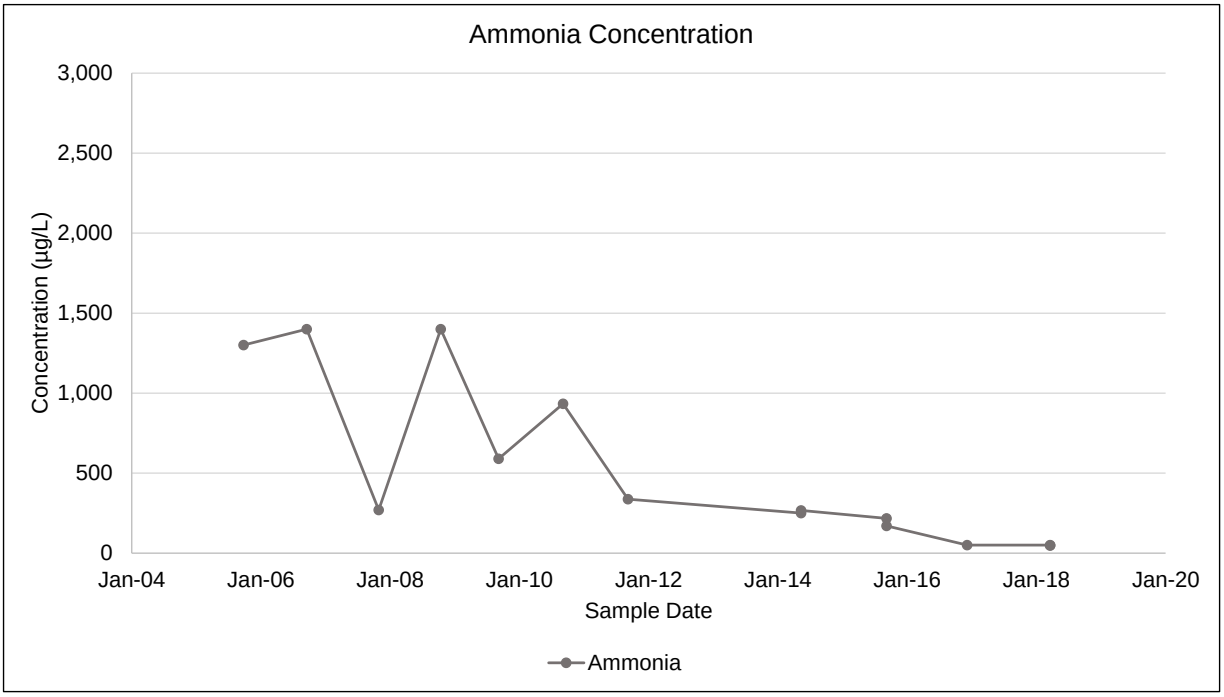
Non-detect sample results are presented as half the reporting limit

Former Plattsburgh Air Force Base
Plattsburgh, New York
FT002 - Industrial Area Groundwater Operable Unit

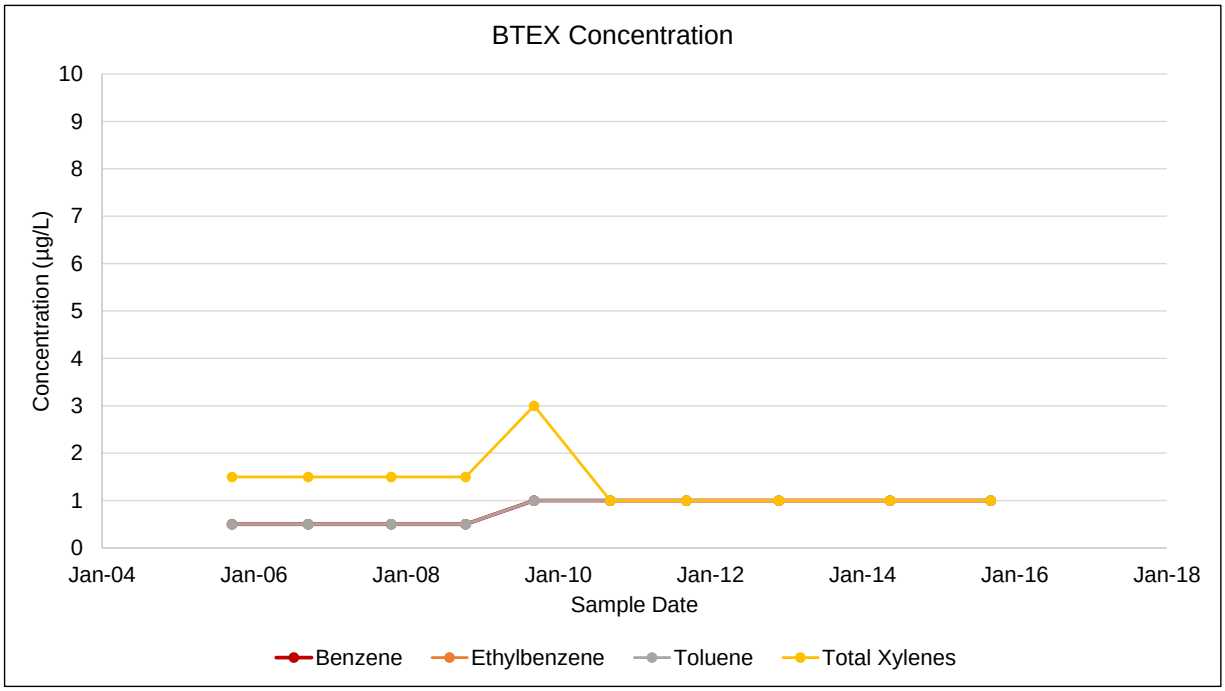
MW-12-001R

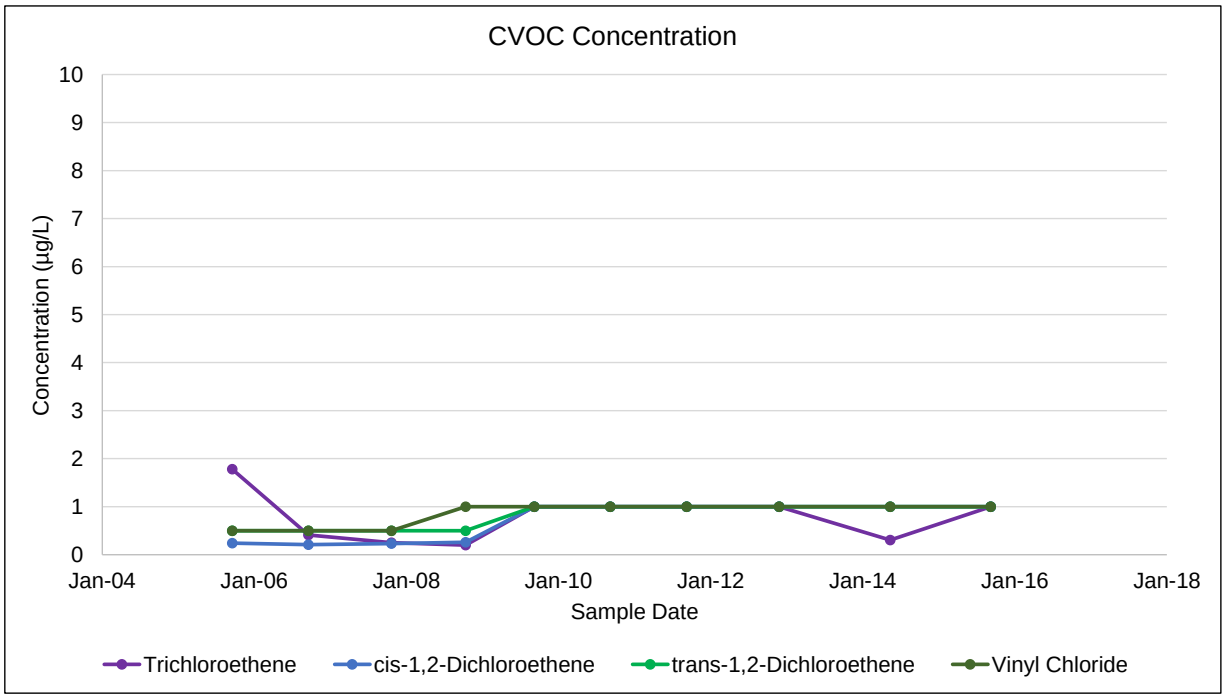


Notes:
µg/L: micrograms per liter
Non-detect sample results are presented as half the reporting limit

Former Plattsburgh Air Force Base
Plattsburgh, New York
FT002 - Industrial Area Groundwater Operable Unit

MW-17-001

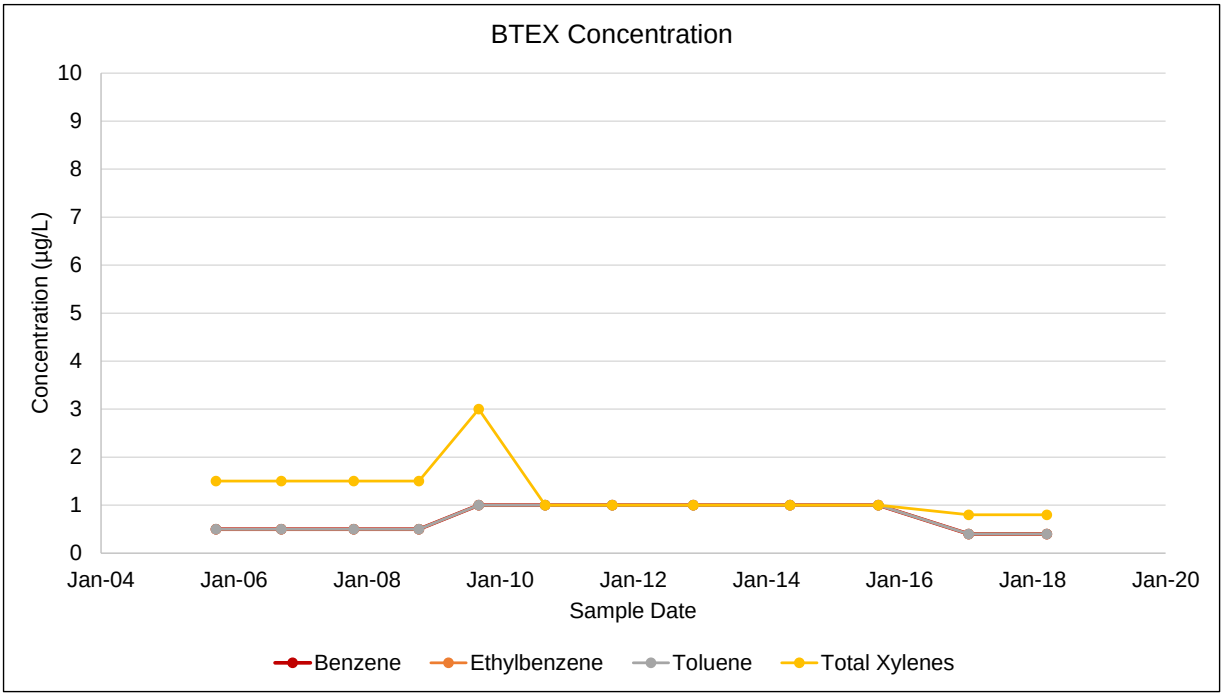


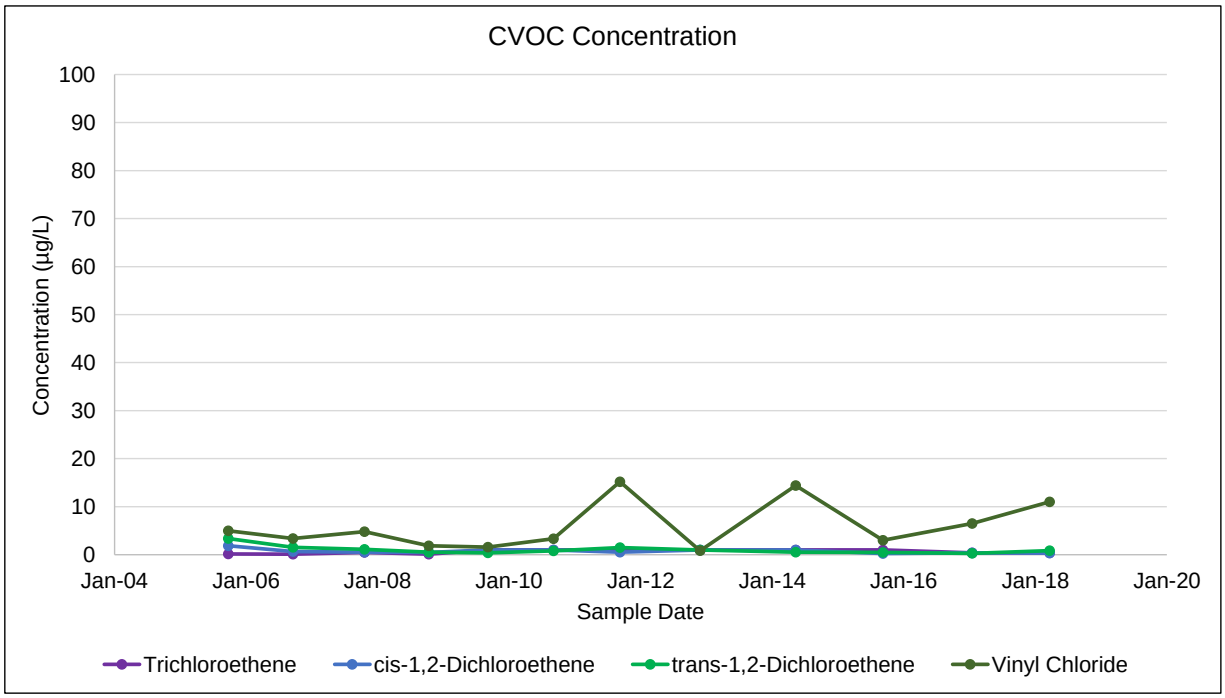


Notes:
µg/L: micrograms per liter
BTEX: benzene, toluene, ethylbenzene and total xylenes
CVOC: chlorinated volatile organic compound
Non-detect sample results are presented as half the reporting limit

Former Plattsburgh Air Force Base
Plattsburgh, New York
FT002 - Industrial Area Groundwater Operable Unit

MW-2612-03





Notes:
µg/L: micrograms per liter
BTEX: benzene, toluene, ethylbenzene and total xylenes
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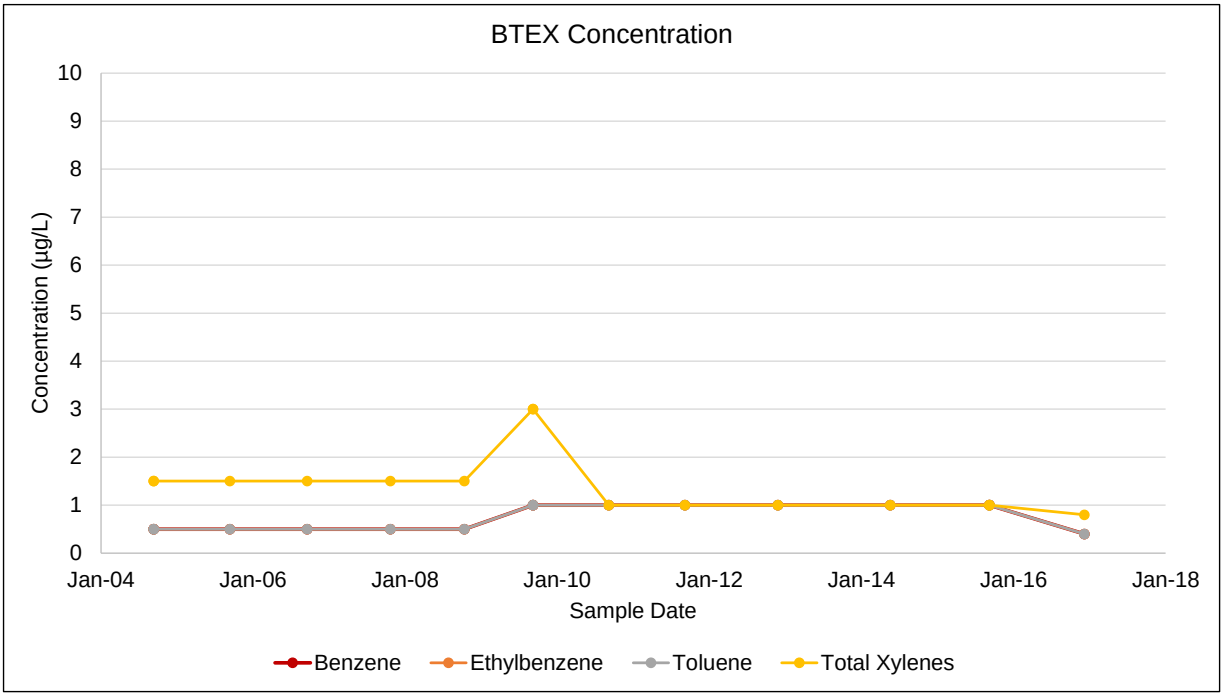
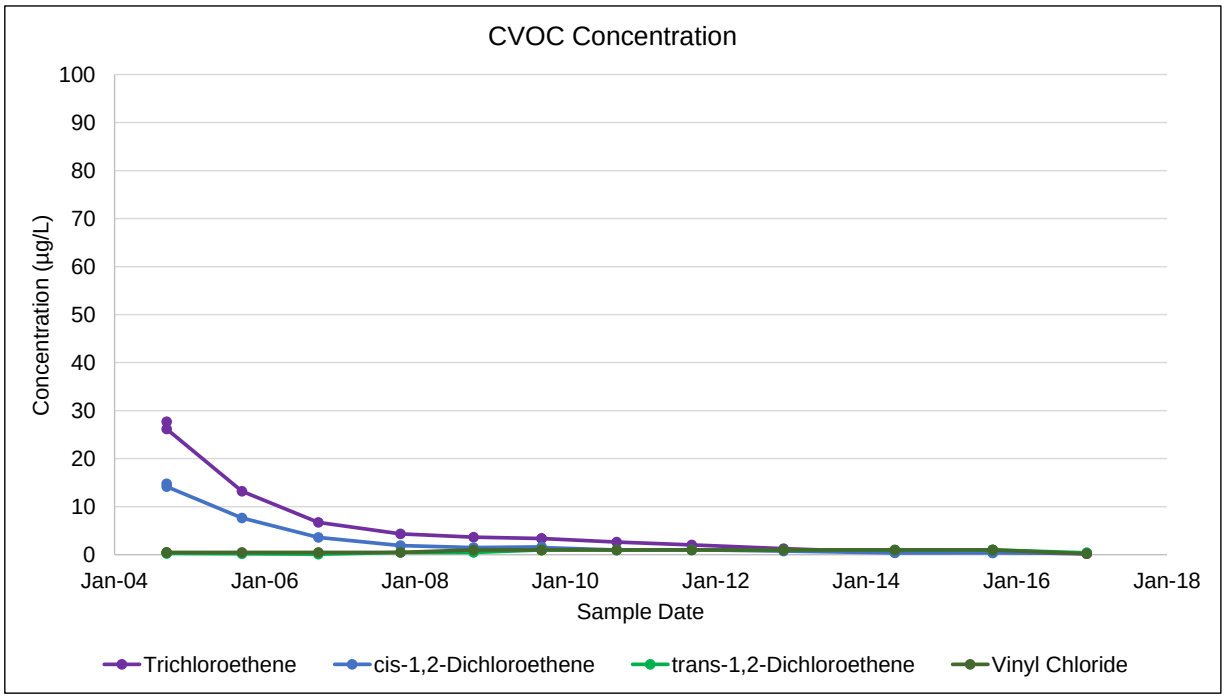
Former Plattsburgh Air Force Base
Plattsburgh, New York
FT002 - Industrial Area Groundwater Operable Unit

MW-2612-08

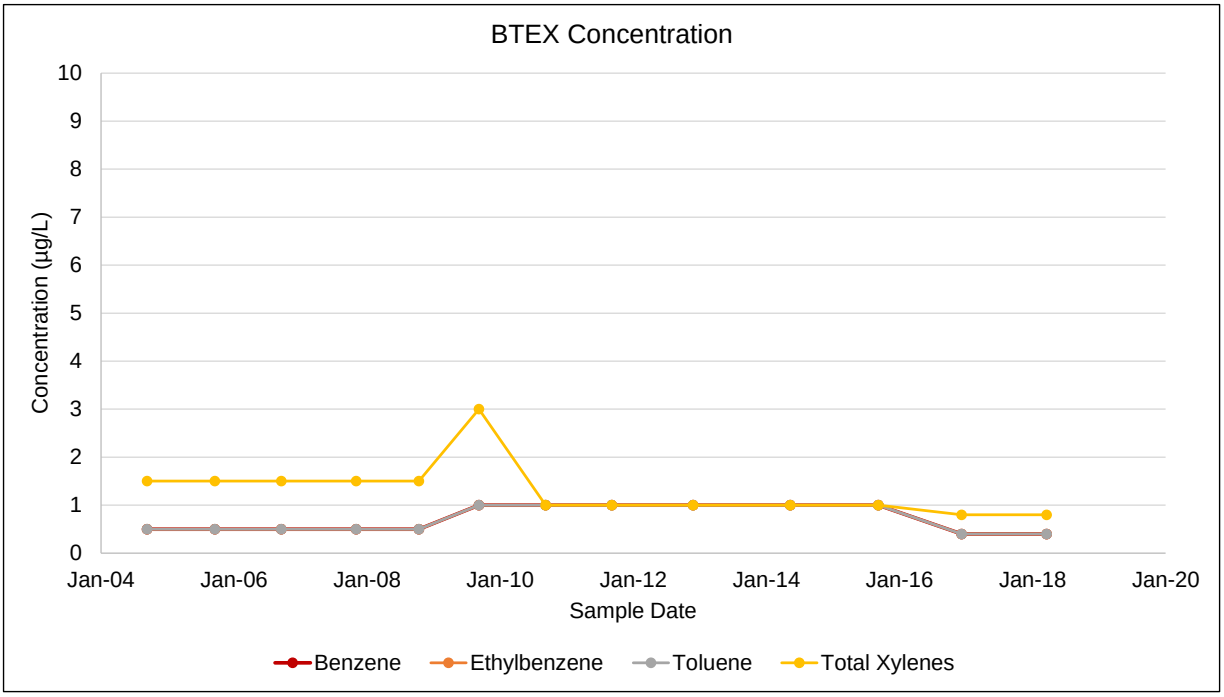


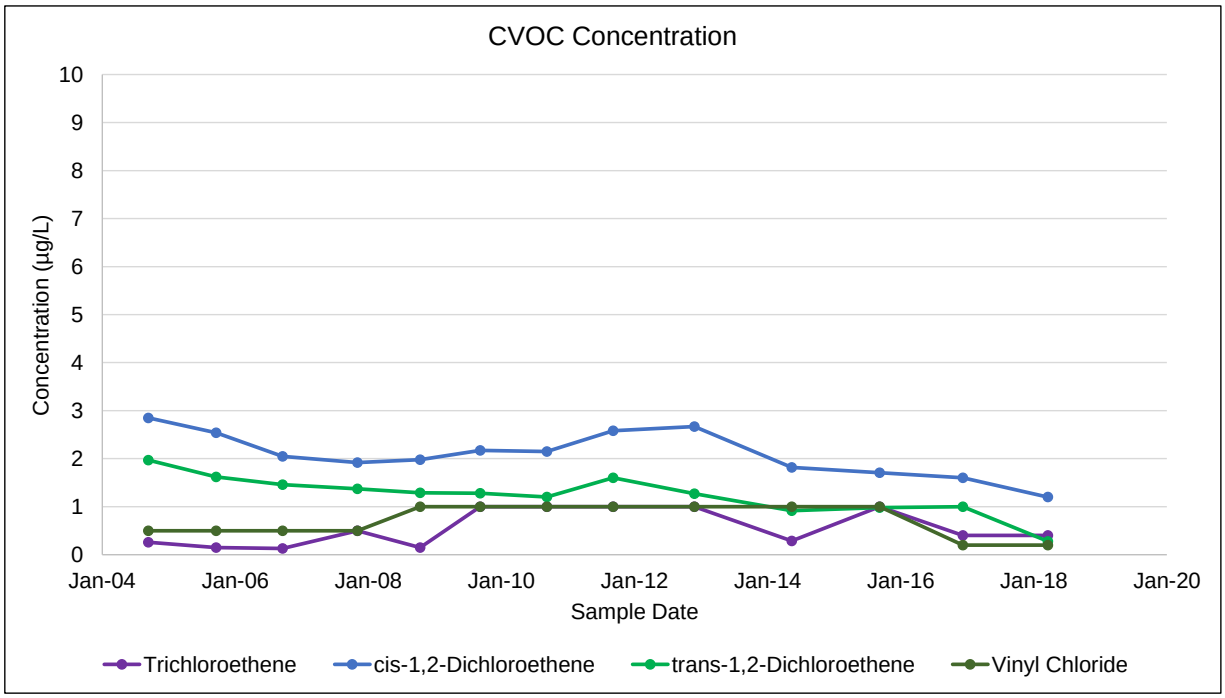


Notes:
µg/L: micrograms per liter
BTEX: benzene, toluene, ethylbenzene and total xylenes
CVOC: chlorinated volatile organic compound
Non-detect sample results are presented as half the reporting limit

Former Plattsburgh Air Force Base
Plattsburgh, New York
FT002 - Industrial Area Groundwater Operable Unit

MW-2612-15





Notes:
µg/L: micrograms per liter
BTEX: benzene, toluene, ethylbenzene and total xylenes
CVOC: chlorinated volatile organic compound
Non-detect sample results are presented as half the reporting limit

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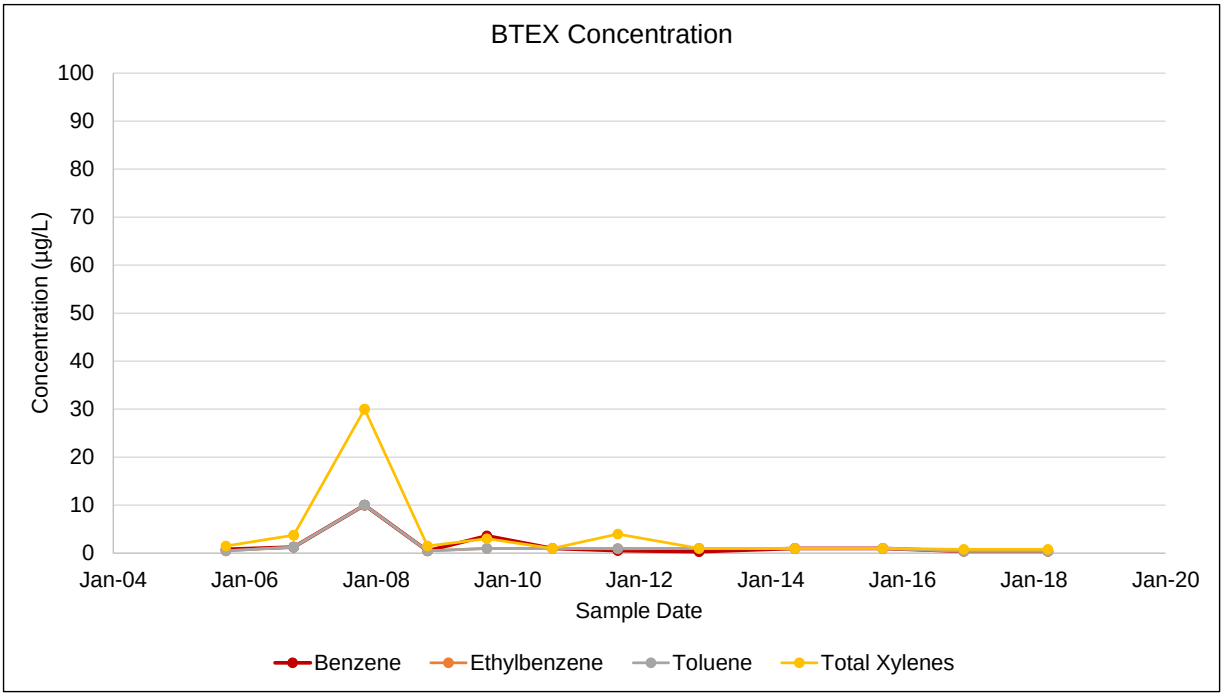
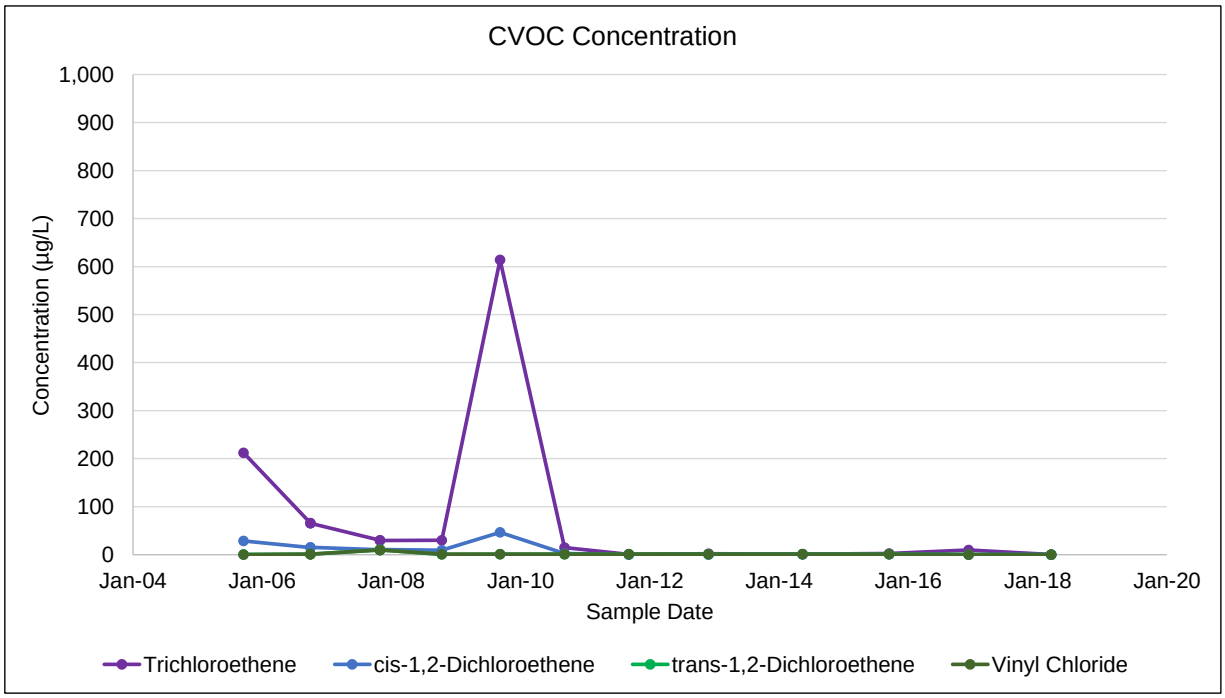
FT002 - Industrial Area Groundwater Operable Unit

MW-GWOU-11





Notes:
µg/L: micrograms per liter
BTEX: benzene, toluene, ethylbenzene and total xylenes
CVOC: chlorinated volatile organic compound
Non-detect sample results are presented as half the reporting limit

Former Plattsburgh Air Force Base
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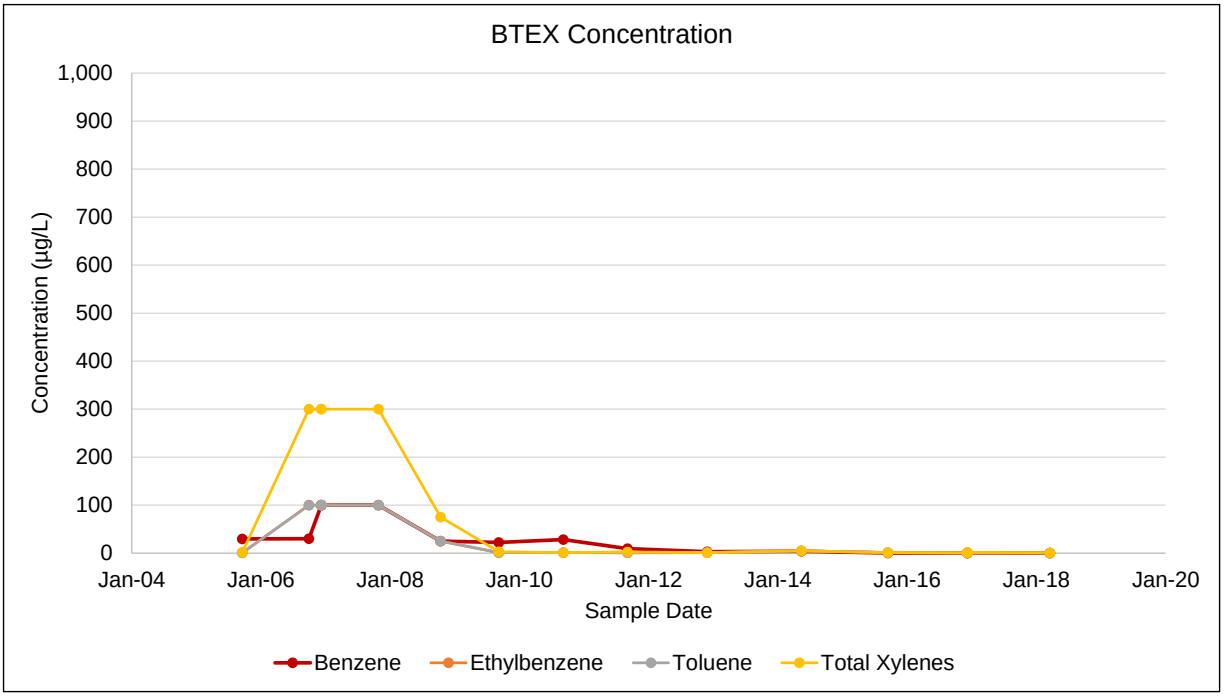
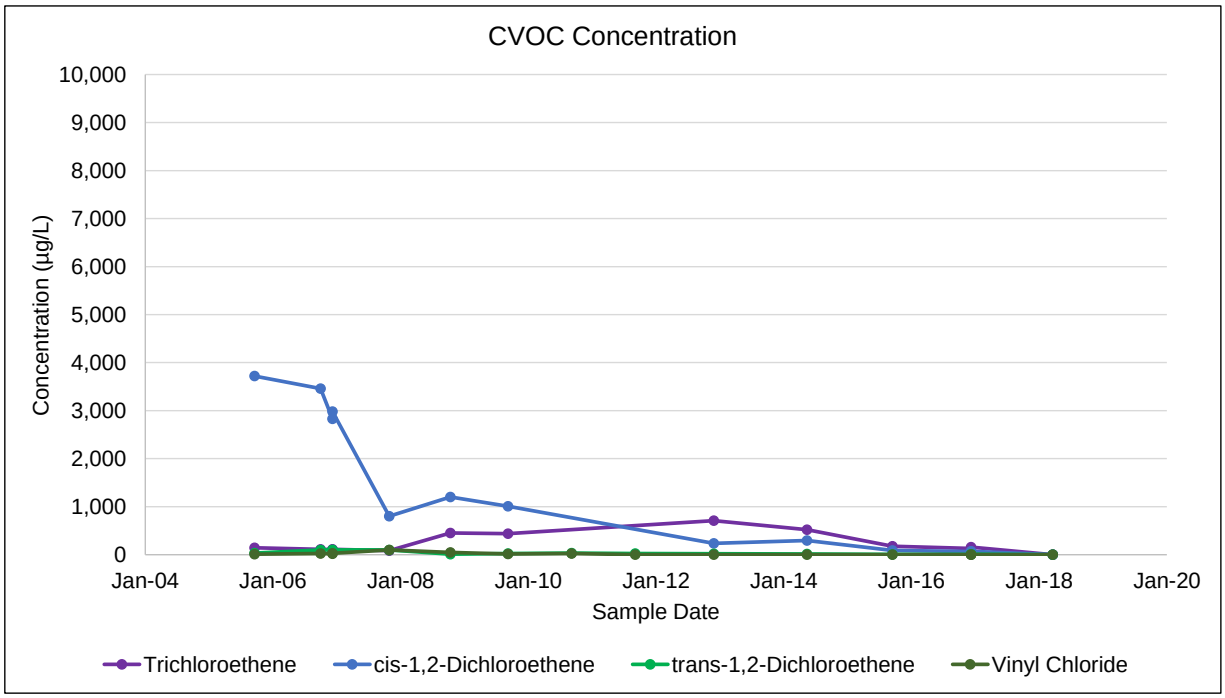
FT002 - Industrial Area Groundwater Operable Unit

MW-GWOU-13





Notes:
µg/L: micrograms per liter
BTEX: benzene, toluene, ethylbenzene and total xylenes
CVOC: chlorinated volatile organic compound
Non-detect sample results are presented as half the reporting limit

Former Plattsburgh Air Force Base
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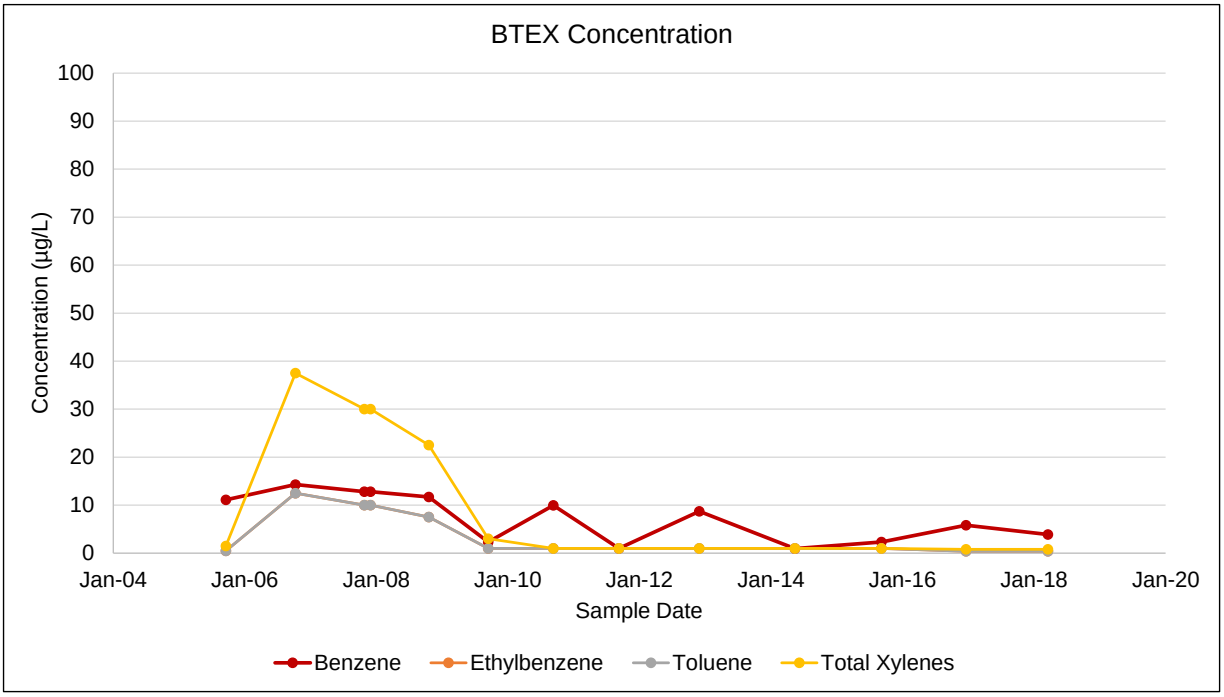
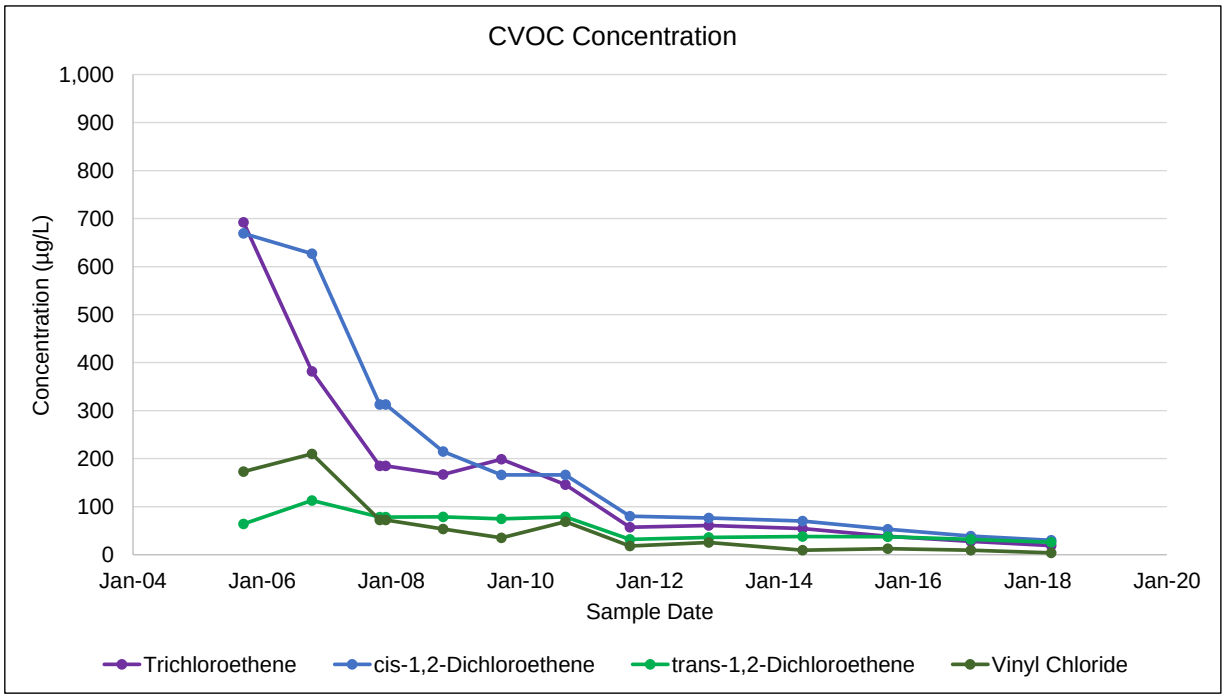
FT002 - Industrial Area Groundwater Operable Unit

MW-GWOU-15

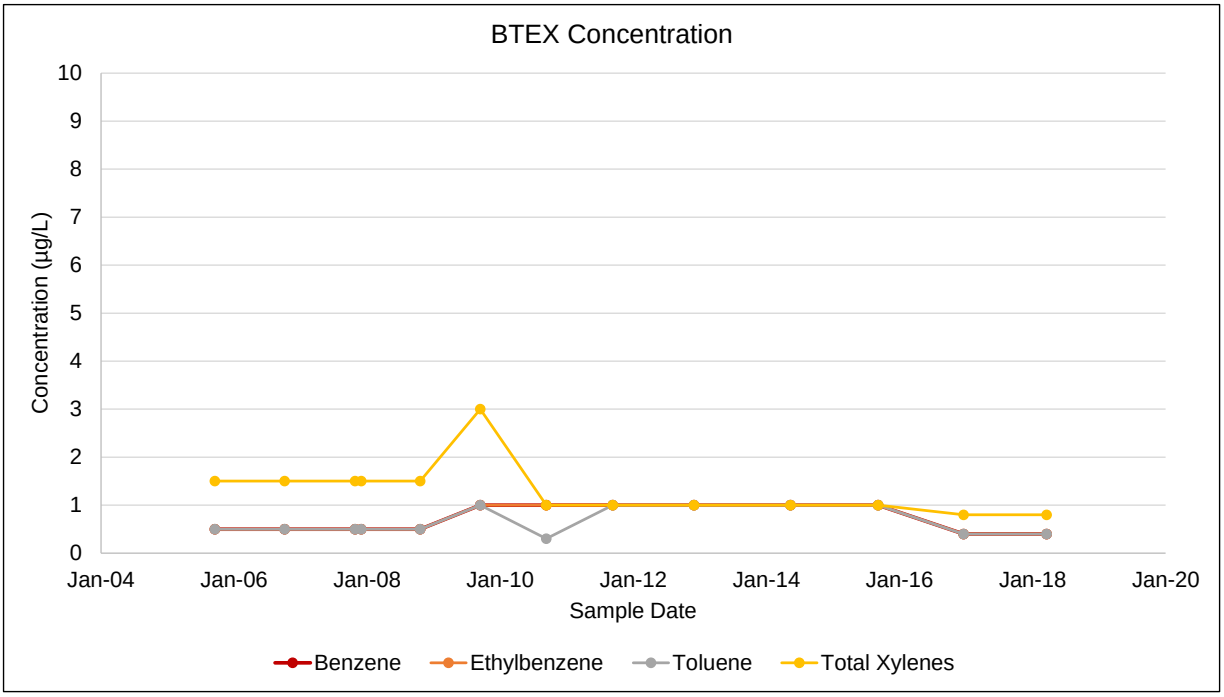


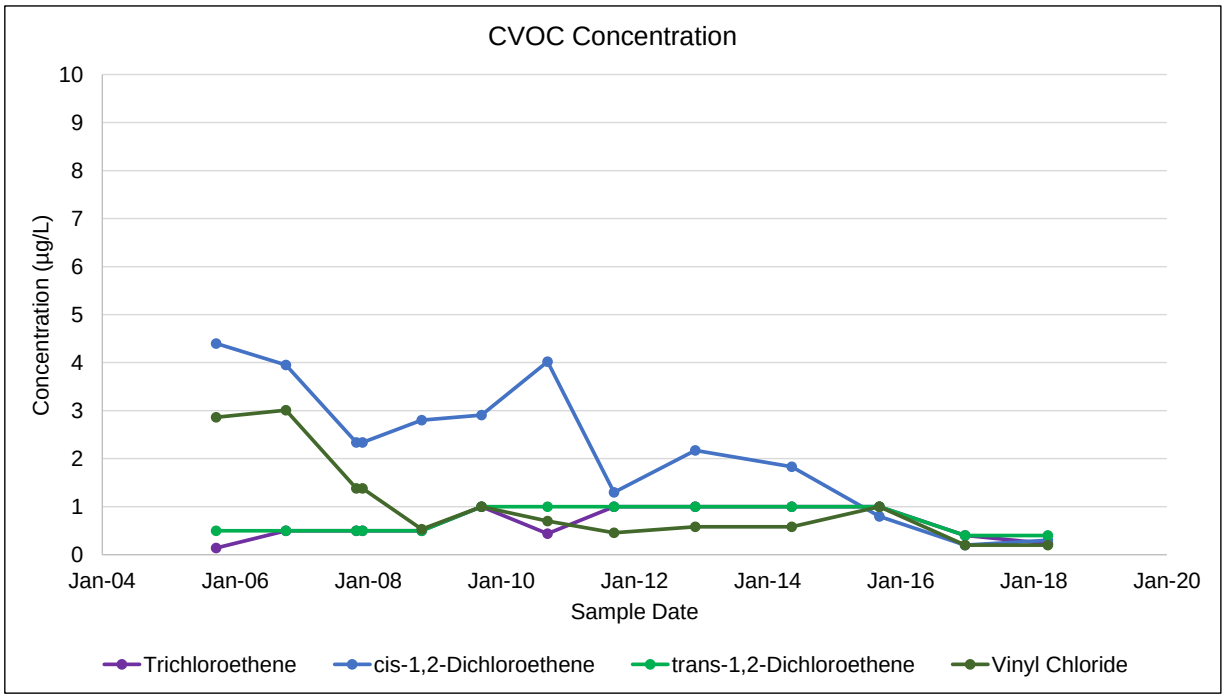


Notes:
µg/L: micrograms per liter
BTEX: benzene, toluene, ethylbenzene and total xylenes
CVOC: chlorinated volatile organic compound
Non-detect sample results are presented as half the reporting limit

Former Plattsburgh Air Force Base
Plattsburgh, New York
FT002 - Industrial Area Groundwater Operable Unit

MW-GWOU-16

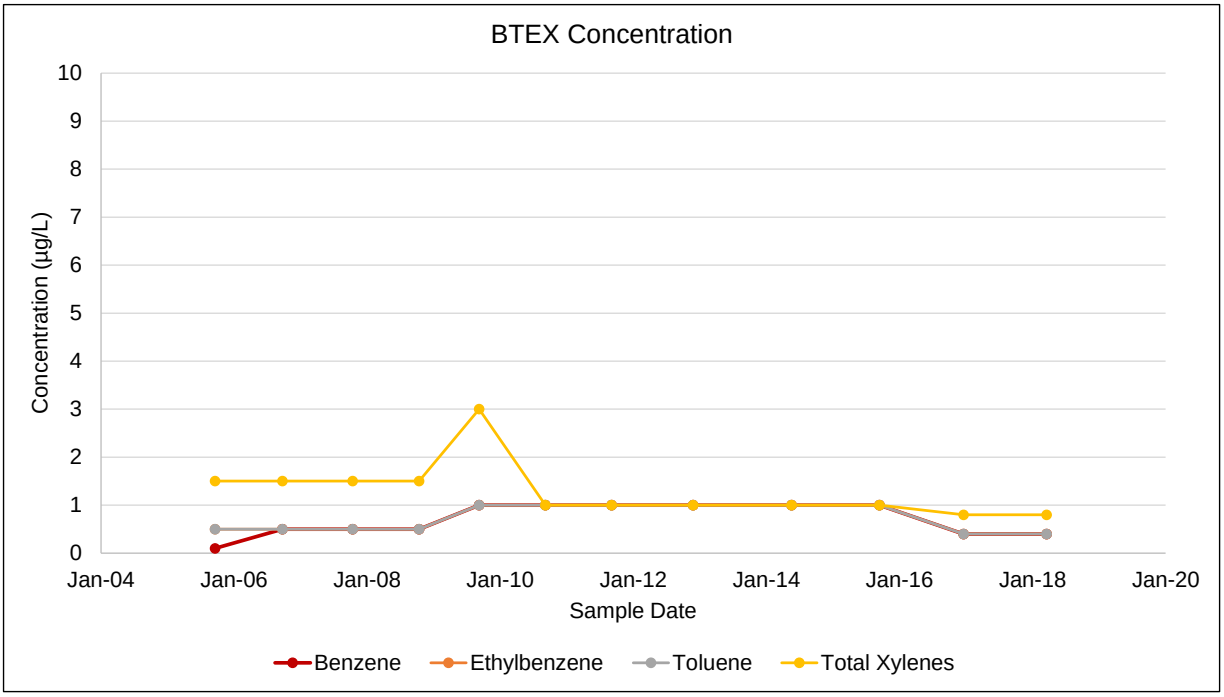


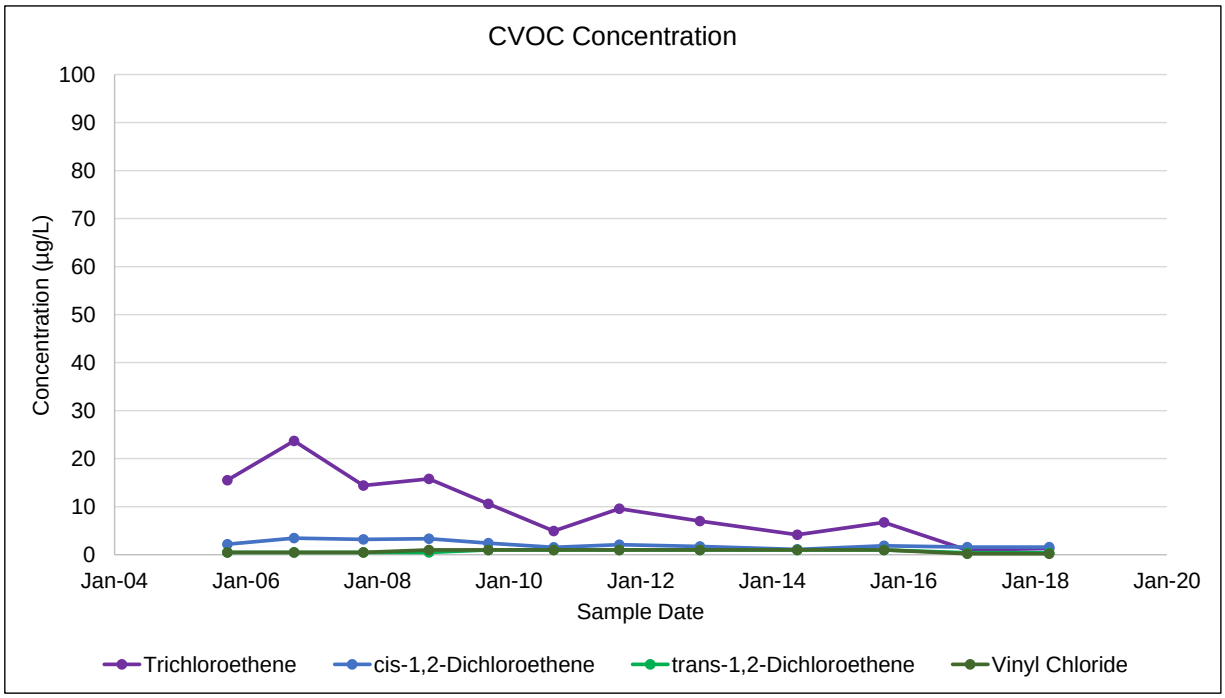


Notes:
µg/L: micrograms per liter
BTEX: benzene, toluene, ethylbenzene and total xylenes
CVOC: chlorinated volatile organic compound
Non-detect sample results are presented as half the reporting limit

Former Plattsburgh Air Force Base
Plattsburgh, New York
FT002 - Industrial Area Groundwater Operable Unit

MW-GWOU-19

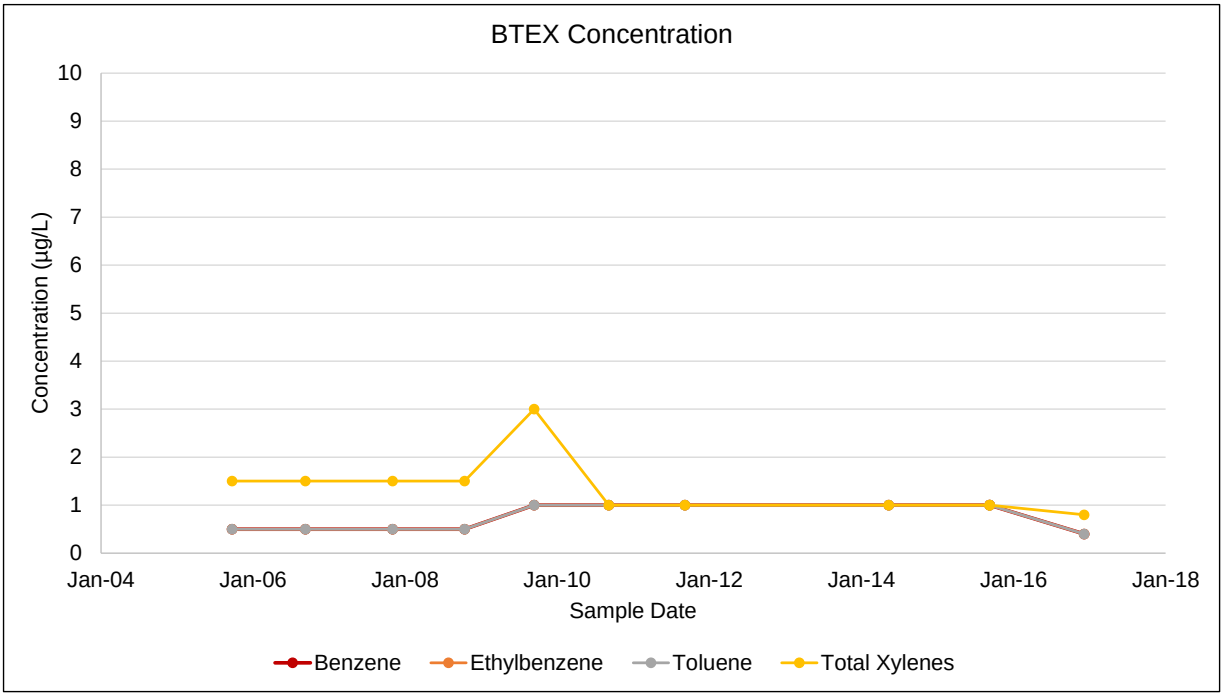


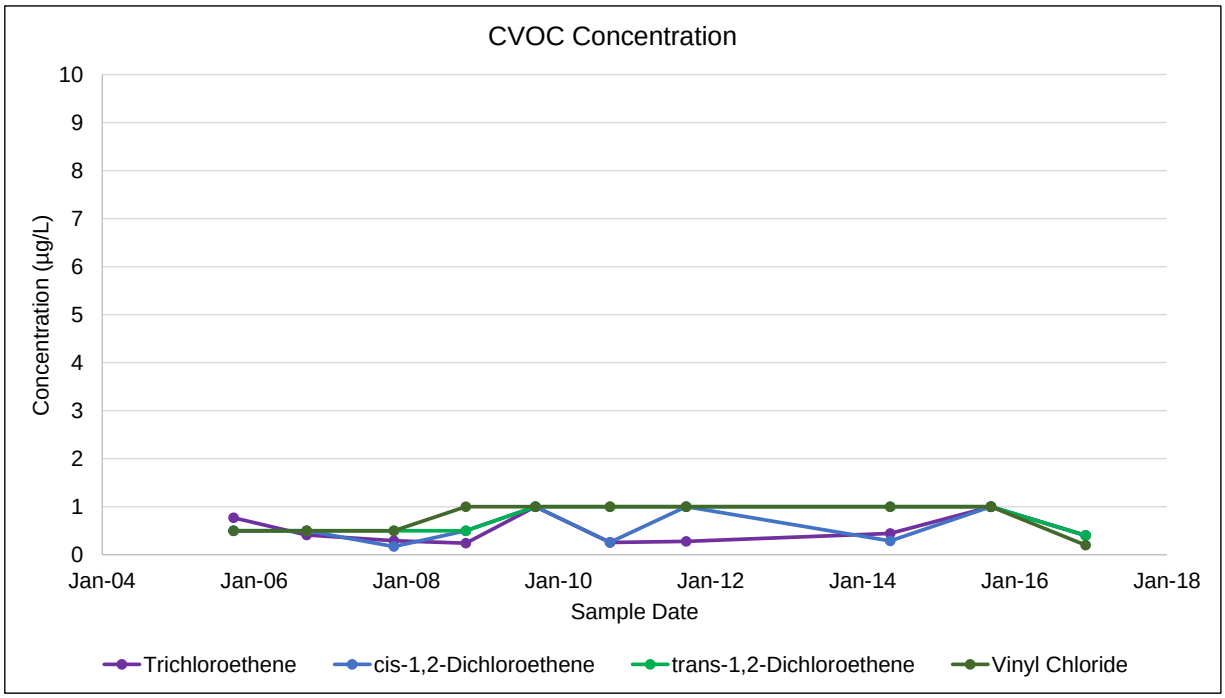


Notes:
µg/L: micrograms per liter
BTEX: benzene, toluene, ethylbenzene and total xylenes
CVOC: chlorinated volatile organic compound
Non-detect sample results are presented as half the reporting limit

Former Plattsburgh Air Force Base
Plattsburgh, New York
FT002 - Industrial Area Groundwater Operable Unit

MW-GWOU-21

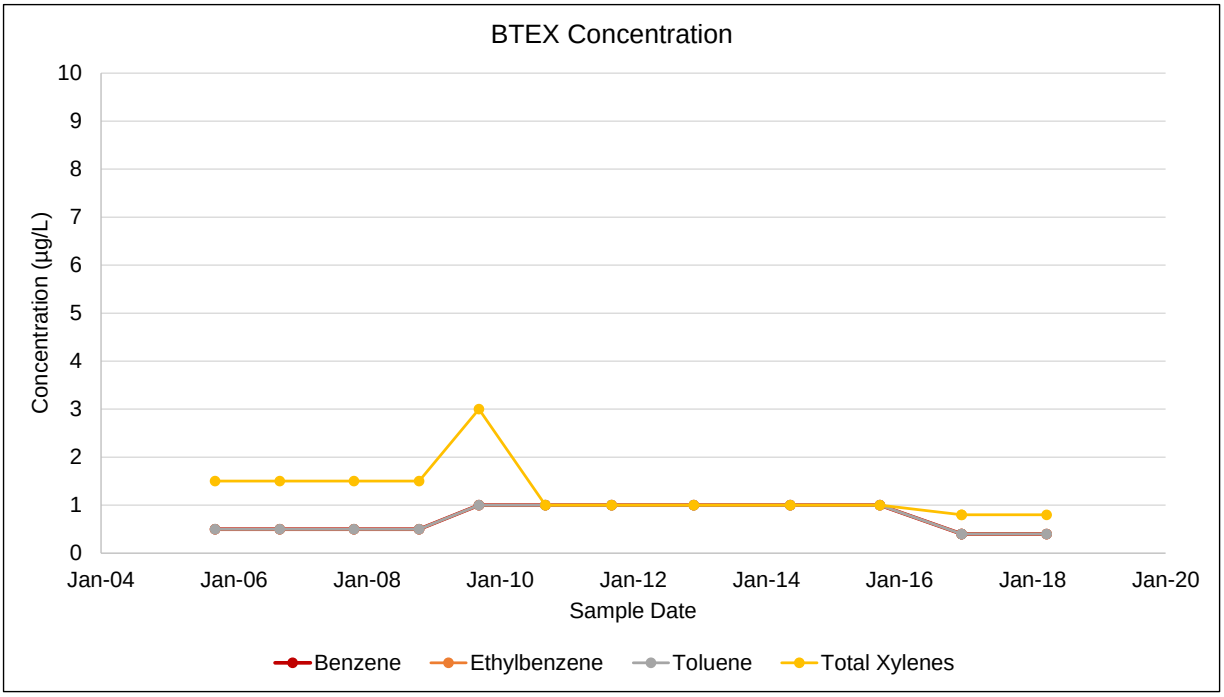


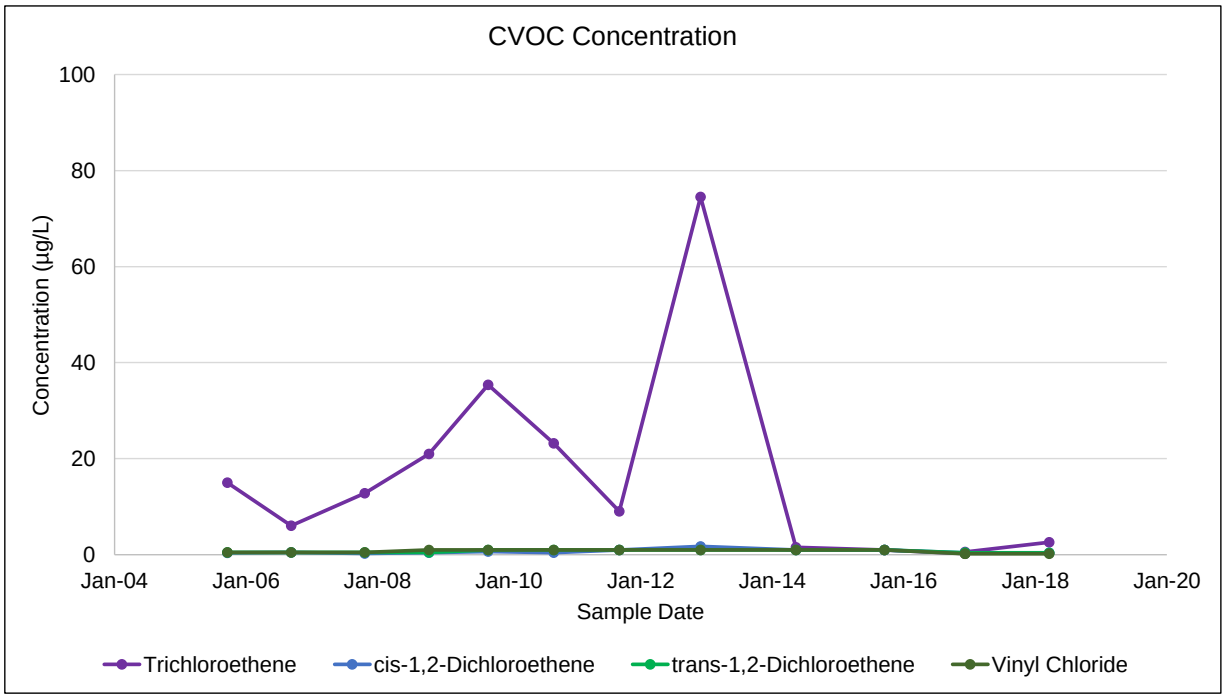


Notes:
µg/L: micrograms per liter
BTEX: benzene, toluene, ethylbenzene and total xylenes
CVOC: chlorinated volatile organic compound
Non-detect sample results are presented as half the reporting limit

Former Plattsburgh Air Force Base
Plattsburgh, New York
FT002 - Industrial Area Groundwater Operable Unit

MW-GWOU-22

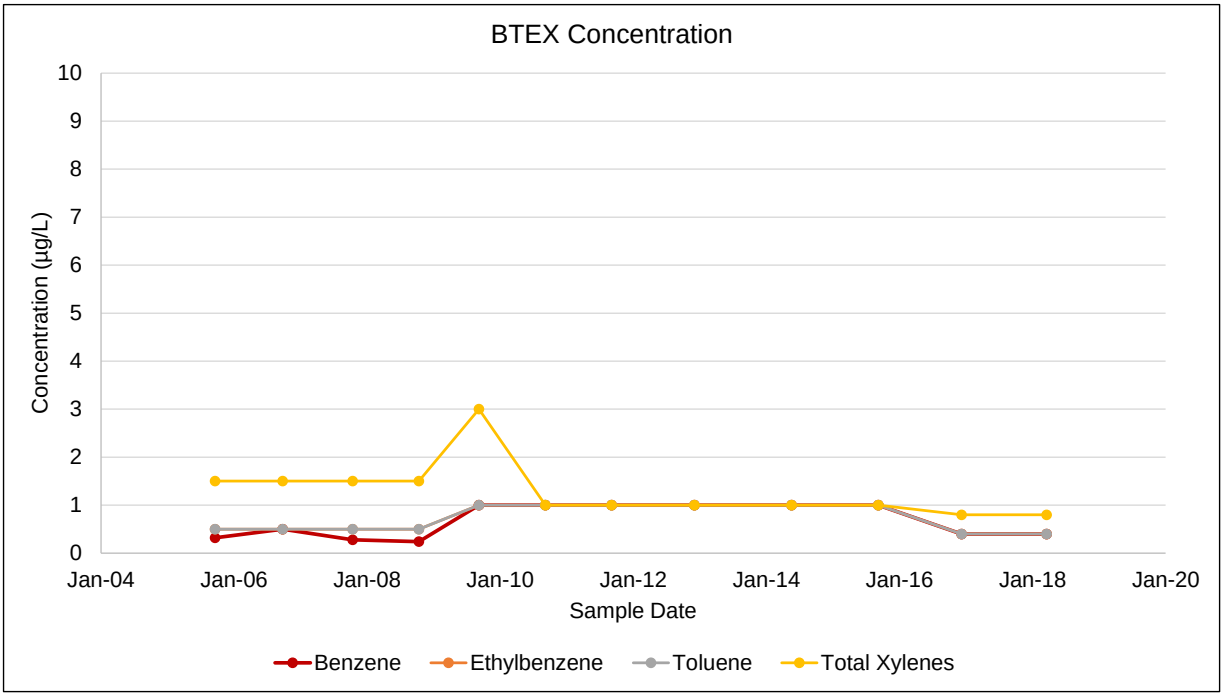


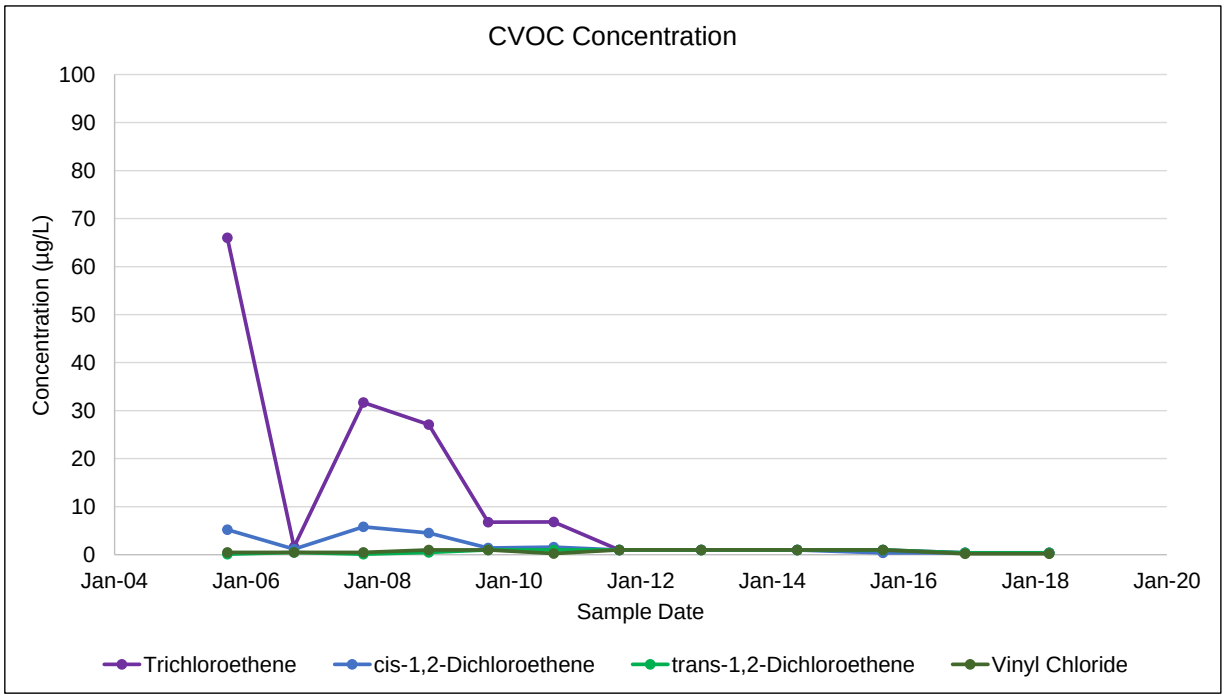


Notes:
µg/L: micrograms per liter
BTEX: benzene, toluene, ethylbenzene and total xylenes
CVOC: chlorinated volatile organic compound
Non-detect sample results are presented as half the reporting limit

Former Plattsburgh Air Force Base
Plattsburgh, New York
FT002 - Industrial Area Groundwater Operable Unit

MW-GWOU-23

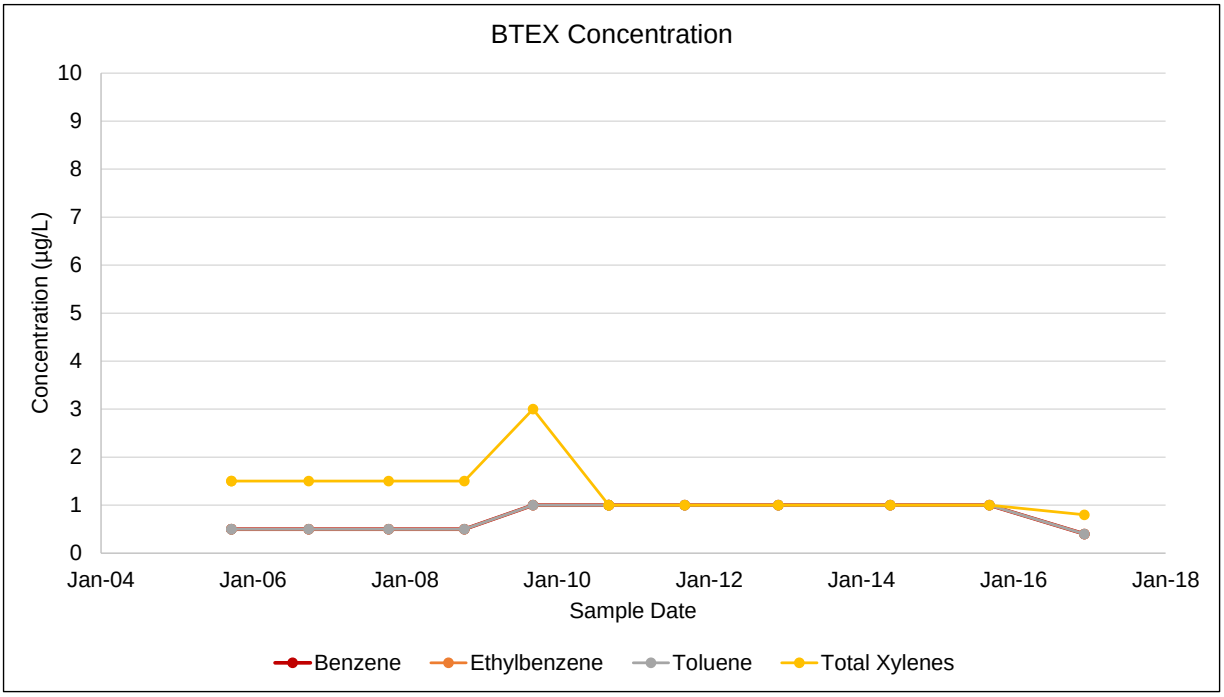


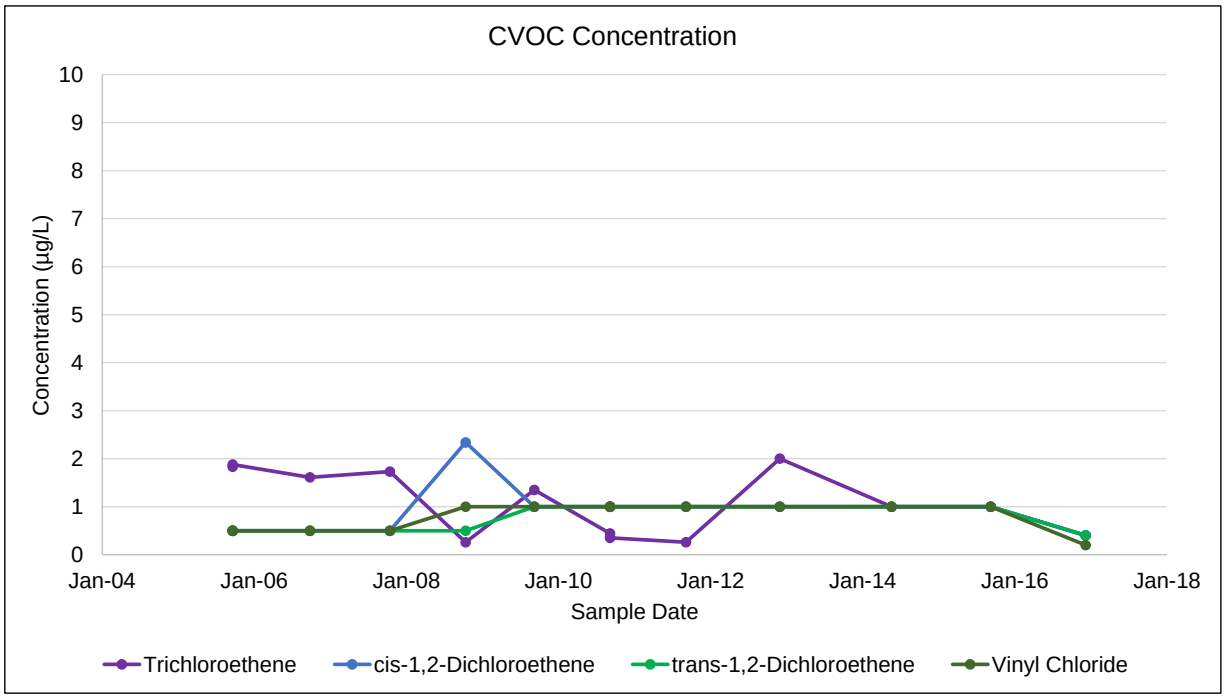


Notes:
µg/L: micrograms per liter
BTEX: benzene, toluene, ethylbenzene and total xylenes
CVOC: chlorinated volatile organic compound
Non-detect sample results are presented as half the reporting limit

Former Plattsburgh Air Force Base
Plattsburgh, New York
FT002 - Industrial Area Groundwater Operable Unit

MW-GWOU-24

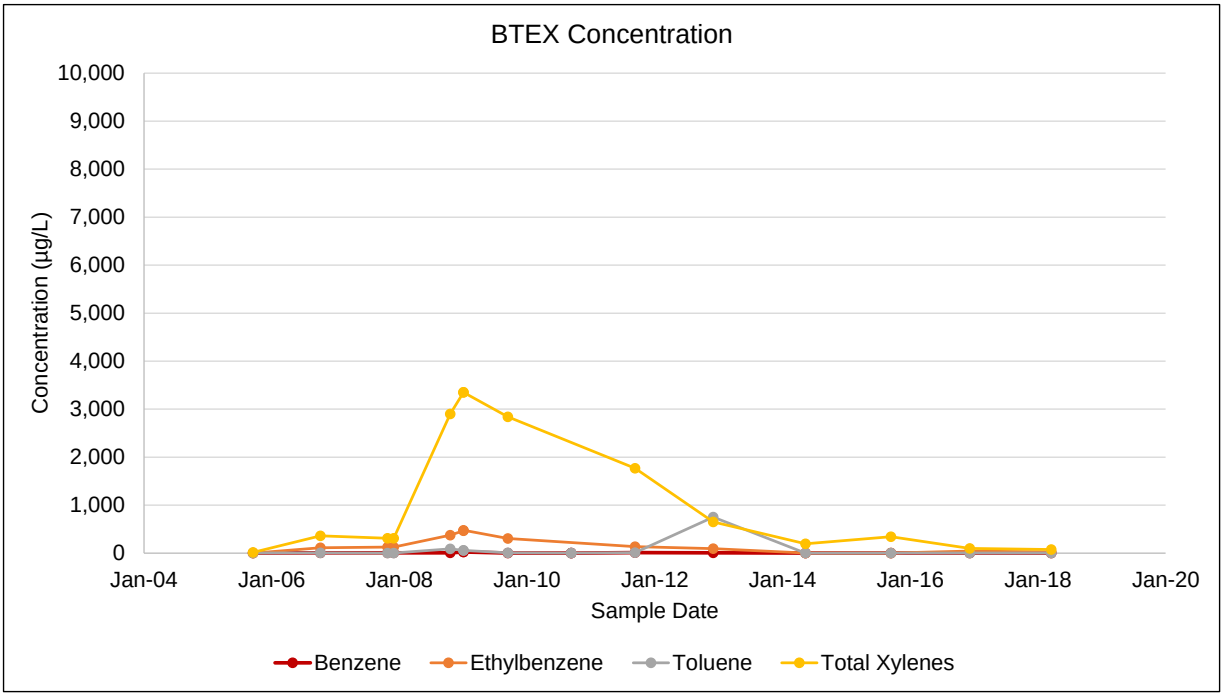


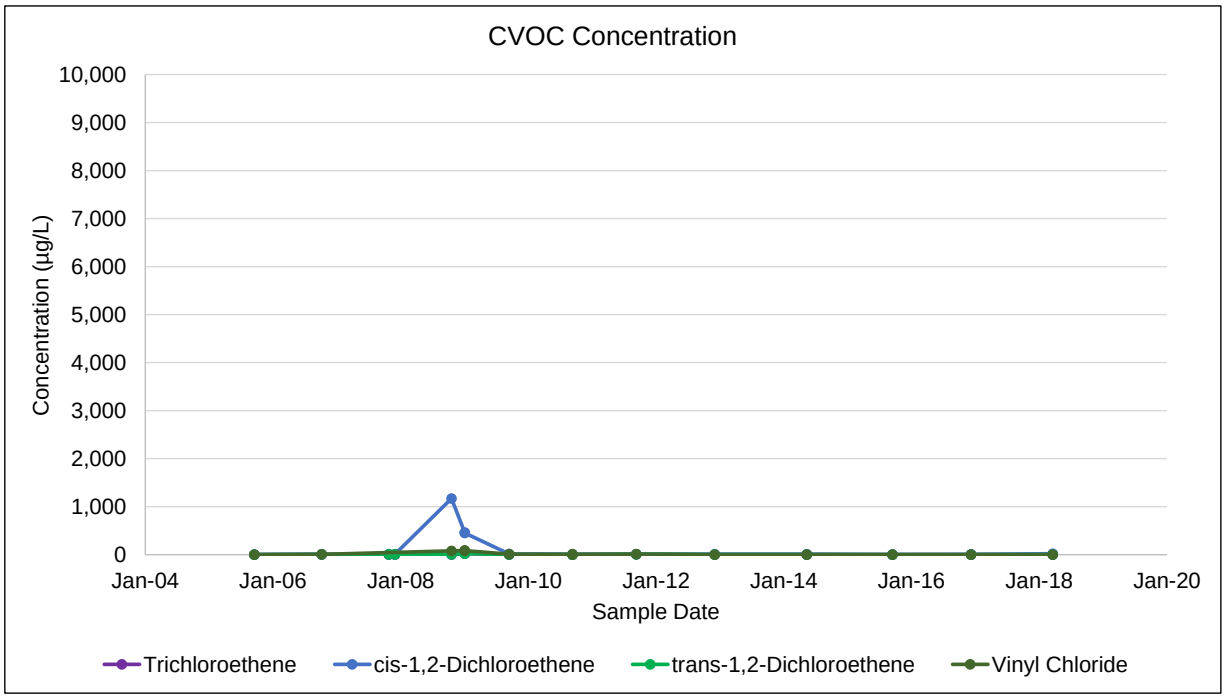


Notes:
µg/L: micrograms per liter
BTEX: benzene, toluene, ethylbenzene and total xylenes
CVOC: chlorinated volatile organic compound
Non-detect sample results are presented as half the reporting limit

Former Plattsburgh Air Force Base
Plattsburgh, New York
FT002 - Industrial Area Groundwater Operable Unit

MW-GWOU-26

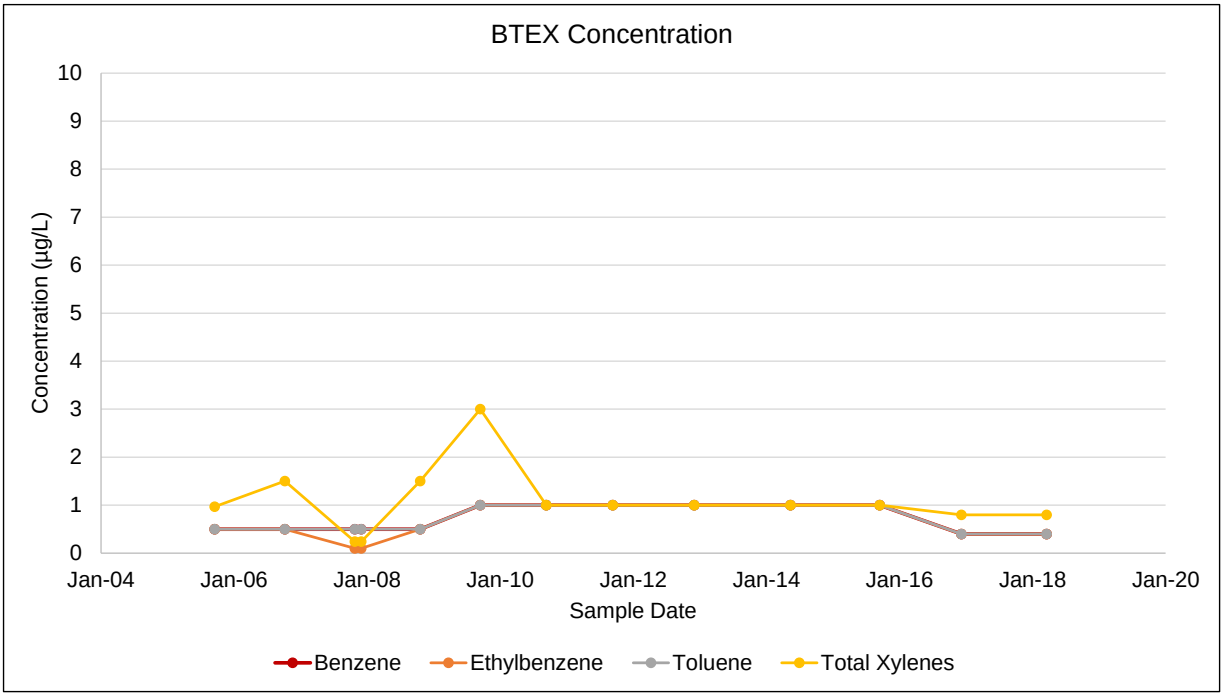


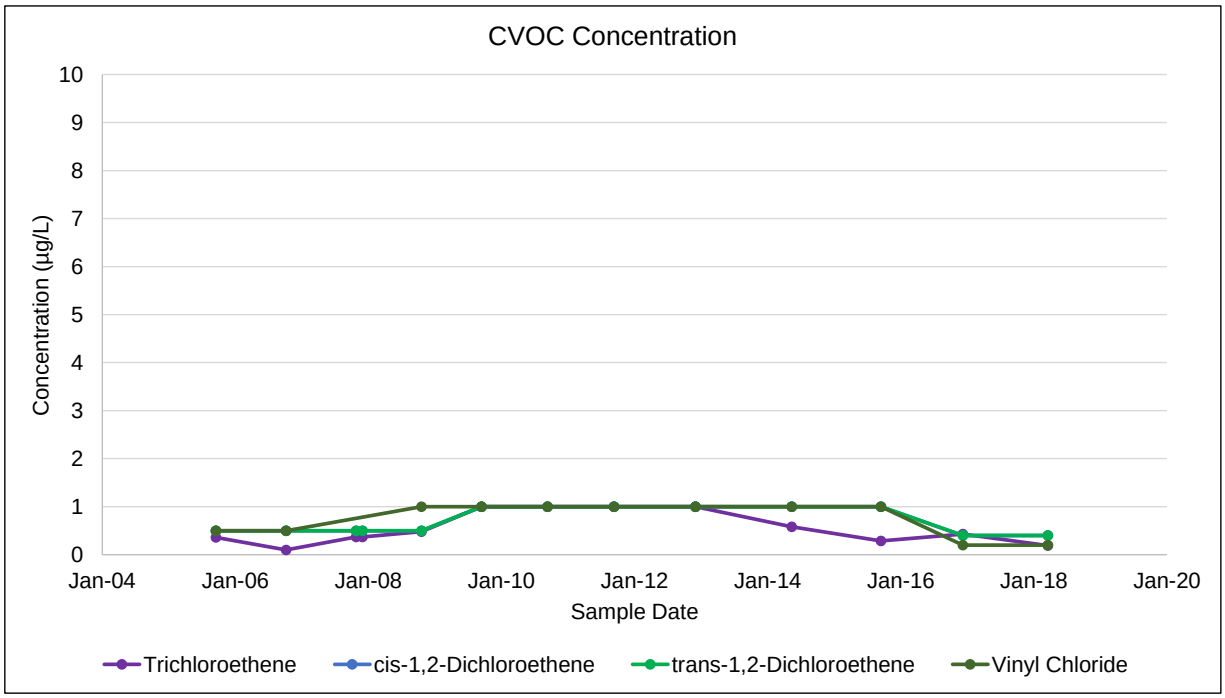


Notes:
µg/L: micrograms per liter
BTEX: benzene, toluene, ethylbenzene and total xylenes
CVOC: chlorinated volatile organic compound
Non-detect sample results are presented as half the reporting limit

Former Plattsburgh Air Force Base
Plattsburgh, New York
FT002 - Industrial Area Groundwater Operable Unit

MW-GWOU-27





Notes:
µg/L: micrograms per liter
BTEX: benzene, toluene, ethylbenzene and total xylenes
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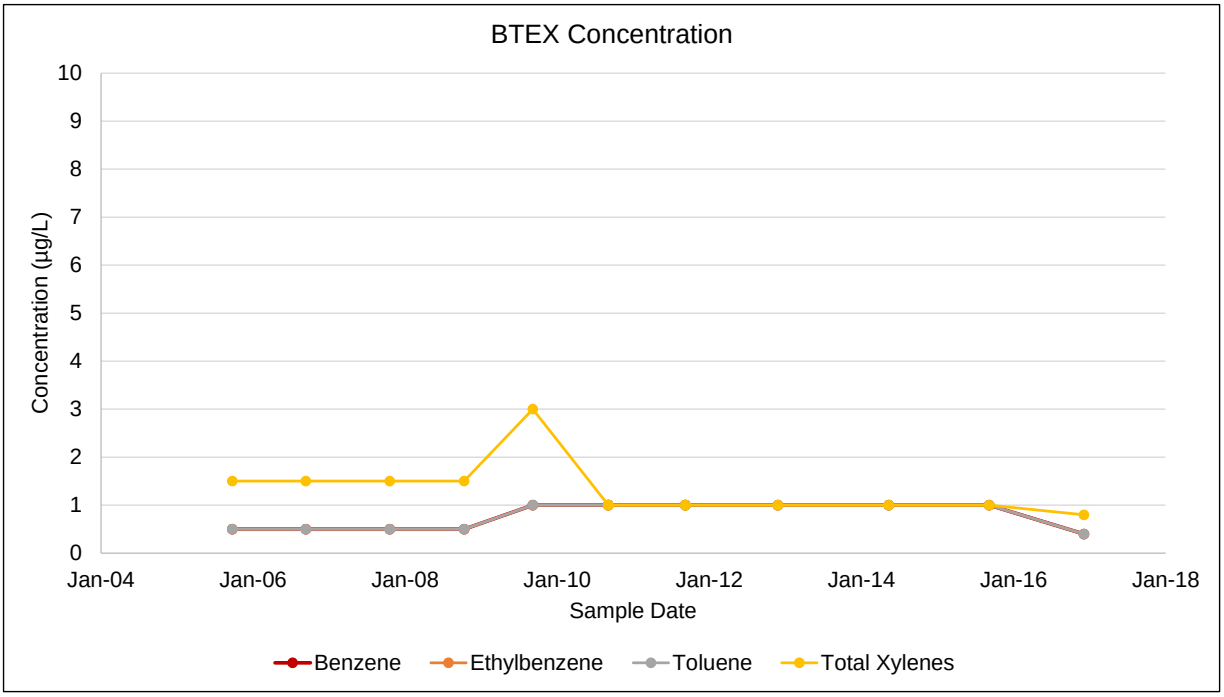
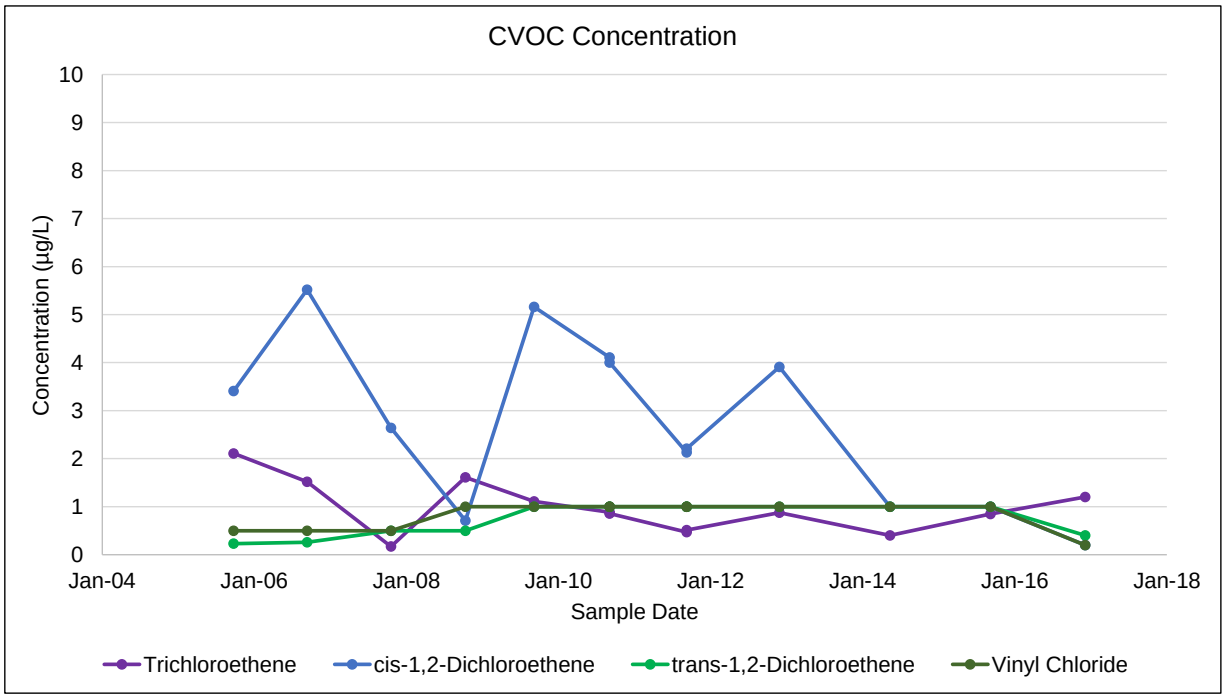
Non-detect sample results are presented as half the reporting limit

Former Plattsburgh Air Force Base
Plattsburgh, New York
FT002 - Industrial Area Groundwater Operable Unit

MW-GWOU-28

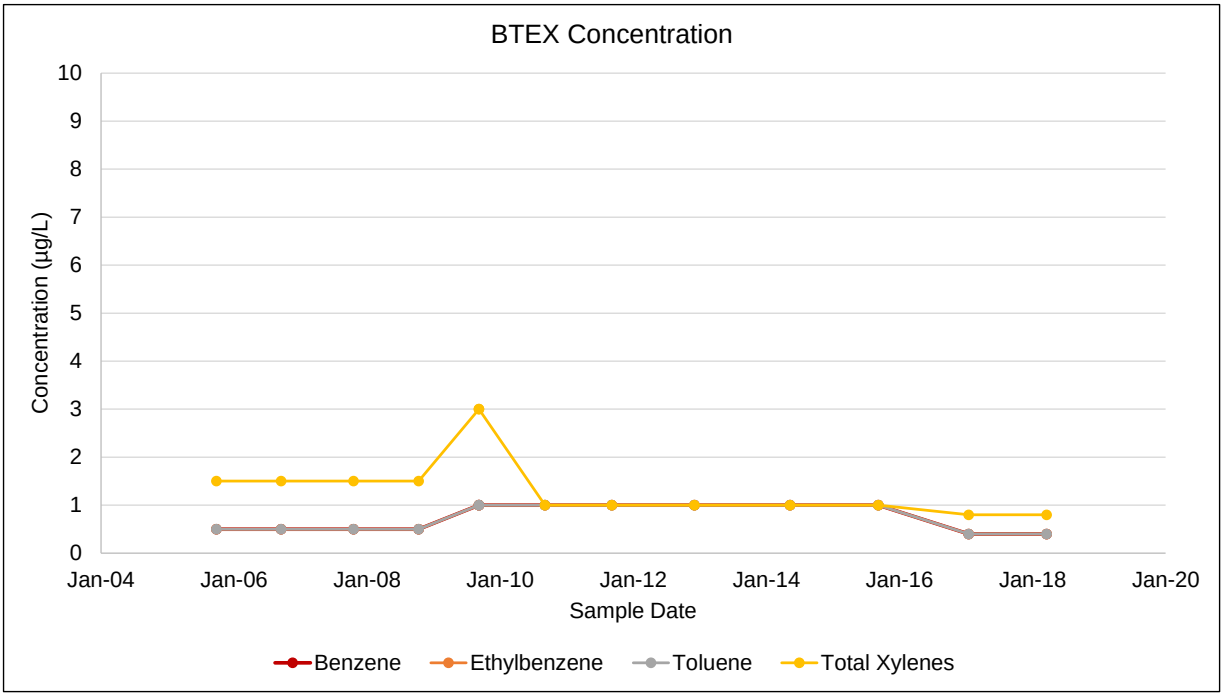


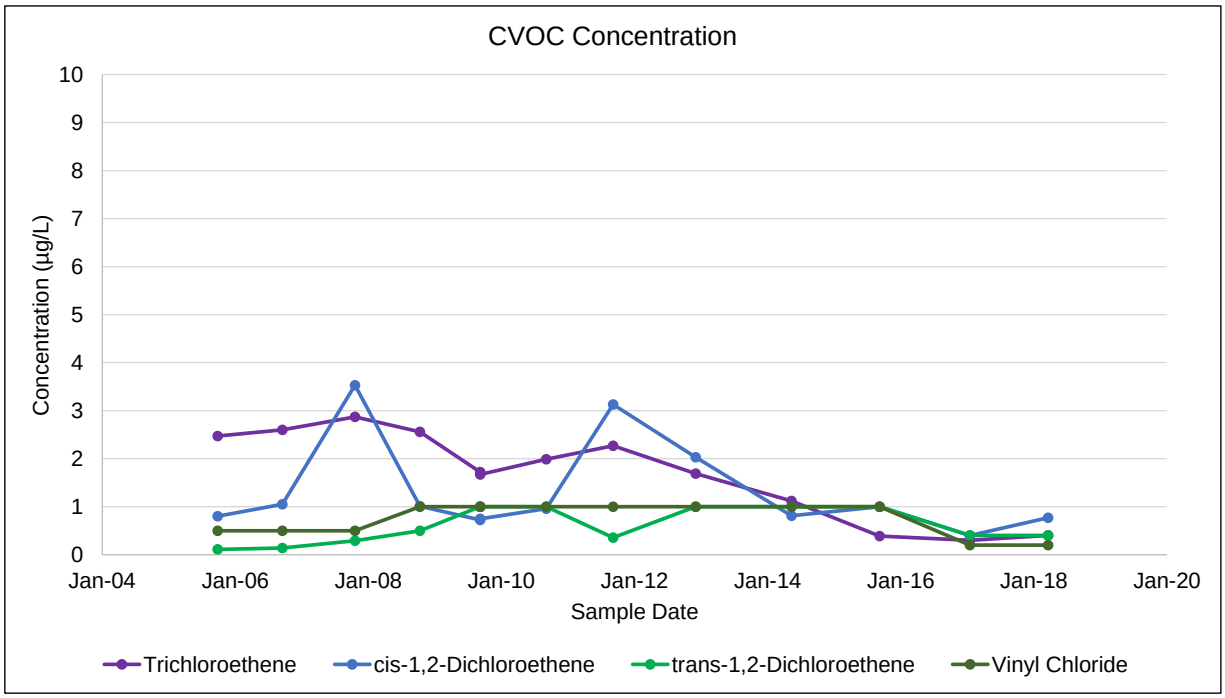


Notes:
µg/L: micrograms per liter
BTEX: benzene, toluene, ethylbenzene and total xylenes
CVOC: chlorinated volatile organic compound
Non-detect sample results are presented as half the reporting limit

Former Plattsburgh Air Force Base
Plattsburgh, New York
FT002 - Industrial Area Groundwater Operable Unit

MW-GWOU-32





Notes:
µg/L: micrograms per liter
BTEX: benzene, toluene, ethylbenzene and total xylenes
CVOC: chlorinated volatile organic compound
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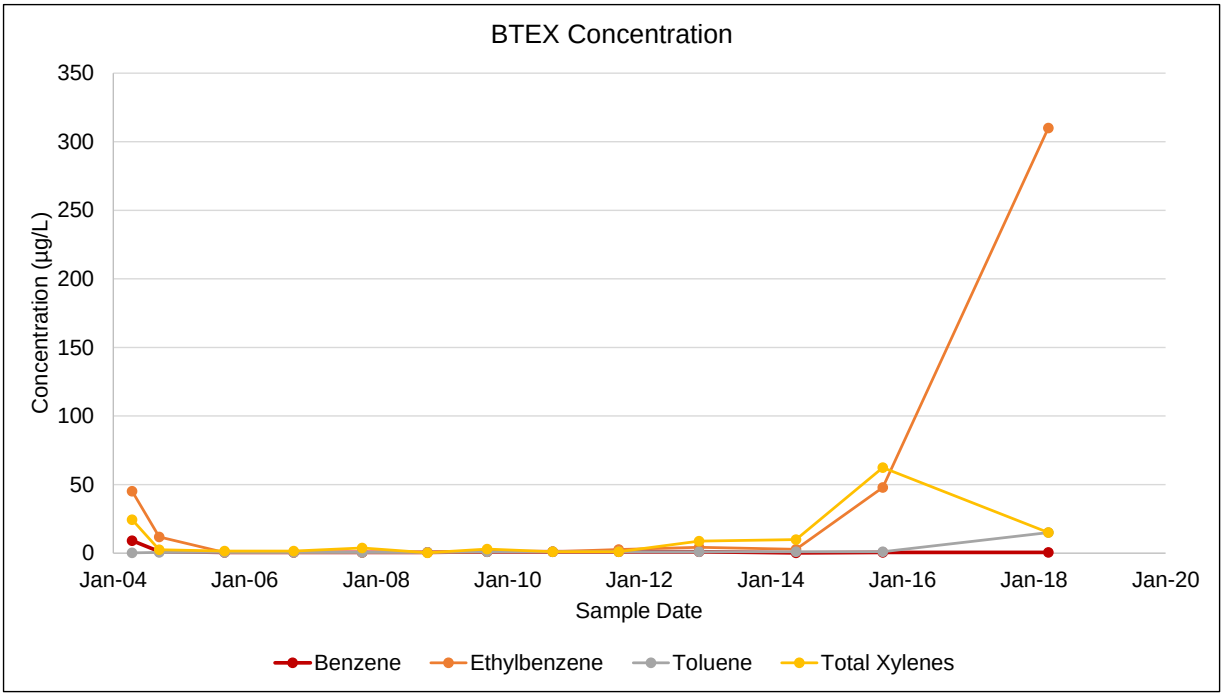
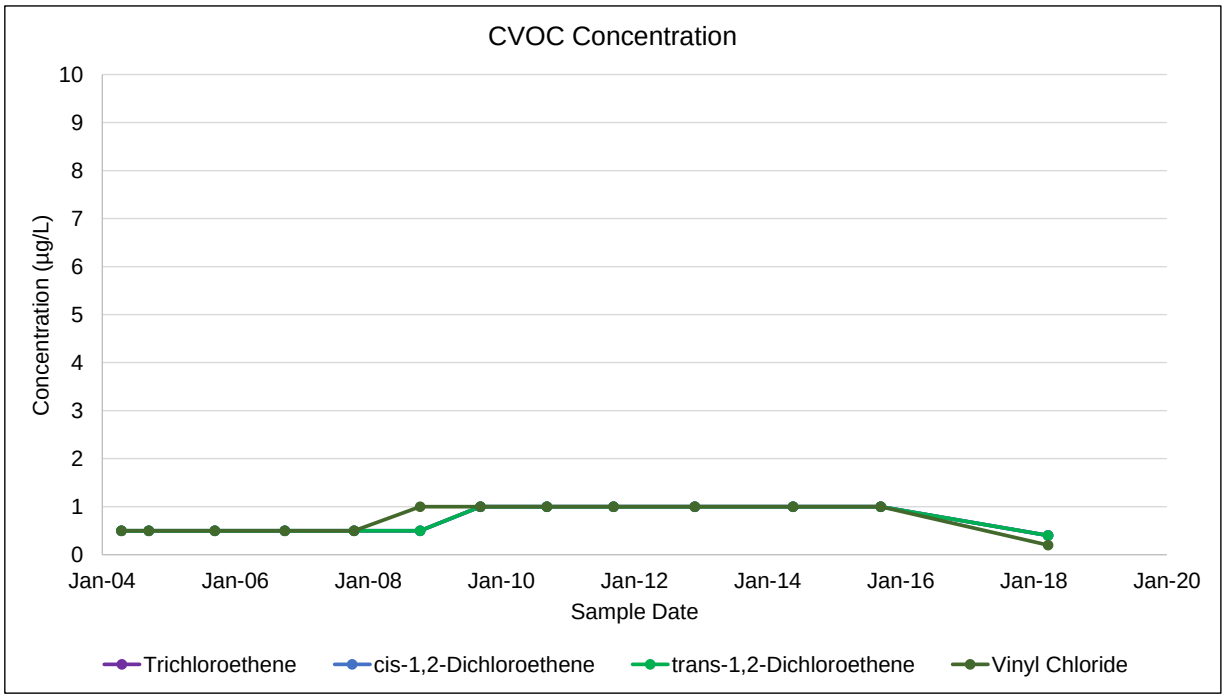
Former Plattsburgh Air Force Base
Plattsburgh, New York
FT002 - Industrial Area Groundwater Operable Unit

MW-PH3-E6

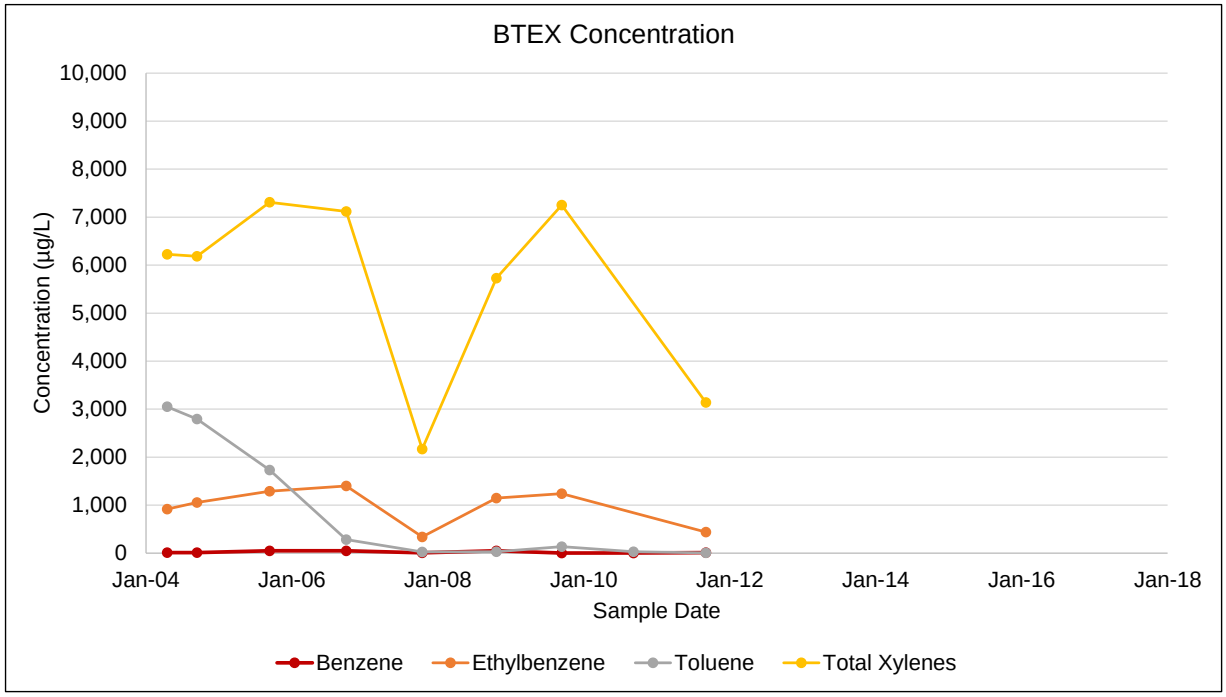


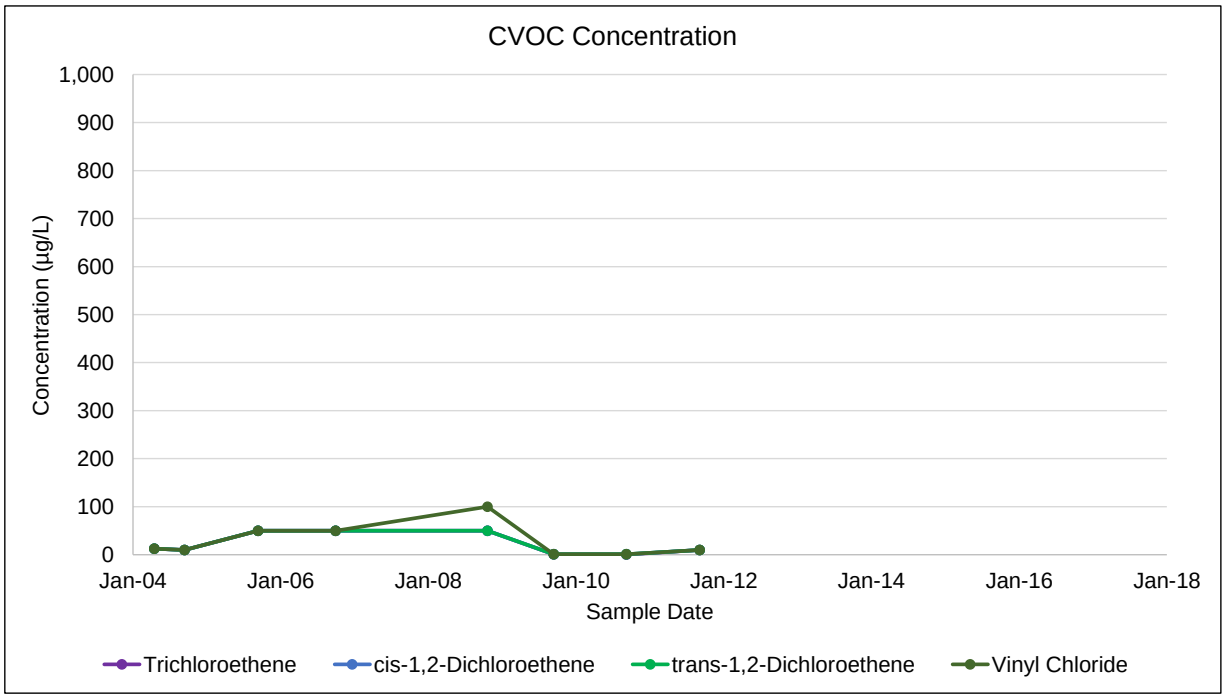


Notes:
µg/L: micrograms per liter
BTEX: benzene, toluene, ethylbenzene and total xylenes
CVOC: chlorinated volatile organic compound
Non-detect sample results are presented as half the reporting limit

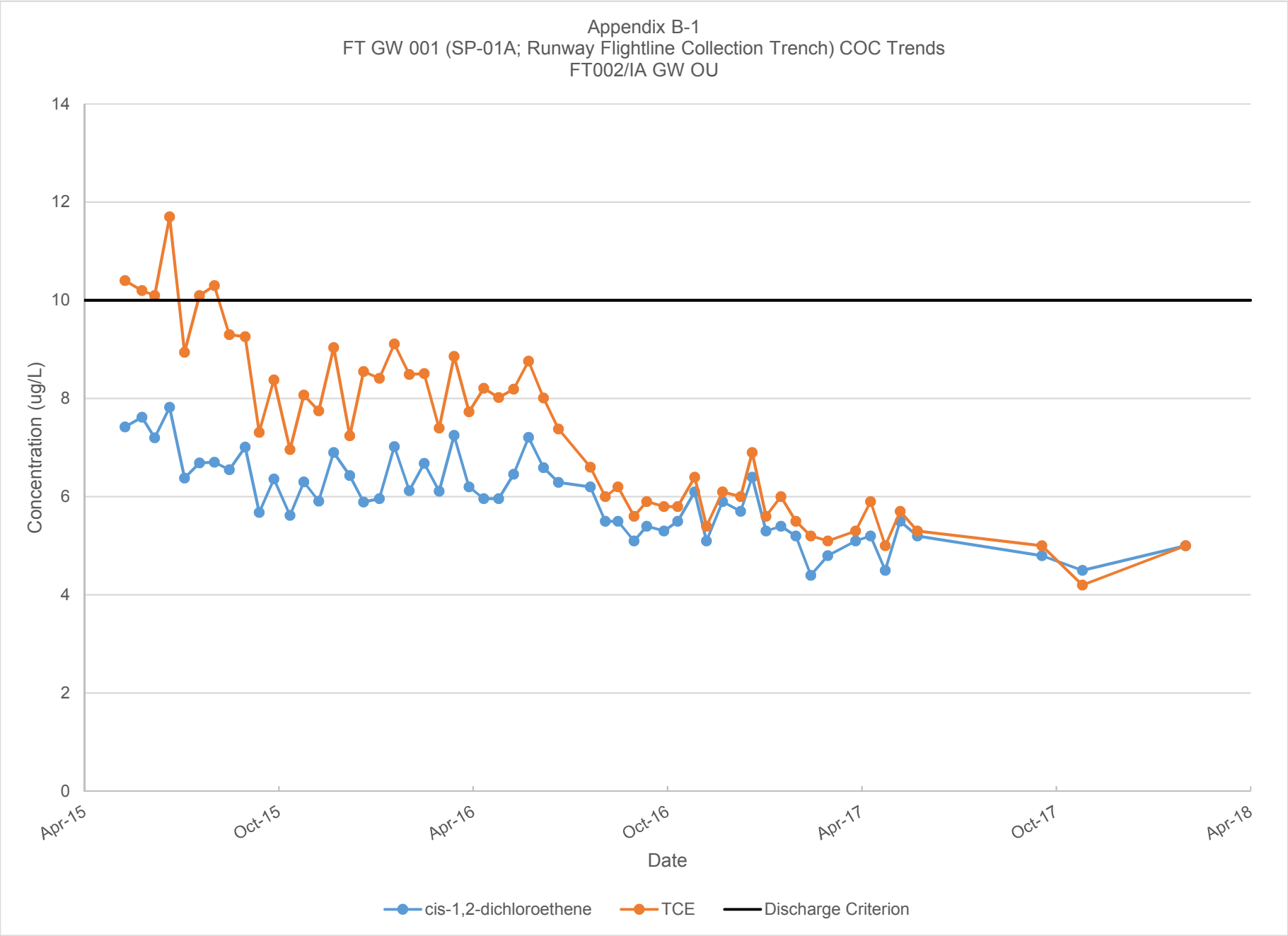
Former Plattsburgh Air Force Base
Plattsburgh, New York
FT002 - Industrial Area Groundwater Operable Unit

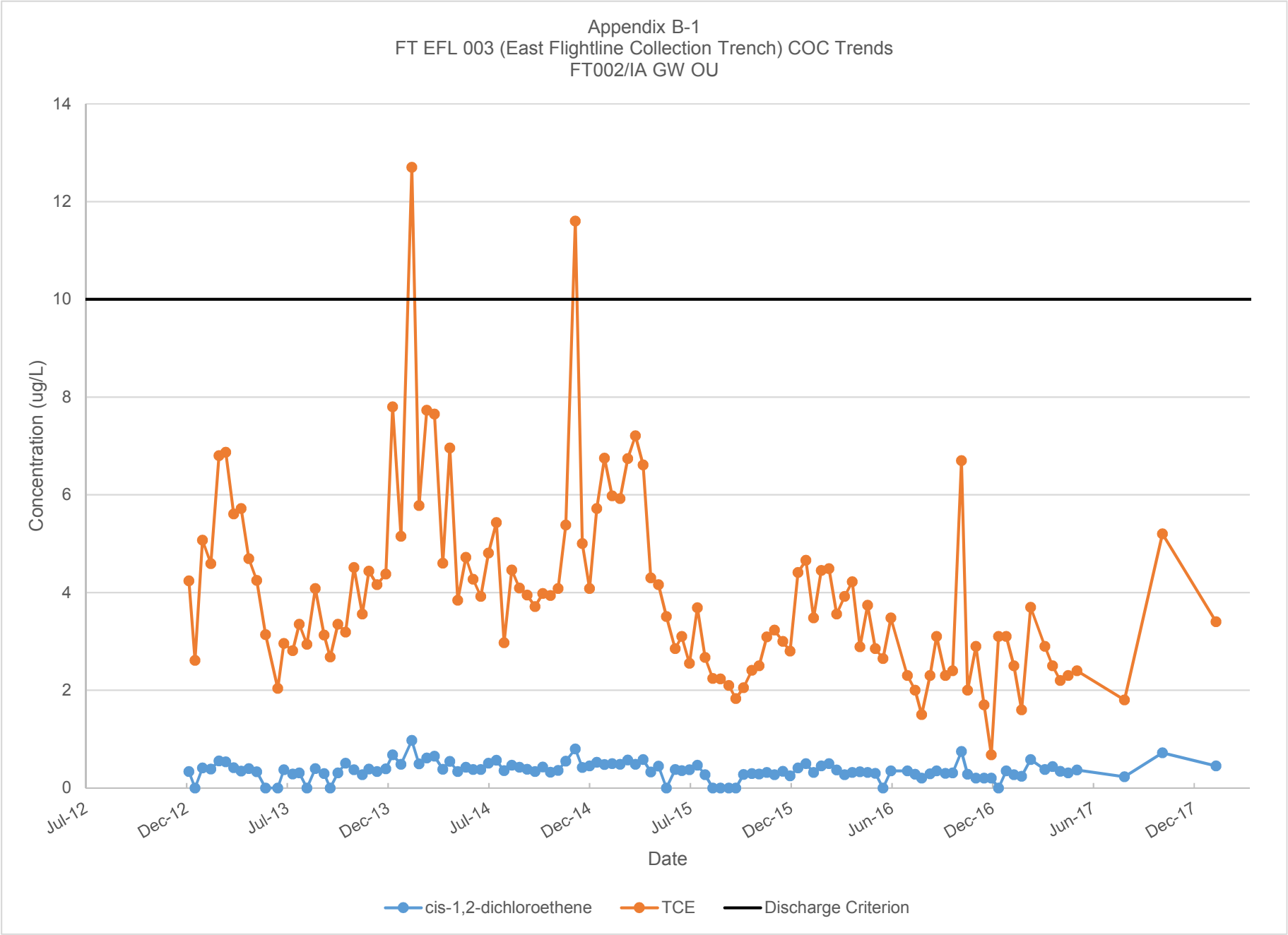
MW-PH3-G5

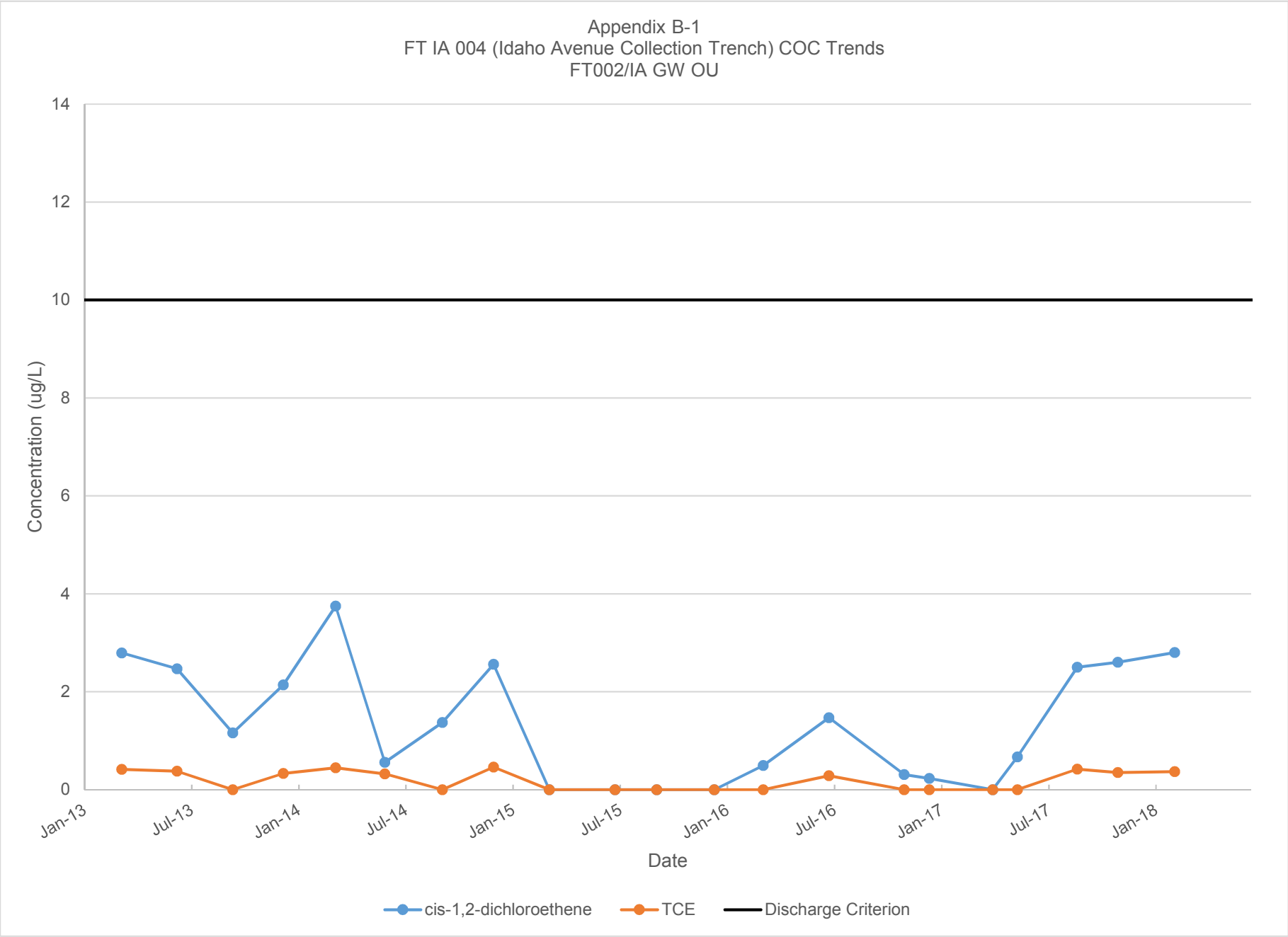




Notes:
µg/L: micrograms per liter
BTEX: benzene, toluene, ethylbenzene and total xylenes
CVOC: chlorinated volatile organic compound
Non-detect sample results are presented as half the reporting limit


Appendix B-1
FT GW 001 (SP-01A; Runway Flightline Collection Trench) COC Trends
FT002/IA GW OU
Concentration (ug/L)
14
12
10
8
6
4
2
0
Apr-15
Oct-15
Apr-16
Oct-16
Apr-17
Oct-17
Apr-18
Date
cis-1,2-dichloroethene
TCE
Discharge Criterion


Appendix B-1
FT EFL 003 (East Flightline Collection Trench) COC Trends
FT002/IA GW OU
Concentration (ug/L)
14
12
10
8
6
4
2
0
Jul-12
Dec-12
Jul-13
Dec-13
Jul-14
Dec-14
Jul-15
Dec-15
Jun-16
Dec-16
Jun-17
Dec-17
Date
cis-1,2-dichloroethene
TCE
Discharge Criterion


Appendix B-1
FT IA 004 (Idaho Avenue Collection Trench) COC Trends
FT002/IA GW OU
Concentration (ug/L)
14
12
10
8
6
4
2
0
Jan-13
Jul-13
Jan-14
Jul-14
Jan-15
Jul-15
Jan-16
Jul-16
Jan-17
Jul-17
Jan-18
Date
cis-1,2-dichloroethene
TCE
Discharge Criterion

APPENDIX B-2

Site SS013

Appendix B-2
Groundwater Analytical Data, Site SS013
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

	Location	MW-13-001	MW-13-001	MW-13-001	MW-13-001	MW-13-001	MW-13-001	MW-13-001	MW-13-001	MW-13-002	MW-13-002	MW-13-002	MW-13-002	MW-13-002	MW-13-002	MW-13-002	MW-13-002	MW-13-003	MW-13-003	MW-13-003	MW-13-003
	Sample Date	12/9/1987	1/7/1994	2/16/1994	10/3/1995	8/15/2002	9/23/2004	9/21/2005	10/12/2006	12/9/1987	9/18/1991	10/3/1995	8/15/2002	9/23/2004	9/23/2004	9/21/2005	10/12/2006	12/9/1987	1/7/1994	2/16/1994	10/3/1995
	Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N
Chemical	**Unit**																				
SVOCs																					
1,1-Biphenyl	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
1,2,4-Trimethylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
1,2-Dichloroethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
1,4-Dichlorobenzene	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
2,2-Oxybis(1-Chloropropane)	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
2,4,5-Trichlorophenol	ug/L	NA	< 25 U	< 25 U	NA	NA	NA	NA	NA	NA	< 50	NA	NA	NA	NA	NA	NA	NA	< 25 U	< 25 U	NA
2,4,6-Trichlorophenol	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
2,4-Dichlorophenol	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
2,4-Dimethylphenol	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
2,4-Dinitrophenol	ug/L	NA	< 25 U	< 25 U	NA	NA	NA	NA	NA	NA	< 50	NA	NA	NA	NA	NA	NA	NA	< 25 U	< 25 U	NA
2,4-Dinitrotoluene	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
2,6-Dinitrotoluene	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
2-Chloronaphthalene	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
2-Chlorophenol	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
2-Methyl-4,6-dinitrophenol	ug/L	NA	< 25 U	< 25 U	NA	NA	NA	NA	NA	NA	< 50	NA	NA	NA	NA	NA	NA	NA	< 25 U	< 25 U	NA
2-Methylnaphthalene	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
2-Methylphenol	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
2-Nitroaniline	ug/L	NA	< 25 U	< 25 U	NA	NA	NA	NA	NA	NA	< 50	NA	NA	NA	NA	NA	NA	NA	< 25 U	< 25 U	NA
2-Nitrophenol	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
3,3-Dichlorobenzidine	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 20	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
3-Nitroaniline	ug/L	NA	< 25 U	< 25 U	NA	NA	NA	NA	NA	NA	< 50	NA	NA	NA	NA	NA	NA	NA	< 25 U	< 25 U	NA
4-Bromophenyl phenyl ether	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
4-Chloro-3-Methylphenol	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
4-Chlorophenyl phenyl ether	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
4-Methylphenol	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
4-Nitroaniline	ug/L	NA	< 25 U	< 25 U	NA	NA	NA	NA	NA	NA	< 50	NA	NA	NA	NA	NA	NA	NA	< 25 U	< 25 U	NA
4-Nitrophenol	ug/L	NA	< 25 U	< 25 U	NA	NA	NA	NA	NA	NA	< 50	NA	NA	NA	NA	NA	NA	NA	< 25 U	< 25 U	NA
Acenaphthene	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
Acenaphthylene	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
Acetophenone	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
Atrazine	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Azobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzaldehyde	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzidine	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
Benzo(a)pyrene	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
Benzo(b)fluoranthene	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
Benzo(g,h,i)perylene	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
Benzo(k)fluoranthene	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
Benzoic Acid	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzyl Alcohol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
bis(2-Chloroethyl)ether	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
bis(2-Chloroisopropyl)ether	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	ug/L	NA	< 10 U	< 10 U*	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
Butyl benzyl phthalate	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
Caprolactam	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
Chrysene	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
Dibenzo(a,h)anthracene	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
Dibenzofuran	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
Dichloromethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethyl phthalate	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
Dimethyl phthalate	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
Di-n-butyl phthalate	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
Di-n-octyl phthalate	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
Diphenylamine	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
Fluorene	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
Hexachloro-1,3-butadiene	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
Hexachlorobenzene	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
Hexachlorocyclopentadiene	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
Hexachloroethane	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
Indeno(1,2,3-cd)pyrene	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA

Appendix B-2
Groundwater Analytical Data, Site SS013
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

	Location	MW-13-001	MW-13-001	MW-13-001	MW-13-001	MW-13-001	MW-13-001	MW-13-001	MW-13-001	MW-13-002	MW-13-002	MW-13-002	MW-13-002	MW-13-002	MW-13-002	MW-13-002	MW-13-002	MW-13-003	MW-13-003	MW-13-003	MW-13-003
	Sample Date	12/9/1987	1/7/1994	2/16/1994	10/3/1995	8/15/2002	9/23/2004	9/21/2005	10/12/2006	12/9/1987	9/18/1991	10/3/1995	8/15/2002	9/23/2004	9/23/2004	9/21/2005	10/12/2006	12/9/1987	1/7/1994	2/16/1994	10/3/1995
	Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N
Chemical	**Unit**																				
Isophorone	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
Naphthalene	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
Nitrobenzene	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
N-Nitrosodi-n-propylamine	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
N-Nitrosodiphenylamine	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
N-Nitroso-N-methylethylamine	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Chloroaniline	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
Pentachlorophenol	ug/L	NA	< 25 U	< 25 U	NA	NA	NA	NA	NA	NA	< 50	NA	NA	NA	NA	NA	NA	NA	< 25 U	< 25 U	NA
Phenanthrene	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
Phenol	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
Pyrene	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA
Toluene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Xylenes	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs																					
1,1,1,2-Tetrachloroethane	ug/L	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	ug/L	NA	< 10 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 1	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 10 U	< 0.5 U	< 0.5 U
1,1,2,2-Tetrachloroethane	ug/L	NA	< 10 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 1	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 10 U	< 0.5 U	< 0.5 U
1,1,2-trichloro-1,2,2-trifluoroethane	ug/L	NA	NA	NA	NA	< 0.5 U	< 0.5 U	< 0.5 U	R	NA	NA	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	R	NA	NA	NA	NA
1,1,2-Trichloroethane	ug/L	NA	< 10 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 1	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 10 U	< 0.5 U	< 0.5 U
1,1-Dichloroethane	ug/L	NA	< 10 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 1	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 10 U	< 0.5 U	< 0.5 U
1,1-Dichloroethene	ug/L	NA	< 10 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 1	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 10 U	< 0.5 U	< 0.5 U
1,1-Dichloropropene	ug/L	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	ug/L	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	ug/L	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	ug/L	NA	NA	NA	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	NA	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	NA	NA	NA
1,2,4-Trimethylbenzene	ug/L	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	ug/L	NA	NA	NA	NA	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	NA
1,2-Dibromoethane	ug/L	NA	NA	NA	NA	< 1 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	NA	NA	< 1 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	NA	NA	NA
1,2-Dichlorobenzene	ug/L	NA	NA	NA	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	NA	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	NA	NA	NA
1,2-Dichloroethane	ug/L	NA	< 10 U	**2.2**	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 1	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 10 U	**2.1**	< 0.5 U
1,2-Dichloroethene, Total	ug/L	< 5	< 10 U	< 0.5 U	**0.8**	NA	NA	NA	NA	< 5	< 1	< 0.5 U	NA	NA	NA	NA	NA	< 5	< 10 U	< 0.5 U	< 0.5 U
1,2-Dichloropropane	ug/L	< 5	< 10 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5	< 1	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5	< 10 U	< 0.5 U	< 0.5 U
1,3,5-Trimethylbenzene	ug/L	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	ug/L	NA	NA	NA	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	NA	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	NA	NA	NA
1,3-Dichloropropane	ug/L	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	ug/L	NA	NA	NA	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	NA	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	NA	NA	NA
1-Chlorohexane	ug/L	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA
2,2-Dichloropropane	ug/L	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	ug/L	< 10	< 10 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 10	NA	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	**59**	< 10 U	< 5 U	< 5 U
2-Chlorotoluene	ug/L	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorotoluene	ug/L	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	ug/L	< 10	< 10 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 10	< 2	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 10	< 10 U	< 5 U	< 5 U
Acetone	ug/L	< 10	< 10 U	**34**	< 5 U	< 10 U	< 5 U	< 5 U	< 5 U	< 10	< 2	< 5 U	< 10 U	< 5 U	< 5 U	< 5 U	< 5 U	< 10	< 10 U	< 5 U	< 5 U
Benzene	ug/L	< 5	< 10 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5	< 1	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5	< 10 U	< 0.5 U	< 0.5 U
Bromobenzene	ug/L	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA
Bromochloromethane	ug/L	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	ug/L	< 5	< 10 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5	< 1	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5	< 10 U	< 0.5 U	< 0.5 U
Bromoform	ug/L	NA	< 10 U	< 0.5 U	< 0.5 U	< 1 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 1	< 0.5 U	< 1 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 10 U	< 0.5 U	< 0.5 U
Bromomethane	ug/L	NA	< 10 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 2	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 10 U	< 0.5 U	< 0.5 U
Carbon Disulfide	ug/L	NA	< 10 U	< 0.5 U	< 0.5 U	< 5 U	< 0.5 U	< 0.5 U	R	NA	< 1	< 0.5 U	< 5 U	< 0.5 U	< 0.5 U	< 0.5 U	R	NA	< 10 U	< 0.5 U	< 0.5 U
Carbon Tetrachloride	ug/L	NA	< 10 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 1	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 10 U	< 0.5 U	< 0.5 U
CFC-11	ug/L	NA	NA	NA	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	NA	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	NA	NA	NA
CFC-12	ug/L	NA	NA	NA	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	NA	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	NA	NA	NA
Chlorobenzene	ug/L	< 5	< 10 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5	< 1	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5	< 10 U	< 0.5 U	< 0.5 U
Chlorodibromomethane	ug/L	NA	< 10 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 1	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 10 U	< 0.5 U	< 0.5 U
Chloroethane	ug/L	NA	< 10 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	R	NA	< 2	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	R	NA	< 10 U	< 0.5 U	< 0.5 U
Chloroform	ug/L	< 5	< 10 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5	< 1	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5	< 10 U	< 0.5 U	< 0.5 U
Chloromethane	ug/L	NA	< 10 U	**3.7**	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 2	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 10 U	**2.8**	< 0.5 U
cis-1,2-Dichloroethene	ug/L	NA	NA	NA	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	NA	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	NA	NA	NA
cis-1,3-Dichloropropene	ug/L	NA	< 10 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 1	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 10 U	< 0.5 U	< 0.5 U
Cyclohexane	ug/L	NA	NA	NA	NA	< 0.5 U	< 0.5 U	< 0.5 U	R	NA	NA	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	R	NA	NA	NA	NA
Cymene (p-Isopropyltoluene)	ug/L	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA
Dibromomethane	ug/L	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA
Dichloromethane	ug/L	< 5	< 10 U*	< 0.5 U	< 0.5 U	< 1 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5	**1**	< 0.5 U	< 1 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	**1.7**	< 10 U*	< 0.5 U	< 0.5 U
Ethylbenzene	ug/L	< 5	< 10 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5	< 1	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5	< 10 U	< 0.5 U	< 0.5 U
Hexachloro-1,3-butadiene	ug/L	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	ug/L	NA	NA	NA	NA	< 1 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	NA	NA	< 1 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	NA	NA	NA
m&p-Xylenes	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	ug/L	NA	NA	NA	NA	< 5 U	< 5 U	< 5 U	< 3 U	NA	NA	NA	< 5 U	< 5 U	< 5 U	< 5 U	< 3 U	NA	NA	NA	NA
Methyl N-Butyl Ketone (2-Hexanone)	ug/L	< 10	< 10 U	< 5 U	< 5 U	< 5 U	< 5 UM	< 5 U	< 5 U	< 10	NA	< 5 U	< 5 U	< 5 UM	< 5 UM	< 5 U	< 5 U	< 10	< 10 U	< 5 U	< 5 U

Appendix B-2
Groundwater Analytical Data, Site SS013
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

	Location	MW-13-001	MW-13-001	MW-13-001	MW-13-001	MW-13-001	MW-13-001	MW-13-001	MW-13-001	MW-13-002	MW-13-002	MW-13-002	MW-13-002	MW-13-002	MW-13-002	MW-13-002	MW-13-002	MW-13-003	MW-13-003	MW-13-003	MW-13-003
	Sample Date	12/9/1987	1/7/1994	2/16/1994	10/3/1995	8/15/2002	9/23/2004	9/21/2005	10/12/2006	12/9/1987	9/18/1991	10/3/1995	8/15/2002	9/23/2004	9/23/2004	9/21/2005	10/12/2006	12/9/1987	1/7/1994	2/16/1994	10/3/1995
	Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N
Chemical	**Unit**																				
Methylcyclohexane	ug/L	NA	NA	NA	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	NA	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	NA	NA	NA
Methyl-tert-butylether	ug/L	NA	NA	NA	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	NA	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	NA	NA	NA
Naphthalene	ug/L	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA
n-Butylbenzene	ug/L	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	ug/L	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	ug/L	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	ug/L	NA	< 10 U	< 0.5 U	< 0.5 U	< 1 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 1	< 0.5 U	< 1 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 10 U	< 0.5 U	< 0.5 U
tert-Butylbenzene	ug/L	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	ug/L	< 5	< 10 U	< 0.5 U	< 0.5 U	< 1 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5	< 1	< 0.5 U	< 1 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5	< 10 U	< 0.5 U	< 0.5 U
Toluene	ug/L	< 5	< 10 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5	< 1	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5	< 10 U	< 0.5 U	< 0.5 U
Total Xylenes	ug/L	< 5	< 10 U	< 0.5 U	< 0.5 U	< 0.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 5	< 1	< 0.5 U	< 0.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 5	< 10 U	< 0.5 U	< 0.5 U
trans-1,2-Dichloroethene	ug/L	NA	NA	NA	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	NA	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	NA	NA	NA
trans-1,3-Dichloropropene	ug/L	NA	< 10 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 1	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 10 U	< 0.5 U	< 0.5 U
Trichloroethene	ug/L	< 5	< 10 U	< 0.5 U	**18**	**6.5**	**3.3**	**1.69**	**1.36**	< 5	< 1	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5	< 10 U	< 0.5 U	< 0.5 U
Vinyl chloride	ug/L	< 10	< 10 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 10	< 2	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 10	< 10 U	< 0.5 U	< 0.5 U

Appendix B-2
Groundwater Analytical Data, Site SS013
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

	Location	MW-13-004	MW-13-004	MW-13-004	MW-13-004	MW-13-005	MW-13-005	MW-13-005	MW-13-005	MW-13-006	MW-13-006	MW-13-006	MW-13-007	MW-13-007	MW-13-007	MW-13-007	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008
	Sample Date	12/9/1987	1/7/1994	2/16/1994	10/3/1995	12/9/1987	10/5/1995	8/27/2002	8/27/2002	1/6/1994	2/16/1994	10/3/1995	1/6/1994	1/6/1994	2/16/1994	10/3/1995	1/6/1994	2/16/1994	10/3/1995	8/15/2002	3/20/2003
	Sample Type	N	N	N	N	N	N	N	FD	N	N	N	N	FR	N	N	N	N	N	N	N
Chemical	**Unit**																				
SVOCs																					
1,1-Biphenyl	ug/L	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**20.1**	NA
1,2,4-Trichlorobenzene	ug/L	NA	< 10 U	< 10 U	NA	< 20	NA	NA	NA	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	< 10 U	< 10 U	NA	NA	NA
1,2,4-Trimethylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	ug/L	NA	< 10 U	< 10 U	NA	< 20	NA	NA	NA	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	< 10 U	< 10 U	NA	NA	NA
1,2-Dichloroethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	ug/L	NA	< 10 U	< 10 U	NA	< 20	NA	NA	NA	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	< 10 U	< 10 U	NA	NA	NA
1,4-Dichlorobenzene	ug/L	NA	< 10 U	< 10 U	NA	< 20	NA	NA	NA	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	< 10 U	< 10 U	NA	NA	NA
2,2-Oxybis(1-Chloropropane)	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	< 10 U	< 10 U	NA	NA	NA
2,4,5-Trichlorophenol	ug/L	NA	< 25 U	< 25 U	NA	NA	NA	< 25 U	< 25 U	NA	< 25 U	NA	< 25 U	< 25 U	< 25 U	NA	< 25 U	< 25 U	NA	< 25 U	NA
2,4,6-Trichlorophenol	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	< 10 U	< 10 U	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	< 10 U	< 10 U	NA	< 10 U	NA
2,4-Dichlorophenol	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	< 10 U	< 10 U	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	< 10 U	< 10 U	NA	< 10 U	NA
2,4-Dimethylphenol	ug/L	NA	< 10 U	< 10 U	NA	< 20	NA	R	R	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	< 10 U	**430 D**	NA	**197 J**	NA
2,4-Dinitrophenol	ug/L	NA	< 25 U	< 25 U	NA	NA	NA	< 25 U	< 25 U	NA	< 25 U	NA	< 25 U	< 25 U	< 25 U	NA	< 25 U	< 25 U	NA	< 25 U	NA
2,4-Dinitrotoluene	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	< 10 U	< 10 U	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	< 10 U	< 10 U	NA	< 10 U	NA
2,6-Dinitrotoluene	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	< 10 U	< 10 U	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	< 10 U	< 10 U	NA	< 10 U	NA
2-Chloronaphthalene	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	< 10 U	< 10 U	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	< 10 U	< 10 U	NA	< 10 U	NA
2-Chlorophenol	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	< 10 U	< 10 U	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	< 10 U	< 10 U	NA	< 10 U	NA
2-Methyl-4,6-dinitrophenol	ug/L	NA	< 25 U	< 25 U	NA	NA	NA	< 25 U	< 25 U	NA	< 25 U	NA	< 25 U	< 25 U	< 25 U	NA	< 25 U	< 25 U	NA	< 25 U	NA
2-Methylnaphthalene	ug/L	NA	< 10 U	< 10 U	NA	< 20	NA	< 10 U	< 10 U	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	< 10 U	**72**	NA	**307 J**	NA
2-Methylphenol	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	< 10 U	< 10 U	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	< 10 U	< 10 U	NA	< 10 U	NA
2-Nitroaniline	ug/L	NA	< 25 U	< 25 U	NA	NA	NA	< 25 U	< 25 U	NA	< 25 U	NA	< 25 U	< 25 U	< 25 U	NA	< 25 U	< 25 U	NA	< 25 U	NA
2-Nitrophenol	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	< 15 U	< 15 U	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	< 10 U	< 10 U	NA	< 15 U	NA
3,3-Dichlorobenzidine	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	< 20 U	< 20 U	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	< 10 U	< 10 U	NA	< 20 U	NA
3-Nitroaniline	ug/L	NA	< 25 U	< 25 U	NA	NA	NA	< 25 U	< 25 U	NA	< 25 U	NA	< 25 U	< 25 U	< 25 U	NA	< 25 U	< 25 U	NA	< 25 U	NA
4-Bromophenyl phenyl ether	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	< 10 U	< 10 U	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	< 10 U	< 10 U	NA	< 10 U	NA
4-Chloro-3-Methylphenol	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	< 10 U	< 10 U	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	**330 D**	< 10 U	NA	< 10 U	NA
4-Chlorophenyl phenyl ether	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	< 10 U	< 10 U	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	< 10 U	< 10 U	NA	< 10 U	NA
4-Methylphenol	ug/L	NA	< 10 U	< 10 U	NA	< 20	NA	< 10 U	< 10 U	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	< 10 U	< 10 U	NA	< 10 U	NA
4-Nitroaniline	ug/L	NA	< 25 U	< 25 U	NA	NA	NA	< 25 U	< 25 U	NA	< 25 U	NA	< 25 U	< 25 U	< 25 U	NA	< 25 U	< 25 U	NA	< 25 U	NA
4-Nitrophenol	ug/L	NA	< 25 U	< 25 U	NA	NA	NA	< 25 U	< 25 U	NA	< 25 U	NA	< 25 U	< 25 U	< 25 U	NA	< 25 U	< 25 U	NA	< 25 U	NA
Acenaphthene	ug/L	NA	< 10 U	< 10 U	NA	< 20	NA	< 10 U	< 10 U	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	**120 D**	**77**	NA	**106 J**	NA
Acenaphthylene	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	< 10 U	< 10 U	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	< 10 U	**2 J**	NA	< 10 U	NA
Acetophenone	ug/L	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10 U	NA
Anthracene	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	< 10 U	< 10 U	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	< 10 U	< 10 U	NA	**2.67 F**	NA
Atrazine	ug/L	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10 U	NA
Azobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzaldehyde	ug/L	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10 U	NA
Benzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzidine	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	ug/L	NA	< 10 U	< 10 U	NA	< 20	NA	< 10 U	< 10 U	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	< 10 U	< 10 U	NA	< 10 U	NA
Benzo(a)pyrene	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	< 10 U	< 10 U	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	< 10 U	< 10 U	NA	< 10 U	NA
Benzo(b)fluoranthene	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	< 10 U	< 10 U	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	< 10 U	< 10 U	NA	< 10 U	NA
Benzo(g,h,i)perylene	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	< 10 U	< 10 U	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	< 10 U	< 10 U	NA	< 10 U	NA
Benzo(k)fluoranthene	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	< 10 U	< 10 U	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	< 10 U	< 10 U	NA	< 10 U	NA
Benzoic Acid	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzyl Alcohol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	< 10 U	< 10 U	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	< 10 U	< 10 U	NA	< 10 U	NA
bis(2-Chloroethyl)ether	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	< 10 U	< 10 U	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	< 10 U	< 10 U	NA	< 10 U	NA
bis(2-Chloroisopropyl)ether	ug/L	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10 U	NA
bis(2-Ethylhexyl)phthalate	ug/L	NA	< 10 U	< 10 U*	NA	**3.8**	NA	< 15 U	< 15 U	NA	< 10 U*	NA	< 10 U	< 10 U	< 10 U*	NA	< 10 U	< 10 U*	NA	< 15 U	NA
Butyl benzyl phthalate	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	< 15 U	< 15 U	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	< 10 U	< 10 U	NA	< 15 U	NA
Caprolactam	ug/L	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10 U	NA
Carbazole	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	< 20 U	< 20 U	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	**53**	**39**	NA	**60**	NA
Chrysene	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	< 10 U	< 10 U	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	< 10 U	< 10 U	NA	< 10 U	NA
Dibenzo(a,h)anthracene	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	< 10 U	< 10 U	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	< 10 U	< 10 U	NA	< 10 U	NA
Dibenzofuran	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	< 10 U	< 10 U	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	**33**	**32**	NA	**44.6**	NA
Dichloromethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethyl phthalate	ug/L	NA	< 10 U	< 10 U	NA	< 20	NA	< 10 U	< 10 U	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	< 10 U	< 10 U	NA	< 10 U	NA
Dimethyl phthalate	ug/L	NA	< 10 U	< 10 U	NA	< 20	NA	< 10 U	< 10 U	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	< 10 U	< 10 U	NA	< 10 U	NA
Di-n-butyl phthalate	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	< 10 U	< 10 U	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	< 10 U	< 10 U	NA	< 10 U	NA
Di-n-octyl phthalate	ug/L	NA	< 10 U	< 10 U	NA	< 20	NA	< 15 U	< 15 U	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	< 10 U	< 10 U	NA	< 15 U	NA
Diphenylamine	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	ug/L	NA	< 10 U	< 10 U	NA	< 20	NA	< 10 U	< 10 U	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	< 10 U	< 10 U	NA	< 10 U	NA
Fluorene	ug/L	NA	< 10 U	< 10 U	NA	< 20	NA	< 10 U	< 10 U	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	**22**	**22**	NA	**31.3**	NA
Hexachloro-1,3-butadiene	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	< 10 U	< 10 U	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	< 10 U	< 10 U	NA	< 10 U	NA
Hexachlorobenzene	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	< 10 U	< 10 U	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	< 10 U	< 10 U	NA	< 10 U	NA
Hexachlorocyclopentadiene	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	< 10 UM	< 10 UM	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	< 10 U	< 10 U	NA	< 10 UM	NA
Hexachloroethane	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	< 10 U	< 10 U	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	< 10 U	< 10 U	NA	< 10 U	NA
Indeno(1,2,3-cd)pyrene	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	< 10 U	< 10 U	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	< 10 U	< 10 U	NA	< 10 U	NA

Appendix B-2
Groundwater Analytical Data, Site SS013
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

Location		MW-13-004	MW-13-004	MW-13-004	MW-13-004	MW-13-005	MW-13-005	MW-13-005	MW-13-005	MW-13-006	MW-13-006	MW-13-006	MW-13-007	MW-13-007	MW-13-007	MW-13-007	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008
Sample Date		12/9/1987	1/7/1994	2/16/1994	10/3/1995	12/9/1987	10/5/1995	8/27/2002	8/27/2002	1/6/1994	2/16/1994	10/3/1995	1/6/1994	1/6/1994	2/16/1994	10/3/1995	1/6/1994	2/16/1994	10/3/1995	8/15/2002	3/20/2003
Sample Type		N	N	N	N	N	N	N	FD	N	N	N	N	FR	N	N	N	N	N	N	N
Chemical	**Unit**																				
Isophorone	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	< 10 U	< 10 U	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	< 10 U	< 10 U	NA	< 10 U	NA
Naphthalene	ug/L	NA	**5 J**	< 10 U	NA	< 20	NA	< 10 U	< 10 U	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	**2700 D**	**860 D**	NA	**2991**	NA
Nitrobenzene	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	< 10 U	< 10 U	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	< 10 U	< 10 U	NA	< 10 U	NA
N-Nitrosodi-n-propylamine	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	< 10 U	< 10 U	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	< 10 U	< 10 U	NA	< 10 U	NA
N-Nitrosodiphenylamine	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	< 10 U	< 10 U	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	< 10 U	< 10 U	NA	< 10 U	NA
N-Nitroso-N-methylethylamine	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Chloroaniline	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	< 25 U	< 25 U	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	< 10 U	< 10 U	NA	< 25 U	NA
Pentachlorophenol	ug/L	NA	< 25 U	< 25 U	NA	NA	NA	< 25 U	< 25 U	NA	< 25 U	NA	< 25 U	< 25 U	< 25 U	NA	< 25 U	< 25 U	NA	< 25 U	NA
Phenanthrene	ug/L	NA	< 10 U	< 10 U	NA	< 20	NA	< 10 U	< 10 U	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	< 10 U	**5 J**	NA	**12.3**	NA
Phenol	ug/L	NA	< 10 U	< 10 U	NA	NA	NA	< 10 U	< 10 U	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	< 10 U	< 10 U	NA	< 10 U	NA
Pyrene	ug/L	NA	< 10 U	< 10 U	NA	< 20	NA	< 10 U	< 10 U	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	NA	< 10 U	< 10 U	NA	< 10 U	NA
Toluene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Xylenes	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs																					
1,1,1,2-Tetrachloroethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 25 U
1,1,1-Trichloroethane	ug/L	NA	< 10 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 10 U	< 0.5 U	< 0.5 U	< 10 U	< 10 U	< 0.5 U	< 0.5 U	< 10 U	< 10 U	< 0.5 U	< 10 U	< 25 U
1,1,2,2-Tetrachloroethane	ug/L	NA	< 10 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 10 U	< 0.5 U	< 0.5 U	< 10 U	< 10 U	< 0.5 U	< 0.5 U	< 10 U	< 10 U	< 0.5 U	< 10 U	< 25 U
1,1,2-trichloro-1,2,2-trifluoroethane	ug/L	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 25 U
1,1,2-Trichloroethane	ug/L	NA	< 10 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 10 U	< 0.5 U	< 0.5 U	< 10 U	< 10 U	< 0.5 U	< 0.5 U	< 10 U	< 10 U	< 0.5 U	< 10 U	< 25 U
1,1-Dichloroethane	ug/L	NA	< 10 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 10 U	< 0.5 U	< 0.5 U	< 10 U	< 10 U	< 0.5 U	< 0.5 U	< 10 U	< 10 U	< 0.5 U	< 10 U	< 25 U
1,1-Dichloroethene	ug/L	NA	< 10 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 10 U	< 0.5 U	< 0.5 U	< 10 U	< 10 U	< 0.5 U	< 0.5 U	< 10 U	< 10 U	< 0.5 U	< 10 U	< 25 U
1,1-Dichloropropene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 50 U
1,2,3-Trichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 25 U
1,2,3-Trichloropropane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 25 U
1,2,4-Trichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 25 U
1,2,4-Trimethylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**15.85 F**
1,2-Dibromo-3-chloropropane	ug/L	NA	NA	NA	NA	NA	NA	< 1 U	< 1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20 U	< 50 U
1,2-Dibromoethane	ug/L	NA	NA	NA	NA	NA	NA	< 1 U	< 1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20 U	< 25 U
1,2-Dichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 25 U
1,2-Dichloroethane	ug/L	NA	< 10 U	**3.8**	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	**3 J**	**2.2**	< 0.5 U	**3 J**	**3 J**	**2.5**	< 0.5 U	**4 J**	< 10 U	< 0.5 U	< 10 U	< 25 U
1,2-Dichloroethene, Total	ug/L	< 5	< 10 U	< 0.5 U	< 0.5 U	< 5	< 0.5 U	NA	NA	< 10 U	< 0.5 U	< 0.5 U	< 10 U	< 10 U	< 0.5 U	< 0.5 U	< 10 U	**1 J**	**2.2**	NA	NA
1,2-Dichloropropane	ug/L	< 5	< 10 U	< 0.5 U	< 0.5 U	< 5	< 0.5 U	< 0.5 U	< 0.5 U	< 10 U	< 0.5 U	< 0.5 U	< 10 U	< 10 U	< 0.5 U	< 0.5 U	< 10 U	< 10 U	< 0.5 U	< 10 U	< 25 U
1,3,5-Trimethylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**16.1 F**
1,3-Dichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 25 U
1,3-Dichloropropane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 25 U
1,4-Dichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 25 U
1-Chlorohexane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 25 U
2,2-Dichloropropane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 25 U
2-Butanone (MEK)	ug/L	**170**	< 10 U	< 5 U	< 5 U	< 10	< 5 U	< 5 U	< 5 U	< 10 U	< 5 U	< 5 U	< 10 U	< 10 U	< 5 U	< 5 U	< 10 U	< 10 U	< 5 U	< 100 U	< 250 U
2-Chlorotoluene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 25 U
4-Chlorotoluene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 25 U
4-Methyl-2-Pentanone	ug/L	< 10	< 10 U	< 5 U	< 5 U	< 10	< 5 U	< 5 U	< 5 U	< 10 U	< 5 U	< 5 U	< 10 U	< 10 U	< 5 U	< 5 U	< 10 U	< 10 U	< 5 U	< 100 U	< 250 U
Acetone	ug/L	< 10	< 10 U	< 5 U	< 5 U	< 10	< 5 U	< 10 U	< 10 U	< 10 U	**6.8**	< 5 U	< 10 U	< 10 U	**19**	< 5 U	< 10 U	< 10 U	< 5 U	< 200 U	< 500 U
Benzene	ug/L	< 5	< 10 U	< 0.5 U	< 0.5 U	< 5	< 0.5 U	< 0.5 U	< 0.5 U	< 10 U	< 0.5 U	< 0.5 U	< 10 U	< 10 U	< 0.5 U	< 0.5 U	< 10 U	< 10 U	**4.1**	**3.62 F**	< 25 U
Bromobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 25 U
Bromochloromethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 25 U
Bromodichloromethane	ug/L	< 5	< 10 U	< 0.5 U	< 0.5 U	< 5	< 0.5 U	< 0.5 U	< 0.5 U	< 10 U	< 0.5 U	< 0.5 U	< 10 U	< 10 U	< 0.5 U	< 0.5 U	< 10 U	< 10 U	< 0.5 U	< 10 U	< 25 U
Bromoform	ug/L	NA	< 10 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 1 U	< 1 U	< 10 U	< 0.5 U	< 0.5 U	< 10 U	< 10 U	< 0.5 U	< 0.5 U	< 10 U	< 10 U	< 0.5 U	< 20 U	< 25 U
Bromomethane	ug/L	NA	< 10 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 10 U	< 0.5 U	< 0.5 U	< 10 U	< 10 U	< 0.5 U	< 0.5 U	< 10 U	< 10 U	< 0.5 U	< 10 U	< 25 U
Carbon Disulfide	ug/L	NA	< 10 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 5 U	< 5 U	< 10 U	< 0.5 U	< 0.5 U	< 10 U	< 10 U	< 0.5 U	< 0.5 U	< 10 U	< 10 U	< 0.5 U	< 100 U	< 25 U
Carbon Tetrachloride	ug/L	NA	< 10 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 10 U	< 0.5 U	< 0.5 U	< 10 U	< 10 U	< 0.5 U	< 0.5 U	< 10 U	< 10 U	< 0.5 U	< 10 U	< 25 U
CFC-11	ug/L	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 25 U
CFC-12	ug/L	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 25 U
Chlorobenzene	ug/L	< 5	< 10 U	< 0.5 U	< 0.5 U	< 5	< 0.5 U	< 0.5 U	< 0.5 U	< 10 U	< 0.5 U	< 0.5 U	< 10 U	< 10 U	< 0.5 U	< 0.5 U	< 10 U	< 10 U	< 0.5 U	< 10 U	< 25 U
Chlorodibromomethane	ug/L	NA	< 10 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 10 U	< 0.5 U	< 0.5 U	< 10 U	< 10 U	< 0.5 U	< 0.5 U	< 10 U	< 10 U	< 0.5 U	< 10 U	< 25 U
Chloroethane	ug/L	NA	< 10 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 10 U	< 0.5 U	< 0.5 U	< 10 U	< 10 U	< 0.5 U	< 0.5 U	< 10 U	< 10 U	< 0.5 U	< 10 U	< 25 U
Chloroform	ug/L	< 5	< 10 U	< 0.5 U	< 0.5 U	< 5	< 0.5 U	< 0.5 U	< 0.5 U	< 10 U	< 0.5 U	< 0.5 U	< 10 U	< 10 U	< 0.5 U	< 0.5 U	< 10 U	< 10 U	< 0.5 U	< 10 U	< 25 U
Chloromethane	ug/L	NA	< 10 U	**5.2**	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	**6 J**	**1.7**	< 0.5 U	**7 J**	**5 J**	**1.4**	< 0.5 U	**9 J**	< 10 U	< 0.5 U	< 10 U	< 25 U
cis-1,2-Dichloroethene	ug/L	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 25 U
cis-1,3-Dichloropropene	ug/L	NA	< 10 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 10 U	< 0.5 U	< 0.5 U	< 10 U	< 10 U	< 0.5 U	< 0.5 U	< 10 U	< 10 U	< 0.5 U	< 10 U	< 25 U
Cyclohexane	ug/L	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 25 U
Cymene (p-Isopropyltoluene)	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 25 U
Dibromomethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 25 U
Dichloromethane	ug/L	**6.3**	< 10 U*	< 0.5 U	< 0.5 U	< 5	< 0.5 U	< 1 U	< 1 U	< 10 U*	< 0.5 U	< 0.5 U	< 10 U*	< 10 U*	< 0.5 U	< 0.5 U	< 10 U*	< 10 U	< 0.5 U	< 20 U	< 25 U
Ethylbenzene	ug/L	< 5	< 10 U	< 0.5 U	< 0.5 U	< 5	< 0.5 U	< 0.5 U	< 0.5 U	< 10 U	< 0.5 U	< 0.5 U	< 10 U	< 10 U	< 0.5 U	< 0.5 U	**23**	**9 J**	**4.4**	**17.1**	**29.75**
Hexachloro-1,3-butadiene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 25 U
Isopropylbenzene	ug/L	NA	NA	NA	NA	NA	NA	< 1 U	< 1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**1.86 F**	< 25 U
m&p-Xylenes	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	ug/L	NA	NA	NA	NA	NA	NA	< 5 U	< 5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 100 U	< 250 U
Methyl N-Butyl Ketone (2-Hexanone)	ug/L	< 10	< 10 U	< 5 U	< 5 U	< 10	< 5 U	< 5 U	< 5 U	< 10 U	< 5 U	< 5 U	< 10 U	< 10 U	< 5 U	< 5 U	< 10 U	< 10 U	< 5 U	< 100 U	< 250 U

Appendix B-2
Groundwater Analytical Data, Site SS013
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

	Location	MW-13-004	MW-13-004	MW-13-004	MW-13-004	MW-13-005	MW-13-005	MW-13-005	MW-13-005	MW-13-006	MW-13-006	MW-13-006	MW-13-007	MW-13-007	MW-13-007	MW-13-007	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008
	Sample Date	12/9/1987	1/7/1994	2/16/1994	10/3/1995	12/9/1987	10/5/1995	8/27/2002	8/27/2002	1/6/1994	2/16/1994	10/3/1995	1/6/1994	1/6/1994	2/16/1994	10/3/1995	1/6/1994	2/16/1994	10/3/1995	8/15/2002	3/20/2003
	Sample Type	N	N	N	N	N	N	N	FD	N	N	N	N	FR	N	N	N	N	N	N	N
Chemical	**Unit**																				
Methylcyclohexane	ug/L	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**2.06 F**	< 25 U
Methyl-tert-butylether	ug/L	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 25 U
Naphthalene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**2842**
n-Butylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 25 U
n-Propylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 25 U
o-Xylene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 25 U
Styrene (Monomer)	ug/L	NA	< 10 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 1 U	< 1 U	< 10 U	< 0.5 U	< 0.5 U	< 10 U	< 10 U	< 0.5 U	< 0.5 U	**2 J**	**1 J**	**1**	< 20 U	< 25 U
tert-Butylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 25 U
Tetrachloroethene	ug/L	< 5	< 10 U	< 0.5 U	< 0.5 U	< 5	< 0.5 U	< 1 U	< 1 U	< 10 U	< 0.5 U	< 0.5 U	< 10 U	< 10 U	< 0.5 U	< 0.5 U	< 10 U	< 10 U	< 0.5 U	< 20 U	< 25 U
Toluene	ug/L	< 5	< 10 U	< 0.5 U	< 0.5 U	< 5	< 0.5 U	< 0.5 U	< 0.5 U	< 10 U	< 0.5 U	< 0.5 U	< 10 U	< 10 U	< 0.5 U	< 0.5 U	**6 J**	**6 J**	**4.7**	**4.62 F**	**3.75 F**
Total Xylenes	ug/L	< 5	< 10 U	< 0.5 U	< 0.5 U	**3.1**	< 0.5 U	< 0.5 U	< 0.5 U	< 10 U	< 0.5 U	< 0.5 U	< 10 U	< 10 U	< 0.5 U	< 0.5 U	**21**	**17**	**15**	**16.1**	< 75 U
trans-1,2-Dichloroethene	ug/L	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 25 U
trans-1,3-Dichloropropene	ug/L	NA	< 10 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 10 U	< 0.5 U	< 0.5 U	< 10 U	< 10 U	< 0.5 U	< 0.5 U	< 10 U	< 10 U	< 0.5 U	< 10 U	< 25 U
Trichloroethene	ug/L	< 5	< 10 U	< 0.5 U	< 0.5 U	< 5	< 0.5 U	< 0.5 U	< 0.5 U	< 10 U	< 0.5 U	< 0.5 U	< 10 U	< 10 U	< 0.5 U	< 0.5 U	< 10 U	< 10 U	< 0.5 U	< 10 U	< 25 U
Vinyl chloride	ug/L	< 10	< 10 U	< 0.5 U	< 0.5 U	< 10	< 0.5 U	< 0.5 U	< 0.5 U	< 10 U	< 0.5 U	< 0.5 U	< 10 U	< 10 U	< 0.5 U	< 0.5 U	**53**	**27**	**38**	**14**	**12.35 F**

Appendix B-2
Groundwater Analytical Data, Site SS013
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

	Location	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008
	Sample Date	10/12/2005	10/23/2006	11/27/2007	11/27/2007	3/26/2008	3/26/2008	9/29/2008	9/29/2008	12/4/2008	12/4/2008	3/24/2009	3/24/2009	6/9/2009	6/9/2009	6/10/2009	6/10/2009	9/10/2009	9/10/2009	12/16/2009	3/25/2010
	Sample Type	N	N	N	FD	N	FD	N	FD	N	FD	N	FD	N	FD	N	FD	N	FD	N	N
Chemical	**Unit**																				
SVOCs																					
1,1-Biphenyl	ug/L	**19.9**	NA	< 4000 U	< 8250 U	**5.75 J**	**8.59 J**	< 56.2 U	< 53.2 U	< 102 U	< 102 U	< 51.5 U	< 52.1 U	NA	NA	**0.79**	**0.28 F**	**0.821 J**	**1.12 J**	< 10 U	< 2.5 U
1,2,4-Trichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	ug/L	NA	NA	NA	NA	**4.2 F**	< 50 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	ug/L	NA	NA	NA	NA	< 5 U	< 50 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	ug/L	NA	NA	NA	NA	**5.4**	< 50 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-Oxybis(1-Chloropropane)	ug/L	< 10.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	ug/L	< 25.3 U	NA	< 10000 U	< 20600 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	ug/L	< 10.1 U	NA	< 4000 U	< 8250 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dichlorophenol	ug/L	< 10.1 U	NA	< 4000 U	< 8250 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dimethylphenol	ug/L	**202**	NA	< 4000 U	< 8250 U	**147 F**	**158 F**	**210**	**216**	**211**	**222**	**59.2**	**61.7**	NA	NA	**107**	**125**	**91.1 J**	**115 J**	**26**	**10.3**
2,4-Dinitrophenol	ug/L	< 50.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	ug/L	< 10.1 U	NA	< 4000 U	< 8250 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	ug/L	< 10.1 U	NA	< 4000 U	< 8250 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	ug/L	< 10.1 U	NA	< 4000 U	< 8250 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chlorophenol	ug/L	< 10.1 U	NA	< 4000 U	< 8250 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methyl-4,6-dinitrophenol	ug/L	< 50.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	ug/L	**203**	NA	**404 F**	**660 F**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylphenol	ug/L	< 10.1 U	NA	< 4000 U	< 8250 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitroaniline	ug/L	< 25.3 U	NA	< 10000 U	< 20600 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitrophenol	ug/L	< 10.1 U	NA	< 4000 U	< 8250 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3-Dichlorobenzidine	ug/L	R	NA	< 8000 U	< 16500 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-Nitroaniline	ug/L	< 25.3 U	NA	< 10000 U	< 20600 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Bromophenyl phenyl ether	ug/L	< 10.1 U	NA	< 4000 U	< 8250 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chloro-3-Methylphenol	ug/L	< 10.1 U	NA	< 4000 U	< 8250 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorophenyl phenyl ether	ug/L	< 10.1 U	NA	< 4000 U	< 8250 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	ug/L	< 10.1 U	NA	< 4000 U	< 8250 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	ug/L	< 25.3 U	NA	< 10000 U	< 20600 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitrophenol	ug/L	< 25.3 U	NA	< 10000 U	< 20600 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	ug/L	**58.5**	NA	< 4000 U	< 8250 U	**22.8 J**	**29 J**	**7.3 F**	**6.81 F**	< 102 U	< 102 U	< 51.5 U	< 52.1 U	NA	NA	**4.32 J**	**2.67 J**	**4.98 J**	**6.33 J**	**1.6 F**	**0.957 F**
Acenaphthylene	ug/L	< 10.1 U	NA	< 4000 U	< 8250 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetophenone	ug/L	< 10.1 U	NA	< 4000 U	< 8250 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	ug/L	< 10.1 U	NA	< 4000 U	< 8250 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Atrazine	ug/L	R	NA	< 4000 U	< 8250 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Azobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzaldehyde	ug/L	< 10.1 U	NA	< 4000 U	< 8250 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	ug/L	NA	NA	NA	NA	**1.9 F**	< 50 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzidine	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	ug/L	< 10.1 U	NA	< 4000 U	< 8250 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	ug/L	< 10.1 U	NA	< 4000 U	< 8250 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	ug/L	< 10.1 U	NA	< 4000 U	< 8250 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene	ug/L	< 10.1 U	NA	< 4000 U	< 8250 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	ug/L	< 10.1 U	NA	< 4000 U	< 8250 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzoic Acid	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzyl Alcohol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	ug/L	< 10.1 U	NA	< 4000 U	< 8250 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethyl)ether	ug/L	< 10.1 U	NA	< 4000 U	< 8250 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroisopropyl)ether	ug/L	NA	NA	< 4000 U	< 8250 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	ug/L	< 10.1 U	NA	< 4000 U	< 8250 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Butyl benzyl phthalate	ug/L	< 10.1 U	NA	< 4000 U	< 8250 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Caprolactam	ug/L	< 10.1 U	NA	< 4000 U	< 8250 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	ug/L	**33.1**	NA	< 4000 U	< 8250 U	**19.9**	**23.4**	< 56.2 U	< 53.2 U	< 102 U	< 102 U	< 51.5 U	< 52.1 U	NA	NA	< 1 U	< 1 U	**5.67**	**5.27**	< 20 U	< 5 U
Chrysene	ug/L	< 10.1 U	NA	< 4000 U	< 8250 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzo(a,h)anthracene	ug/L	< 10.1 U	NA	< 4000 U	< 8250 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzofuran	ug/L	**21.6**	NA	< 4000 U	< 8250 U	**7.08 F**	**9.3 F**	< 56.2 U	< 53.2 U	< 102 U	< 102 U	< 51.5 U	< 52.1 U	NA	NA	**0.74 J**	**0.6 J**	**1.29**	**1.5**	< 10 U	< 2.5 U
Dichloromethane	ug/L	NA	NA	NA	NA	< 5 U	**17 B**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethyl phthalate	ug/L	< 10.1 U	NA	< 4000 U	< 8250 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dimethyl phthalate	ug/L	< 10.1 U	NA	< 4000 U	< 8250 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-butyl phthalate	ug/L	**1.95 J**	NA	< 4000 U	< 8250 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-octyl phthalate	ug/L	< 10.1 U	NA	< 4000 U	< 8250 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diphenylamine	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	ug/L	NA	NA	NA	NA	**6.3**	< 50 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	ug/L	< 10.1 U	NA	< 4000 U	< 8250 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluorene	ug/L	**17.4**	NA	< 4000 U	< 8250 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachloro-1,3-butadiene	ug/L	< 10.1 U	NA	< 4000 U	< 8250 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobenzene	ug/L	< 10.1 U	NA	< 4000 U	< 8250 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	ug/L	< 10.1 U	NA	< 4000 U	< 8250 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachloroethane	ug/L	< 10.1 U	NA	< 4000 U	< 8250 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	ug/L	< 10.1 U	NA	< 4000 U	< 8250 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix B-2
Groundwater Analytical Data, Site SS013
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

	Location	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008
	Sample Date	10/12/2005	10/23/2006	11/27/2007	11/27/2007	3/26/2008	3/26/2008	9/29/2008	9/29/2008	12/4/2008	12/4/2008	3/24/2009	3/24/2009	6/9/2009	6/9/2009	6/10/2009	6/10/2009	9/10/2009	9/10/2009	12/16/2009	3/25/2010
	Sample Type	N	N	N	FD	N	FD	N	FD	N	FD	N	FD	N	FD	N	FD	N	FD	N	N
Chemical	**Unit**																				
Isophorone	ug/L	< 10.1 U	NA	< 4000 U	< 8250 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	ug/L	**2060**	NA	**1440 F**	**1560 F**	**1330**	**1550**	**660**	**642**	**664 M**	**725 M**	**25.7 F**	**19.3 F**	NA	NA	**393 M**	**386 M**	**542 M**	**624 M**	**294 J**	**84.6**
Nitrobenzene	ug/L	< 10.1 U	NA	< 4000 U	< 8250 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitrosodi-n-propylamine	ug/L	< 10.1 U	NA	< 4000 U	< 8250 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitrosodiphenylamine	ug/L	< 10.1 U	NA	< 4000 U	< 8250 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitroso-N-methylethylamine	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Chloroaniline	ug/L	< 10.1 U	NA	< 4000 U	< 8250 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorophenol	ug/L	< 50.5 U	NA	< 20000 U	< 41200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	ug/L	**7.33 J**	NA	**480 F**	**907 F**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenol	ug/L	< 10.1 U	NA	< 4000 U	< 8250 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	ug/L	< 10.1 U	NA	< 4000 U	< 8250 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	ug/L	NA	NA	NA	NA	**2.7 F**	< 50 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Xylenes	ug/L	NA	NA	NA	NA	**5.4 F**	< 150 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	ug/L	NA	NA	NA	NA	< 5 U	< 50 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	ug/L	NA	NA	NA	NA	**7.4 F**	< 100 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs																					
1,1,1,2-Tetrachloroethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	ug/L	< 10 U	< 25 U	< 50 U	< 50 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	ug/L	< 10 U	< 25 U	< 50 U	< 50 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-trichloro-1,2,2-trifluoroethane	ug/L	< 10 U	< 25 U	< 50 U	< 50 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	ug/L	< 10 U	< 25 U	< 50 U	< 50 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	ug/L	< 10 U	< 25 U	< 50 U	< 50 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	ug/L	< 10 U	< 25 U	< 50 U	< 50 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloropropene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	ug/L	< 10 U	< 25 U	< 50 U	< 50 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	ug/L	NA	NA	NA	NA	NA	NA	< 5 U	< 5 U	**3.2**	**3.3**	< 1 U	**0.28 F**	**0.81 F**	**0.92 F**	NA	NA	**1.52**	**1.59**	**2.44**	**0.333 F**
1,2-Dibromo-3-chloropropane	ug/L	< 20 U	< 50 U	< 100 U	< 100 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane	ug/L	< 10 U	< 25 U	< 50 U	< 50 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	ug/L	< 10 U	< 25 U	< 50 U	< 50 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	ug/L	< 10 U	< 25 U	< 50 U	< 50 U	NA	NA	< 5 U	< 5 U	< 2.5 U	< 2.5 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichloroethene, Total	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	ug/L	< 10 U	< 25 U	< 50 U	< 50 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	ug/L	NA	NA	NA	NA	NA	NA	< 5 U	< 5 U	**1.75 F**	**1.9 F**	**0.28 F**	**0.4 F**	**0.34 F**	**0.35 F**	NA	NA	**1.12**	**1.13**	**0.784 F**	**0.872 F**
1,3-Dichlorobenzene	ug/L	< 10 U	< 25 U	< 50 U	< 50 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichloropropane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	ug/L	< 10 U	< 25 U	< 50 U	< 50 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1-Chlorohexane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-Dichloropropane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	ug/L	< 100 U	< 250 U	< 500 U	< 500 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chlorotoluene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorotoluene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	ug/L	< 100 U	< 250 U	< 500 U	< 500 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	ug/L	< 100 U	< 250 U	< 500 U	< 500 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	ug/L	**4 F**	< 25 U	< 50 U	< 50 U	NA	NA	< 5 U	< 5 U	**1.3 F**	**1.3 F**	**0.24 F**	**0.34 F**	**1.1**	**1.12**	NA	NA	**1.29**	**1.3**	**0.988 F**	**0.889 F**
Bromobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromochloromethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	ug/L	< 10 U	< 25 U	< 50 U	< 50 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	ug/L	< 10 U	< 25 U	< 50 U	< 50 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane	ug/L	< 10 U	< 25 U	< 50 U	< 50 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Disulfide	ug/L	< 10 U	< 25 U	< 50 U	< 50 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	ug/L	< 10 U	< 25 U	< 50 U	< 50 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CFC-11	ug/L	< 10 U	R	< 50 U	< 50 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CFC-12	ug/L	< 10 U	< 25 U	< 50 U	< 50 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	ug/L	< 10 U	< 25 U	< 50 U	< 50 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorodibromomethane	ug/L	< 10 U	< 25 U	< 50 U	< 50 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane	ug/L	< 10 U	R	< 50 U	< 50 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	ug/L	< 10 U	< 25 U	< 50 U	< 50 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloromethane	ug/L	< 10 U	< 25 U	< 50 U	< 50 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	ug/L	< 10 U	< 25 U	< 50 U	< 50 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	ug/L	< 10 U	< 25 U	< 50 U	< 50 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyclohexane	ug/L	**2.4 F**	< 25 U	< 50 U	< 50 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cymene (p-Isopropyltoluene)	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromomethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichloromethane	ug/L	**16 B**	< 25 U	< 50 U	< 50 U	NA	NA	**1.9 F**	**1.9 F**	< 2.5 U	< 2.5 U	< 1 U	< 1 U	< 5 U	< 5 U	NA	NA	**0.346 F**	**0.385 F**	**0.282 F**	< 5 U
Ethylbenzene	ug/L	**27**	**19 F**	< 50 U	< 50 U	NA	NA	**2.6 F**	**2.4 F**	**3.2**	**3.3**	**0.4 F**	**0.66 F**	**2.43**	**2.44**	NA	NA	**3.33**	**3.4**	**1.93**	**1.53**
Hexachloro-1,3-butadiene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	ug/L	**2.2 F**	< 25 U	< 50 U	< 50 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m&p-Xylenes	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	ug/L	< 100 U	R	< 300 U	< 300 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl N-Butyl Ketone (2-Hexanone)	ug/L	< 100 U	< 250 U	< 500 U	< 500 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix B-2
Groundwater Analytical Data, Site SS013
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

	Location	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008
	Sample Date	10/12/2005	10/23/2006	11/27/2007	11/27/2007	3/26/2008	3/26/2008	9/29/2008	9/29/2008	12/4/2008	12/4/2008	3/24/2009	3/24/2009	6/9/2009	6/9/2009	6/10/2009	6/10/2009	9/10/2009	9/10/2009	12/16/2009	3/25/2010
	Sample Type	N	N	N	FD	N	FD	N	FD	N	FD	N	FD	N	FD	N	FD	N	FD	N	N
Chemical	**Unit**																				
Methylcyclohexane	ug/L	**3.8 F**	< 25 U	< 50 U	< 50 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl-tert-butylether	ug/L	< 10 U	< 25 U	< 50 U	< 50 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Butylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	ug/L	< 10 U	< 25 U	< 50 U	< 50 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
tert-Butylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	ug/L	< 10 U	< 25 U	< 50 U	< 50 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	ug/L	**3.6 F**	< 25 U	< 50 U	< 50 U	NA	NA	**2.4 F**	**2.3 F**	**2.65**	**2.65**	**0.5 F**	**0.66 F**	**2.55**	**2.53**	NA	NA	**2.09**	**2.11**	**1.47**	**0.528 F**
Total Xylenes	ug/L	**12 F**	**9.5 F**	< 150 U	< 150 U	NA	NA	< 15 U	< 15 U	**6.25 F**	**6.55 F**	**0.78 F**	**1.22 F**	**2.82 F**	**2.99 F**	NA	NA	**3.08**	**3.3**	**2.05 F**	**0.826 F**
trans-1,2-Dichloroethene	ug/L	< 10 U	< 25 U	< 50 U	< 50 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	ug/L	< 10 U	< 25 U	< 50 U	< 50 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	ug/L	< 10 U	< 25 U	< 50 U	< 50 U	NA	NA	< 5 U	< 5 U	< 2.5 U	< 2.5 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U	< 1 U
Vinyl chloride	ug/L	**8.8 F**	**22 F**	< 50 U	< 50 U	NA	NA	< 10 U	< 10 U	**2.3 F**	**2.4 F**	< 2 U	< 2 U	**3.26**	**3.36**	NA	NA	**4.92**	**4.76**	**2.44**	**1.51**

Appendix B-2
Groundwater Analytical Data, Site SS013
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

	Location	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008
	Sample Date	6/7/2010	9/8/2010	12/2/2010	3/30/2011	6/15/2011	9/21/2011	12/27/2011	12/27/2011	3/19/2012	6/7/2012	9/24/2012	12/13/2012	3/28/2013	3/28/2013	6/12/2013	9/17/2013	12/12/2013	3/11/2014	7/9/2014	9/9/2014
	Sample Type	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N
Chemical	**Unit**																				
SVOCs																					
1,1-Biphenyl	ug/L	< 21.5 U	< 20.4 UM	< 21.3 U	< 51.9 UM	< 20 U	< 20 U	**3.56 F**	**4.95 F**	**2.64 F**	< 20.6 U	< 20 U	< 20.4 U	< 40 U	**0.71 J**	< 20 U	< 5 U	< 20 UM	< 20 UM	< 20 UM	< 20 UM
1,2,4-Trichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-Oxybis(1-Chloropropane)	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dichlorophenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dimethylphenol	ug/L	**16.9**	**12.5 M**	**5.26 F**	< 13 UM	**11**	**7.14**	**27.5**	**31.5**	**48.1**	**13.4**	**71.9**	**8.33**	**55**	**75 J**	**34**	**49.2**	**32**	**26.9**	**31.1 M**	**41.5 M**
2,4-Dinitrophenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chlorophenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methyl-4,6-dinitrophenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylphenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitroaniline	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitrophenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3-Dichlorobenzidine	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-Nitroaniline	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Bromophenyl phenyl ether	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chloro-3-Methylphenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorophenyl phenyl ether	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitrophenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	ug/L	**3.06 F**	**6.18 M**	**3.58 F**	< 13 UM	**10.4 J**	**4.35 F**	**15.4**	**16.7**	**16.7 J**	**6.13 J**	**9.41**	< 5.1 UJ	< 10 UJ	**3.4 J**	**6.24**	**4.76 J**	< 5 UJ	**2.59 F**	**4.24 M**	**3.49 F**
Acenaphthylene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetophenone	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Atrazine	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Azobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzaldehyde	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzidine	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzoic Acid	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzyl Alcohol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethyl)ether	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroisopropyl)ether	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Butyl benzyl phthalate	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Caprolactam	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	ug/L	**2.83**	**7.34 F**	**2.95 F**	< 51.9 U	**4.56 F**	**3.85 F**	**10.6 F**	**12.7 F**	**8.71 F**	**3.66 F**	**8.19 F**	< 20.4 U	< 40 U	**1.5 J**	**4.32 F**	**3.02 F**	< 20 U	< 20 U	**2.83 M**	**3.15 F**
Chrysene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzo(a,h)anthracene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzofuran	ug/L	< 5.38 U	< 5.1 UM	< 5.32 U	< 13 UM	**3.45 F**	< 5 UJ	**4.76 F**	**8.91**	**4.9 F**	< 5.15 U	**3.15 F**	< 5.1 U	< 10 U	**0.67 J**	< 5 U	< 5 U	< 5 U	< 5 U	< 5 UM	< 5 UJ
Dichloromethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethyl phthalate	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dimethyl phthalate	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-butyl phthalate	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-octyl phthalate	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diphenylamine	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluorene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachloro-1,3-butadiene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachloroethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix B-2
Groundwater Analytical Data, Site SS013
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

	Location	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008
	Sample Date	6/7/2010	9/8/2010	12/2/2010	3/30/2011	6/15/2011	9/21/2011	12/27/2011	12/27/2011	3/19/2012	6/7/2012	9/24/2012	12/13/2012	3/28/2013	3/28/2013	6/12/2013	9/17/2013	12/12/2013	3/11/2014	7/9/2014	9/9/2014
	Sample Type	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N
Chemical	**Unit**																				
Isophorone	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	ug/L	**109 M**	**427 M**	**125 M**	**19.8 M**	**257 M**	**178**	**749 J**	**960 J**	NA	**101 J**	**563**	< 5.1 UJ	**321 J**	**200**	**102 M**	**209 J**	**287 J**	**192**	**215 M**	**168**
Nitrobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitrosodi-n-propylamine	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitrosodiphenylamine	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitroso-N-methylethylamine	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Chloroaniline	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorophenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Xylenes	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs																					
1,1,1,2-Tetrachloroethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-trichloro-1,2,2-trifluoroethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloropropene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	ug/L	**1.65**	**2.38**	**1.51**	**0.302 F**	**1.85**	**1.3**	**5.54**	**6**	**3.33**	**2.56**	**3**	**1.17**	**1.35**	**1.2 J**	**1.89**	**2.71 J**	**2.33**	**1.48 F**	< 5 U	**1.97 F**
1,2-Dibromo-3-chloropropane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U	< 2.5 U	< 5 U	< 2 U
1,2-Dichloroethene, Total	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	ug/L	**1.07**	**0.92 F**	**0.492 F**	< 1 U	**0.512 F**	**0.357 F**	**2.29**	**2.21**	**0.893 F**	< 1 U	**0.734 F**	< 1 U	< 1 U	< 2 U	**0.847 F**	**0.352 J**	**0.435 F**	< 2.5 U	< 5 U	**0.956 F**
1,3-Dichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichloropropane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1-Chlorohexane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-Dichloropropane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chlorotoluene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorotoluene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	ug/L	**1.32**	**1.19**	**1.04**	**0.234 F**	**1.32**	**1.07**	**1.96**	**1.99**	**1.45**	**1.3**	**1.38**	**0.788 F**	**1.02**	**0.94 J**	**1.24**	**1.34**	**1.12**	**0.823 F**	**0.822 F**	**1.2 F**
Bromobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromochloromethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Disulfide	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CFC-11	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CFC-12	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorodibromomethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloromethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyclohexane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cymene (p-Isopropyltoluene)	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromomethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichloromethane	ug/L	< 1 U	**0.298 F**	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U	< 2.5 U	< 5 U	< 2 U
Ethylbenzene	ug/L	**5.15**	**4.91**	**2.66**	**0.887 F**	**3.69**	**2.94**	**11.9**	**11.3**	**6.44**	**3.21**	**3.72**	**1.31**	**2.21**	**2.1**	**1.3**	**2.83**	**2.63**	**2.05 F**	**1.91 F**	**3.46**
Hexachloro-1,3-butadiene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m&p-Xylenes	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl N-Butyl Ketone (2-Hexanone)	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix B-2
Groundwater Analytical Data, Site SS013
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

	Location	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008
	Sample Date	6/7/2010	9/8/2010	12/2/2010	3/30/2011	6/15/2011	9/21/2011	12/27/2011	12/27/2011	3/19/2012	6/7/2012	9/24/2012	12/13/2012	3/28/2013	3/28/2013	6/12/2013	9/17/2013	12/12/2013	3/11/2014	7/9/2014	9/9/2014
	Sample Type	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N
Chemical	**Unit**																					
Methylcyclohexane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl-tert-butylether	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	**456 J**	**1310**	**117**	**340**	**390 J**	**147 M**	**372 J**	**595**	**487 M**	**377 M**	**657**
n-Butylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
tert-Butylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	ug/L	**2.19**	**2.34**	**1.96**	**0.414 F**	**2.06**	**1.93**	**4.3**	**4.65**	**3**	**2.88**	**3.12**	**1.7**	**1.99**	**1.7 J**	**2.51**	**3.42**	**3.29**	**2.29 F**	**1.39 F**	**2.24**
Total Xylenes	ug/L	**3.85**	**4.59**	**3.43**	< 1 U	**4.02**	**3.27**	**8.92**	**9.68**	**6.02**	**4.98**	**5.59**	**2.34**	**2.9**	**2.5**	**4.89**	**5.16**	**4.62**	**3.43**	< 5 U	**3.68**
trans-1,2-Dichloroethene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U	< 2.5 U	< 5 U	< 2 U
Vinyl chloride	ug/L	**5.94**	**6.78**	**9.01**	**1.18**	**6.24**	**3.67**	**11.5**	**11.5**	**8.2**	**3.74**	**4.12**	**1.26 J**	**3.13**	**2.7**	**4.76**	**2.89 J**	**3.4**	**2.31 F**	**2.56 F**	**4.44**

Appendix B-2
Groundwater Analytical Data, Site SS013
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

	Location	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008R	MW-13-008R	MW-13-008R	MW-13-008R	MW-13-008R	MW-13-008R	MW-13-008R	MW-13-008R	MW-13-008R	MW-13-009	MW-13-009
	Sample Date	12/9/2014	3/12/2015	3/12/2015	7/14/2015	7/14/2015	9/28/2015	11/23/2015	11/29/2016	11/29/2016	6/1/2017	6/1/2017	8/11/2017	11/3/2017	11/3/2017	2/8/2018	5/8/2018	5/8/2018	8/22/2018	10/3/1995	10/3/1995
	Sample Type	N	N	FD	N	FD	N	N	N	FD	N	FD	N	N	FD	N	N	FD	N	N	FR
Chemical	**Unit**																				
SVOCs																					
1,1-Biphenyl	ug/L	< 20 U	**5.09 M**	**4.56 M**	**3.92 F**	**4.86 F**	< 20 UM	**4.38 J**	**3.3 J [3.3]**	< 9.5 U [< 2.9]	NA	NA	< 2.9	< 2.9	< 2.9	< 3.1	< 1.9	< 1.9	< 2.1	NA	NA
1,2,4-Trichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-Oxybis(1-Chloropropane)	ug/L	NA	NA	NA	NA	NA	NA	NA	< 9.5 U	< 9.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	ug/L	NA	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dichlorophenol	ug/L	NA	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dimethylphenol	ug/L	**65.6**	**62.7**	**58.4**	**19.2 J**	**24.9 J**	**12**	**8.99**	**8.8 J [8.8]**	**7.8 J [7.8]**	< 7.8	< 1.9	< 2.9	< 2.9	< 2.9	< 3.1	< 9.6	< 9.5	< 10	NA	NA
2,4-Dinitrophenol	ug/L	NA	NA	NA	NA	NA	NA	NA	< 48 U [< 9.5]	< 48 U [< 9.5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	ug/L	NA	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	ug/L	NA	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	ug/L	NA	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chlorophenol	ug/L	NA	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methyl-4,6-dinitrophenol	ug/L	NA	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylphenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitroaniline	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitrophenol	ug/L	NA	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3-Dichlorobenzidine	ug/L	NA	NA	NA	NA	NA	NA	NA	< 48 U [< 2.9]	< 48 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-Nitroaniline	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Bromophenyl phenyl ether	ug/L	NA	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chloro-3-Methylphenol	ug/L	NA	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorophenyl phenyl ether	ug/L	NA	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitrophenol	ug/L	NA	NA	NA	NA	NA	NA	NA	< 24 U [< 9.5]	< 24 U [< 9.5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	ug/L	**7.44 J**	**21.9**	**19.3**	**24**	**28.6**	**10.8**	**21.5**	**12 [12]**	< 9.5 U [< 2.9]	< 3.9	< 0.97	< 2.9	< 2.9	< 2.9	< 3.1	< 1.9	< 1.9	< 2.1	NA	NA
Acenaphthylene	ug/L	NA	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetophenone	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	ug/L	NA	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Atrazine	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Azobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzaldehyde	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzidine	ug/L	NA	NA	NA	NA	NA	NA	NA	< 95 U [< 19]	< 95 U [< 19]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	ug/L	NA	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	ug/L	NA	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	ug/L	NA	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene	ug/L	NA	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	ug/L	NA	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzoic Acid	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzyl Alcohol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	ug/L	NA	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethyl)ether	ug/L	NA	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroisopropyl)ether	ug/L	NA	NA	NA	NA	NA	NA	NA	< 2.9	< 2.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	ug/L	NA	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Butyl benzyl phthalate	ug/L	NA	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Caprolactam	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	ug/L	**4.99 F**	**12.2 F**	**11.5 F**	**7.62 F**	**8.32 F**	**5.46 F**	**6.11 F**	< 9.5 U [< 2.9]	< 9.5 U [< 2.9]	< 3.9	< 0.97	< 2.9	< 2.9	< 2.9	< 3.1	< 1.9	< 1.9	< 2.1	NA	NA
Chrysene	ug/L	NA	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzo(a,h)anthracene	ug/L	NA	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzofuran	ug/L	< 5 U	**7.24**	**6.44**	**6.96**	**8.03**	**2.87 J**	**5.92**	< 9.5 U [< 2.9]	< 9.5 U [< 2.9]	< 3.9	< 0.97	< 2.9	< 2.9	< 2.9	< 3.1	< 1.9	< 1.9	< 2.1	NA	NA
Dichloromethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethyl phthalate	ug/L	NA	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dimethyl phthalate	ug/L	NA	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-butyl phthalate	ug/L	NA	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-octyl phthalate	ug/L	NA	NA	NA	NA	NA	NA	NA	< 14 U [< 9.5]	< 14 U [< 9.5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diphenylamine	ug/L	NA	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	ug/L	NA	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluorene	ug/L	NA	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachloro-1,3-butadiene	ug/L	NA	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	ug/L	NA	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachloroethane	ug/L	NA	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	ug/L	NA	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix B-2
Groundwater Analytical Data, Site SS013
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

	Location	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008R	MW-13-008R	MW-13-008R	MW-13-008R	MW-13-008R	MW-13-008R	MW-13-008R	MW-13-008R	MW-13-008R	MW-13-009	MW-13-009
	Sample Date	12/9/2014	3/12/2015	3/12/2015	7/14/2015	7/14/2015	9/28/2015	11/23/2015	11/29/2016	11/29/2016	6/1/2017	6/1/2017	8/11/2017	11/3/2017	11/3/2017	2/8/2018	5/8/2018	5/8/2018	8/22/2018	10/3/1995	10/3/1995
	Sample Type	N	N	FD	N	FD	N	N	N	FD	N	FD	N	N	FD	N	N	FD	N	N	FR
Chemical	**Unit**																				
Isophorone	ug/L	NA	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	ug/L	**321 J**	**766**	**697**	**308 M**	**373 M**	**188**	**502**	**480 D [480]**	**390 D [390]**	< 3.9	< 0.97	**4.9**	< 2.9	< 2.9	< 3.1	< 1.9	< 1.9	< 2.1	NA	NA
Nitrobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitrosodi-n-propylamine	ug/L	NA	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitrosodiphenylamine	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitroso-N-methylethylamine	ug/L	NA	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Chloroaniline	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorophenol	ug/L	NA	NA	NA	NA	NA	NA	NA	< 48 U [< 2.9]	< 48 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	ug/L	NA	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenol	ug/L	NA	NA	NA	NA	NA	NA	NA	< 14 U [< 2.9]	< 14 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	ug/L	NA	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Xylenes	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs																					
1,1,1,2-Tetrachloroethane	ug/L	NA	NA	NA	NA	NA	NA	NA	< 1 U [< 0.80]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	ug/L	NA	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U
1,1,2,2-Tetrachloroethane	ug/L	NA	NA	NA	NA	NA	NA	NA	< 1 U [< 0.80]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U
1,1,2-trichloro-1,2,2-trifluoroethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	ug/L	NA	NA	NA	NA	NA	NA	NA	< 1 U [< 0.80]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U
1,1-Dichloroethane	ug/L	NA	NA	NA	NA	NA	NA	NA	< 1 U [< 0.80]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U
1,1-Dichloroethene	ug/L	NA	NA	NA	NA	NA	NA	NA	< 1 U [< 0.80]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U
1,1-Dichloropropene	ug/L	NA	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	< 1 U [< 0.80]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	ug/L	NA	NA	NA	NA	NA	NA	NA	< 3 U [< 0.80]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	< 1 U [< 0.80]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	ug/L	**3.64 F**	**7.05 F**	**7.3 F**	**3.63 F**	**3.23 F**	**4.12 F**	**3.49 F**	**3 [3.0]**	NA	< 0.40	< 0.40	**1.8**	**0.84**	**0.54**	**0.28**	< 0.40	< 0.40	**0.44**	NA	NA
1,2-Dibromo-3-chloropropane	ug/L	NA	NA	NA	NA	NA	NA	NA	< 5 U [< 1.6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane	ug/L	NA	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	ug/L	< 10 U	< 10 U	< 10 U	< 5 U	< 5 U	< 5 U	< 5 U	< 1 U [< 0.40]	NA	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.5 U	< 0.5 U
1,2-Dichloroethene, Total	ug/L	NA	NA	NA	NA	NA	NA	NA	< 1 U [< 0.20]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U
1,2-Dichloropropane	ug/L	NA	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U
1,3,5-Trimethylbenzene	ug/L	< 10 U	< 10 U	< 10 U	**1.84 F**	**2 F**	< 5 U	< 5 U	**0.52 J [0.52]**	NA	< 0.40	< 0.40	**2.9**	**0.19**	< 0.40	**0.41**	< 0.40	< 0.40	< 0.40	NA	NA
1,3-Dichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichloropropane	ug/L	NA	NA	NA	NA	NA	NA	NA	< 1 U [< 0.80]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1-Chlorohexane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-Dichloropropane	ug/L	NA	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	ug/L	NA	NA	NA	NA	NA	NA	NA	< 6 UQ [< 4.0]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5 U	< 5 U
2-Chlorotoluene	ug/L	NA	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorotoluene	ug/L	NA	NA	NA	NA	NA	NA	NA	< 1 U [< 0.80]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	ug/L	NA	NA	NA	NA	NA	NA	NA	< 5 U [< 3.2]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5 U	< 5 U
Acetone	ug/L	NA	NA	NA	NA	NA	NA	NA	< 10 U [< 6.4]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5 U	< 5 U
Benzene	ug/L	**2.03 F**	**2.17 F**	**1.98 F**	**1.43 F**	**1.55 F**	**2.09 F**	**1.75 F**	**1.6 [1.6]**	NA	< 0.40	< 0.40	**0.25**	**0.37**	**0.29**	< 0.40	< 0.40	**0.64**	< 0.40	< 0.5 U	< 0.5 U
Bromobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromochloromethane	ug/L	NA	NA	NA	NA	NA	NA	NA	< 1 U [< 0.20]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	ug/L	NA	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U
Bromoform	ug/L	NA	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U
Bromomethane	ug/L	NA	NA	NA	NA	NA	NA	NA	< 2 U [< 0.80]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U
Carbon Disulfide	ug/L	NA	NA	NA	NA	NA	NA	NA	< 2 U [< 1.6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U
Carbon Tetrachloride	ug/L	NA	NA	NA	NA	NA	NA	NA	< 2 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U
CFC-11	ug/L	NA	NA	NA	NA	NA	NA	NA	< 2 U [< 0.80]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CFC-12	ug/L	NA	NA	NA	NA	NA	NA	NA	< 2 U [< 0.80]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U
Chlorodibromomethane	ug/L	NA	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U
Chloroethane	ug/L	NA	NA	NA	NA	NA	NA	NA	< 2 U [< 1.6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U
Chloroform	ug/L	NA	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U
Chloromethane	ug/L	NA	NA	NA	NA	NA	NA	NA	< 2 U [< 0.80]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U
cis-1,2-Dichloroethene	ug/L	NA	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	ug/L	NA	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U
Cyclohexane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cymene (p-Isopropyltoluene)	ug/L	NA	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromomethane	ug/L	NA	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichloromethane	ug/L	< 10 U	**2.56 F**	< 10 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U [< 0.80]	NA	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.5 U	< 0.5 U
Ethylbenzene	ug/L	**4.02 F**	**8.92 F**	**8.86 F**	**5.72**	**4.79 F**	**4.78 F**	**5.34**	**4.6 [4.6]**	NA	< 0.40	< 0.40	**2.3**	**1.8**	**1.7**	**0.23**	< 0.40	**0.25**	**0.32**	< 0.5 U	< 0.5 U
Hexachloro-1,3-butadiene	ug/L	NA	NA	NA	NA	NA	NA	NA	< 1 U [< 0.80]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m&p-Xylenes	ug/L	NA	NA	NA	NA	NA	NA	NA	**3.3 [3.3]**	NA	< 0.80	< 0.80	**1.7**	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	NA	NA
Methyl Acetate	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl N-Butyl Ketone (2-Hexanone)	ug/L	NA	NA	NA	NA	NA	NA	NA	< 5 U [< 4.0]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5 U	< 5 U

Appendix B-2
Groundwater Analytical Data, Site SS013
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

	Location	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008	MW-13-008R	MW-13-008R	MW-13-008R	MW-13-008R	MW-13-008R	MW-13-008R	MW-13-008R	MW-13-008R	MW-13-008R	MW-13-009	MW-13-009
	Sample Date	12/9/2014	3/12/2015	3/12/2015	7/14/2015	7/14/2015	9/28/2015	11/23/2015	11/29/2016	11/29/2016	6/1/2017	6/1/2017	8/11/2017	11/3/2017	11/3/2017	2/8/2018	5/8/2018	5/8/2018	8/22/2018	10/3/1995	10/3/1995
	Sample Type	N	N	FD	N	FD	N	N	N	FD	N	FD	N	N	FD	N	N	FD	N	N	FR
Chemical	**Unit**																				
Methylcyclohexane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl-tert-butylether	ug/L	NA	NA	NA	NA	NA	NA	NA	< 5 U [< 0.80]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	ug/L	**1440**	**2000**	**2110**	**654**	**648**	**924**	**822**	**770 [770]**	NA	**0.42**	**0.44**	**11**	**1.2**	**0.95**	**0.77**	< 0.80	< 0.80	**0.98**	NA	NA
n-Butylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	< 1 U [< 0.80]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	< 1 UM [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	ug/L	NA	NA	NA	NA	NA	NA	NA	**2.4 [2.4]**	NA	< 0.40	< 0.40	< 0.40	**0.21**	**0.27**	< 0.40	< 0.40	**0.38**	< 0.40	NA	NA
sec-Butylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	ug/L	NA	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U
tert-Butylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	ug/L	NA	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U
Toluene	ug/L	**4.32 F**	**4.75 F**	**4.72 F**	**3.32 F**	**3.18 F**	**4.69 F**	**4.11 F**	**4 [4.0]**	NA	< 0.40	< 0.40	**0.19**	**0.50**	**0.38**	< 0.40	< 0.40	**0.21**	< 0.40	< 0.5 U	< 0.5 U
Total Xylenes	ug/L	**7.91 F**	**9.41 F**	**9.93 F**	**6.06**	**6.03**	**7.5**	**6.17**	**5.7 [5.7]**	NA	< 0.80	< 0.80	**1.7**	**0.21**	**0.27**	< 0.80	< 0.80	**0.38**	< 0.80	< 0.5 U	< 0.5 U
trans-1,2-Dichloroethene	ug/L	NA	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	ug/L	NA	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U
Trichloroethene	ug/L	< 10 U	< 10 U	< 10 U	< 5 U	< 5 U	< 5 U	< 5 U	< 1 U [< 0.40]	NA	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.5 U	< 0.5 U
Vinyl chloride	ug/L	**3.91 F**	**7.1 F**	**7.38 F**	**4.2 F**	**4.17 F**	**6.26**	**3.92 F**	**4.2 [4.2]**	NA	< 0.20	< 0.20	< 0.20	< 0.20	**0.27**	< 0.20	< 0.20	**2.2**	< 0.20	< 0.5 U	< 0.5 U

Appendix B-2
Groundwater Analytical Data, Site SS013
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

	Location	MW-13-010	MW-13-011	MW-13-011	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012
	Sample Date	10/3/1995	10/3/1995	9/22/2004	10/3/1995	8/27/2002	11/27/2007	3/26/2008	9/29/2008	12/4/2008	3/24/2009	6/9/2009	9/10/2009	12/16/2009	3/25/2010	6/7/2010	9/8/2010	12/2/2010	3/30/2011	6/15/2011	6/15/2011
	Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD
Chemical	**Unit**																				
SVOCs																					
1,1-Biphenyl	ug/L	NA	NA	NA	NA	< 10 U	< 11 U	< 10.4 U	< 10.6 U	< 11 U	< 10.4 U	< 0.5 U	< 0.5 UJ	< 0.5 U	< 0.549 U	< 22 U	< 21.3 UM	< 21.7 U	< 23.5 UM	< 20 U	< 20 U
1,2,4-Trichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-Oxybis(1-Chloropropane)	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	ug/L	NA	NA	NA	NA	< 25 U	< 27.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	ug/L	NA	NA	NA	NA	< 10 U	< 11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dichlorophenol	ug/L	NA	NA	NA	NA	< 10 U	< 11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dimethylphenol	ug/L	NA	NA	NA	NA	R	< 11 U	< 10.4 U	< 10.6 U	< 11 U	< 10.4 U	< 1 U	< 1 UJ	< 1 U	< 1.1 U	< 5.49 U	< 5.32 UM	< 5.43 U	< 5.88 UM	< 5 U	< 5 U
2,4-Dinitrophenol	ug/L	NA	NA	NA	NA	< 25 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	ug/L	NA	NA	NA	NA	< 10 U	< 11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	ug/L	NA	NA	NA	NA	< 10 U	< 11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	ug/L	NA	NA	NA	NA	< 10 U	< 11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chlorophenol	ug/L	NA	NA	NA	NA	< 10 U	< 11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methyl-4,6-dinitrophenol	ug/L	NA	NA	NA	NA	< 25 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	ug/L	NA	NA	NA	NA	< 10 U	< 11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylphenol	ug/L	NA	NA	NA	NA	< 10 U	< 11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitroaniline	ug/L	NA	NA	NA	NA	< 25 U	< 27.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitrophenol	ug/L	NA	NA	NA	NA	< 15 U	< 11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3-Dichlorobenzidine	ug/L	NA	NA	NA	NA	< 20 U	< 22 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-Nitroaniline	ug/L	NA	NA	NA	NA	< 25 U	< 27.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Bromophenyl phenyl ether	ug/L	NA	NA	NA	NA	< 10 U	< 11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chloro-3-Methylphenol	ug/L	NA	NA	NA	NA	< 10 U	< 11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorophenyl phenyl ether	ug/L	NA	NA	NA	NA	< 10 U	< 11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	ug/L	NA	NA	NA	NA	< 10 U	< 11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	ug/L	NA	NA	NA	NA	< 25 U	< 27.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitrophenol	ug/L	NA	NA	NA	NA	< 25 U	< 27.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	ug/L	NA	NA	NA	NA	< 10 U	< 11 U	< 10.4 UJ	< 10.6 U	< 11 U	< 10.4 U	< 0.5 UJ	< 0.5 UJ	< 0.5 U	< 0.549 U	< 5.49 U	< 5.32 UM	< 5.43 U	< 5.88 UM	< 5 U	< 5 U
Acenaphthylene	ug/L	NA	NA	NA	NA	< 10 U	< 11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetophenone	ug/L	NA	NA	NA	NA	< 10 U	< 11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	ug/L	NA	NA	NA	NA	< 10 U	< 11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Atrazine	ug/L	NA	NA	NA	NA	< 10 U	< 11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Azobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzaldehyde	ug/L	NA	NA	NA	NA	< 10 U	< 11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzidine	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	ug/L	NA	NA	NA	NA	< 10 U	< 11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	ug/L	NA	NA	NA	NA	< 10 U	< 11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	ug/L	NA	NA	NA	NA	< 10 U	< 11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene	ug/L	NA	NA	NA	NA	< 10 U	< 11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	ug/L	NA	NA	NA	NA	< 10 U	< 11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzoic Acid	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzyl Alcohol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	ug/L	NA	NA	NA	NA	< 10 U	< 11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethyl)ether	ug/L	NA	NA	NA	NA	< 10 U	< 11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroisopropyl)ether	ug/L	NA	NA	NA	NA	< 10 U	< 11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	ug/L	NA	NA	NA	NA	< 15 U	**1.05 F**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Butyl benzyl phthalate	ug/L	NA	NA	NA	NA	< 15 U	< 11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Caprolactam	ug/L	NA	NA	NA	NA	< 10 U	< 11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	ug/L	NA	NA	NA	NA	< 20 U	< 11 U	< 10.4 U	< 10.6 U	< 11 U	< 10.4 U	< 1 U	**0.0601 F**	< 1 UJ	< 1.1 U	< 22 U	< 21.3 U	< 21.7 U	< 23.5 U	< 20 U	< 20 U
Chrysene	ug/L	NA	NA	NA	NA	< 10 U	< 11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzo(a,h)anthracene	ug/L	NA	NA	NA	NA	< 10 U	< 11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzofuran	ug/L	NA	NA	NA	NA	< 10 U	< 11 U	< 10.4 U	< 10.6 U	< 11 U	< 10.4 U	< 0.5 UJ	< 0.5 U	< 0.5 U	< 0.549 U	< 5.49 U	< 5.32 UM	< 5.43 U	< 5.88 UM	< 5 UJ	< 5 U
Dichloromethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethyl phthalate	ug/L	NA	NA	NA	NA	< 10 U	< 11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dimethyl phthalate	ug/L	NA	NA	NA	NA	< 10 U	< 11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-butyl phthalate	ug/L	NA	NA	NA	NA	< 10 U	< 11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-octyl phthalate	ug/L	NA	NA	NA	NA	< 15 U	< 11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diphenylamine	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	ug/L	NA	NA	NA	NA	< 10 U	< 11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluorene	ug/L	NA	NA	NA	NA	< 10 U	< 11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachloro-1,3-butadiene	ug/L	NA	NA	NA	NA	< 10 U	< 11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobenzene	ug/L	NA	NA	NA	NA	< 10 U	< 11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	ug/L	NA	NA	NA	NA	< 10 UM	< 11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachloroethane	ug/L	NA	NA	NA	NA	< 10 U	< 11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	ug/L	NA	NA	NA	NA	< 10 U	< 11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix B-2
Groundwater Analytical Data, Site SS013
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

	Location	MW-13-010	MW-13-011	MW-13-011	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012
	Sample Date	10/3/1995	10/3/1995	9/22/2004	10/3/1995	8/27/2002	11/27/2007	3/26/2008	9/29/2008	12/4/2008	3/24/2009	6/9/2009	9/10/2009	12/16/2009	3/25/2010	6/7/2010	9/8/2010	12/2/2010	3/30/2011	6/15/2011	6/15/2011
	Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD
Chemical	**Unit**																				
Isophorone	ug/L	NA	NA	NA	NA	< 10 U	< 11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	ug/L	NA	NA	NA	NA	< 10 U	< 11 U	< 10.4 U	< 10.6 U	< 11 UM	< 10.4 U	**0.03 M**	< 0.5 UM	**0.316 J**	< 0.549 U	< 5.49 U	< 5.32 UM	< 5.43 U	< 5.88 UM	< 5 UM	< 5 UM
Nitrobenzene	ug/L	NA	NA	NA	NA	< 10 U	< 11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitrosodi-n-propylamine	ug/L	NA	NA	NA	NA	< 10 U	< 11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitrosodiphenylamine	ug/L	NA	NA	NA	NA	< 10 U	< 11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitroso-N-methylethylamine	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Chloroaniline	ug/L	NA	NA	NA	NA	< 25 U	< 11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorophenol	ug/L	NA	NA	NA	NA	< 25 U	< 54.9 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	ug/L	NA	NA	NA	NA	< 10 U	< 11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenol	ug/L	NA	NA	NA	NA	< 10 U	< 11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	ug/L	NA	NA	NA	NA	< 10 U	< 11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Xylenes	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs																					
1,1,1,2-Tetrachloroethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-trichloro-1,2,2-trifluoroethane	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloropropene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	ug/L	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dibromo-3-chloropropane	ug/L	NA	NA	< 1 U	NA	< 1 U	< 1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane	ug/L	NA	NA	< 0.5 U	NA	< 1 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichloroethene, Total	ug/L	< 0.5 U	< 0.5 U	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	ug/L	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,3-Dichlorobenzene	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichloropropane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1-Chlorohexane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-Dichloropropane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	ug/L	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chlorotoluene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorotoluene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	ug/L	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	ug/L	< 5 U	< 5 U	< 5 U	< 5 U	< 10 U	< 5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromochloromethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Disulfide	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CFC-11	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CFC-12	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorodibromomethane	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	ug/L	< 0.5 U	**0.2 J**	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloromethane	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyclohexane	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cymene (p-Isopropyltoluene)	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromomethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichloromethane	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5 U	**0.439 F**	**0.398 F**	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Ethylbenzene	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Hexachloro-1,3-butadiene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	ug/L	NA	NA	< 0.5 U	NA	< 1 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m&p-Xylenes	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	ug/L	NA	NA	< 5 U	NA	< 5 U	< 3 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl N-Butyl Ketone (2-Hexanone)	ug/L	< 5 U	< 5 U	< 5 UM	< 5 U	< 5 U	< 5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix B-2
Groundwater Analytical Data, Site SS013
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

	Location	MW-13-010	MW-13-011	MW-13-011	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012
	Sample Date	10/3/1995	10/3/1995	9/22/2004	10/3/1995	8/27/2002	11/27/2007	3/26/2008	9/29/2008	12/4/2008	3/24/2009	6/9/2009	9/10/2009	12/16/2009	3/25/2010	6/7/2010	9/8/2010	12/2/2010	3/30/2011	6/15/2011	6/15/2011
	Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD
Chemical	**Unit**																				
Methylcyclohexane	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl-tert-butylether	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Butylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
tert-Butylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	**0.29 F**	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Total Xylenes	ug/L	< 0.5 U	< 0.5 U	< 1.5 U	< 0.5 U	< 0.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 3 U	< 3 U	< 3 U	< 3 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
trans-1,2-Dichloroethene	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Vinyl chloride	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U

Appendix B-2
Groundwater Analytical Data, Site SS013
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

	Location	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016
	Sample Date	6/12/2013	9/17/2013	7/9/2014	9/9/2014	12/9/2014	3/11/2015	11/30/2016	6/1/2017	8/11/2017	11/3/2017	5/8/2018	8/22/2018	9/29/2008	12/4/2008	3/24/2009	6/9/2009	9/10/2009	12/16/2009	12/16/2009	3/25/2010
	Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N
Chemical	**Unit**																				
SVOCs																					
1,1-Biphenyl	ug/L	< 20 U	< 5 U	< 23.3 UM	< 20 UM	< 20 U	< 20 UM	< 9.5 U [< 2.9]	NA	< 2.9	< 2.9	< 2.0	< 1.9	< 11.1 U	< 10.9 U	< 10.4 U	< 0.5 U	< 0.5 UJ	< 0.5 U	< 0.5 U	< 0.5 U
1,2,4-Trichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-Oxybis(1-Chloropropane)	ug/L	NA	NA	NA	NA	NA	NA	< 9.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	ug/L	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dichlorophenol	ug/L	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dimethylphenol	ug/L	< 5 U	< 5 U	< 5.81 UM	< 5 UM	< 5 UJ	< 5 U	< 9.5 U [< 2.9]	< 2.0	< 2.9	< 2.9	< 10	< 9.7	**14.9**	**7.48 F**	< 10.4 U	**4.31**	**2.85 J**	< 1 U	< 1 U	< 1 U
2,4-Dinitrophenol	ug/L	NA	NA	NA	NA	NA	NA	< 48 U [< 9.5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	ug/L	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	ug/L	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	ug/L	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chlorophenol	ug/L	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methyl-4,6-dinitrophenol	ug/L	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylphenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitroaniline	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitrophenol	ug/L	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3-Dichlorobenzidine	ug/L	NA	NA	NA	NA	NA	NA	< 48 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-Nitroaniline	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Bromophenyl phenyl ether	ug/L	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chloro-3-Methylphenol	ug/L	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorophenyl phenyl ether	ug/L	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitrophenol	ug/L	NA	NA	NA	NA	NA	NA	< 24 U [< 9.5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	ug/L	< 5 U	< 5 U	< 5.81 UM	< 5 U	< 5 UJ	< 5 U	< 9.5 U [< 2.9]	< 0.98	< 2.9	< 2.9	< 2.0	< 1.9	**1.61 F**	**1.14 F**	< 10.4 U	**0.33 J**	**0.707 J**	**0.125 F**	**0.11 F**	**0.0625 F**
Acenaphthylene	ug/L	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetophenone	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	ug/L	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Atrazine	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Azobenzene	ug/L	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzaldehyde	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzidine	ug/L	NA	NA	NA	NA	NA	NA	< 95 U [< 19]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	ug/L	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	ug/L	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	ug/L	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene	ug/L	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	ug/L	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzoic Acid	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzyl Alcohol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	ug/L	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethyl)ether	ug/L	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroisopropyl)ether	ug/L	NA	NA	NA	NA	NA	NA	< 2.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	ug/L	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Butyl benzyl phthalate	ug/L	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Caprolactam	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	ug/L	< 20 U	< 5 U	< 23.3 UM	< 20 U	< 20 U	< 20 U	< 9.5 U [< 2.9]	< 0.98	< 2.9	< 2.9	< 2.0	< 1.9	< 11.1 U	< 10.9 U	< 10.4 U	< 1 U	**0.31 F**	< 1 UJ	< 1 UJ	< 1 U
Chrysene	ug/L	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzo(a,h)anthracene	ug/L	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzofuran	ug/L	< 5 U	< 5 U	< 5.81 UM	< 5 UJ	< 5 UJ	< 5 U	< 9.5 U [< 2.9]	< 0.98	< 2.9	< 2.9	< 2.0	< 1.9	< 11.1 U	< 10.9 U	< 10.4 U	< 0.5 UJ	**0.0721 F**	< 0.5 U	< 0.5 U	< 0.5 U
Dichloromethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethyl phthalate	ug/L	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dimethyl phthalate	ug/L	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-butyl phthalate	ug/L	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-octyl phthalate	ug/L	NA	NA	NA	NA	NA	NA	< 14 U [< 9.5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diphenylamine	ug/L	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	ug/L	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluorene	ug/L	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachloro-1,3-butadiene	ug/L	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	ug/L	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachloroethane	ug/L	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	ug/L	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix B-2
Groundwater Analytical Data, Site SS013
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

	Location	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016
	Sample Date	6/12/2013	9/17/2013	7/9/2014	9/9/2014	12/9/2014	3/11/2015	11/30/2016	6/1/2017	8/11/2017	11/3/2017	5/8/2018	8/22/2018	9/29/2008	12/4/2008	3/24/2009	6/9/2009	9/10/2009	12/16/2009	12/16/2009	3/25/2010
	Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N
Chemical	**Unit**																				
Isophorone	ug/L	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	ug/L	< 5 UM	< 5 U	< 5.81 UM	< 5 U	< 5 UJ	< 5 U	< 9.5 U [< 2.9]	< 0.98	< 2.9	< 2.9	< 2.0	< 1.9	NA	**116 M**	< 10.4 U	**48.5 M**	**178 M**	**5.1 J**	**4.11 J**	**3.38**
Nitrobenzene	ug/L	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitrosodi-n-propylamine	ug/L	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitrosodiphenylamine	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitroso-N-methylethylamine	ug/L	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Chloroaniline	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorophenol	ug/L	NA	NA	NA	NA	NA	NA	< 48 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	ug/L	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenol	ug/L	NA	NA	NA	NA	NA	NA	< 14 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	ug/L	NA	NA	NA	NA	NA	NA	< 9.5 U [< 2.9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Xylenes	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs																					
1,1,1,2-Tetrachloroethane	ug/L	NA	NA	NA	NA	NA	NA	< 1 U [< 0.80]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	ug/L	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	ug/L	NA	NA	NA	NA	NA	NA	< 1 U [< 0.80]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-trichloro-1,2,2-trifluoroethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	ug/L	NA	NA	NA	NA	NA	NA	< 1 U [< 0.80]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	ug/L	NA	NA	NA	NA	NA	NA	< 1 U [< 0.80]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	ug/L	NA	NA	NA	NA	NA	NA	< 1 U [< 0.80]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloropropene	ug/L	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	< 1 U [< 0.80]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	ug/L	NA	NA	NA	NA	NA	NA	< 3 U [< 0.80]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	< 1 U [< 0.80]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U [< 0.40]	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	**1.48**	**2.4 F**	< 0.5 U	**0.35 F**	**1.07**	< 1 U	< 1 U	< 1 U
1,2-Dibromo-3-chloropropane	ug/L	NA	NA	NA	NA	NA	NA	< 5 U [< 1.6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane	ug/L	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U [< 0.40]	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.5 U	< 2.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichloroethene, Total	ug/L	NA	NA	NA	NA	NA	NA	< 1 U [< 0.20]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	ug/L	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U [< 0.40]	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	**0.34 F**	< 2.5 U	< 0.5 U	< 1 U	**0.14 F**	< 1 U	< 1 U	< 1 U
1,3-Dichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichloropropane	ug/L	NA	NA	NA	NA	NA	NA	< 1 U [< 0.80]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1-Chlorohexane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-Dichloropropane	ug/L	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	ug/L	NA	NA	NA	NA	NA	NA	< 6 U [< 4.0]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chlorotoluene	ug/L	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorotoluene	ug/L	NA	NA	NA	NA	NA	NA	< 1 U [< 0.80]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	ug/L	NA	NA	NA	NA	NA	NA	< 5 U [< 3.2]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	ug/L	NA	NA	NA	NA	NA	NA	< 10 U [< 6.4]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U [< 0.40]	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	**0.82**	**0.6 F**	< 0.5 U	**0.45 F**	**0.657 F**	**0.12 F**	**0.116 F**	< 1 U
Bromobenzene	ug/L	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromochloromethane	ug/L	NA	NA	NA	NA	NA	NA	< 1 U [< 0.20]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	ug/L	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	ug/L	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane	ug/L	NA	NA	NA	NA	NA	NA	< 2 U [< 0.80]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Disulfide	ug/L	NA	NA	NA	NA	NA	NA	< 2 U [< 1.6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	ug/L	NA	NA	NA	NA	NA	NA	< 2 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CFC-11	ug/L	NA	NA	NA	NA	NA	NA	< 2 U [< 0.80]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CFC-12	ug/L	NA	NA	NA	NA	NA	NA	< 2 U [< 0.80]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorodibromomethane	ug/L	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane	ug/L	NA	NA	NA	NA	NA	NA	< 2 U [< 1.6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	ug/L	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloromethane	ug/L	NA	NA	NA	NA	NA	NA	< 2 U [< 0.80]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	ug/L	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	ug/L	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyclohexane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cymene (p-Isopropyltoluene)	ug/L	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromomethane	ug/L	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichloromethane	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U [< 0.80]	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.5 U	< 2.5 U	< 0.5 U	< 5 U	**1.45 F**	**0.352 F**	< 5 U	< 5 U
Ethylbenzene	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U [< 0.40]	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	**2**	**1.1 F**	< 0.5 U	**0.8 F**	**1.48**	< 1 U	< 1 U	< 1 U
Hexachloro-1,3-butadiene	ug/L	NA	NA	NA	NA	NA	NA	< 1 U [< 0.80]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	ug/L	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m&p-Xylenes	ug/L	NA	NA	NA	NA	NA	NA	< 2 U [< 0.80]	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl N-Butyl Ketone (2-Hexanone)	ug/L	NA	NA	NA	NA	NA	NA	< 5 U [< 4.0]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix B-2
Groundwater Analytical Data, Site SS013
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

	Location	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-012	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016
	Sample Date	6/12/2013	9/17/2013	7/9/2014	9/9/2014	12/9/2014	3/11/2015	11/30/2016	6/1/2017	8/11/2017	11/3/2017	5/8/2018	8/22/2018	9/29/2008	12/4/2008	3/24/2009	6/9/2009	9/10/2009	12/16/2009	12/16/2009	3/25/2010
	Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N
Chemical	**Unit**																				
Methylcyclohexane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl-tert-butylether	ug/L	NA	NA	NA	NA	NA	NA	< 5 U [< 0.80]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	ug/L	< 1 UM	**1.04 J**	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U [< 0.80]	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA
n-Butylbenzene	ug/L	NA	NA	NA	NA	NA	NA	< 1 U [< 0.80]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	ug/L	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	ug/L	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	ug/L	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	ug/L	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
tert-Butylbenzene	ug/L	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	ug/L	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U [< 0.40]	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	**1.19**	**0.75 F**	< 0.5 U	**0.83 F**	**0.713 F**	< 1 U	< 1 U	< 1 U
Total Xylenes	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U [< 0.80]	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	**1.92**	**3.4 F**	< 1.5 U	**0.92 F**	**1.56 F**	< 3 U	< 3 U	< 3 U
trans-1,2-Dichloroethene	ug/L	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	ug/L	NA	NA	NA	NA	NA	NA	< 1 U [< 0.40]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U [< 0.40]	< 0.40	< 0.40	**1.3**	< 0.40	< 0.40	< 0.5 U	< 2.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Vinyl chloride	ug/L	< 1 U	< 1 UJ	< 1 U	< 1 U	< 1 U	< 1 U	< 1.5 U [< 0.20]	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	**6**	**5.05**	< 1 U	**3.51**	**4.12**	**1.04**	**0.941 F**	**0.822 F**

Appendix B-2
Groundwater Analytical Data, Site SS013
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

	Location	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016
	Sample Date	3/25/2010	6/7/2010	9/8/2010	9/8/2010	12/2/2010	3/30/2011	6/15/2011	6/12/2013	6/12/2013	9/17/2013	9/17/2013	12/12/2013	12/12/2013	7/9/2014	7/9/2014	9/9/2014	9/9/2014	12/9/2014	12/9/2014	7/14/2015
	Sample Type	FD	N	N	FD	N	N	N	N	FD	N	FD	N	FD	N	FD	N	FD	N	FD	N
Chemical	**Unit**																				
SVOCs																					
1,1-Biphenyl	ug/L	< 0.543 U	< 22.2 U	< 21.3 UM	< 21.5 UM	< 21.3 U	< 23.3 UM	< 20 U	< 20 U	< 20 U	< 20.4 U	< 5 U	< 20 UM	< 20 UM	< 20 UM	< 22.3 UM	< 20 UM	< 20 UM	< 20 U	< 20 U	< 20 U
1,2,4-Trichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-Oxybis(1-Chloropropane)	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dichlorophenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dimethylphenol	ug/L	< 1.09 U	< 5.56 U	< 5.32 UM	< 5.38 M	< 5.32 U	< 5.81 UM	< 5 U	< 5 U	< 5 U	< 5.1 U	< 5 U	< 5 U	< 5 U	< 5 UM	< 5.59 UM	< 5 UM	< 5 UM	< 5 U	< 5 U	< 5 UJ
2,4-Dinitrophenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chlorophenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methyl-4,6-dinitrophenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylphenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitroaniline	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitrophenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3-Dichlorobenzidine	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-Nitroaniline	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Bromophenyl phenyl ether	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chloro-3-Methylphenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorophenyl phenyl ether	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitrophenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	ug/L	**0.0761 F**	< 5.56 U	< 5.32 UM	< 5.38 UM	< 5.32 U	< 5.81 UM	< 5 U	< 5 U	< 5 U	< 5.1 U	< 5 U	< 5 UJ	< 5 UJ	< 5 UM	< 5.59 UM	< 5 UJ	< 5 UJ	< 5 UJ	< 5 UJ	< 5 U
Acenaphthylene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetophenone	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Atrazine	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Azobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzaldehyde	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzidine	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzoic Acid	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzyl Alcohol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethyl)ether	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroisopropyl)ether	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Butyl benzyl phthalate	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Caprolactam	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	ug/L	< 1.09 U	< 22.2 U	< 21.3 U	< 21.5 U	< 21.3 U	< 23.3 U	< 20 U	< 20 U	< 20 U	< 20.4 U	< 5 U	< 20 U	< 20 U	< 20 UM	< 22.3 UM	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Chrysene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzo(a,h)anthracene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzofuran	ug/L	< 0.543 U	< 5.56 UJ	< 5.32 UM	< 5.38 UM	< 5.32 U	< 5.81 UM	< 5 U	< 5 U	< 5 U	< 5.1 U	< 5 U	< 5 U	< 5 U	< 5 UM	< 5.59 UM	< 5 UJ	< 5 UJ	< 5 U	< 5 U	< 5 U
Dichloromethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethyl phthalate	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dimethyl phthalate	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-butyl phthalate	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-octyl phthalate	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diphenylamine	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluorene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachloro-1,3-butadiene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachloroethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix B-2
Groundwater Analytical Data, Site SS013
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

	Location	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016
	Sample Date	3/25/2010	6/7/2010	9/8/2010	9/8/2010	12/2/2010	3/30/2011	6/15/2011	6/12/2013	6/12/2013	9/17/2013	9/17/2013	12/12/2013	12/12/2013	7/9/2014	7/9/2014	9/9/2014	9/9/2014	12/9/2014	12/9/2014	7/14/2015
	Sample Type	FD	N	N	FD	N	N	N	N	FD	N	FD	N	FD	N	FD	N	FD	N	FD	N
Chemical	**Unit**																				
Isophorone	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	ug/L	**4.01**	< 5.56 U	< 5.32 UM	< 5.38 UM	< 5.32 U	< 5.81 UM	< 5 UM	< 5 UM	< 5 UM	**4 F**	**4.19 F**	< 5 UJ	< 5 UJ	< 5 UM	< 5.59 UM	< 5 UJ	< 5 UJ	< 5 UJ	< 5 UJ	< 5 UM
Nitrobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitrosodi-n-propylamine	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitrosodiphenylamine	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitroso-N-methylethylamine	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Chloroaniline	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorophenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Xylenes	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs																					
1,1,1,2-Tetrachloroethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-trichloro-1,2,2-trifluoroethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloropropene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dibromo-3-chloropropane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichloroethene, Total	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,3-Dichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichloropropane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1-Chlorohexane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-Dichloropropane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chlorotoluene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorotoluene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	ug/L	**0.192 F**	< 1 U	< 1 U	< 1 U	< 1 U	**0.339 F**	< 1 U	**0.193 F**	**0.189 F**	**0.452 F**	**0.419 F**	**0.456 F**	**0.448 F**	**0.36 F**	**0.381 F**	**0.353 F**	**0.401 F**	**0.537 F**	**0.499 F**	**0.498 F**
Bromobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromochloromethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Disulfide	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CFC-11	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CFC-12	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorodibromomethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloromethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyclohexane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cymene (p-Isopropyltoluene)	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromomethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichloromethane	ug/L	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Ethylbenzene	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	**0.269 F**	**0.285 F**	**0.309 F**	**0.283 F**	**0.281 F**	**0.309 F**	**0.322 F**	**0.354 F**	**0.379 F**	**0.394 F**	**0.402 F**
Hexachloro-1,3-butadiene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m&p-Xylenes	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl N-Butyl Ketone (2-Hexanone)	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix B-2
Groundwater Analytical Data, Site SS013
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

	Location	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016
	Sample Date	3/25/2010	6/7/2010	9/8/2010	9/8/2010	12/2/2010	3/30/2011	6/15/2011	6/12/2013	6/12/2013	9/17/2013	9/17/2013	12/12/2013	12/12/2013	7/9/2014	7/9/2014	9/9/2014	9/9/2014	12/9/2014	12/9/2014	7/14/2015
	Sample Type	FD	N	N	FD	N	N	N	N	FD	N	FD	N	FD	N	FD	N	FD	N	FD	N
Chemical	**Unit**																					
Methylcyclohexane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl-tert-butylether	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	ug/L	NA	NA	NA	NA	NA	NA	NA	**3.24 M**	**3.68 M**	**4.29 J**	**6.18 J**	**0.432 J**	**0.348 J**	**2.17 M**	**2.3 M**	**1.05**	**0.981 F**	**0.483 F**	**0.454 F**	**0.295 F**
n-Butylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
tert-Butylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	**1.15**
Total Xylenes	ug/L	< 3 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	**0.566 F**	**0.586 F**	**0.766 F**	**0.761 F**	< 1 U	< 1 U	< 1 U	< 1 U	**0.543 F**	**0.521 F**	< 1 U
trans-1,2-Dichloroethene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Vinyl chloride	ug/L	**0.979 F**	< 1 U	< 1 U	< 1 U	< 1 U	**2**	**0.454 F**	**1**	**1.02**	**2.51 J**	**1.51 J**	**2.5**	**2.05**	**2.05**	**2.1**	**2.22**	**2.23**	**2.79**	**2.78**	**2.42**

Appendix B-2
Groundwater Analytical Data, Site SS013
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

	Location	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-017	MW-13-017	MW-13-017	MW-13-017	MW-13-017	MW-13-017
	Sample Date	9/28/2015	11/23/2015	11/29/2016	2/6/2017	2/6/2017	6/1/2017	8/11/2017	8/11/2017	11/3/2017	2/8/2018	2/8/2018	5/8/2018	8/22/2018	8/22/2018	12/8/2014	3/12/2015	9/28/2015	9/28/2015	11/23/2015	11/23/2015
	Sample Type	N	N	N	N	FD	N	N	FD	N	N	FD	N	N	FD	N	N	N	FD	N	FD
Chemical	**Unit**																				
SVOCs																					
1,1-Biphenyl	ug/L	< 20.4 UM	< 20 UJ	< 2.8 [< 9.5 U]	< 2.8	< 2.8	NA	< 2.9	NA	< 2.9	< 2.9	< 3.0	< 1.9	< 2.0	< 2.0	< 20 U	**7.28 M**	**16.2 M**	**18.3 M**	**7.21 J**	**6.59 J**
1,2,4-Trichlorobenzene	ug/L	NA	NA	< 9.5 U [< 2.8]	< 2.8	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	ug/L	NA	NA	< 9.5 U [< 2.8]	< 2.8	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	ug/L	NA	NA	< 9.5 U [< 2.8]	< 2.8	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	ug/L	NA	NA	< 9.5 U [< 2.8]	< 2.8	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-Oxybis(1-Chloropropane)	ug/L	NA	NA	< 9.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	ug/L	NA	NA	< 9.5 U [< 2.8]	NA	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dichlorophenol	ug/L	NA	NA	< 9.5 U [< 2.8]	NA	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dimethylphenol	ug/L	< 5.1 U	< 5 U	< 9.5 U [< 2.8]	NA	< 2.8	< 1.9	< 2.9	NA	< 2.9	< 2.9	< 3.0	< 9.6	< 10	< 10	< 5 U	**48.8 J**	**37.4**	**41.7**	**8.57**	**9.18**
2,4-Dinitrophenol	ug/L	NA	NA	< 47 U [< 9.5]	NA	< 9.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	ug/L	NA	NA	< 9.5 U [< 2.8]	< 2.8	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	ug/L	NA	NA	< 9.5 U [< 2.8]	< 2.8	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	ug/L	NA	NA	< 9.5 U [< 2.8]	< 2.8	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chlorophenol	ug/L	NA	NA	< 9.5 U [< 2.8]	NA	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methyl-4,6-dinitrophenol	ug/L	NA	NA	< 2.8 [< 9.5 U]	NA	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylphenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitroaniline	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitrophenol	ug/L	NA	NA	< 9.5 U [< 2.8]	NA	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3-Dichlorobenzidine	ug/L	NA	NA	< 47 U [< 2.8]	< 2.8	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-Nitroaniline	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Bromophenyl phenyl ether	ug/L	NA	NA	< 9.5 U [< 2.8]	< 2.8	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chloro-3-Methylphenol	ug/L	NA	NA	< 9.5 U [< 2.8]	NA	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorophenyl phenyl ether	ug/L	NA	NA	< 9.5 U [< 2.8]	< 2.8	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitrophenol	ug/L	NA	NA	< 24 U [< 9.5]	NA	< 9.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	ug/L	< 5.1 U	< 5 U	< 9.5 U [< 2.8]	< 2.8	< 2.8	**0.40**	< 2.9	NA	< 2.9	< 2.9	< 3.0	< 1.9	< 2.0	< 2.0	< 5 UJ	**30.9**	**65**	**72.2**	**29.6**	**26.9**
Acenaphthylene	ug/L	NA	NA	< 9.5 U [< 2.8]	< 2.8	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetophenone	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	ug/L	NA	NA	< 9.5 U [< 2.8]	< 2.8	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Atrazine	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Azobenzene	ug/L	NA	NA	< 9.5 U [< 2.8]	< 2.8	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzaldehyde	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzidine	ug/L	NA	NA	< 95 U [< 19]	< 19	< 19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	ug/L	NA	NA	< 2.8 [< 9.5 U]	< 2.8	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	ug/L	NA	NA	< 9.5 U [< 2.8]	< 2.8	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	ug/L	NA	NA	< 9.5 U [< 2.8]	< 2.8	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene	ug/L	NA	NA	< 9.5 U [< 2.8]	< 2.8	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	ug/L	NA	NA	< 9.5 U [< 2.8]	< 2.8	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzoic Acid	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzyl Alcohol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	ug/L	NA	NA	< 9.5 U [< 2.8]	< 2.8	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethyl)ether	ug/L	NA	NA	< 9.5 U [< 2.8]	< 2.8	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroisopropyl)ether	ug/L	NA	NA	< 2.8	< 2.8	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	ug/L	NA	NA	< 9.5 U [< 2.8]	**5.1**	**3.8**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Butyl benzyl phthalate	ug/L	NA	NA	< 9.5 U [< 2.8]	< 2.8	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Caprolactam	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	ug/L	< 20.4 U	< 20 U	< 9.5 U [< 2.8]	< 2.8	< 2.8	< 0.97	< 2.9	NA	< 2.9	< 2.9	< 3.0	< 1.9	< 2.0	< 2.0	< 20 U	**19 F**	**29.3**	**32.2**	**9.48 F**	**9.84 F**
Chrysene	ug/L	NA	NA	< 9.5 U [< 2.8]	< 2.8	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzo(a,h)anthracene	ug/L	NA	NA	< 9.5 U [< 2.8]	< 2.8	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzofuran	ug/L	< 5.1 UJ	< 5 U	< 9.5 U [< 2.8]	< 2.8	< 2.8	< 0.97	< 2.9	NA	< 2.9	< 2.9	< 3.0	< 1.9	< 2.0	< 2.0	< 5 U	**10.3 J**	**28.3**	**31.4**	**12.8**	**12**
Dichloromethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethyl phthalate	ug/L	NA	NA	< 9.5 U [< 2.8]	**2.9**	**1.1**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dimethyl phthalate	ug/L	NA	NA	< 9.5 U [< 2.8]	< 2.8	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-butyl phthalate	ug/L	NA	NA	< 9.5 U [< 2.8]	**3.1**	**2.9**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-octyl phthalate	ug/L	NA	NA	< 9.5 [< 14 U]	< 9.5	< 9.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diphenylamine	ug/L	NA	NA	< 9.5 U [< 2.8]	< 2.8	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	ug/L	NA	NA	< 9.5 U [< 2.8]	< 2.8	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluorene	ug/L	NA	NA	< 9.5 U [< 2.8]	< 2.8	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachloro-1,3-butadiene	ug/L	NA	NA	< 2.8 [< 9.5 U]	< 2.8	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobenzene	ug/L	NA	NA	< 9.5 U [< 2.8]	< 2.8	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	ug/L	NA	NA	< 9.5 U [< 2.8]	< 2.8	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachloroethane	ug/L	NA	NA	< 9.5 U [< 2.8]	< 2.8	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	ug/L	NA	NA	< 9.5 U [< 2.8]	< 2.8	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix B-2
Groundwater Analytical Data, Site SS013
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

	Location	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-017	MW-13-017	MW-13-017	MW-13-017	MW-13-017	MW-13-017
	Sample Date	9/28/2015	11/23/2015	11/29/2016	2/6/2017	2/6/2017	6/1/2017	8/11/2017	8/11/2017	11/3/2017	2/8/2018	2/8/2018	5/8/2018	8/22/2018	8/22/2018	12/8/2014	3/12/2015	9/28/2015	9/28/2015	11/23/2015	11/23/2015
	Sample Type	N	N	N	N	FD	N	N	FD	N	N	FD	N	N	FD	N	N	N	FD	N	FD
Chemical	**Unit**																				
Isophorone	ug/L	NA	NA	< 9.5 U [< 2.8]	< 2.8	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	ug/L	< 5.1 U	< 5 U	< 9.5 U [< 2.8]	< 2.8	< 2.8	< 0.97	< 2.9	NA	< 2.9	< 2.9	< 3.0	< 1.9	< 2.0	< 2.0	**21.7 J**	**664**	**754**	**836**	**331**	**329**
Nitrobenzene	ug/L	NA	NA	< 9.5 U [< 2.8]	< 2.8	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitrosodi-n-propylamine	ug/L	NA	NA	< 9.5 U [< 2.8]	< 2.8	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitrosodiphenylamine	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitroso-N-methylethylamine	ug/L	NA	NA	< 9.5 U [< 2.8]	< 2.8	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Chloroaniline	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorophenol	ug/L	NA	NA	< 47 U [< 2.8]	NA	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	ug/L	NA	NA	< 9.5 U [< 2.8]	< 2.8	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenol	ug/L	NA	NA	< 14 U [< 2.8]	NA	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	ug/L	NA	NA	< 9.5 U [< 2.8]	< 2.8	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Xylenes	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs																					
1,1,1,2-Tetrachloroethane	ug/L	NA	NA	< 1 U [< 0.80]	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	ug/L	NA	NA	< 1 U [< 0.40]	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	ug/L	NA	NA	< 1 U [< 0.80]	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-trichloro-1,2,2-trifluoroethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	ug/L	NA	NA	< 1 U [< 0.80]	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	ug/L	NA	NA	< 1 U [< 0.80]	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	ug/L	NA	NA	< 1 U [< 0.80]	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloropropene	ug/L	NA	NA	< 1 U [< 0.40]	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	ug/L	NA	NA	< 1 U [< 0.80]	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	ug/L	NA	NA	< 3 U [< 0.80]	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	ug/L	NA	NA	< 1 U [< 0.80]	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	ug/L	< 1 U	< 1 U	< 1 U [< 0.40]	< 0.40	NA	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 1 U	**5.81**	**8.05 F**	**8.02 F**	**2.07 F**	**2.03 F**
1,2-Dibromo-3-chloropropane	ug/L	NA	NA	< 5 U [< 1.6]	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane	ug/L	NA	NA	< 0.40 [< 1 U]	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	ug/L	NA	NA	< 1 U [< 0.40]	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	ug/L	< 1 U	< 1 U	< 1 U [< 0.40]	< 0.40	NA	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 1 U	< 1 U	< 10 U	< 10 U	< 5 U	< 5 U
1,2-Dichloroethene, Total	ug/L	NA	NA	< 0.20 [< 1 U]	**0.31**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	ug/L	NA	NA	< 1 U [< 0.40]	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	ug/L	< 1 U	< 1 U	< 0.40 [< 1 U]	< 0.40	NA	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 1 U	**1.93**	< 10 U	< 10 U	< 5 U	< 5 U
1,3-Dichlorobenzene	ug/L	NA	NA	< 1 U [< 0.40]	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichloropropane	ug/L	NA	NA	< 1 U [< 0.80]	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	ug/L	NA	NA	< 1 U [< 0.40]	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1-Chlorohexane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-Dichloropropane	ug/L	NA	NA	< 1 U [< 0.40]	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	ug/L	NA	NA	< 4.0 [< 6 UQ]	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chlorotoluene	ug/L	NA	NA	< 1 U [< 0.40]	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorotoluene	ug/L	NA	NA	< 1 U [< 0.80]	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	ug/L	NA	NA	< 3.2 [< 5 U]	< 3.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	ug/L	NA	NA	< 10 U [< 6.4]	< 6.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	ug/L	**0.566 F**	**0.537 F**	< 1 U [< 0.40]	**0.34**	NA	**0.39**	**0.58**	**0.58**	**0.41**	**0.51**	**0.54**	**0.48**	**0.53**	**0.55**	< 1 U	**0.659 F**	**1.33 F**	**1.37 F**	< 5 U	< 5 U
Bromobenzene	ug/L	NA	NA	< 1 U [< 0.40]	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromochloromethane	ug/L	NA	NA	< 1 U [< 0.20]	< 0.20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	ug/L	NA	NA	< 1 U [< 0.40]	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	ug/L	NA	NA	< 1 U [< 0.40]	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane	ug/L	NA	NA	< 2 U [< 0.80]	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Disulfide	ug/L	NA	NA	< 2 U [< 1.6]	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	ug/L	NA	NA	< 2 U [< 0.40]	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CFC-11	ug/L	NA	NA	< 0.80 [< 2 U]	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CFC-12	ug/L	NA	NA	< 0.80 [< 2 U]	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	ug/L	NA	NA	< 1 U [< 0.40]	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorodibromomethane	ug/L	NA	NA	< 0.40 [< 1 U]	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane	ug/L	NA	NA	< 2 U [< 1.6]	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	ug/L	NA	NA	< 1 U [< 0.40]	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloromethane	ug/L	NA	NA	< 2 U [< 0.80]	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	ug/L	NA	NA	< 0.40 [< 1 U]	**0.31**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	ug/L	NA	NA	< 1 U [< 0.40]	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyclohexane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cymene (p-Isopropyltoluene)	ug/L	NA	NA	< 0.40 [< 1 U]	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromomethane	ug/L	NA	NA	< 1 U [< 0.40]	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichloromethane	ug/L	< 1 U	< 1 U	< 0.80 [< 5 U]	< 0.80	NA	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 1 U	< 1 U	< 10 U	< 10 U	< 5 U	< 5 U
Ethylbenzene	ug/L	**0.361 F**	**0.43 F**	< 1 U [< 0.40]	**0.20**	NA	**0.19**	**0.30**	**0.29**	**0.18**	**0.20**	**0.19**	**0.23**	**0.18**	**0.18**	< 1 U	**2.54**	**4.17 F**	**4.18 F**	< 5 U	< 5 U
Hexachloro-1,3-butadiene	ug/L	NA	NA	< 0.80 [< 1 U]	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	ug/L	NA	NA	< 0.40 [< 1 U]	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m&p-Xylenes	ug/L	NA	NA	< 0.80 [< 2 U]	< 0.80	NA	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA
Methyl Acetate	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl N-Butyl Ketone (2-Hexanone)	ug/L	NA	NA	< 5 U [< 4.0]	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix B-2
Groundwater Analytical Data, Site SS013
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

	Location	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-016	MW-13-017	MW-13-017	MW-13-017	MW-13-017	MW-13-017	MW-13-017
	Sample Date	9/28/2015	11/23/2015	11/29/2016	2/6/2017	2/6/2017	6/1/2017	8/11/2017	8/11/2017	11/3/2017	2/8/2018	2/8/2018	5/8/2018	8/22/2018	8/22/2018	12/8/2014	3/12/2015	9/28/2015	9/28/2015	11/23/2015	11/23/2015
	Sample Type	N	N	N	N	FD	N	N	FD	N	N	FD	N	N	FD	N	N	N	FD	N	FD
Chemical	**Unit**																				
Methylcyclohexane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl-tert-butylether	ug/L	NA	NA	< 0.80 [< 5 U]	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	ug/L	< 1 U	**0.221 F**	**0.87 J [0.87]**	< 0.80	NA	< 0.80	**0.25**	< 0.80	< 0.80	< 0.80	< 0.80	**0.32**	< 0.80	< 0.80	**0.882 F**	**1790**	**1960**	**1950**	**578**	**544**
n-Butylbenzene	ug/L	NA	NA	< 1 U [< 0.80]	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	ug/L	NA	NA	< 1 U [< 0.40]	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	ug/L	NA	NA	< 0.40 [< 1 U]	< 0.40	NA	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	**0.36**	< 0.40	< 0.40	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	ug/L	NA	NA	< 1 U [< 0.40]	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	ug/L	NA	NA	< 1 U [< 0.40]	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
tert-Butylbenzene	ug/L	NA	NA	< 1 U [< 0.40]	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	ug/L	NA	NA	< 0.40 [< 1 U]	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	ug/L	**0.321 F**	**0.263 F**	< 1 U [< 0.40]	< 0.40	NA	**0.19**	< 0.40	< 0.40	**0.21**	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 1 U	**2.02**	**3.27 F**	**3.64 F**	< 5 U	< 5 U
Total Xylenes	ug/L	< 1 U	< 1 U	< 0.80 [< 2 U]	< 0.80	NA	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	**0.36**	< 0.80	< 0.80	< 1 U	**6.67**	**9.49 F**	**9.01 F**	< 5 U	< 5 U
trans-1,2-Dichloroethene	ug/L	NA	NA	< 1 U [< 0.40]	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	ug/L	NA	NA	< 1 U [< 0.40]	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	ug/L	< 1 U	< 1 U	< 0.40 [< 1 U]	< 0.40	NA	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 1 U	< 1 U	< 10 U	< 10 U	< 5 U	< 5 U
Vinyl chloride	ug/L	**4.08**	**2.83**	**1.7 [1.7]**	**2.1**	NA	**1.7**	**2.6**	**3.2**	**1.7**	**2.8**	**3.3**	**3.1**	**3.0**	**3.3**	< 1 U	**5.64**	**16.6**	**16**	**1.99 F**	**1.79 F**

Appendix B-2
Groundwater Analytical Data, Site SS013
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

	Location	MW-13-017	MW-13-017	MW-13-018	MW-13-019	MW-13-019	MW-13-019	MW-13-020	MW-13-020	MW-13-020	MW-13-020	MW-13-021	MW-13-021	MW-13-021	MW-13-021	MW-13-022	MW-13-022	MW-13-022	MW-13-023	MW-13-023	MW-13-023
	Sample Date	11/29/2016	2/6/2017	12/16/2014	12/8/2014	3/12/2015	8/11/2017	12/9/2014	3/12/2015	2/6/2017	2/6/2017	12/16/2014	3/17/2015	2/6/2017	8/11/2017	12/16/2014	3/16/2015	8/11/2017	12/8/2014	3/16/2015	11/29/2016
	Sample Type	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N
Chemical	**Unit**																				
SVOCs																					
1,1-Biphenyl	ug/L	< 2.9 [< 9.6 U]	< 2.9	< 20 U	**4.38 F**	< 20 UM	**1.0**	< 20 UJ	< 20 UM	< 2.8	NA	**3.87 F**	< 20 UM	< 2.9	< 2.9	< 20 U	< 20 UM	< 2.9	< 20 U	< 20 UM	< 2.8 [< 9.5 U]
1,2,4-Trichlorobenzene	ug/L	< 2.9 [< 9.6 U]	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8	NA	NA	NA	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8 [< 9.5 U]
1,2,4-Trimethylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	ug/L	< 2.9 [< 9.6 U]	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8	NA	NA	NA	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8 [< 9.5 U]
1,2-Dichloroethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	ug/L	< 2.9 [< 9.6 U]	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8	NA	NA	NA	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8 [< 9.5 U]
1,4-Dichlorobenzene	ug/L	< 2.9 [< 9.6 U]	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8	NA	NA	NA	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8 [< 9.5 U]
2,2-Oxybis(1-Chloropropane)	ug/L	< 9.6 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 9.5 U
2,4,5-Trichlorophenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	ug/L	< 2.9 [< 9.6 U]	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2.8 [< 9.5 U]
2,4-Dichlorophenol	ug/L	< 2.9 [< 9.6 U]	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2.8 [< 9.5 U]
2,4-Dimethylphenol	ug/L	< 2.9 [< 9.6 U]	< 2.9	< 5 U	< 5 U	< 5 UJ	< 2.9	< 5 UJ	**32.8 J**	< 2.8	NA	**11.4**	**2.93 F**	NA	< 2.9	< 5 U	< 5 U	< 2.9	< 5 U	**3.97 F**	**1.1 [1.1 J]**
2,4-Dinitrophenol	ug/L	< 9.6 [< 48 U]	< 9.5	NA	NA	NA	NA	NA	NA	< 9.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 9.5 [< 47 U]
2,4-Dinitrotoluene	ug/L	< 2.9 [< 9.6 U]	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8	NA	NA	NA	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8 [< 9.5 U]
2,6-Dinitrotoluene	ug/L	< 2.9 [< 9.6 U]	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8	NA	NA	NA	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8 [< 9.5 U]
2-Chloronaphthalene	ug/L	< 2.9 [< 9.6 U]	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8	NA	NA	NA	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8 [< 9.5 U]
2-Chlorophenol	ug/L	< 2.9 [< 9.6 U]	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2.8 [< 9.5 U]
2-Methyl-4,6-dinitrophenol	ug/L	< 2.9 [< 9.6 U]	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2.8 [< 9.5 U]
2-Methylnaphthalene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylphenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitroaniline	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitrophenol	ug/L	< 2.9 [< 9.6 U]	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2.8 [< 9.5 U]
3,3-Dichlorobenzidine	ug/L	< 2.9 [< 48 U]	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8	NA	NA	NA	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8 [< 47 U]
3-Nitroaniline	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Bromophenyl phenyl ether	ug/L	< 2.9 [< 9.6 U]	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8	NA	NA	NA	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8 [< 9.5 U]
4-Chloro-3-Methylphenol	ug/L	< 2.9 [< 9.6 U]	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2.8 [< 9.5 U]
4-Chlorophenyl phenyl ether	ug/L	< 2.9 [< 9.6 U]	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8	NA	NA	NA	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8 [< 9.5 U]
4-Methylphenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitrophenol	ug/L	< 9.6 [< 24 U]	< 9.5	NA	NA	NA	NA	NA	NA	< 9.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 9.5 [< 24 U]
Acenaphthene	ug/L	< 2.9 [< 9.6 U]	< 2.9	< 5 U	**4.18 F**	**3.05 F**	**3.9**	< 5 UJ	**36.2**	< 2.8	NA	**17.9**	**9.76 J**	< 2.9	< 2.9	< 5 UJ	< 5 U	< 2.9	< 5 UJ	**11.4**	< 2.8 [< 9.5 U]
Acenaphthylene	ug/L	< 2.9 [< 9.6 U]	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8	NA	NA	NA	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8 [< 9.5 U]
Acetophenone	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	ug/L	< 2.9 [< 9.6 U]	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8	NA	NA	NA	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8 [< 9.5 U]
Atrazine	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Azobenzene	ug/L	< 2.9 [< 9.6 U]	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8	NA	NA	NA	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8 [< 9.5 U]
Benzaldehyde	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzidine	ug/L	< 19 [< 96 U]	< 19	NA	NA	NA	NA	NA	NA	< 19	NA	NA	NA	< 19	NA	NA	NA	NA	NA	NA	< 19 [< 95 U]
Benzo(a)anthracene	ug/L	< 2.9 [< 9.6 U]	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8	NA	NA	NA	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8 [< 9.5 U]
Benzo(a)pyrene	ug/L	< 2.9 [< 9.6 U]	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8	NA	NA	NA	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8 [< 9.5 U]
Benzo(b)fluoranthene	ug/L	< 2.9 [< 9.6 U]	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8	NA	NA	NA	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8 [< 9.5 U]
Benzo(g,h,i)perylene	ug/L	< 2.9 [< 9.6 U]	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8	NA	NA	NA	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8 [< 9.5 U]
Benzo(k)fluoranthene	ug/L	< 2.9 [< 9.6 U]	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8	NA	NA	NA	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8 [< 9.5 U]
Benzoic Acid	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzyl Alcohol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	ug/L	< 2.9 [< 9.6 U]	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8	NA	NA	NA	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8 [< 9.5 U]
bis(2-Chloroethyl)ether	ug/L	< 2.9 [< 9.6 U]	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8	NA	NA	NA	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8 [< 9.5 U]
bis(2-Chloroisopropyl)ether	ug/L	< 2.9	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8	NA	NA	NA	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8
bis(2-Ethylhexyl)phthalate	ug/L	< 2.9 [< 9.6 U]	**3.9**	NA	NA	NA	NA	NA	NA	< 2.8	NA	NA	NA	**5.5**	NA	NA	NA	NA	NA	NA	< 2.8 [< 9.5 U]
Butyl benzyl phthalate	ug/L	< 2.9 [< 9.6 U]	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8	NA	NA	NA	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8 [< 9.5 U]
Caprolactam	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	ug/L	< 2.9 [< 9.6 U]	< 2.9	< 20 U	< 20 U	< 20 U	< 2.9	< 20 UJ	**18.8 F**	< 2.8	NA	**7.36 F**	< 20 U	< 2.9	< 2.9	**3.05 F**	< 20 U	< 2.9	< 20 U	**4.97 F**	< 2.8 [< 9.5 U]
Chrysene	ug/L	< 2.9 [< 9.6 U]	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8	NA	NA	NA	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8 [< 9.5 U]
Dibenzo(a,h)anthracene	ug/L	< 2.9 [< 9.6 U]	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8	NA	NA	NA	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8 [< 9.5 U]
Dibenzofuran	ug/L	< 2.9 [< 9.6 U]	< 2.9	< 5 U	**2.63 F**	< 5 U	**2.6**	< 5 UJ	**11.8 J**	< 2.8	NA	**5.12**	< 5 U	< 2.9	< 2.9	< 5 U	< 5 U	< 2.9	< 5 U	**3.72 F**	< 2.8 [< 9.5 U]
Dichloromethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethyl phthalate	ug/L	< 2.9 [< 9.6 U]	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8	NA	NA	NA	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8 [< 9.5 U]
Dimethyl phthalate	ug/L	< 2.9 [< 9.6 U]	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8	NA	NA	NA	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8 [< 9.5 U]
Di-n-butyl phthalate	ug/L	< 2.9 [< 9.6 U]	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8	NA	NA	NA	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8 [< 9.5 U]
Di-n-octyl phthalate	ug/L	< 9.6 [< 14 U]	< 9.5	NA	NA	NA	NA	NA	NA	**5.4**	NA	NA	NA	**4.4**	NA	NA	NA	NA	NA	NA	< 9.5 [< 14 U]
Diphenylamine	ug/L	< 2.9 [< 9.6 U]	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8	NA	NA	NA	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8 [< 9.5 U]
Ethylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	ug/L	< 2.9 [< 9.6 U]	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8	NA	NA	NA	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8 [< 9.5 U]
Fluorene	ug/L	< 2.9 [< 9.6 U]	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8	NA	NA	NA	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8 [< 9.5 U]
Hexachloro-1,3-butadiene	ug/L	< 2.9 [< 9.6 U]	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8	NA	NA	NA	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8 [< 9.5 U]
Hexachlorobenzene	ug/L	< 2.9 [< 9.6 U]	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8	NA	NA	NA	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8 [< 9.5 U]
Hexachlorocyclopentadiene	ug/L	< 2.9 [< 9.6 U]	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8	NA	NA	NA	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8 [< 9.5 U]
Hexachloroethane	ug/L	< 2.9 [< 9.6 U]	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8	NA	NA	NA	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8 [< 9.5 U]
Indeno(1,2,3-cd)pyrene	ug/L	< 2.9 [< 9.6 U]	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8	NA	NA	NA	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8 [< 9.5 U]

Appendix B-2
Groundwater Analytical Data, Site SS013
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

	Location	MW-13-017	MW-13-017	MW-13-018	MW-13-019	MW-13-019	MW-13-019	MW-13-020	MW-13-020	MW-13-020	MW-13-020	MW-13-021	MW-13-021	MW-13-021	MW-13-021	MW-13-022	MW-13-022	MW-13-022	MW-13-023	MW-13-023	MW-13-023
	Sample Date	11/29/2016	2/6/2017	12/16/2014	12/8/2014	3/12/2015	8/11/2017	12/9/2014	3/12/2015	2/6/2017	2/6/2017	12/16/2014	3/17/2015	2/6/2017	8/11/2017	12/16/2014	3/16/2015	8/11/2017	12/8/2014	3/16/2015	11/29/2016
	Sample Type	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N
Chemical	**Unit**																				
Isophorone	ug/L	< 2.9 [< 9.6 U]	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8	NA	NA	NA	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8 [< 9.5 U]
Naphthalene	ug/L	< 2.9 [< 9.6 U]	< 2.9	< 5 U	< 5 UJ	< 5 U	< 2.9	**17.4 J**	**621**	< 2.8	NA	**301 J**	**243 J**	**3.1**	< 2.9	< 5 UJ	**2.52 F**	< 2.9	**23 J**	**223**	**45 [45]**
Nitrobenzene	ug/L	< 2.9 [< 9.6 U]	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8	NA	NA	NA	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8 [< 9.5 U]
N-Nitrosodi-n-propylamine	ug/L	< 2.9 [< 9.6 U]	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8	NA	NA	NA	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8 [< 9.5 U]
N-Nitrosodiphenylamine	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitroso-N-methylethylamine	ug/L	< 2.9 [< 9.6 U]	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8	NA	NA	NA	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8 [< 9.5 U]
p-Chloroaniline	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorophenol	ug/L	< 2.9 [< 48 U]	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2.8 [< 47 U]
Phenanthrene	ug/L	< 2.9 [< 9.6 U]	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8	NA	NA	NA	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8 [< 9.5 U]
Phenol	ug/L	< 2.9 [< 14 U]	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2.8 [< 14 U]
Pyrene	ug/L	< 2.9 [< 9.6 U]	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8	NA	NA	NA	< 2.9	NA	NA	NA	NA	NA	NA	< 2.8 [< 9.5 U]
Toluene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Xylenes	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs																					
1,1,1,2-Tetrachloroethane	ug/L	< 0.80 [< 1 U]	< 0.80	NA	NA	NA	NA	NA	NA	< 0.80	< 0.80	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	< 0.80 [< 1 U]
1,1,1-Trichloroethane	ug/L	< 0.40 [< 1 U]	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40	< 0.40	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40 [< 1 U]
1,1,2,2-Tetrachloroethane	ug/L	< 0.80 [< 1 U]	< 0.80	NA	NA	NA	NA	NA	NA	< 0.80	< 0.80	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	< 0.80 [< 1 U]
1,1,2-trichloro-1,2,2-trifluoroethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	ug/L	< 0.80 [< 1 U]	< 0.80	NA	NA	NA	NA	NA	NA	< 0.80	< 0.80	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	< 0.80 [< 1 U]
1,1-Dichloroethane	ug/L	< 0.80 [< 1 U]	< 0.80	NA	NA	NA	NA	NA	NA	< 0.80	< 0.80	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	< 0.80 [< 1 U]
1,1-Dichloroethene	ug/L	< 0.80 [< 1 U]	< 0.80	NA	NA	NA	NA	NA	NA	< 0.80	< 0.80	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	< 0.80 [< 1 U]
1,1-Dichloropropene	ug/L	< 0.40 [< 1 U]	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40	< 0.40	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40 [< 1 U]
1,2,3-Trichlorobenzene	ug/L	< 0.80 [< 1 U]	< 0.80	NA	NA	NA	NA	NA	NA	< 0.80	< 0.80	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	< 0.80 [< 1 U]
1,2,3-Trichloropropane	ug/L	< 0.80 [< 3 U]	< 0.80	NA	NA	NA	NA	NA	NA	< 0.80	< 0.80	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	< 0.80 [< 3 U]
1,2,4-Trichlorobenzene	ug/L	< 0.80 [< 1 U]	< 0.80	NA	NA	NA	NA	NA	NA	< 0.80	< 0.80	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	< 0.80 [< 1 U]
1,2,4-Trimethylbenzene	ug/L	< 0.40 [< 1 U]	< 0.40	< 1 U	**59.7**	**17.9**	**0.56**	**2.04**	**6.16**	**0.24**	**0.30**	**3.56**	**2.01 F**	**0.24**	**0.25**	< 1 U	**2.16**	**1.0**	**76.3**	**30.4**	**28 [28]**
1,2-Dibromo-3-chloropropane	ug/L	< 1.6 [< 5 U]	< 1.6	NA	NA	NA	NA	NA	NA	< 1.6	< 1.6	NA	NA	< 1.6	NA	NA	NA	NA	NA	NA	< 1.6 [< 5 U]
1,2-Dibromoethane	ug/L	< 0.40 [< 1 U]	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40	< 0.40	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40 [< 1 U]
1,2-Dichlorobenzene	ug/L	< 0.40 [< 1 U]	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40	< 0.40	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40 [< 1 U]
1,2-Dichloroethane	ug/L	< 0.40 [< 1 U]	< 0.40	< 1 U	< 1 U	< 1 U	< 0.40	< 1 U	< 1 U	< 0.40	< 0.40	< 1 U	< 2.5 U	< 0.40	< 0.40	< 1 U	< 1 U	< 0.40	< 1 U	**0.556 F**	< 0.40 [< 1 U]
1,2-Dichloroethene, Total	ug/L	< 0.20 [< 1 U]	< 0.20	NA	NA	NA	NA	NA	NA	< 0.20	< 0.20	NA	NA	< 0.20	NA	NA	NA	NA	NA	NA	< 0.20 [< 1 U]
1,2-Dichloropropane	ug/L	< 0.40 [< 1 U]	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40	< 0.40	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40 [< 1 U]
1,3,5-Trimethylbenzene	ug/L	< 0.40 [< 1 U]	< 0.40	< 1 U	**1.42**	**0.333 F**	**0.64**	**1.61**	**2.37**	**0.32**	**0.32**	**1.22**	< 2.5 U	**0.46**	< 0.40	< 1 U	< 1 U	**0.55**	**20.1**	**0.474 F**	< 0.40 [< 1 U]
1,3-Dichlorobenzene	ug/L	< 0.40 [< 1 U]	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40	< 0.40	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40 [< 1 U]
1,3-Dichloropropane	ug/L	< 0.80 [< 1 U]	< 0.80	NA	NA	NA	NA	NA	NA	< 0.80	< 0.80	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	< 0.80 [< 1 U]
1,4-Dichlorobenzene	ug/L	< 0.40 [< 1 U]	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40	< 0.40	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40 [< 1 U]
1-Chlorohexane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-Dichloropropane	ug/L	< 0.40 [< 1 U]	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40	< 0.40	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40 [< 1 U]
2-Butanone (MEK)	ug/L	< 4.0 [< 6 UQ]	< 4.0	NA	NA	NA	NA	NA	NA	**4.0**	**4.6**	NA	NA	**13**	NA	NA	NA	NA	NA	NA	**9.7 [9.7 QJ]**
2-Chlorotoluene	ug/L	< 0.40 [< 1 U]	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40	< 0.40	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40 [< 1 U]
4-Chlorotoluene	ug/L	< 0.80 [< 1 U]	< 0.80	NA	NA	NA	NA	NA	NA	< 0.80	< 0.80	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	< 0.80 [< 1 U]
4-Methyl-2-Pentanone	ug/L	< 3.2 [< 5 U]	< 3.2	NA	NA	NA	NA	NA	NA	< 3.2	< 3.2	NA	NA	< 3.2	NA	NA	NA	NA	NA	NA	< 3.2 [< 5 U]
Acetone	ug/L	< 6.4 [< 10 U]	< 6.4	NA	NA	NA	NA	NA	NA	**3.3**	**4.8**	NA	NA	**4.5**	NA	NA	NA	NA	NA	NA	**2.0 [2 J]**
Benzene	ug/L	< 0.40 [< 1 U]	< 0.40	< 1 U	**0.164 F**	< 1 U	< 0.40	< 1 U	**1.23**	< 0.40	< 0.40	**1.09**	**0.955 F**	**0.55**	**0.30**	**0.469 F**	**0.219 F**	< 0.40	< 1 U	**1.11**	< 0.40 [< 1 U]
Bromobenzene	ug/L	< 0.40 [< 1 U]	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40	< 0.40	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40 [< 1 U]
Bromochloromethane	ug/L	< 0.20 [< 1 U]	< 0.20	NA	NA	NA	NA	NA	NA	< 0.20	< 0.20	NA	NA	< 0.20	NA	NA	NA	NA	NA	NA	< 0.20 [< 1 U]
Bromodichloromethane	ug/L	< 0.40 [< 1 U]	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40	< 0.40	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40 [< 1 U]
Bromoform	ug/L	< 0.40 [< 1 U]	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40	< 0.40	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40 [< 1 U]
Bromomethane	ug/L	< 0.80 [< 2 U]	< 0.80	NA	NA	NA	NA	NA	NA	< 0.80	< 0.80	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	< 0.80 [< 2 U]
Carbon Disulfide	ug/L	< 1.6 [< 2 U]	< 1.6	NA	NA	NA	NA	NA	NA	< 1.6	< 1.6	NA	NA	< 1.6	NA	NA	NA	NA	NA	NA	< 1.6 [< 2 U]
Carbon Tetrachloride	ug/L	< 0.40 [< 2 U]	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40	< 0.40	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40 [< 2 U]
CFC-11	ug/L	< 0.80 [< 2 U]	< 0.80	NA	NA	NA	NA	NA	NA	< 0.80	< 0.80	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	< 0.80 [< 2 U]
CFC-12	ug/L	< 0.80 [< 2 U]	< 0.80	NA	NA	NA	NA	NA	NA	< 0.80	< 0.80	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	< 0.80 [< 2 U]
Chlorobenzene	ug/L	< 0.40 [< 1 U]	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40	< 0.40	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40 [< 1 U]
Chlorodibromomethane	ug/L	< 0.40 [< 1 U]	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40	< 0.40	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40 [< 1 U]
Chloroethane	ug/L	< 1.6 [< 2 U]	< 1.6	NA	NA	NA	NA	NA	NA	< 1.6	< 1.6	NA	NA	< 1.6	NA	NA	NA	NA	NA	NA	< 1.6 [< 2 U]
Chloroform	ug/L	< 0.40 [< 1 U]	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40	< 0.40	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40 [< 1 U]
Chloromethane	ug/L	< 0.80 [< 2 U]	< 0.80	NA	NA	NA	NA	NA	NA	< 0.80	< 0.80	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	< 0.80 [< 2 U]
cis-1,2-Dichloroethene	ug/L	< 0.40 [< 1 U]	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40	< 0.40	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40 [< 1 U]
cis-1,3-Dichloropropene	ug/L	< 0.40 [< 1 U]	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40	< 0.40	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40 [< 1 U]
Cyclohexane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cymene (p-Isopropyltoluene)	ug/L	< 0.40 [< 1 U]	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40	< 0.40	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40 [< 1 U]
Dibromomethane	ug/L	< 0.40 [< 1 U]	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40	< 0.40	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40 [< 1 U]
Dichloromethane	ug/L	< 0.80 [< 5 U]	< 0.80	< 1 U	< 1 U	< 1 U	< 0.80	< 1 U	< 1 U	< 0.80	< 0.80	< 1 U	< 2.5 U	< 0.80	< 0.80	< 1 U	< 1 U	< 0.80	< 1 U	< 1 U	< 0.80 [< 5 U]
Ethylbenzene	ug/L	< 0.40 [< 1 U]	< 0.40	< 1 U	< 1 U	< 1 U	< 0.40	**0.857 F**	**4.06**	**0.31**	**0.41**	**4.59**	**3.59**	**0.24**	< 0.40	< 1 U	< 1 U	< 0.40	**0.339 F**	**3.06**	< 0.40 [< 1 U]
Hexachloro-1,3-butadiene	ug/L	< 0.80 [< 1 U]	< 0.80	NA	NA	NA	NA	NA	NA	< 0.80	< 0.80	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	< 0.80 [< 1 U]
Isopropylbenzene	ug/L	< 0.40 [< 1 U]	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40	< 0.40	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	**1.0 [1]**
m&p-Xylenes	ug/L	< 0.80 [< 2 U]	< 0.80	NA	NA	NA	**0.42**	NA	NA	< 0.80	< 0.80	NA	NA	**0.69**	**0.64**	NA	NA	**0.50**	NA	NA	**7.0 [7]**
Methyl Acetate	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl N-Butyl Ketone (2-Hexanone)	ug/L	< 4.0 [< 5 U]	< 4.0	NA	NA	NA	NA	NA	NA	< 4.0	< 4.0	NA	NA	**3.2**	NA	NA	NA	NA	NA	NA	< 4.0 [< 5 U]

Appendix B-2
Groundwater Analytical Data, Site SS013
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

	Location	MW-13-017	MW-13-017	MW-13-018	MW-13-019	MW-13-019	MW-13-019	MW-13-020	MW-13-020	MW-13-020	MW-13-020	MW-13-021	MW-13-021	MW-13-021	MW-13-021	MW-13-022	MW-13-022	MW-13-022	MW-13-023	MW-13-023	MW-13-023
	Sample Date	11/29/2016	2/6/2017	12/16/2014	12/8/2014	3/12/2015	8/11/2017	12/9/2014	3/12/2015	2/6/2017	2/6/2017	12/16/2014	3/17/2015	2/6/2017	8/11/2017	12/16/2014	3/16/2015	8/11/2017	12/8/2014	3/16/2015	11/29/2016
	Sample Type	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N
Chemical	**Unit**																				
Methylcyclohexane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl-tert-butylether	ug/L	< 0.80 [< 5 U]	< 0.80	NA	NA	NA	NA	NA	NA	< 0.80	< 0.80	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	< 0.80 [< 5 U]
Naphthalene	ug/L	< 0.80 [< 1 U]	< 0.80	< 1 U	**4.2**	**72.5**	**2.5**	**40.6**	**2120**	< 0.80	**11**	**776**	**437**	**4.1**	**2.4**	**0.733 F**	**3.16**	**2.0**	**111**	**720**	**73 [73]**
n-Butylbenzene	ug/L	< 0.80 [< 1 U]	< 0.80	NA	NA	NA	NA	NA	NA	< 0.80	< 0.80	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	< 0.80 [< 1 U]
n-Propylbenzene	ug/L	< 0.40 [< 1 U]	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40	< 0.40	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	**1.4 [1.4]**
o-Xylene	ug/L	< 0.40 [< 1 U]	< 0.40	NA	NA	NA	**1.6**	NA	NA	< 0.40	< 0.40	NA	NA	**0.30**	**0.34**	NA	NA	< 0.40	NA	NA	< 0.40 [< 1 U]
sec-Butylbenzene	ug/L	< 0.40 [< 1 U]	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40	< 0.40	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40 [< 1 U]
Styrene (Monomer)	ug/L	< 0.40 [< 1 U]	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40	< 0.40	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40 [< 1 U]
tert-Butylbenzene	ug/L	< 0.40 [< 1 U]	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40	< 0.40	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40 [< 1 U]
Tetrachloroethene	ug/L	< 0.40 [< 1 U]	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40	< 0.40	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40 [< 1 U]
Toluene	ug/L	< 0.40 [< 1 U]	< 0.40	< 1 U	< 1 U	< 1 U	< 0.40	< 1 U	**2.75**	< 0.40	< 0.40	**2.26**	**1.62 F**	**0.72**	**0.48**	< 1 U	< 1 U	< 0.40	< 1 U	**2.24**	**0.70 [0.7 J]**
Total Xylenes	ug/L	< 0.80 [< 2 U]	< 0.80	< 1 U	**2.41**	**1.42**	**2.0**	**1.54**	**8.53**	< 0.80	< 0.80	**5.47**	**4.07**	**0.99**	**0.98**	< 1 U	**1.39**	**0.50**	**22.9**	**12.2**	**7.0 [7]**
trans-1,2-Dichloroethene	ug/L	< 0.40 [< 1 U]	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40	< 0.40	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40 [< 1 U]
trans-1,3-Dichloropropene	ug/L	< 0.40 [< 1 U]	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40	< 0.40	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	< 0.40 [< 1 U]
Trichloroethene	ug/L	< 0.40 [< 1 U]	< 0.40	< 1 U	< 1 U	< 1 U	< 0.40	< 1 U	< 1 U	< 0.40	< 0.40	< 1 U	< 2.5 U	< 0.40	< 0.40	< 1 U	< 1 U	< 0.40	< 1 U	< 1 U	< 0.40 [< 1 U]
Vinyl chloride	ug/L	< 0.20 [< 1.5 U]	< 0.20	< 1 U	**9.91**	**9.56**	**0.17**	< 1 U	**7.71**	**0.11**	**0.42**	**4.52**	**2.91**	< 0.20	< 0.20	**4.37**	**2.29**	**2.0**	< 1 U	**5.96**	< 0.20 [< 1.5 U]

Appendix B-2
Groundwater Analytical Data, Site SS013
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

	Location	MW-13-023	MW-13-023	MW-13-024	MW-13-024	MW-13-024	MW-13-025	MW-13-025	MW-13-025	MW-13-026	MW-13-027	MW-13-028	MW-13-029	MW-13-030	MW-13-031	MW-13-032	MW-13-032	MW-13-033	SW-13-004	SW-13-004	SW-13-004
	Sample Date	2/6/2017	8/11/2017	12/15/2014	3/17/2015	8/11/2017	12/15/2014	3/11/2015	8/11/2017	12/16/2014	12/17/2014	12/17/2014	12/16/2014	12/17/2014	12/17/2014	12/8/2014	3/16/2015	12/16/2014	3/30/2011	3/30/2011	6/15/2011
	Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N
Chemical	**Unit**																				
SVOCs																					
1,1-Biphenyl	ug/L	< 2.9	< 2.9	< 20 U	< 20 UM	**1.1**	< 20 U	< 20 UM	< 2.9	< 22 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 UM	< 20 U	< 22.2 UM	< 21.1 UM	< 20 U
1,2,4-Trichlorobenzene	ug/L	< 2.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	ug/L	< 2.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	ug/L	< 2.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	ug/L	< 2.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-Oxybis(1-Chloropropane)	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dichlorophenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dimethylphenol	ug/L	NA	< 2.9	< 5 U	< 5 U	NA	< 5 U	< 5 U	< 2.9	< 5.49 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5.56 UM	< 5.26 UM	< 5 U
2,4-Dinitrophenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	ug/L	< 2.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	ug/L	< 2.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	ug/L	< 2.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chlorophenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methyl-4,6-dinitrophenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylphenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitroaniline	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitrophenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3-Dichlorobenzidine	ug/L	< 2.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-Nitroaniline	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Bromophenyl phenyl ether	ug/L	< 2.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chloro-3-Methylphenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorophenyl phenyl ether	ug/L	< 2.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitrophenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	ug/L	**2.3**	**1.9**	**3.37 F**	**4.17 F**	**2.1**	< 5 UJ	< 5 U	< 2.9	< 5.49 UJ	< 5 UJ	< 5 UJ	< 5 UJ	< 5 UJ	< 5 UJ	< 5 U	< 5 U	< 5 U	< 5.56 UM	< 5.26 UM	< 5 UJ
Acenaphthylene	ug/L	< 2.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetophenone	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	ug/L	< 2.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Atrazine	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Azobenzene	ug/L	< 2.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzaldehyde	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzidine	ug/L	< 19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	ug/L	< 2.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	ug/L	< 2.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	ug/L	< 2.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene	ug/L	< 2.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	ug/L	< 2.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzoic Acid	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzyl Alcohol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	ug/L	< 2.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethyl)ether	ug/L	< 2.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroisopropyl)ether	ug/L	< 2.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	ug/L	**4.2**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Butyl benzyl phthalate	ug/L	< 2.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Caprolactam	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	ug/L	< 2.9	< 2.9	< 20 U	< 20 U	< 2.9	< 20 U	< 20 U	< 2.9	< 22 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 22.2 U	< 21.1 U	< 20 U
Chrysene	ug/L	< 2.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzo(a,h)anthracene	ug/L	< 2.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzofuran	ug/L	< 2.9	< 2.9	< 5 UJ	< 5 U	**1.3**	< 5 UJ	< 5 U	< 2.9	< 5.49 U	< 5 U	< 5 U	< 5 U	< 5 UJ	< 5 UJ	< 5 U	< 5 U	< 5 U	< 5.56 UM	< 5.26 UM	< 5 U
Dichloromethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethyl phthalate	ug/L	< 2.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dimethyl phthalate	ug/L	< 2.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-butyl phthalate	ug/L	< 2.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-octyl phthalate	ug/L	< 9.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diphenylamine	ug/L	< 2.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	ug/L	< 2.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluorene	ug/L	**0.96**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachloro-1,3-butadiene	ug/L	< 2.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobenzene	ug/L	< 2.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	ug/L	< 2.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachloroethane	ug/L	< 2.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	ug/L	< 2.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix B-2
Groundwater Analytical Data, Site SS013
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

	Location	MW-13-023	MW-13-023	MW-13-024	MW-13-024	MW-13-024	MW-13-025	MW-13-025	MW-13-025	MW-13-026	MW-13-027	MW-13-028	MW-13-029	MW-13-030	MW-13-031	MW-13-032	MW-13-032	MW-13-033	SW-13-004	SW-13-004	SW-13-004
	Sample Date	2/6/2017	8/11/2017	12/15/2014	3/17/2015	8/11/2017	12/15/2014	3/11/2015	8/11/2017	12/16/2014	12/17/2014	12/17/2014	12/16/2014	12/17/2014	12/17/2014	12/8/2014	3/16/2015	12/16/2014	3/30/2011	3/30/2011	6/15/2011
	Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N
Chemical	**Unit**																				
Isophorone	ug/L	< 2.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	ug/L	**18**	**14**	**21.2**	**25.7 J**	**9.2**	**30.4 J**	**19.3**	**17**	< 5.49 UJ	< 5 UJ	< 5 UJ	< 5 UJ	< 5 UJ	< 5 UJ	< 5 U	< 5 U	< 5 U	< 5.56 UM	< 5.26 UM	< 5 UM
Nitrobenzene	ug/L	< 2.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitrosodi-n-propylamine	ug/L	< 2.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitrosodiphenylamine	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitroso-N-methylethylamine	ug/L	< 2.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Chloroaniline	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorophenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	ug/L	< 2.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	ug/L	< 2.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Xylenes	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs																					
1,1,1,2-Tetrachloroethane	ug/L	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	ug/L	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	ug/L	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-trichloro-1,2,2-trifluoroethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	ug/L	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	ug/L	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	ug/L	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloropropene	ug/L	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	ug/L	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	ug/L	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	ug/L	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	ug/L	**18**	**58**	**76.4**	**41.1**	**38**	**104**	< 1 U	**38**	**0.335 F**	< 1 U	< 1 U	**0.626 F**	< 1 U	< 1 U	< 1	**0.436 F**	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dibromo-3-chloropropane	ug/L	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane	ug/L	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	ug/L	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	ug/L	< 0.40	< 0.40	< 1 U	< 1 U	< 0.40	< 1 U	< 1 U	< 0.40	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	**0.343 F**	< 1 U	< 1 U	< 1 U
1,2-Dichloroethene, Total	ug/L	< 0.20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	ug/L	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	ug/L	**1.1**	< 0.40	**38.9**	**41.2**	**12**	**25**	**12.1**	**12**	**0.369 F**	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,3-Dichlorobenzene	ug/L	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichloropropane	ug/L	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	ug/L	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1-Chlorohexane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-Dichloropropane	ug/L	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	ug/L	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chlorotoluene	ug/L	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorotoluene	ug/L	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	ug/L	< 3.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	ug/L	< 6.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	ug/L	**0.21**	< 0.40	**0.172 F**	< 1 U	< 0.40	**1.02**	**0.353 F**	**0.78**	**0.284 F**	**0.212 F**	< 1 U	**0.339 F**	< 1 U	**0.336 F**	< 1 U	**0.302 F**	**0.533 F**	< 1 U	< 1 U	< 1 U
Bromobenzene	ug/L	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromochloromethane	ug/L	< 0.20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	ug/L	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	ug/L	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane	ug/L	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Disulfide	ug/L	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	ug/L	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CFC-11	ug/L	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CFC-12	ug/L	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	ug/L	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorodibromomethane	ug/L	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane	ug/L	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	ug/L	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloromethane	ug/L	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	ug/L	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	ug/L	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyclohexane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cymene (p-Isopropyltoluene)	ug/L	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromomethane	ug/L	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichloromethane	ug/L	< 0.80	< 0.80	< 1 U	< 1 U	< 0.80	< 1 U	< 1 U	< 0.80	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Ethylbenzene	ug/L	**0.57**	< 0.40	**6.13**	**1.65**	**1.6**	**0.561 F**	< 1 U	**0.46**	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Hexachloro-1,3-butadiene	ug/L	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	ug/L	**1.1**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m&p-Xylenes	ug/L	**2.0**	**8.4**	NA	NA	**12**	NA	NA	**13**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl N-Butyl Ketone (2-Hexanone)	ug/L	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix B-2
Groundwater Analytical Data, Site SS013
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

	Location	MW-13-023	MW-13-023	MW-13-024	MW-13-024	MW-13-024	MW-13-025	MW-13-025	MW-13-025	MW-13-026	MW-13-027	MW-13-028	MW-13-029	MW-13-030	MW-13-031	MW-13-032	MW-13-032	MW-13-033	SW-13-004	SW-13-004	SW-13-004
	Sample Date	2/6/2017	8/11/2017	12/15/2014	3/17/2015	8/11/2017	12/15/2014	3/11/2015	8/11/2017	12/16/2014	12/17/2014	12/17/2014	12/16/2014	12/17/2014	12/17/2014	12/8/2014	3/16/2015	12/16/2014	3/30/2011	3/30/2011	6/15/2011
	Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N
Chemical	**Unit**																				
Methylcyclohexane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl-tert-butylether	ug/L	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	ug/L	**140**	**76**	**59.3**	**6.14**	**25**	**83.8**	**24.2**	**47**	< 1 U	< 1 U	< 1 U	< 1 U	**0.384 F**	< 1 U	< 1 U	**1.89**	**0.548 F**	NA	NA	NA
n-Butylbenzene	ug/L	**0.71**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	ug/L	**1.3**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	ug/L	**0.56**	**0.31**	NA	NA	**0.70**	NA	NA	**0.58**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	ug/L	**0.50**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	ug/L	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
tert-Butylbenzene	ug/L	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	ug/L	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	ug/L	**0.70**	**0.56**	**0.505 F**	**0.442 F**	**0.39**	**0.501 F**	< 1 U	**0.31**	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Total Xylenes	ug/L	**2.6**	**8.7**	**33.2**	**31.1**	**13**	**54.5**	< 1 U	**14**	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
trans-1,2-Dichloroethene	ug/L	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	ug/L	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	ug/L	< 0.40	< 0.40	< 1 U	< 1 U	< 0.40	< 1 U	< 1 U	< 0.40	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	**4.17**	**4.12**	**5.02**
Vinyl chloride	ug/L	**0.81**	< 0.20	< 1 U	< 1 U	< 0.20	**1.01**	**4.32**	**0.91**	< 1 U	< 1 U	**0.487 F**	< 1 U	< 1 U	**0.621 F**	**3.57**	< 1 U	**1.52**	< 1 U	< 1 U	< 1 U

	Location	SW-13-004	SW-13-005	SW-13-006	SW-23-002	SW-23-002	SW-23-002	SW-23-002
	Sample Date	11/3/2017	6/15/2011	6/15/2011	12/28/2006	12/11/2007	6/22/2011	6/22/2011
	Sample Type	N	N	N	N	N	N	FD
Chemical	**Unit**							
SVOCs								
1,1-Biphenyl	ug/L	< 2.9	< 20 U	< 20 U	NA	NA	NA	NA
1,2,4-Trichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	ug/L	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA
2,2-Oxybis(1-Chloropropane)	ug/L	NA	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	ug/L	NA	NA	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	ug/L	NA	NA	NA	NA	NA	NA	NA
2,4-Dichlorophenol	ug/L	NA	NA	NA	NA	NA	NA	NA
2,4-Dimethylphenol	ug/L	< 2.9	< 5 U	< 5 U	NA	NA	NA	NA
2,4-Dinitrophenol	ug/L	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	ug/L	NA	NA	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	ug/L	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	ug/L	NA	NA	NA	NA	NA	NA	NA
2-Chlorophenol	ug/L	NA	NA	NA	NA	NA	NA	NA
2-Methyl-4,6-dinitrophenol	ug/L	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	ug/L	NA	NA	NA	NA	NA	NA	NA
2-Methylphenol	ug/L	NA	NA	NA	NA	NA	NA	NA
2-Nitroaniline	ug/L	NA	NA	NA	NA	NA	NA	NA
2-Nitrophenol	ug/L	NA	NA	NA	NA	NA	NA	NA
3,3-Dichlorobenzidine	ug/L	NA	NA	NA	NA	NA	NA	NA
3-Nitroaniline	ug/L	NA	NA	NA	NA	NA	NA	NA
4-Bromophenyl phenyl ether	ug/L	NA	NA	NA	NA	NA	NA	NA
4-Chloro-3-Methylphenol	ug/L	NA	NA	NA	NA	NA	NA	NA
4-Chlorophenyl phenyl ether	ug/L	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	ug/L	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	ug/L	NA	NA	NA	NA	NA	NA	NA
4-Nitrophenol	ug/L	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	ug/L	< 2.9	< 5 U	< 5 UJ	NA	NA	NA	NA
Acenaphthylene	ug/L	NA	NA	NA	NA	NA	NA	NA
Acetophenone	ug/L	NA	NA	NA	NA	NA	NA	NA
Anthracene	ug/L	NA	NA	NA	NA	NA	NA	NA
Atrazine	ug/L	NA	NA	NA	NA	NA	NA	NA
Azobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA
Benzaldehyde	ug/L	NA	NA	NA	NA	NA	NA	NA
Benzene	ug/L	NA	NA	NA	NA	NA	NA	NA
Benzidine	ug/L	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	ug/L	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	ug/L	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	ug/L	NA	NA	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene	ug/L	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	ug/L	NA	NA	NA	NA	NA	NA	NA
Benzoic Acid	ug/L	NA	NA	NA	NA	NA	NA	NA
Benzyl Alcohol	ug/L	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	ug/L	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethyl)ether	ug/L	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroisopropyl)ether	ug/L	NA	NA	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	ug/L	NA	NA	NA	< 10.2 U	R	< 5.56 U	< 5.32 U
Butyl benzyl phthalate	ug/L	NA	NA	NA	NA	NA	NA	NA
Caprolactam	ug/L	NA	NA	NA	NA	NA	NA	NA
Carbazole	ug/L	< 2.9	< 20 U	< 20 U	NA	NA	NA	NA
Chrysene	ug/L	NA	NA	NA	NA	NA	NA	NA
Dibenzo(a,h)anthracene	ug/L	NA	NA	NA	NA	NA	NA	NA
Dibenzofuran	ug/L	< 2.9	< 5 U	< 5 U	NA	NA	NA	NA
Dichloromethane	ug/L	NA	NA	NA	NA	NA	NA	NA
Diethyl phthalate	ug/L	NA	NA	NA	NA	NA	NA	NA
Dimethyl phthalate	ug/L	NA	NA	NA	NA	NA	NA	NA
Di-n-butyl phthalate	ug/L	NA	NA	NA	NA	NA	NA	NA
Di-n-octyl phthalate	ug/L	NA	NA	NA	NA	NA	NA	NA
Diphenylamine	ug/L	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	ug/L	NA	NA	NA	NA	NA	NA	NA
Fluorene	ug/L	NA	NA	NA	NA	NA	NA	NA
Hexachloro-1,3-butadiene	ug/L	NA	NA	NA	NA	NA	NA	NA
Hexachlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	ug/L	NA	NA	NA	NA	NA	NA	NA
Hexachloroethane	ug/L	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	ug/L	NA	NA	NA	NA	NA	NA	NA

	Location	SW-13-004	SW-13-005	SW-13-006	SW-23-002	SW-23-002	SW-23-002	SW-23-002
	Sample Date	11/3/2017	6/15/2011	6/15/2011	12/28/2006	12/11/2007	6/22/2011	6/22/2011
	Sample Type	N	N	N	N	N	N	FD
Chemical	**Unit**							
Isophorone	ug/L	NA	NA	NA	NA	NA	NA	NA
Naphthalene	ug/L	< 2.9	< 5 UM	< 5 UM	< 10.2 U	R	< 5.56 U	< 5.32 UJ
Nitrobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA
N-Nitrosodi-n-propylamine	ug/L	NA	NA	NA	NA	NA	NA	NA
N-Nitrosodiphenylamine	ug/L	NA	NA	NA	NA	NA	NA	NA
N-Nitroso-N-methylethylamine	ug/L	NA	NA	NA	NA	NA	NA	NA
p-Chloroaniline	ug/L	NA	NA	NA	NA	NA	NA	NA
Pentachlorophenol	ug/L	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	ug/L	NA	NA	NA	NA	NA	NA	NA
Phenol	ug/L	NA	NA	NA	NA	NA	NA	NA
Pyrene	ug/L	NA	NA	NA	NA	NA	NA	NA
Toluene	ug/L	NA	NA	NA	NA	NA	NA	NA
Total Xylenes	ug/L	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	ug/L	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	ug/L	NA	NA	NA	NA	NA	NA	NA
VOCs								
1,1,1,2-Tetrachloroethane	ug/L	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	ug/L	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	ug/L	NA	NA	NA	NA	NA	NA	NA
1,1,2-trichloro-1,2,2-trifluoroethane	ug/L	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	ug/L	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	ug/L	NA	NA	NA	< 0.5 U	< 0.5 U	< 1 U	< 1 U
1,1-Dichloroethene	ug/L	NA	NA	NA	< 0.5 U	< 0.5 U	< 1 U	< 1 U
1,1-Dichloropropene	ug/L	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	ug/L	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	ug/L	< 0.40	< 1 U	< 1 U	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	ug/L	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane	ug/L	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	ug/L	< 0.40	< 1 U	< 1 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U
1,2-Dichloroethene, Total	ug/L	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	ug/L	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	ug/L	< 0.40	< 1 U	< 1 U	NA	NA	NA	NA
1,3-Dichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA
1,3-Dichloropropane	ug/L	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA
1-Chlorohexane	ug/L	NA	NA	NA	NA	NA	NA	NA
2,2-Dichloropropane	ug/L	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	ug/L	NA	NA	NA	< 5 U	R	< 5 U	< 5 U
2-Chlorotoluene	ug/L	NA	NA	NA	NA	NA	NA	NA
4-Chlorotoluene	ug/L	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	ug/L	NA	NA	NA	NA	NA	NA	NA
Acetone	ug/L	NA	NA	NA	NA	NA	NA	NA
Benzene	ug/L	< 0.40	< 1 U	< 1 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U
Bromobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA
Bromochloromethane	ug/L	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	ug/L	NA	NA	NA	NA	NA	NA	NA
Bromoform	ug/L	NA	NA	NA	NA	NA	NA	NA
Bromomethane	ug/L	NA	NA	NA	NA	NA	NA	NA
Carbon Disulfide	ug/L	NA	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	ug/L	NA	NA	NA	NA	NA	NA	NA
CFC-11	ug/L	NA	NA	NA	NA	NA	NA	NA
CFC-12	ug/L	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	ug/L	NA	NA	NA	< 0.5 U	< 0.5 U	< 1 U	< 1 U
Chlorodibromomethane	ug/L	NA	NA	NA	NA	NA	NA	NA
Chloroethane	ug/L	NA	NA	NA	< 0.5 U	< 0.5 U	< 1 U	< 1 U
Chloroform	ug/L	NA	NA	NA	< 0.5 U	< 0.5 U	**0.296 F**	**0.311 F**
Chloromethane	ug/L	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	ug/L	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	ug/L	NA	NA	NA	NA	NA	NA	NA
Cyclohexane	ug/L	NA	NA	NA	NA	NA	NA	NA
Cymene (p-Isopropyltoluene)	ug/L	NA	NA	NA	NA	NA	NA	NA
Dibromomethane	ug/L	NA	NA	NA	NA	NA	NA	NA
Dichloromethane	ug/L	< 0.80	< 1 U	< 1 U	NA	NA	NA	NA
Ethylbenzene	ug/L	< 0.40	< 1 U	< 1 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U
Hexachloro-1,3-butadiene	ug/L	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA
m&p-Xylenes	ug/L	< 0.80	NA	NA	NA	NA	NA	NA
Methyl Acetate	ug/L	NA	NA	NA	NA	NA	NA	NA
Methyl N-Butyl Ketone (2-Hexanone)	ug/L	NA	NA	NA	NA	NA	NA	NA

Appendix B-2
Groundwater Analytical Data, Site SS013
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

	Location	SW-13-004	SW-13-005	SW-13-006	SW-23-002	SW-23-002	SW-23-002	SW-23-002
	Sample Date	11/3/2017	6/15/2011	6/15/2011	12/28/2006	12/11/2007	6/22/2011	6/22/2011
	Sample Type	N	N	N	N	N	N	FD
Chemical	**Unit**							
Methylcyclohexane	ug/L	NA	NA	NA	NA	NA	NA	NA
Methyl-tert-butylether	ug/L	NA	NA	NA	< 0.5 U	< 0.5 U	< 1 U	< 1 U
Naphthalene	ug/L	< 0.80	NA	NA	NA	NA	NA	NA
n-Butylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA
o-Xylene	ug/L	< 0.40	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	ug/L	NA	NA	NA	NA	NA	NA	NA
tert-Butylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	ug/L	NA	NA	NA	NA	NA	NA	NA
Toluene	ug/L	< 0.40	< 1 U	< 1 U	NA	NA	NA	NA
Total Xylenes	ug/L	< 0.80	< 1 U	< 1 U	< 1.5 U	< 1.5 U	< 1 U	< 1 U
trans-1,2-Dichloroethene	ug/L	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	ug/L	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	ug/L	< 0.40	**6.39**	< 1 U	NA	NA	NA	NA
Vinyl chloride	ug/L	< 0.20	< 1 U	< 1 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U

Notes:

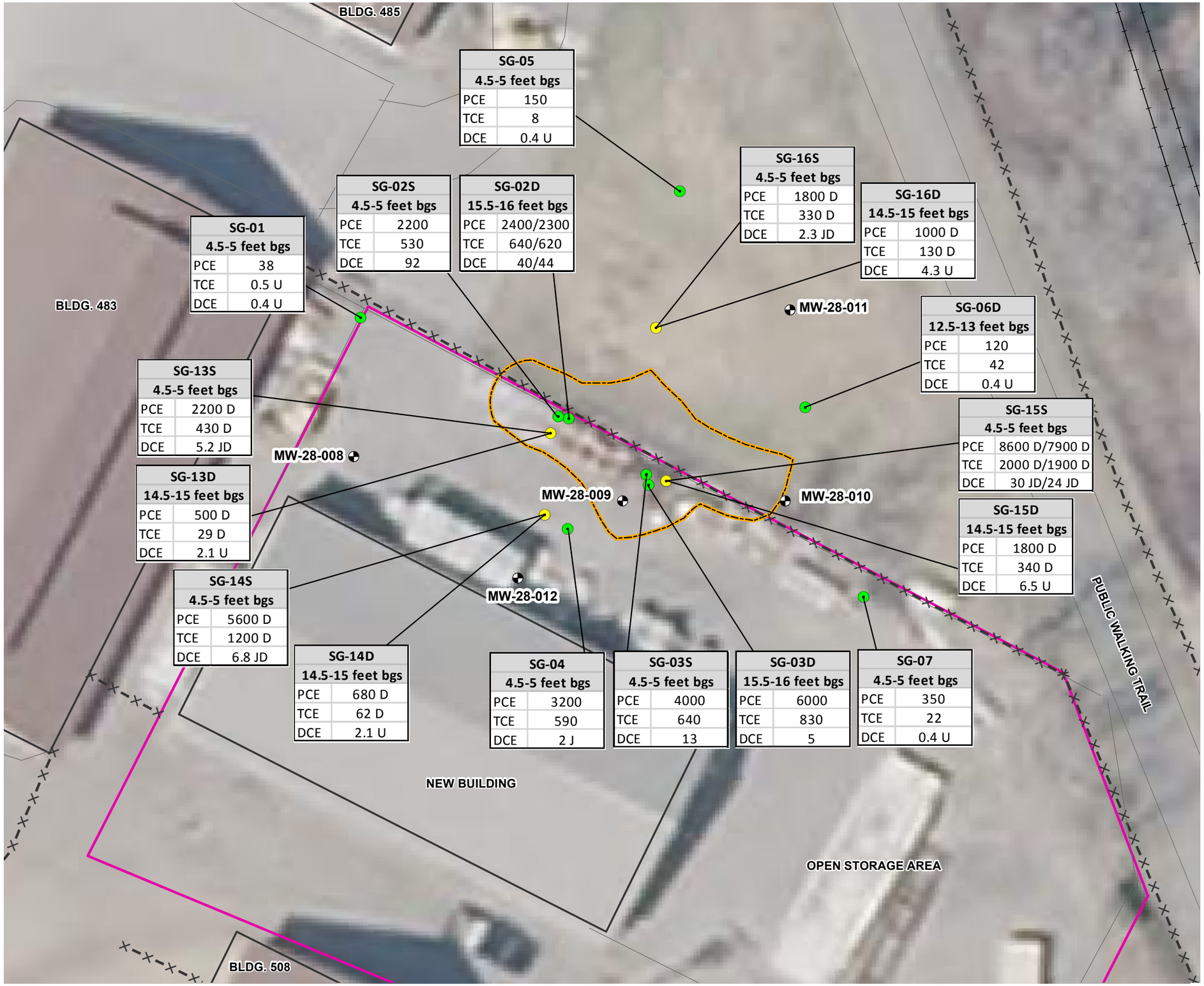
Detections are **boldfaced**

µg/L: micrograms per liter
D: duplicate sample
mg/L: miligrams per liter
N: normal (parent) sample
NA: not analyzed
SVOC: semi-volatile organic compound
VOC: volatile organic compound

Data Qualifiers:
D: Concentration is based on a diluted sample analysis.
J: The compound was positively identified; however, the associated numerical value is an estimated concentration only.
U: The compound was analyzed for but not detected. The associated value is the compound quantitation limit.
UJ: The compound was not detected above the reported sample quantitation limit. However, the reported limit is approximate and may or may not represent the actual limit of quantitation.

APPENDIX B-3

Site SS028



LEGEND:

- Monitoring Well
- 2012 Soil Gas Sample (URS 2012)
- 2017 Soil Gas Sample
- Fence Line
- Delaware and Hudson Railroad
- Excavation Area (1998-1999)
- Site Boundary

Abbreviations:
PCE = Tetrachloroethene (µg/m^3)
TCE = Trichloroethene (µg/m^3)
DCE = Total 1,2-Dicloroethene (µg/m^3)
D = Concentration is based on a diluted sample analysis
J = Laboratory Estimated Result
U= Result Below Laboratory Detection Limit
/ = Duplicate Result

0 20 40
SCALE IN FEET

FORMER PLATTSBURGH AIR FORCE BASE
PLATTSBURGH, NEW YORK
FIFTH FIVE-YEAR REVIEW

SOIL GAS RESULTS

ARCADIS

APPENDIX
B-3

Citrix DIV/GROUP: ENV/IMDV DB: LD: PIC: PM: TM:
PROJECT: PATH: \\corpstorage\Data\ArcGisData\GISProjects_ENV\AFCEC_Plattsburgh\GIS\ArcMap_MXD\QA Project Plan\Work Plan\2018\Fig2_SS028_SoilGasResults.mxd DATE: 4/9/2018 11:30:21 AM Saved By: sbell

APPENDIX B-4

Landfill LF021

Appendix B-4
Groundwater Analytical Data, Landfill LF021
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-21-001	MW-21-001	MW-21-001	MW-21-002	MW-21-002	MW-21-002	MW-21-002	MW-21-002	MW-21-002	MW-21-002	MW-21-002	MW-21-002	MW-21-002	MW-21-002	MW-21-002
		Sample Date	12/9/1987	11/16/1993	1/11/1994	12/9/1987	11/16/1993	1/11/1994	2/15/1994	3/1/2001	5/29/2001	8/21/2001	11/14/2001	2/19/2002	5/21/2002	8/19/2002	11/18/2002
		Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**															
Aluminum	D	ug/L	**29**	NA	NA	< 200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	NA	NA	NA	NA	NA	NA	NA	**16400**	**2770 M**	**2305 MJ**	**1824 MJ**	**2654 M**	**927 M**	**R**	**1362 M**
Antimony	D	ug/L	< 60	NA	NA	< 60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	NA	NA	NA	NA	NA	NA	NA	< 4.1 U	**3.99 F**	**6.5 F**	< 50 U	**6.8 F**	**10.6 F**	< 50 U	**4.2 F**
Arsenic	D	ug/L	**2.9**	< 1	< 1	**2**	**1.4**	< 1	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	ug/L	NA	**3.8**	**6**	NA	**5.4**	**2**	NA	< 4.4 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U
Barium	D	ug/L	**79**	**81**	**206**	**85**	**165**	**163**	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	ug/L	NA	**265**	**657**	NA	**188**	**196**	NA	**306**	**157**	**140 J**	**154**	**175 J**	**141 J**	**149 J**	**168**
Beryllium	D	ug/L	< 5	NA	NA	< 5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	**0.89 B**	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 4 U
Cadmium	D	ug/L	< 5	< 2.3	< 2.3	< 5	**4.3**	< 2.3	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	ug/L	NA	**3.5**	< 2.3	NA	< 2.3	< 2.3	< 2.3	< 0.4 U	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	**0.23 F**
Calcium	D	ug/L	**114000**	NA	NA	**178000**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	NA	NA	NA	NA	NA	NA	**255000**	**292000**	**164000 M**	**150475 M**	**176155 M**	**171302**	**142384 M**	**137959**	**151214 M**
Chromium	D	ug/L	< 10	< 4.4	< 4.4	< 10	< 4.4	< 4.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	ug/L	NA	**11.2**	**4.5**	NA	**5.1**	**7.3**	NA	**38.6**	**7.37 F**	**6.6 F**	**6.1 F**	**8.5 F**	**3.4 F**	**1.9 F**	**3.5 F**
Cobalt	D	ug/L	**7.4**	NA	NA	**49**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	NA	NA	NA	NA	NA	NA	NA	**20.3**	**7.57 J**	**6.2**	**5.8 F**	**9**	**5.2 F**	**2.9 F**	**3.9 F**
Copper	D	ug/L	< 25	NA	NA	< 25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	NA	NA	NA	NA	NA	NA	NA	**30.6 J**	< 10 U	**3.9 F**	**7.1 F**	**12.7**	< 10 U	**2.1 F**	**2.1 F**
Iron	D	ug/L	**130**	NA	NA	**8360**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	NA	NA	NA	NA	NA	NA	**224000**	**26200**	**5110 M**	**3412 M**	**3826 M**	**4952 M**	**2292 M**	**2469**	**4144**
Lead	D	ug/L	< 5	< 1	< 1	< 5	**1.2**	< 1	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	ug/L	NA	**20.7**	**59.2**	NA	**2.9**	**3.3**	**7.3**	**23.3 J**	**30.3**	**2.9 F**	**5.3 F**	**3.8 F**	**3.6 F**	**3.7 F**	**8.1 F**
Magnesium	D	ug/L	**47500**	NA	NA	**41700**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	NA	NA	NA	NA	NA	NA	**89600**	**108000**	**56300 M**	**52258 M**	**65627**	**63080**	**51464 J**	**49686**	**54644**
Manganese	D	ug/L	**1230**	NA	NA	**3350**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	NA	NA	NA	NA	NA	NA	**2010**	**2500**	**1390**	**1138**	**1421**	**1529**	**1281 J**	**1208 J**	**1375**
Mercury	D	ug/L	NA	< 0.2	< 0.2	NA	< 0.2	< 0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	NA	< 0.2	< 0.2	NA	< 0.2	< 0.2	NA	< 0.1 U	< 1 U	**0.28 F**	< 0.4 U	< 1 UM	< 1 U	< 1 U	< 1 U
Molybdenum	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	D	ug/L	< 40	NA	NA	**37**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	NA	NA	NA	NA	NA	NA	NA	**28.7 J**	**8.34 F**	**8 F**	**8.6 F**	**14.2**	< 10 U	**2.2 F**	**3.5 F**
Potassium	D	ug/L	**5900**	NA	NA	**2440**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	NA	NA	NA	NA	NA	NA	**12400**	**11700**	**6990**	**7059 J**	**6624**	**6939**	**6538 J**	**6859 J**	**7307 M**
Selenium	D	ug/L	NA	< 1	< 1	NA	< 1	< 1	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	NA	< 1	**1.6**	NA	< 1	**2.9**	NA	< 9.9 U	**16.4 F**	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	**7 F**
Silver	D	ug/L	NA	< 4.5	< 4.5	NA	< 4.5	< 4.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	NA	< 4.5	< 4.5	NA	< 4.5	< 4.5	NA	< 0.9 UJ	< 10 U	< 10 UM	< 10 U	< 10 UM	< 10 U	< 10 U	< 10 U
Sodium	D	ug/L	**24300**	NA	NA	**31500**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	NA	NA	NA	NA	NA	NA	**72300**	**62500**	**46900**	**50533 J**	**59066**	**66516 J**	**53775 J**	**52291**	**55794**
Thallium	D	ug/L	**0.93**	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	< 4.3 UJ	< 80 U	< 80 U	< 80 U	< 80 U	**9 F**	**14.9 F**	**15.8 F**
Vanadium	D	ug/L	**6.6**	NA	NA	**6.6**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	**27.5 J**	**6.32 F**	**4.1 F**	**5.1 F**	**6.3 F**	< 10 U	**10.1**	< 10 U
Zinc	D	ug/L	**12**	NA	NA	**19**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	NA	NA	NA	NA	NA	NA	NA	**68.2**	**21 J**	**13.9**	**19.2**	**6.6 F**	**8.4 F**	**6.1 F**	**8.3 F**

Appendix B-4
Groundwater Analytical Data, Landfill LF021
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-21-002	MW-21-002	MW-21-002	MW-21-002	MW-21-002	MW-21-002	MW-21-002	MW-21-002	MW-21-002	MW-21-002	MW-21-002	MW-21-002	MW-21-002	MW-21-003	MW-21-003
		Sample Date	2/25/2003	5/20/2003	8/21/2003	11/18/2003	8/19/2004	8/17/2005	6/29/2006	7/25/2007	6/16/2009	6/24/2010	6/21/2012	7/7/2014	8/2/2018	12/9/1987	12/9/1987
		Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD
Chemical	**Fraction**	**Unit**															
Aluminum	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200	< 200
Aluminum	T	ug/L	**2249 M**	**292 M**	**1469 J**	**3947 M**	**4298 M**	**4100**	**69.8 F**	**58.8 F**	**2200**	**2970 M**	**678**	< 100 U	< 70	NA	NA
Antimony	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 60	< 60
Antimony	T	ug/L	< 50 U	**4.6 M**	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	**0.49 F**	**3.91 M**	< 1 U	< 1 U	< 1.0	NA	NA
Arsenic	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**3.1**	**1.7**
Arsenic	T	ug/L	< 30 U	**10.5 F**	**16.7 F**	< 30 U	< 30 U	**2.9 F**	< 30 U	< 30 U	**2.2 F**	**86.8 M**	**2.54**	**7.65**	**4.8**	< 1	NA
Barium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**90**	**92**
Barium	T	ug/L	**156**	**125**	**143**	**172**	**189**	**220**	**146**	**157**	**200 M**	**169 M**	**192**	**221**	**200**	NA	NA
Beryllium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5	< 5
Beryllium	T	ug/L	< 4 U	< 4 U	**0.26 F**	**0.27 F**	**0.26 F**	< 4 U	< 4 U	< 4 U	< 1 U	< 2 UM	< 2 U	< 2 U	< 0.30	NA	NA
Cadmium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5	< 5
Cadmium	T	ug/L	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	**0.42 F**	**2.41**	**0.39 F**	< 0.6 U	< 1.0	< 5	NA
Calcium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**120000**	**118000**
Calcium	T	ug/L	**153664**	**127065 M**	**134423 M**	**161753 M**	**140191 M**	**150000 M**	**128000**	**124000**	**130000**	**123000 M**	**122000 M**	**129000 M**	**120000**	NA	NA
Chromium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10	< 10
Chromium	T	ug/L	**6.5 F**	**2.8 F**	**2.3 F**	**9.8 F**	**7.6 F**	**9.7 F**	**1.87 F**	**4.58 F**	**4.3**	**12.1**	**3.21**	< 2 U	< 1.8	< 10	NA
Cobalt	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**3.8**	**4.8**
Cobalt	T	ug/L	**5.3 F**	**4.6 F**	**5.5 F**	**7.3 F**	**6.4 F**	**1.7 F**	< 60 U	< 60 U	**8.3**	**10.4**	**6.45**	**5.02**	**4.6**	NA	NA
Copper	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 25	< 25
Copper	T	ug/L	**6.3 F**	**1.1 F**	< 10 U	**9.8 F**	**6.5 F**	**7 F**	< 10 U	< 10 U	**5.2 J**	**19.5**	**2.78**	**1.88 F**	< 1.8	< 10	NA
Iron	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**403**	**448**
Iron	T	ug/L	**5447**	**1277**	**2748**	**6649**	**6595 M**	**8600 M**	**2540 J**	**3050 M**	**6500 J**	**6760 M**	**4840**	**10700 M**	**9600**	**597**	NA
Lead	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5	< 5
Lead	T	ug/L	**5.6 F**	**5.1 F**	**16.6 F**	**11 F**	**7.4 F**	**6.4 F**	**1.23 F**	< 25 U	**3.6**	**11.2**	**1.28**	**1.56**	**0.76**	< 2	NA
Magnesium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**43800**	**45300**
Magnesium	T	ug/L	**58161**	**45406 M**	**49076**	**61574 M**	**50061 M**	**53000**	**42000**	**44700**	**51000**	**40200 M**	**44300**	**43500 M**	**37000**	NA	NA
Manganese	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**529**	**534**
Manganese	T	ug/L	**1413**	**1138 J**	**1236**	**1425 M**	**1318 M**	**1200 M**	**1190**	**1040 J**	**1100 M**	**914 M**	**928**	**894 M**	**800**	NA	NA
Mercury	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	< 1 U	< 1 U	< 1 UM	< 1 U	< 1 UM	< 1 UM	< 1 U	< 1 U	**0.089 F**	**0.11 F**	< 0.2 U	< 0.2 U	< 0.080	NA	NA
Molybdenum	T	ug/L	NA	NA	NA	NA	< 15 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 40	< 40
Nickel	T	ug/L	**5.4 F**	**2.4 F**	< 20 U	**2.4 F**	**9.2 F**	**10 F**	**4.22 F**	**3.51 F**	**8.9**	**18.3**	**15.2**	**6.05**	**3.7**	< 20	NA
Potassium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**1740**	< 5000
Potassium	T	ug/L	**6192**	**5190 J**	**6387**	**7456 M**	**8655**	**9200**	**6330**	**6840**	**7300 J**	**6410 M**	**7270**	**8100**	**7500**	NA	NA
Selenium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	**19.4 F**	< 30 U	**25.3 F**	**24.2 F**	**56.3**	< 30 U	< 30 U	< 30 U	**1.3 F**	**0.914 M**	**3.31**	**0.758 F**	< 2.0	NA	NA
Silver	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	**0.056 F**	< 1 U	< 1 U	< 1 U	< 0.10	< 5	NA
Sodium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**25000**	**25600**
Sodium	T	ug/L	**52320**	**46306**	**51642**	**56461 M**	**49044 M**	**54000 M**	**36100**	**47900**	**55000**	**51100**	**58900**	**78400 M**	**79000**	NA	NA
Thallium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10	< 10
Thallium	T	ug/L	**9.7 F**	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	**0.11 F**	**0.276**	**0.121 F**	**0.145 F**	< 0.20	NA	NA
Vanadium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**5.6**	**5.3**
Vanadium	T	ug/L	**5.5 F**	< 10 U	< 10 U	< 10 U	**8.3 J**	**7.6 F**	< 10 U	< 10 U	**2.9 F**	**5.1**	**1.38**	< 1 U	< 2.0	NA	NA
Zinc	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**5.3**	**6.8**
Zinc	T	ug/L	**15.9 F**	**2.8 F**	**10.5 F**	**17.3 F**	**12.7 M**	**20**	**13.2 F**	< 20 U	**15 J**	**23.2 M**	**12.9 F**	**8.2 F**	**4.4**	< 5	NA

Appendix B-4
Groundwater Analytical Data, Landfill LF021
Former Plattsburgh Air Force Base, Plattsburgh, New York
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		Location	MW-21-003	MW-21-003	MW-21-004	MW-21-004	MW-21-004	MW-21-004	MW-21-004	MW-21-004	MW-21-004	MW-21-004	MW-21-004	MW-21-004	MW-21-004	MW-21-004	MW-21-004
		Sample Date	11/16/1993	1/11/1994	11/16/1993	1/11/1994	3/1/2001	5/29/2001	8/21/2001	11/14/2001	2/19/2002	5/21/2002	8/19/2002	11/18/2002	2/25/2003	5/20/2003	8/21/2003
		Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**															
Aluminum	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	NA	NA	NA	NA	**932**	**538 M**	**190 MF**	**1033 MJ**	**1346 M**	**1850 M**	**R**	**268 M**	**1798 M**	**75.6 M**	**812 J**
Antimony	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	NA	NA	NA	NA	< 4.1 U	< 50 U	**6.6 F**	< 50 U	< 50 U	**10.2 F**	< 50 U	**7.9 F**	< 50 U	< 50 UM	< 50 U
Arsenic	D	ug/L	< 1	**1**	< 1	**1.3**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	ug/L	**1.8**	**4.8**	**1.3**	**1.4**	< 4.4 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	**4.2 F**	< 30 U	< 30 U	**8.3 F**	**17.7 F**
Barium	D	ug/L	**101**	**95.6**	**41.9**	**34.6**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	ug/L	**120**	**130**	**47.6**	**29.3**	**75.6**	**73.2**	**65.7 J**	**83.1**	**85 J**	**85.2 J**	**74.8 J**	**72.8**	**87.8**	**61.2**	**80.8**
Beryllium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	NA	NA	NA	NA	< 0.1 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 4 U	< 4 U	< 4 U	< 4 U
Cadmium	D	ug/L	< 2.3	< 2.3	**4.2**	< 2.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	ug/L	< 2.3	< 2.3	**2.5**	< 2.3	< 0.4 U	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	< 5 U	< 5 U	< 5 U	< 5 U
Calcium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	NA	NA	NA	NA	**117000**	**104000 M**	**99011 M**	**106994 M**	**110643**	**103206 M**	**99210**	**106063 M**	**120087**	**96756 M**	**106993 M**
Chromium	D	ug/L	< 4.4	< 4.4	< 4.4	< 4.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	ug/L	< 4.4	**14.7**	< 4.4	< 4.4	**1.6 B**	< 10 U	**2.5 F**	**2.4 F**	**4.3 F**	**3.6 F**	**0.5 F**	**0.9 F**	**3.1 F**	**2.4 F**	< 10 U
Cobalt	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	NA	NA	NA	NA	< 0.6 U	< 6 U	< 6 U	< 6 U	< 6 U	< 6 U	< 6 U	< 60 U	< 60 U	< 60 U	**0.9 F**
Copper	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	NA	NA	NA	NA	< 3 U	< 10 U	< 10 U	**3.8 F**	**10.5**	< 10 U	< 10 U	< 10 U	**6.4 F**	< 10 U	< 10 U
Iron	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	NA	NA	NA	NA	**4260**	**4090 M**	**2703 M**	**5272 M**	**5319 M**	**5808 M**	**3596**	**4254**	**6386**	**3652**	**4384**
Lead	D	ug/L	< 1	< 1	< 1	< 1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	ug/L	< 1	**4.6**	**2.4**	**1.7**	< 2.1 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	**3.8 F**	< 25 U	< 25 U	< 25 U
Magnesium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	NA	NA	NA	NA	**52300**	**44400 M**	**42601 M**	**51264**	**50513**	**45072 J**	**40206**	**47956**	**51692**	**38857 M**	**42323**
Manganese	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	NA	NA	NA	NA	**163**	**144**	**120**	**180**	**166**	**187 J**	**192 J**	**190**	**339**	**120 J**	**223**
Mercury	D	ug/L	< 0.2	< 0.2	< 0.2	< 0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	< 0.2	< 0.2	< 0.2	< 0.2	< 0.1 U	< 1 U	**0.28 F**	< 0.4 U	< 1 UM	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 UM
Molybdenum	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	NA	NA	NA	NA	< 2.7 U	< 10 U	< 10 U	**2.5 F**	**8.2 F**	< 10 U	< 10 U	< 20 U	< 20 U	< 20 U	< 20 U
Potassium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	NA	NA	NA	NA	**3900**	**3880**	**4096 J**	**4099**	**3944**	**3894 J**	**3417 J**	**4152 M**	**3955**	**2796 J**	**3952**
Selenium	D	ug/L	< 1	< 1	< 1	< 1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	< 1	< 1	< 1	< 1	< 9.9 U	**9.81 F**	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	**6.2 F**	**10.5 F**	< 30 U	**29.7 F**
Silver	D	ug/L	< 4.5	< 4.5	< 4.5	< 4.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	< 4.5	< 4.5	< 4.5	< 4.5	< 0.9 UJ	< 10 U	< 10 UM	< 10 U	< 10 UM	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
Sodium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	NA	NA	NA	NA	**12300**	**11300**	**12259 J**	**14138**	**13101 J**	**10949 J**	**10607**	**13679**	**12351**	**10037**	**11929**
Thallium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	NA	NA	NA	NA	< 4.3 UJ	< 80 U	< 80 U	**6.4 F**	< 80 U	**8.4 F**	**8.8 F**	< 80 U	< 80 U	< 80 U	< 80 U
Vanadium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	NA	NA	NA	NA	< 1 U	< 10 U	< 10 U	**4 F**	**3.6 F**	< 10 U	**8.6 F**	< 10 U	**2.8 F**	< 10 U	< 10 U
Zinc	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	NA	NA	NA	NA	**3.9 B**	**8.16 F**	< 10 U	**7.6 F**	< 10 U	**6.1 F**	**7.7 F**	**2.2 F**	**7.1 F**	< 20 U	**11.9 F**

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		Location	MW-21-004	MW-21-004	MW-21-004	MW-21-004	MW-21-004	MW-21-004	MW-21-004	MW-21-004	MW-21-004	MW-21-004	MW-21-004	MW-21-005	MW-21-005	MW-21-005	MW-21-005
		Sample Date	11/18/2003	8/19/2004	8/16/2005	6/29/2006	7/25/2007	6/17/2009	6/24/2010	6/21/2012	6/21/2012	7/7/2014	8/2/2018	11/16/1993	1/11/1994	2/15/1994	3/1/2001
		Sample Type	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**															
Aluminum	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	**997 M**	R	**3700**	**375**	**598**	< 200 U	**104 M**	< 100 U	< 100 U	< 100 U	**21**	NA	NA	NA	**5760**
Antimony	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 2 U	**0.518 M**	< 1 U	< 1 U	< 1 U	< 1.0	NA	NA	NA	< 4.1 U
Arsenic	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**3.1**	< 1	NA	NA
Arsenic	T	ug/L	**14.3 F**	< 30 U	< 30 U	< 30 U	< 30 U	< 5 U	**0.819 M**	**0.749 F**	**0.797 F**	< 1 U	**0.65**	**3.5**	< 1	NA	< 4.4 U
Barium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**127**	**132**	NA	NA
Barium	T	ug/L	**78.4**	**70.9**	**110**	**71.9**	**63.4**	**74 M**	**69.8 M**	**60.4**	**60.5**	**51.1**	**53**	**202**	**115**	NA	**171**
Beryllium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	< 4 U	**0.12 F**	< 4 U	< 4 U	< 4 U	< 1 U	< 2 UM	< 2 U	< 2 U	< 2 U	< 0.30	NA	NA	NA	< 0.1 U
Cadmium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**3.3**	< 2.3	NA	NA
Cadmium	T	ug/L	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	**0.2 F**	< 0.6 U	< 300 U	< 300 U	< 0.6 U	< 1.0	**3.7**	< 2.3	< 2.3	< 0.4 U
Calcium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	**108565 M**	**106810 M**	**110000 M**	**115000**	**98200**	**100000**	**123000 M**	**111000 M**	**110000 M**	**97700 M**	**88000**	NA	NA	**158000**	**133000**
Chromium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4.4	< 4.4	NA	NA
Chromium	T	ug/L	**1.4 F**	**0.6 F**	**6.5 F**	**2.17 F**	**5.01 F**	< 2 U	**3.05**	**1.8 F**	**1.89 F**	**1.02 F**	< 1.8	**14**	< 4.4	NA	**8.9 B**
Cobalt	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	< 60 U	< 60 U	< 60 U	< 60 U	< 60 U	**0.56 F**	**0.618 F**	**0.606 F**	**0.732 F**	< 1 U	**1.5**	NA	NA	NA	**3.9 B**
Copper	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	< 10 U	< 10 U	**3.4 F**	**5.69 F**	< 10 U	**0.69 J**	**1.72 F**	< 2 U	< 2 U	< 2 U	< 1.8	NA	NA	NA	**7.6 B**
Iron	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	**4399**	**3030 M**	**7100 M**	**4070 J**	**3350 M**	**3800 J**	**4410 M**	**3230**	**3260**	**1780 M**	**3800**	NA	NA	**22900**	**8930**
Lead	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	NA	NA
Lead	T	ug/L	< 25 U	< 25 U	**2 F**	< 25 U	< 25 U	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.70	**7.3**	**4.3**	**11**	< 2.1 U
Magnesium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	**46896 M**	**38404 M**	**43000**	**38400**	**35800**	**36000**	**37100 M**	**35100**	**35500**	**29500 M**	**32000**	NA	NA	**74200**	**50900**
Manganese	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	**195 M**	**163 M**	**280 M**	**172**	**153 J**	**170 M**	**161 M**	**129**	**134**	**118 M**	**850**	NA	NA	**1340**	**473**
Mercury	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.2	< 0.2	NA	NA
Mercury	T	ug/L	< 1 U	< 1 UM	< 1 UM	< 1 U	< 1 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.080	< 0.2	< 0.2	NA	< 0.1 U
Molybdenum	T	ug/L	NA	< 15 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	< 20 U	**1.7 F**	**5.4 F**	**1.58 F**	**2.19 F**	**2**	**7.3**	**10.1**	**10.7**	**3.7 F**	**3.7**	NA	NA	NA	**7 B**
Potassium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	**4327 M**	**3347**	**5500**	**3190**	**3470**	**2600 J**	**2750 M**	**2160**	**2210**	**2440**	**2900**	NA	NA	**9970**	**4830**
Selenium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	NA	NA
Selenium	T	ug/L	**14.3 F**	**52.4**	< 30 U	< 30 U	< 30 U	**0.52 F**	**0.611 M**	**0.909 F**	**1.19**	< 1 U	< 2.0	< 1	< 1	NA	< 9.9 U
Silver	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4.5	< 4.5	NA	NA
Silver	T	ug/L	< 10 U	< 10 U	**0.94 F**	< 10 U	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.10	< 4.5	< 4.5	NA	< 0.9 UJ
Sodium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	**14036 M**	**11955 M**	**15000 M**	**10400**	**12200**	**13000**	**15900**	**13300**	**13200**	**17400 M**	**21000**	NA	NA	**39500**	**15700**
Thallium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 1 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.20	NA	NA	NA	< 4.3 UJ
Vanadium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	< 10 U	R	**6.9 F**	< 10 U	**0.96 F**	< 5 U	**0.924 F**	**0.531 F**	**0.596 F**	< 1 U	< 2.0	NA	NA	NA	**9.9 B**
Zinc	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	**3.9 F**	R	**10 F**	**14.2 F**	< 20 U	**5.5 J**	< 20 UM	< 20 U	< 20 U	< 20 U	**3.6**	NA	NA	NA	**22.2**

Appendix B-4
Groundwater Analytical Data, Landfill LF021
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-21-005	MW-21-005	MW-21-005	MW-21-005	MW-21-005	MW-21-005	MW-21-005	MW-21-005	MW-21-005	MW-21-005	MW-21-005	MW-21-005	MW-21-005	MW-21-005	MW-21-005
		Sample Date	5/29/2001	8/21/2001	11/14/2001	2/19/2002	5/21/2002	8/19/2002	11/18/2002	2/25/2003	5/20/2003	8/21/2003	11/18/2003	8/19/2004	8/16/2005	6/29/2006	7/24/2007
		Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**															
Aluminum	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	**4360 M**	**1754 MJ**	**1184 MJ**	**8105 M**	**4325 M**	**R**	**3052 M**	**3562 M**	**1406 M**	**4078 J**	**4103 M**	**1094 M**	**1300**	**474**	**238**
Antimony	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	< 50 U	**6.2 F**	< 50 U	< 50 U	**12 F**	< 50 U	**9.8 F**	< 50 U	< 50 UM	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
Arsenic	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	ug/L	< 30 U	< 30 U	< 30 U	< 30 U	**5.9 F**	**3.9 F**	< 30 U	< 30 U	**13.1 F**	**16.3 F**	**13.1 F**	< 30 U	< 30 U	< 30 U	< 30 U
Barium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	ug/L	**137**	**132 J**	**130**	**211 J**	**143 J**	**134 J**	**159**	**162**	**97.6**	**162**	**172**	**115**	**120**	**62.2**	**74.2**
Beryllium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	**0.22 F**	< 4 U	< 4 U	**0.22 F**	< 4 U	**0.14 F**	< 4 U	< 4 U	< 4 U
Cadmium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	ug/L	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Calcium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	**116000 M**	**108940 M**	**106559 M**	**151769**	**118677 M**	**106675**	**124346 M**	**142164**	**101932 M**	**118816 M**	**135302 M**	**105756 M**	**110000 M**	**102000**	**100000**
Chromium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	ug/L	**7.79 F**	**4.9 F**	**2.2 F**	**15.8**	**7.8 F**	**1.8 F**	**4.6 F**	**6.2 F**	**3.8 F**	**5 F**	**6 F**	**2.1 F**	**4.4 F**	**3.81 F**	**5.1 F**
Cobalt	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	**3.68 F**	< 6 U	< 6 U	**6.6**	**3.1 F**	< 6 U	**0.8 F**	**2.1 F**	**1.3 F**	**2.3 F**	**2.5 F**	< 60 U	< 60 U	< 60 U	< 60 U
Copper	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	< 10 U	**2.5 F**	**4.1 F**	**20.1**	**4.5 F**	**1.5 F**	**2.7 F**	**7.4 F**	**1.2 F**	< 10 U	**33.3**	< 10 U	**2.6 F**	< 10 U	< 10 U
Iron	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	**7200 M**	**2601 M**	**2126 M**	**14590 M**	**7304 M**	**1462**	**5601**	**7228**	**2753**	**6295**	**7174**	**1419 M**	**2000 M**	**672 J**	**330 M**
Lead	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	ug/L	< 25 U	< 25 U	< 25 U	**8.7 F**	< 25 U	< 25 U	**5.2 F**	**4 F**	< 25 U	**4.7 F**	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U
Magnesium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	**43200 M**	**43670 M**	**47235**	**63971**	**48003 J**	**44218**	**52513**	**60187**	**38361 M**	**50835**	**53888 M**	**39474 M**	**39000**	**35400**	**34500**
Manganese	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	**371**	**208**	**160**	**686**	**397 J**	**191 J**	**435**	**553**	**172 J**	**391**	**584 M**	**281 M**	**410 M**	**48**	**69.6 J**
Mercury	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	< 1 U	**0.32 F**	< 0.4 U	< 1 UM	**0.12 F**	< 1 U	< 1 U	< 1 U	< 1 U	< 1 UM	< 1 U	< 1 M	< 1 M	< 1 U	< 1 U
Molybdenum	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 15 U	NA	NA	NA
Nickel	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	**6.55 F**	**4.5 F**	**2.9 F**	**18.9**	**2.8 F**	**1.7 F**	**2.9 F**	**4.7 F**	< 20 U	**2.2 F**	**44.3**	**3.2 F**	**4.7 F**	**1.69 F**	**1.59 F**
Potassium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	**3870**	**3641 J**	**3513**	**5330**	**3631 J**	**3030 J**	**3718 M**	**3272**	**1945 J**	**4214**	**3463 M**	**2748**	**2400**	**1990**	**1990**
Selenium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	**11.1 F**	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	**33.3**	**28.8 F**	**42.3**	< 30 U	< 30 U	< 30 U
Silver	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	< 10 U	< 10 UM	< 10 U	< 10 UM	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	**1.3 F**	< 10 U	< 10 U
Sodium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	**25200**	**14083 J**	**13418**	**12985 J**	**18067 J**	**13810**	**14134**	**13908**	**17779**	**13781**	**17604 M**	**13742 M**	**14000 M**	**21500**	**20100**
Thallium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	< 80 U	< 80 U	< 80 U	< 80 U	**6.7 F**	**8.3 F**	**4.2 F**	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U
Vanadium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	**10.9**	**3.9 F**	**3.5 F**	**20.3**	**5.8 F**	**10.8**	**2.4 F**	**8.2 F**	< 10 U	< 10 U	< 10 U	**4.3 J**	**3.8 F**	< 10 U	**0.68 F**
Zinc	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	**20.1 J**	**8.8 F**	**8.2 F**	**28.9**	**17.6**	**10.6 J**	**11 F**	**18.6 F**	**6.4 F**	**17.4 F**	**19.4 F**	**3.1 M**	**6.4 F**	**18.8 F**	< 20 U

Appendix B-4
Groundwater Analytical Data, Landfill LF021
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-21-005	MW-21-005	MW-21-005	MW-21-005	MW-21-005	MW-21-006	MW-21-006	MW-21-006	MW-21-006	MW-21-006	MW-21-006	MW-21-006	MW-21-006	MW-21-006	MW-21-006
		Sample Date	6/17/2009	6/24/2010	6/21/2012	7/7/2014	8/2/2018	11/16/1993	1/11/1994	2/15/1994	3/1/2001	3/1/2001	5/30/2001	5/30/2001	8/21/2001	8/21/2001	11/15/2001
		Sample Type	N	N	N	N	N	N	N	N	N	FD	N	FD	N	FD	N
Chemical	**Fraction**	**Unit**															
Aluminum	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	**170 F**	**2800 M**	**607**	< 100 U	**520**	NA	NA	NA	**2280**	**2360**	**490 M**	**952 M**	**1758 MJ**	**1435 MJ**	**1038 MJ**
Antimony	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	< 2 U	**4.21 M**	< 1 U	< 1 U	< 1.0	NA	NA	NA	< 4.1 U	< 4.1 U	**3.4 F**	< 50 U	**6.1 F**	**8.7 F**	< 50 U
Arsenic	D	ug/L	NA	NA	NA	NA	NA	< 1	**1.6**	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	ug/L	< 5 U	**132 M**	**0.621 F**	< 1 U	**0.33**	**2.6**	**1.1**	NA	< 4.4 U	< 4.4 U	**5.17 F**	< 30 U	< 30 U	< 30 U	< 30 U
Barium	D	ug/L	NA	NA	NA	NA	NA	**120**	**154**	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	ug/L	**54 M**	**88.8 M**	**68.5**	**61.9**	**89**	**160**	**133**	NA	**133**	**133**	**124**	**120**	**160 J**	**155 J**	**147**
Beryllium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	< 1 U	< 2 UM	< 2 U	< 2 U	< 0.30	NA	NA	NA	< 0.1 U	< 0.1 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Cadmium	D	ug/L	NA	NA	NA	NA	NA	< 2.3	< 2.3	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	ug/L	**0.1 F**	< 0.6 U	< 300 U	< 0.6 U	**0.45**	< 2.3	< 2.3	< 2.3	< 0.4 U	< 0.4 U	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U
Calcium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	**95000**	**101000 M**	**104000 M**	**117000 M**	**110000**	NA	NA	**343000**	**197000**	**199000**	**177000 M**	**174000 M**	**214867 M**	**211734 M**	**209416 M**
Chromium	D	ug/L	NA	NA	NA	NA	NA	< 4.4	< 4.4	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	ug/L	**0.52 F**	**8.24**	**2.31**	**1.36 F**	**1.2**	< 4.4	< 4.4	NA	**4.6 B**	**5 B**	**2.43 F**	**3.05 F**	**6.4 F**	**5.9 F**	**3.5 F**
Cobalt	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	**0.3 F**	**2.6**	**0.906 F**	< 1 U	**0.90**	NA	NA	NA	**6.6 B**	**6.5 B**	**5.25 F**	**9.21 J**	**6.2**	**5.9 F**	**4.7 F**
Copper	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	**1 J**	**6.14**	**2.97**	< 2 U	**1.6**	NA	NA	NA	**3.7 B**	**3.1 B**	< 10 U	< 10 U	**6 F**	**3.1 F**	**5 F**
Iron	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	**300 J**	**4150 M**	**807**	**48.8 M**	**940**	NA	NA	**35800**	**6160**	**6340**	**3360 M**	**4900 M**	**5910 M**	**5410 M**	**5373 M**
Lead	D	ug/L	NA	NA	NA	NA	NA	< 1	< 1	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	ug/L	< 2 U	**4.05**	< 1 U	< 1 U	**0.64**	**1.6**	**2.5**	**19.9**	< 2.1 U	< 2.1 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U
Magnesium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	**34000**	**31300 M**	**35300**	**39200 M**	**39000**	NA	NA	**114000**	**59800**	**61000**	**50700 M**	**48700 M**	**63219 M**	**61464 M**	**68946**
Manganese	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	**26 M**	**391 M**	**95.2**	< 10 UM	**210**	NA	NA	**2730**	**2290**	**2230**	**1860**	**1670**	**2215**	**2179**	**2630**
Mercury	D	ug/L	NA	NA	NA	NA	NA	< 0.2	< 0.2	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	< 0.2 U	**0.149 F**	< 0.2 U	< 0.2 U	< 0.080	< 0.2	< 0.2	NA	< 0.1 U	< 0.1 U	< 1 U	< 1 U	**0.27 F**	**0.27 F**	< 0.4 U
Molybdenum	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	**1 F**	**10.7**	**10**	**3.98 F**	**2.9**	NA	NA	NA	**10.5 B**	**7.5 B**	**7.31 F**	**8.37 F**	**10.5**	**9.7 F**	**8.1 F**
Potassium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	**1700 J**	**2880 M**	**1980**	**2150**	**2400**	NA	NA	**13900**	**8690**	**8710**	**8790**	**8620**	**11690 J**	**11513 J**	**10028**
Selenium	D	ug/L	NA	NA	NA	NA	NA	< 1	**1.2**	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	< 5 U	< 1 UM	**1.4**	< 1 U	< 2.0	< 1	**1.3**	NA	< 9.9 U	< 9.9 U	**21.2 F**	**16 F**	< 30 U	**6.4 F**	< 30 U
Silver	D	ug/L	NA	NA	NA	NA	NA	< 4.5	< 4.5	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 0.10	< 4.5	< 4.5	NA	< 0.9 UJ	< 0.9 UJ	< 10 U	< 10 U	< 10 UM	< 10 UM	< 10 U
Sodium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	**14000**	**17400**	**16900**	**16300 M**	**18000**	NA	NA	**96600**	**85500**	**85400**	**74700**	**71600**	**83686 J**	**82960 J**	**82342**
Thallium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	< 1 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.20	NA	NA	NA	< 4.3 UJ	< 4.3 UJ	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U
Vanadium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	**0.47 F**	**6.69**	**1.35**	< 1 U	< 2.0	NA	NA	NA	**3.3 B**	**3.5 B**	< 10 U	**3.26 F**	**4.6 F**	**4 F**	**4.5 F**
Zinc	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	**16 J**	**14.8 M**	< 20 U	< 20 U	**6.6**	NA	NA	NA	**15.6**	**14.4**	**6.88 F**	**10.5 J**	**16.6**	**16.2**	**15.1**

Appendix B-4
Groundwater Analytical Data, Landfill LF021
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-21-006	MW-21-006	MW-21-006	MW-21-006	MW-21-006	MW-21-006	MW-21-006	MW-21-006	MW-21-006	MW-21-006	MW-21-006	MW-21-006	MW-21-006	MW-21-006	MW-21-006
		Sample Date	11/15/2001	2/20/2002	2/20/2002	5/22/2002	5/22/2002	8/20/2002	8/20/2002	11/19/2002	11/19/2002	2/25/2003	2/25/2003	5/21/2003	8/25/2003	11/18/2003	8/18/2004
		Sample Type	FD	N	FD	N	FD	N	FD	N	FD	N	FD	N	N	N	N
Chemical	**Fraction**	**Unit**															
Aluminum	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	**833 MJ**	**3008 M**	**2969 M**	**1436 M**	**1290 M**	**R**	**R**	**439 M**	**479 M**	**98.9 M**	**218 M**	**310 M**	**249 J**	**557 M**	**388 M**
Antimony	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	< 50 U	**9.3 F**	**8.1 F**	**13.5 F**	**14 F**	< 50 U	< 50 U	**5.4 F**	**11.3 F**	< 50 U	< 50 U	< 50 UM	< 50 U	< 50 U	< 50 U
Arsenic	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	ug/L	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	**6.1 F**	**6.2 F**	< 30 U	< 30 U	< 30 U	< 30 U	**12.5 F**	**20.5 F**	< 30 U	< 30 U
Barium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	ug/L	**151**	**166 J**	**157 J**	**120 J**	**116 J**	**152 J**	**147 J**	**144**	**144**	**122**	**123**	**93.6**	**137**	**137**	**135**
Beryllium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 4 U	**0.22 F**	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U
Cadmium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	ug/L	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Calcium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	**220104 M**	**203416**	**193222**	**150903 M**	**147927 M**	**172467**	**170264**	**172943 M**	**173228 M**	**158851**	**161380**	**123587 M**	**163589 M**	**158422 M**	**160755 M**
Chromium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	ug/L	**3 F**	**9.1 F**	**8.8 F**	**3.6 F**	**3.3 F**	**3.7 F**	**3.4 F**	**0.7 F**	**1.2 F**	**0.9 F**	**0.9 F**	**2.7 F**	< 10 U	**1.5 F**	**1.7 F**
Cobalt	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	**4.7 F**	**8**	**8.3**	**4.18 F**	**4.26 F**	**2.28 F**	**2.15 F**	**2.8 F**	**2.5 F**	**3 F**	**3.2 F**	**2.8 F**	**3.9 F**	**3.6 F**	**2.8 F**
Copper	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	**4.3 F**	**13**	**12.3**	< 10 U	< 10 U	**2 F**	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
Iron	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	**5274 M**	**10022 M**	**9950 M**	**4392 M**	**4159 M**	**6821**	**6566**	**4557**	**4490**	**5140**	**4831**	**3051**	**5102**	**4546**	**7698 M**
Lead	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	ug/L	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	**4.9 F**	**4.4 F**	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U
Magnesium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	**70354**	**62793**	**59568**	**48628**	**47518**	**55600**	**55165**	**53389**	**53136**	**49811**	**50911**	**39230 M**	**51262**	**50148 M**	**49106 M**
Manganese	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	**2592**	**2618**	**2478**	**1908**	**1838**	**2374 J**	**2295 J**	**2637**	**2636**	**2429**	**2450**	**1761 J**	**2347**	**2541 M**	**2465 M**
Mercury	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	< 0.4 U	< 1 UM	< 1 UM	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 UM	< 1 U	< 1 U
Molybdenum	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 15 U
Nickel	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	**8 F**	**16.1**	**15.8**	< 10 U	< 10 U	**5.6 F**	**5.1 F**	**4.3 F**	**4.1 F**	**2.8 F**	**3.2 F**	< 20 U	< 20 U	< 20 U	**6.4 F**
Potassium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	**10415**	**10263**	**10124**	**9132**	**8881**	**11348 J**	**11096 J**	**10793 M**	**11156 M**	**8448**	**8752**	**7614 J**	**10727**	**9849 M**	**10220**
Selenium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	**16.1 F**	**9.8 F**	< 30 U	**32.4**	**33**	**37.4**
Silver	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	< 10 U	< 10 UM	< 10 UM	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
Sodium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	**81400**	**97615 J**	**94734 J**	**73978**	**73359**	**80125**	**78684**	**84918**	**85883**	**78975**	**80414**	**55388**	**83565**	**88056 M**	**64431 M**
Thallium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	< 80 U	< 80 U	< 80 U	**9.4 F**	**7.6 F**	**21.3 F**	**23.8 F**	**24.8 F**	**25.6 F**	**5 F**	**5.5 F**	< 80 U	< 80 U	< 80 U	< 80 U
Vanadium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	**4.2 F**	**7.3 F**	**7.5 F**	< 10 U	< 10 U	**11.9**	**11.3**	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	**3.2 J**
Zinc	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	**17.2**	**6.7 F**	**7.1 F**	**8.4 F**	**8.5 F**	**11.4 J**	**9.4 F**	**2.7 F**	**4.3 F**	**7.8 F**	**7.7 F**	**2.6 F**	< 20 U	**4.1 F**	**406 M**

Appendix B-4
Groundwater Analytical Data, Landfill LF021
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		Location	MW-21-006	MW-21-006	MW-21-006	MW-21-006	MW-21-006	MW-21-006	MW-21-006	MW-21-006	MW-21-006	MW-21-007	MW-21-007	MW-21-007	MW-21-007	MW-21-007	MW-21-007
		Sample Date	8/17/2005	6/29/2006	7/24/2007	6/16/2009	6/24/2010	6/21/2012	7/7/2014	8/2/2018	8/2/2018	11/16/1993	11/16/1993	1/11/1994	2/15/1994	2/27/2001	5/30/2001
		Sample Type	N	N	N	N	N	N	N	N	FD	N	FR	N	N	N	N
Chemical	**Fraction**	**Unit**															
Aluminum	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	**81 F**	**96.4 F**	**77.2 F**	**56 F**	**1250 M**	**237**	< 100 U	**590**	**410**	NA	NA	NA	NA	**9480**	**8860 M**
Antimony	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	< 50 U	< 50 U	< 50 U	< 2 U	**2.92 M**	< 1 U	< 1 U	< 1.0	< 1.0	NA	NA	NA	NA	< 4.1 U	< 50 U
Arsenic	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1	< 1	NA	NA	NA
Arsenic	T	ug/L	**4.2 F**	**2.19 F**	< 30 U	**1.3 F**	**84 M**	**3.38**	**2.5**	**28**	**20**	**2.6**	**2.3**	**4.9**	NA	< 4.4 U	**4.93 F**
Barium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	**33.5**	**35.4**	**34**	NA	NA	NA
Barium	T	ug/L	**120**	**131**	**151**	**130 M**	**138 M**	**197**	**225**	**330**	**310**	**87.8**	**86.6**	**123**	NA	**76.4**	**75.6**
Beryllium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	< 4 U	< 4 U	< 4 U	< 1 U	< 2 UM	< 2 U	< 2 U	**0.10**	**0.080**	NA	NA	NA	NA	**0.44 B**	< 5 U
Cadmium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2.3	< 2.3	< 2.3	NA	NA	NA
Cadmium	T	ug/L	< 5 U	< 5 U	< 5 U	**0.069 F**	< 0.6 U	**0.308 F**	< 0.6 U	**0.86**	**0.36**	< 2.3	< 2.3	< 2.3	< 2.3	< 0.4 U	< 7 U
Calcium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	**160000 M**	**143000**	**155000**	**120000**	**121000 M**	**143000 M**	**143000 M**	**160000**	**150000**	NA	NA	NA	**64300**	**90700**	**79100 M**
Chromium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4.4	< 4.4	< 4.4	NA	NA	NA
Chromium	T	ug/L	**2.3 F**	**1.92 F**	**4.75 F**	**0.61 F**	**6.55**	**2.37**	< 2 U	**5.4**	**3.5**	**14.7**	**15.4**	**25.8**	NA	**14.7 J**	**14**
Cobalt	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	< 60 U	< 60 U	< 60 U	**4.5**	**5.13**	**4.48**	**3.23**	**5.6**	**5.2**	NA	NA	NA	NA	**7.7 B**	**6.35 J**
Copper	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	**1.3 F**	< 10 U	< 10 U	**0.71 J**	**3.88**	**2.37**	< 2 U	**3.4**	**2.4**	NA	NA	NA	NA	**15.7 B**	< 10 U
Iron	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	**10000 M**	**4820 J**	**7270 M**	**6200 J**	**8270 M**	**8710**	**8430 M**	**42000**	**29000**	NA	NA	NA	**6240**	**12500**	**11000 M**
Lead	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	**4.6**	**20.9**	< 1	NA	NA	NA
Lead	T	ug/L	< 25 U	< 25 U	< 25 U	**0.28 F**	**2.69**	**0.693 F**	< 1 U	**1.6**	**1.2**	**8.4**	**7.6**	**14.3**	**4.9**	**7.8**	**6.94 F**
Magnesium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	**42000**	**39600**	**41200**	**33000**	**26800 M**	**28300**	**30000 M**	**34000**	**33000**	NA	NA	NA	**26100**	**36800**	**33000 M**
Manganese	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	**2100 M**	**2390**	**2520 J**	**2000 M**	**1930 M**	**2210**	**2010 M**	**2400**	**2300**	NA	NA	NA	**187**	**618**	**715**
Mercury	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.2	< 0.2	< 0.2	NA	NA	NA
Mercury	T	ug/L	< 1 M	< 1 U	< 1 U	**0.081 F**	< 0.2 U	< 0.2 U	< 0.2 U	< 0.080	< 0.080	< 0.2	< 0.2	< 0.2	NA	< 0.1 U	< 1 U
Molybdenum	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	**6.7 F**	**4.47 F**	**4.53 F**	**5.1**	**12.9**	**17.5**	**6.78**	**11**	**8.8**	NA	NA	NA	NA	**16.6 B**	**13.2**
Potassium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	**9200**	**9670**	**9800**	**7200 J**	**6330 M**	**8770**	**9030**	**8200**	**8100**	NA	NA	NA	**2710**	**3230**	**3270**
Selenium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	**1.1**	< 1	NA	NA	NA
Selenium	T	ug/L	< 30 U	< 30 U	< 30 U	< 5 U	**0.815 M**	**1.77**	**0.572 F**	< 2.0	< 2.0	< 1	< 1	< 1	NA	< 9.9 U	**6.55 F**
Silver	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4.5	< 4.5	< 4.5	NA	NA	NA
Silver	T	ug/L	**0.95 F**	< 10 U	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U	**0.058**	**0.033**	< 4.5	< 4.5	< 4.5	NA	< 0.9 U	< 10 U
Sodium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	**73000 M**	**62600**	**46400**	**74000**	**58600**	**70800**	**81800 M**	**61000**	**61000**	NA	NA	NA	**3680**	**4630**	**6760**
Thallium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	< 80 U	< 80 U	< 80 U	< 1 U	**0.151 F**	**0.14 F**	**0.114 F**	**0.18**	**0.13**	NA	NA	NA	NA	< 4.3 U	< 80 U
Vanadium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	< 10 U	< 10 U	< 10 U	< 5 U	**3.16**	**1.22**	< 1 U	**2.8**	**2.1**	NA	NA	NA	NA	**18.1 B**	**19.7**
Zinc	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	**32**	**29.6**	< 20 U	**7 J**	**13.4 M**	< 20 U	< 20 U	**13**	**13**	NA	NA	NA	NA	**33.7 J**	**29.6 J**

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		Location	MW-21-007	MW-21-007	MW-21-007	MW-21-007	MW-21-007	MW-21-007	MW-21-007	MW-21-007	MW-21-007	MW-21-007	MW-21-007	MW-21-007	MW-21-007	MW-21-007	MW-21-007
		Sample Date	8/21/2001	11/15/2001	2/20/2002	5/22/2002	8/20/2002	11/19/2002	2/25/2003	5/21/2003	5/21/2003	8/25/2003	8/25/2003	11/18/2003	11/18/2003	8/18/2004	8/18/2004
		Sample Type	N	N	N	N	N	N	N	N	FD	N	FD	N	FD	N	FD
Chemical	**Fraction**	**Unit**															
Aluminum	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	**3684 MJ**	**1357 MJ**	**4711 M**	**3379 M**	**R**	**3803 M**	**2024 M**	**248 M**	**312 M**	**1321 J**	**1949 J**	**4834 M**	**5212 M**	**7028 M**	**9143 M**
Antimony	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	**6.6 F**	< 50 U	< 50 U	**9 F**	< 50 U	**14.3 F**	< 50 U	< 50 UM	< 50 UM	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
Arsenic	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	ug/L	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	**5.4 F**	**6.5 F**	**13.7 F**	**27.5 F**	**12.7 F**	**13.8 F**	< 30 U	< 30 U
Barium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	ug/L	**39.2 J**	**37.1**	**46.9 J**	**39 J**	**65.5 J**	**43.3 F**	**22.4 F**	**8.2 F**	**8.5 F**	**18.6 F**	**23.2 F**	**46.7 F**	**48.7 F**	**56.2**	**67.4**
Beryllium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	**0.33 F**	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	**0.25 F**	**0.17 F**	**0.37 F**	**0.36 F**
Cadmium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	ug/L	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Calcium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	**80640 M**	**94294 M**	**79890**	**65317 M**	**78535**	**78585 M**	**70286**	**53745 M**	**54180 M**	**74564 M**	**77528 M**	**78373 M**	**79931 M**	**67058 M**	**67088 M**
Chromium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	ug/L	**7.6 F**	**3.4 F**	**9.4 F**	**6 F**	**10.5 J**	**5.7 F**	**3.1 F**	**2.4 F**	**2.6 F**	**2.2 F**	**3.2 F**	**6.3 F**	**6.9 F**	**9.3 F**	**11.6**
Cobalt	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	**3 F**	**3.7 F**	**3 F**	**2.45 F**	**1.55 F**	**0.7 F**	< 60 U	< 60 U	< 60 U	**1.6 F**	**1.6 F**	**2.5 F**	**2.3 F**	**4.1 F**	**6.1 F**
Copper	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	**6.3 F**	**11.3**	**14**	**2.7 F**	**7.8 F**	**3.4 F**	**2.8 F**	< 10 U	**1.7 F**	< 10 U	< 10 U	**9.1 F**	**6.8 F**	**7.9 F**	**9.5 F**
Iron	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	**4407 M**	**2612 M**	**5583 M**	**3919 M**	**8801**	**4882**	**2414**	**192 F**	**258**	**1518**	**2044**	**6142**	**6463**	**6853 M**	**8868 M**
Lead	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	ug/L	**2.6 F**	**5.1 F**	< 25 U	< 25 U	**5.5 F**	**5.2 F**	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	**7.5 F**	**9.5 F**
Magnesium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	**31843 M**	**38136**	**33387**	**26789**	**33265**	**31793**	**28183**	**21944 M**	**22022 M**	**30137**	**31672**	**32983 M**	**33509 M**	**27763 M**	**28907 M**
Manganese	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	**198**	**331**	**247**	**341**	**358 J**	**251**	**122**	**44.3 J**	**48 J**	**374**	**422**	**284 M**	**271 M**	**814 M**	**1303 M**
Mercury	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	**0.27 F**	< 0.4 U	< 1 UM	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 UM	< 1 UM	< 1 U	< 1 U	< 1 U	< 1 U
Molybdenum	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 15 U	< 15 U
Nickel	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	**6.6 F**	**7 F**	**12.2**	< 10 U	**5.4 F**	**3 F**	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	**3.1 F**	**2.8 F**	**9 F**	**11.7 F**
Potassium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	**2180 J**	**1098**	**2088**	**1513**	**2764 J**	**1980 M**	**972 F**	**477 J**	**474 J**	**857 F**	**1095**	**1593 M**	**1706 M**	**2380**	**2766**
Selenium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	**12.3 F**	< 30 U	< 30 U	**14.3 F**	**12.1 F**	**12.6 F**	**10.3 F**	**33.9**	**28.1 F**
Silver	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	**3 MF**	< 10 U	< 10 UM	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
Sodium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	**5466 J**	**5346**	**4976 J**	**4970**	**5728**	**5998**	**5136**	**4675**	**4494**	**5874**	**6103**	**5746 M**	**5875 M**	**5155 M**	**5115 M**
Thallium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	< 80 U	< 80 U	< 80 U	**5.1 F**	**7.8 F**	< 80 U	**8.3 F**	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U
Vanadium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	**8.2 F**	**5.3 F**	**11.1**	**3.6 F**	**20.1**	**3.7 F**	**3.7 F**	< 10 U	< 10 U	< 10 U	< 10 U	**3.2 F**	< 10 U	**14 J**	**18 J**
Zinc	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	**24**	**20.5**	**8 F**	**14.1**	**21.7 J**	**13.6 F**	**9.8 F**	**4 F**	< 20 U	**4.8 F**	**9.4 F**	**16.7 F**	**17.1 F**	**18.2 M**	**23.1 M**

Appendix B-4
Groundwater Analytical Data, Landfill LF021
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-21-007	MW-21-007	MW-21-007	MW-21-007	MW-21-007	MW-21-007	MW-21-007	MW-21-007	MW-21-007	MW-21-007	MW-21-007	MW-21-007	MW-21-007	MW-21-008	MW-21-008
		Sample Date	8/17/2005	8/17/2005	6/29/2006	6/29/2006	7/24/2007	7/24/2007	6/16/2009	6/16/2009	6/24/2010	6/21/2012	7/7/2014	7/7/2014	8/2/2018	11/16/1993	1/11/1994
		Sample Type	N	FD	N	FD	N	FD	N	FD	N	N	N	FD	N	N	N
Chemical	**Fraction**	**Unit**															
Aluminum	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	**1100**	**1000**	**4510**	**5400**	**3210**	**3780**	**1600**	**31 F**	**8810 M**	**176**	< 100 U	< 100 U	**280**	NA	NA
Antimony	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	< 50 U	< 50 U	< 50 U	< 50 U	**1.59 F**	< 50 U	< 2 U	< 2 U	**2.89 M**	< 1 U	< 1 U	< 1 U	< 1.0	NA	NA
Arsenic	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**1.6**	**1.7**
Arsenic	T	ug/L	< 30 U	< 30 U	**2.34 F**	< 30 U	< 30 U	< 30 U	< 5 U	< 5 U	**82.2 M**	< 1 U	< 1 U	< 1 U	**9.9**	**4**	**3.1**
Barium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**41.9**	**70.9**
Barium	T	ug/L	**17 F**	**16 F**	**43.2 F**	**49.8 F**	**31 F**	**36.4 F**	**17 M**	**10 M**	**84.3 M**	**9.63 F**	**11.9**	**11.6**	**37**	**85.1**	**45.5**
Beryllium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	< 4 U	< 4 U	**0.2 F**	**0.2 F**	< 4 U	< 4 U	< 1 U	< 1 U	**0.705 M**	< 2 U	< 2 U	< 2 U	< 0.30	NA	NA
Cadmium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2.3	< 2.3
Cadmium	T	ug/L	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	**1**	**0.74 F**	< 0.6 U	< 300 U	< 0.6 U	< 0.6 U	**0.35**	< 2.3	< 2.3
Calcium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	**64000 M**	**65000 M**	**65700**	**67700**	**66200**	**66400**	**67000**	**63000**	**70200 M**	**60600 M**	**71400 M**	**72500 M**	**74000**	NA	NA
Chromium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4.4	< 4.4
Chromium	T	ug/L	**3.2 F**	**2.9 F**	**7.98 F**	**9.67 F**	**8.47 F**	**9.54 F**	**1.8 F**	**0.65 F**	**16.4**	**1.86 F**	**1.52 F**	**1.6 F**	**6.2**	< 4.4	< 4.4
Cobalt	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	< 60 U	< 60 U	< 60 U	**1.2 F**	< 60 U	< 60 U	**1.2**	**0.34 F**	**6.3**	< 1 U	< 1 U	< 1 U	**16**	NA	NA
Copper	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	**2.3 F**	< 10 U	**5.46 F**	**6.12 F**	**3.05 F**	**3.65 F**	**3.4 J**	**1.2 J**	**13.7**	**1.12 F**	< 2 U	< 2 U	**4.4**	NA	NA
Iron	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	**1200 M**	**990 M**	**4930 J**	**6080 J**	**3410 M**	**4230 M**	**1700 J**	**180 J**	**11200 M**	**225**	**286 M**	**201 M**	**27000**	NA	NA
Lead	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	**2.3**
Lead	T	ug/L	< 25 U	< 25 U	**2.39 F**	**3.08 F**	< 25 U	< 25 U	**1.8 F**	< 2 U	**7.78**	< 1 U	< 1 U	< 1 U	**4.3**	**4.5**	**1.3**
Magnesium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	**27000**	**28000**	**26800**	**27800**	**27500**	**27800**	**30000**	**27000**	**28100 M**	**25400**	**31000 M**	**31300 M**	**27000**	NA	NA
Manganese	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	**110 M**	**82 M**	**180**	**213**	**129 J**	**213 J**	**160 M**	**80 M**	**304 M**	**20.3**	**28.5 M**	**19.9 M**	**3300**	NA	NA
Mercury	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.2	< 0.2
Mercury	T	ug/L	< 1 UM	< 1 UM	< 1 U	< 1 U	< 1 U	< 1 U	**0.096 F**	**0.091 F**	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.080	< 0.2	< 0.2
Molybdenum	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	**3.9 F**	**1.4 F**	**5.47 F**	**6.92 F**	**3.93 F**	**4.65 F**	**2.7**	**0.85 F**	**18.5**	**6.31**	**2.57 F**	**2.6 F**	**9.3**	NA	NA
Potassium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	**760 F**	**720 F**	**1760**	**2000**	**1550**	**1610**	**800 J**	**390 J**	**2960 M**	**326 F**	**268 F**	**283 F**	**530**	NA	NA
Selenium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	< 1
Selenium	T	ug/L	< 30 U	< 30 U	**2.24 F**	< 30 U	< 30 U	< 30 U	< 5 U	**0.72 F**	< 1 UM	**0.524 F**	< 1 U	< 1 U	< 2.0	< 1	< 1
Silver	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4.5	< 4.5
Silver	T	ug/L	**1.1 F**	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.10	< 4.5	< 4.5
Sodium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	**5400 M**	**5300 M**	**4500**	**4610**	**4780**	**4700**	**5400**	**5000**	**5070**	**4860**	**6010 M**	**6090 M**	**4800**	NA	NA
Thallium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 1 U	< 1 U	**0.122 F**	< 0.2 U	< 0.2 U	< 0.2 U	**0.060**	NA	NA
Vanadium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	**3.2 F**	**2.6 F**	**8.86 F**	**10.4**	**5.67 F**	**7.14 F**	**2.7 F**	**0.55 F**	**17.4**	**1.16**	**0.949 F**	**0.806 F**	**45**	NA	NA
Zinc	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	**23**	**20**	**22.9**	**25.5**	**9.84 F**	**12.2 F**	**19 J**	**13 J**	**31.9 M**	< 20 U	**7.98 F**	< 20 U	**17**	NA	NA

Appendix B-4
Groundwater Analytical Data, Landfill LF021
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-21-009	MW-21-009	MW-21-009	MW-21-009	MW-21-009	MW-21-009	MW-21-009	MW-21-009	MW-21-009	MW-21-009	MW-21-009	MW-21-009	MW-21-009	MW-21-009	MW-21-009
		Sample Date	3/1/2001	5/29/2001	8/21/2001	11/14/2001	2/19/2002	5/21/2002	8/19/2002	11/18/2002	2/25/2003	5/20/2003	8/21/2003	11/18/2003	8/19/2004	8/16/2005	6/29/2006
		Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**															
Aluminum	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	**6210**	**9860 M**	**7419 MJ**	**1030 MJ**	**4637 M**	**9814 M**	**R**	**8196 M**	**4759 M**	**3449 M**	**8972 J**	**9273 M**	**6661 M**	**4300**	**2270**
Antimony	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	< 4.1 U	< 50 U	**7.7 F**	< 50 U	< 50 U	**12.5 F**	< 50 U	**10.3 F**	< 50 U	**5.5 M**	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
Arsenic	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	ug/L	< 4.4 U	**15.2 F**	**8.8 F**	< 30 U	< 30 U	**6.1 F**	**5.4 F**	< 30 U	< 30 U	**12 F**	**17.6 F**	**16.4 F**	**8.7 F**	**3.4 F**	**2.18 F**
Barium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	ug/L	**97.6**	**118**	**119 J**	**76.1**	**95.8 J**	**125 J**	**77.1 J**	**132**	**97.5**	**67.5**	**118**	**134**	**91.1**	**81**	**47 F**
Beryllium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	< 0.1 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	**0.56 F**	< 4 U	< 4 U	**0.43 F**	**0.38 F**	**0.38 F**	**0.12 F**	< 4 U
Cadmium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	ug/L	< 0.4 U	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Calcium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	**153000**	**135000 M**	**155861 M**	**142554 M**	**154604**	**153253 M**	**110378**	**187017 M**	**169005**	**107595 M**	**137415 M**	**184973 M**	**124886 M**	**120000 M**	**89800**
Chromium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	ug/L	**9.5 B**	**17**	**14.8**	**2.3 F**	**10.1**	**18.7**	**4.4 F**	**14.3**	**8.1 F**	**7.8 F**	**12.8**	**14.9**	**10.6**	**8.6 F**	**5.76 F**
Cobalt	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	**6.8 B**	**9.05 J**	**7.8**	**3 F**	**6 F**	**8.15**	**1.2 F**	**5.4 F**	**3.8 F**	**2.8 F**	**5.4 F**	**7.2 F**	**3.7 F**	< 60 U	< 60 U
Copper	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	**7.5 B**	**5.2 F**	**11.6**	**4.3 F**	**14**	**12**	**3 F**	**9.7 F**	**8.6 F**	**3.6 F**	**8.9 F**	**13.9**	**9.7 F**	**5.8 F**	**3.49 F**
Iron	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	**13300**	**19400 M**	**15977 M**	**4610 M**	**10005 M**	**20191 M**	**4870**	**18922**	**10457**	**7640**	**14642**	**20096**	**11200 M**	**8500 M**	**3420 J**
Lead	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	ug/L	**3.1 B**	**9.92 F**	**4.3 F**	< 25 U	**3.6 F**	**9.5 F**	**3.7 F**	**13.7 F**	**4.4 F**	**5.8 F**	**9.5 F**	**10.9 F**	**7.9 F**	**3.1 F**	**1.45 F**
Magnesium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	**56500**	**47500 M**	**52791 M**	**54433**	**60968**	**58030 J**	**38709**	**68458**	**62623**	**39455 M**	**48912**	**70118 M**	**43303 M**	**40000**	**30900**
Manganese	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	**1140**	**1040**	**1243**	**1108**	**1132**	**1151 J**	**657 J**	**1317**	**955**	**389 J**	**940**	**1306 M**	**746 M**	**580 M**	**201**
Mercury	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	< 0.1 U	< 1 U	**0.27 F**	< 0.4 U	< 1 UM	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 UM	< 1 U	< 1 UM	< 1 UM	< 1 U
Molybdenum	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 15 U	NA	NA
Nickel	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	**9.1 B**	**15.4**	**13**	**4.3 F**	**13.9**	**7.4 F**	**2.3 F**	**9.5 F**	**7.5 F**	**3.2 F**	**4.8 F**	**7.8 F**	**9.3 F**	**7.6 F**	**2.77 F**
Potassium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	**4080**	**5550**	**5093 J**	**1736**	**3304**	**5149 J**	**2521 J**	**4996 M**	**3011**	**2390 J**	**5446**	**4640 M**	**4349**	**3100**	**1980**
Selenium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	< 9.9 U	**10.5 F**	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	**18 F**	< 30 U	**30.1**	**37.9**	**55.9**	< 30 U	< 30 U
Silver	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	< 0.9 UJ	< 10 U	< 10 UM	< 10 U	< 10 UM	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	**1.2 F**	< 10 U
Sodium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	**9580**	**20500**	**17608 J**	**13284**	**11208 J**	**24708 J**	**26133**	**16530**	**43599**	**34702**	**28165**	**22452 M**	**29303 M**	**36000 M**	**29800**
Thallium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	< 4.3 UJ	< 80 U	< 80 U	< 80 U	< 80 U	**6.9 F**	**11 F**	**16.2 F**	**5.3 F**	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U
Vanadium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	**10.4 B**	**24.2**	**18.1**	**4 F**	**10.2**	**11.3**	**12.4**	**12.5**	**10.3**	< 10 U	**11.4**	**8.3 F**	**13.3 J**	**8.5 F**	**3.98 F**
Zinc	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	**24**	**40.2 J**	**31.5**	**8.9 F**	**7.4 F**	**36.1**	**7.4 F**	**31.5**	**23.8**	**12 F**	**33.6**	**33.7**	**20.6 M**	**15 F**	**21.8**

Appendix B-4
Groundwater Analytical Data, Landfill LF021
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-21-009	MW-21-009	MW-21-009	MW-21-009	MW-21-009	MW-21-009	MW-21-009
		Sample Date	7/25/2007	6/17/2009	6/24/2010	6/24/2010	6/21/2012	7/7/2014	8/2/2018
		Sample Type	N	N	N	FD	N	N	N
Chemical	**Fraction**	**Unit**							
Aluminum	D	ug/L	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	**2090**	**2500**	**4210 M**	**5910 M**	**3000**	< 100 U	**420**
Antimony	D	ug/L	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	< 50 U	< 2 U	**2.99 M**	**3.04 M**	< 1 U	< 1 U	< 1.0
Arsenic	D	ug/L	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	ug/L	< 30 U	**2 F**	**85.5 M**	**92 M**	**1.93**	< 1 U	**0.55**
Barium	D	ug/L	NA	NA	NA	NA	NA	NA	NA
Barium	T	ug/L	**43.7 F**	**59 M**	**77.2 M**	**78 M**	**58.4**	**30**	**49**
Beryllium	D	ug/L	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	< 4 U	< 1 U	**0.608 M**	< 2 UM	< 2 U	< 2 U	< 0.30
Cadmium	D	ug/L	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	ug/L	< 5 U	**0.32 F**	< 0.6 U	< 0.6 U	< 300 U	< 0.6 U	**0.35**
Calcium	D	ug/L	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	**85700**	**89000**	**121000 M**	**110000 M**	**102000 M**	**83700 M**	**84000**
Chromium	D	ug/L	NA	NA	NA	NA	NA	NA	NA
Chromium	T	ug/L	**6.54 F**	**4.3**	**12.4**	**12.8**	**5.22**	**1.32 F**	**1.7**
Cobalt	D	ug/L	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	< 60 U	**2.4**	**5.85**	**5.48**	**2.42**	< 1 U	**1.6**
Copper	D	ug/L	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	**1.99 F**	**5 J**	**9.15**	**9.94**	**4.43**	< 2 U	**3.7**
Iron	D	ug/L	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	**3330 M**	**5600 J**	**8220 M**	**10900 M**	**4990**	**39.1 M**	**1300**
Lead	D	ug/L	NA	NA	NA	NA	NA	NA	NA
Lead	T	ug/L	< 25 U	**2.8**	**6.99**	**6.87**	**2.18**	< 1 U	**0.77**
Magnesium	D	ug/L	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	**29600**	**33000**	**37800 M**	**34500 M**	**35500**	**27500 M**	**28000**
Manganese	D	ug/L	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	**285 J**	**290 M**	**735 M**	**663 M**	**313**	**30.2 M**	**860**
Mercury	D	ug/L	NA	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	< 1 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.080
Molybdenum	T	ug/L	NA	NA	NA	NA	NA	NA	NA
Nickel	D	ug/L	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	**3.03 F**	**4.6**	**15**	**14.7**	**12.7**	**2.89 F**	**4.3**
Potassium	D	ug/L	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	**1920**	**2000 J**	**2720 M**	**3490 M**	**2080**	**823 F**	**1300**
Selenium	D	ug/L	NA	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	< 30 U	**0.95 F**	< 1 UM	**0.757 M**	**1.04**	< 1 U	< 2.0
Silver	D	ug/L	NA	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.10
Sodium	D	ug/L	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	**21600**	**46000**	**29500**	**30900**	**43500**	**26500 M**	**45000**
Thallium	D	ug/L	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	< 80 U	**0.061 F**	**0.134 F**	**0.135 F**	< 0.2 U	< 0.2 U	**0.11**
Vanadium	D	ug/L	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	**3.49 F**	**4.8 F**	**11**	**11.2**	**4.73**	< 1 U	**0.61**
Zinc	D	ug/L	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	**6.34 F**	**16 J**	**17.4 M**	**20.7 M**	**18.9 F**	**11.7 F**	**11**

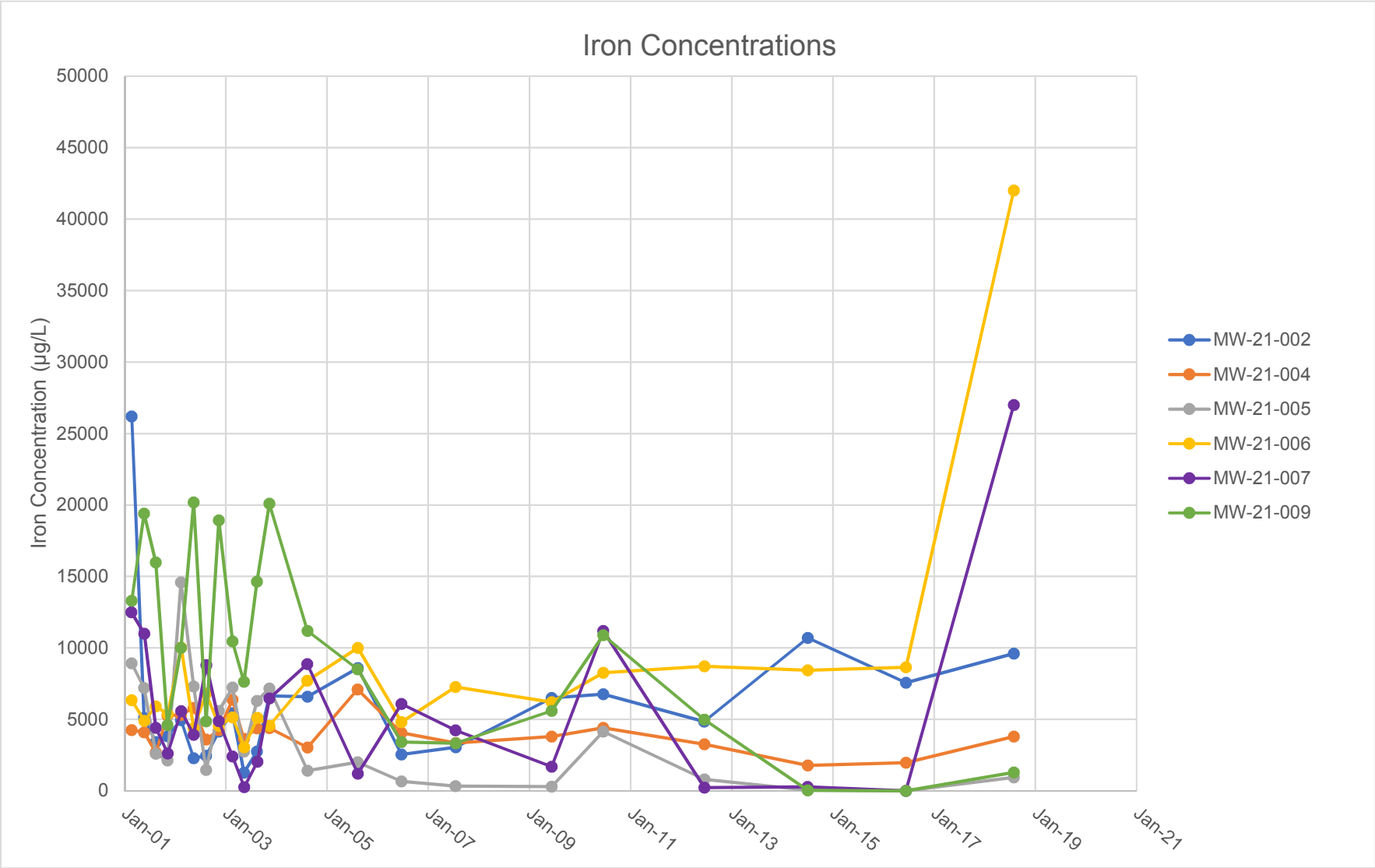
Notes:

Detections are **boldfaced**

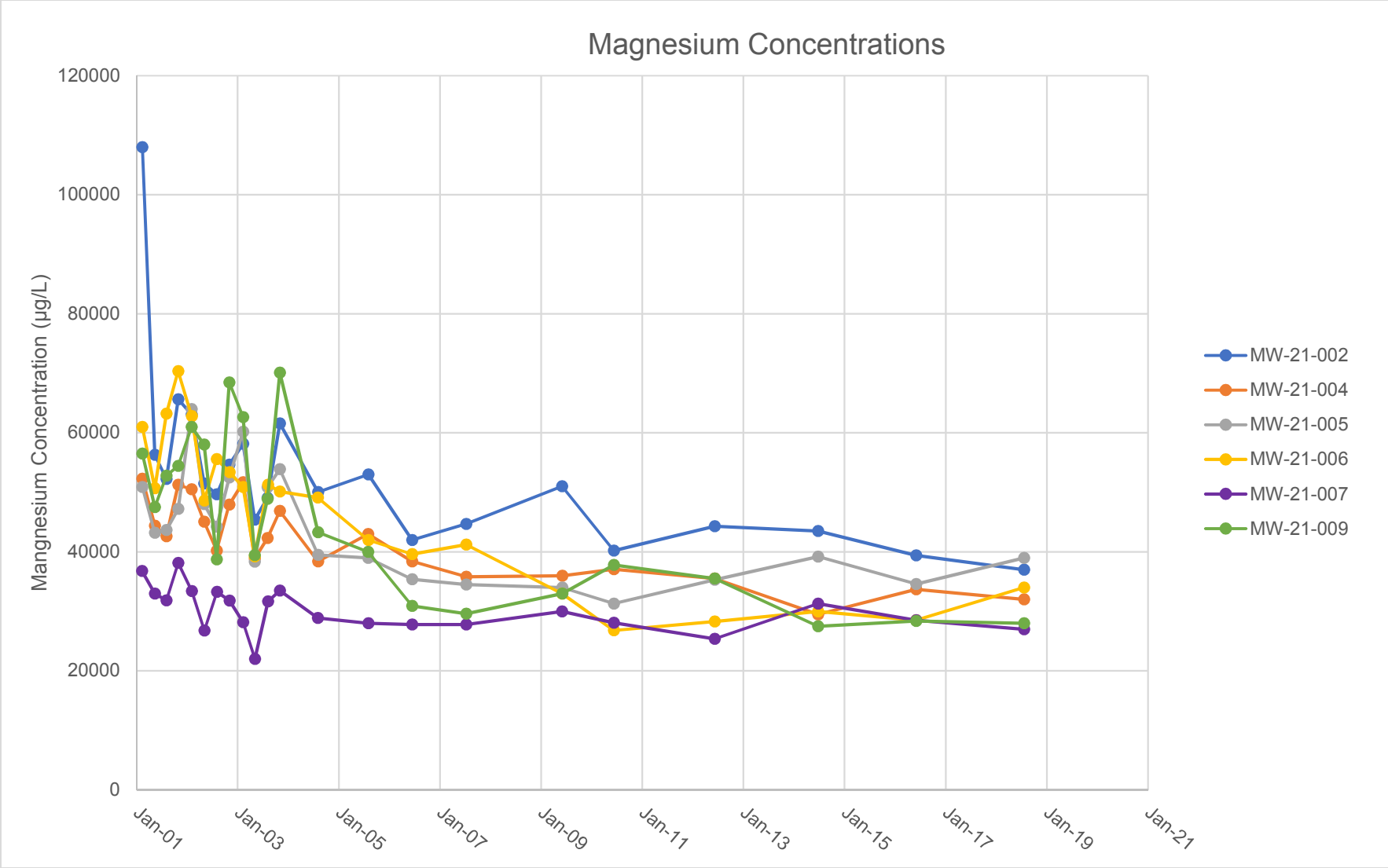
µg/L: micrograms per liter
D: Dissolved
mg/L: miligrams per liter
N: normal (parent) sample
NA: not analyzed
T: Total

Data Qualifiers:
J: The compound was positively identified; however, the associated numerical value is an estimated concentration only.
M: The analyte in question was quantitated using peak heights rather than peak areas for both the analyte and its internal standard.
U: The compound was analyzed for but not detected. The associated value is the compound quantitation limit.
UJ: The compound was not detected above the reported sample quantitation limit. However, the reported limit is approximate and may or may not represent the actual limit of quantitation.

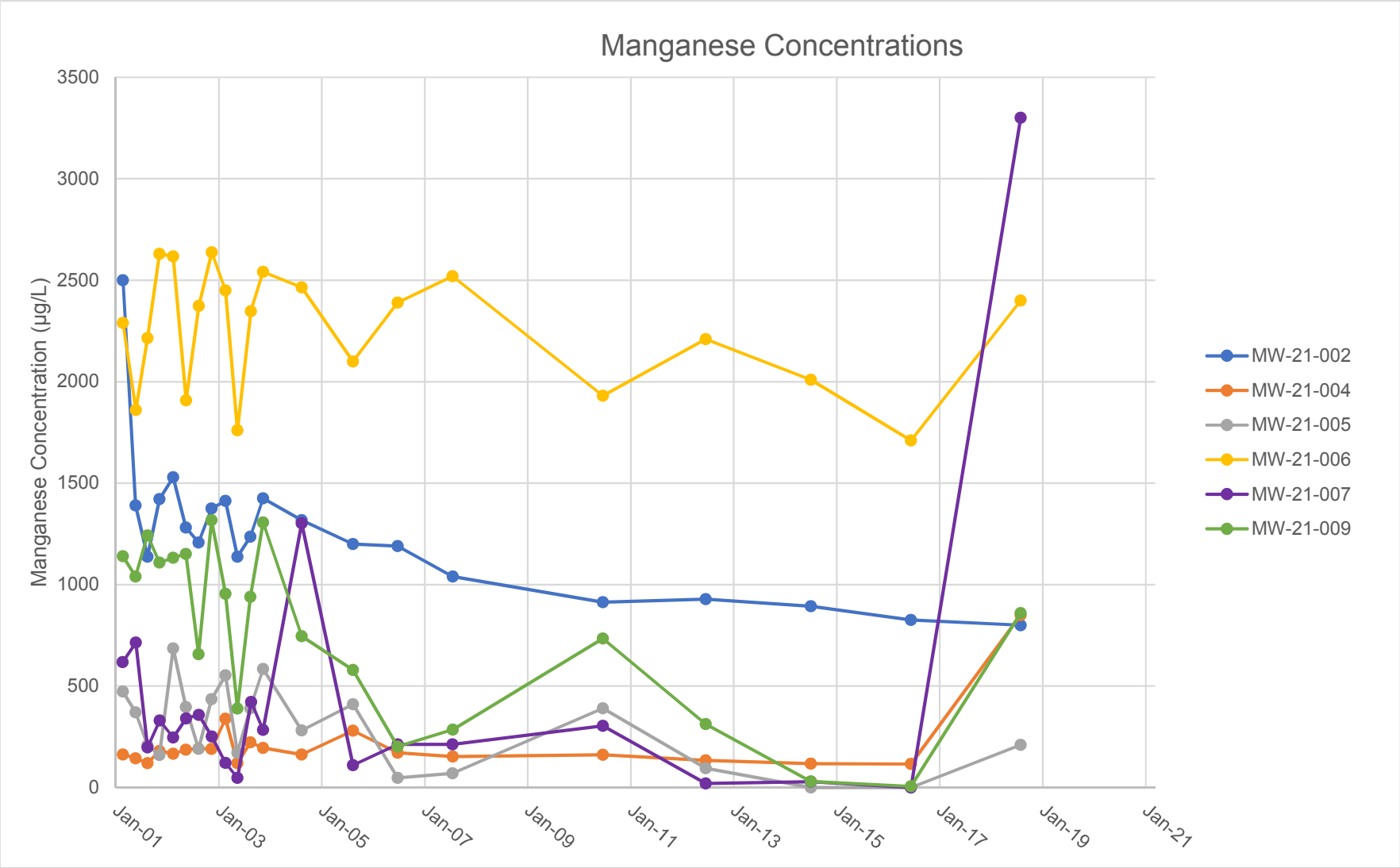
Former Plattsburgh Air Force Base
Plattsburgh, New York
Landfill LF021



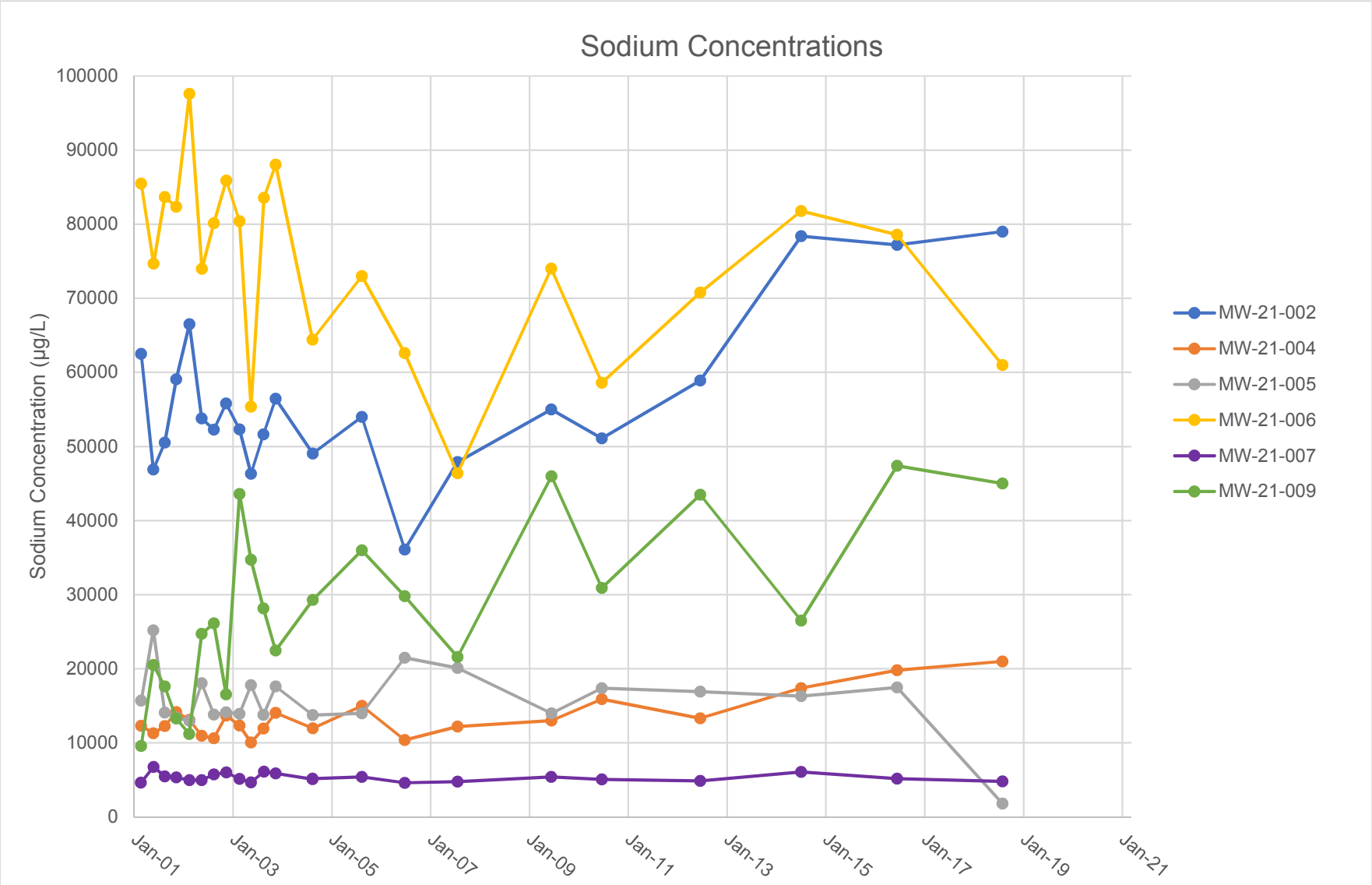
Former Plattsburgh Air Force Base
Plattsburgh, New York
Landfill LF021



Former Plattsburgh Air Force Base
Plattsburgh, New York
Landfill LF021



Former Plattsburgh Air Force Base
Plattsburgh, New York
Landfill LF021



APPENDIX B-5

Landfill LF022

Appendix B-5
Groundwater Analytical Data, Landfill LF022
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-22-001	MW-22-001	MW-22-001	MW-22-001	MW-22-001	MW-22-001	MW-22-001	MW-22-001	MW-22-001	MW-22-001	MW-22-001	MW-22-001	MW-22-001	MW-22-001	MW-22-001	MW-22-001	MW-22-001	MW-22-001
		Sample Date	12/7/1987	1/12/1989	3/22/2001	6/20/2001	6/20/2001	9/18/2001	9/18/2001	12/11/2001	12/11/2001	3/15/2002	3/15/2002	6/13/2002	9/17/2002	9/17/2002	12/10/2002	6/18/2003	12/17/2003	7/1/2004
		Sample Type	N	N	N	N	FD	N	FD	N	FD	N	FD	N	N	FD	N	N	N	N
Chemical	**Fraction**	**Unit**																		
Aluminum	D	ug/L	**26**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	NA	NA	< 8.5 U	NA	NA	NA	NA	NA	NA	NA	NA	**112 F**	**75.3 F**	**34.3 F**	**459 M**	NA	**277 M**	NA
Antimony	D	ug/L	< 60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	NA	NA	< 4.1 U	NA	NA	NA	NA	NA	NA	NA	NA	**7.6 F**	< 50 U	< 50 U	**10.8 F**	NA	< 50 U	NA
Arsenic	D	ug/L	**1.5**	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	ug/L	NA	NA	< 4.4 U	NA	NA	NA	NA	NA	NA	NA	NA	**5.7 F**	< 30 U	< 30 U	< 30 U	NA	**16.2 F**	NA
Barium	D	ug/L	**18**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	ug/L	NA	NA	**22.1**	NA	NA	NA	NA	NA	NA	NA	NA	**22**	**20.6 J**	**20.5 J**	**24.1 F**	NA	**17.2 J**	NA
Beryllium	D	ug/L	< 5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	NA	NA	< 1 U	NA	NA	NA	NA	NA	NA	NA	NA	< 5 U	< 5 U	< 5 U	< 4 U	NA	< 4 U	NA
Boron	T	ug/L	NA	NA	**96.8 B**	NA	NA	NA	NA	NA	NA	NA	NA	**111**	**17.1 F**	**22.8 F**	**55.1 F**	NA	**14.7 F**	NA
Cadmium	D	ug/L	< 5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	ug/L	NA	NA	< 0.4 U	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	**0.28 F**	< 5 U	**1.05 F**	< 5 U
Calcium	D	ug/L	**92500**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	NA	NA	**115000**	**94400**	**89100**	**125078 M**	**121688 M**	**102654 MJ**	**101258 MJ**	**113733 M**	**108661 M**	**95647 M**	**70977 M**	**69893 M**	**90831 M**	**97704 M**	**79660 M**	**45089 M**
Chromium	D	ug/L	< 10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	ug/L	NA	NA	**1.1 B**	NA	NA	NA	NA	NA	NA	NA	NA	< 10 U	**2.7 F**	**2.6 F**	**2.5 F**	NA	**2.5 F**	NA
Chromium VI	T	mg/L	NA	NA	< 0.01 UJ	NA	NA	NA	NA	NA	NA	NA	NA	R	NA	NA	R	NA	R	NA
Cobalt	D	ug/L	**7.9**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	D	ug/L	**17**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	NA	NA	< 3 U	NA	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	< 10 U	< 10 U	NA	< 10 U	NA
Iron	D	ug/L	**187**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	NA	NA	**121**	**428**	**103 F**	**113 F**	**101 F**	< 200 UM	< 200 UM	**115 F**	**107 F**	**248 M**	**242**	**184 F**	**1109 J**	**193 J**	**536 J**	**299 J**
Lead	D	ug/L	< 5	< 0.91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	ug/L	NA	NA	< 2.1 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	**3.9 F**	< 25 U	< 25 U	< 25 U
Magnesium	D	ug/L	**25100**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	NA	NA	**35000**	**24700**	**24800**	**32639**	**32638**	**21194 M**	**22151 M**	**28045**	**27966**	**20440**	**17218**	**17005**	**20735 M**	**24563**	**24056 J**	**14418 M**
Manganese	D	ug/L	**5.6**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	NA	NA	**5.4 B**	**16.4 J**	**8.2 J**	**2.9 F**	**2.5 F**	**2.39 F**	**3.32 F**	**8.4**	**4.4 F**	**13.7**	**14.8**	**12.7**	**49.3 J**	**7.2 F**	**18.3 J**	**7.7 J**
Mercury	D	ug/L	NA	< 0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	NA	NA	< 0.1 U	NA	NA	NA	NA	NA	NA	NA	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA
Nickel	D	ug/L	< 40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	NA	NA	< 2.7 U	NA	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	< 10 U	< 20 U	NA	< 20 U	NA
Potassium	D	ug/L	**9870**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	NA	NA	**3590 J**	**4250 J**	**3600 J**	**4117 J**	**3918 J**	**4087**	**3605**	**2586 J**	**2484 J**	**2979 J**	**2310 J**	**2372 J**	**3691**	**2894**	**2152 J**	**1101 J**
Selenium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	NA	NA	< 9.9 U	NA	NA	NA	NA	NA	NA	NA	NA	< 30 U	< 30 U	< 30 U	< 30 U	NA	**33.1**	NA
Silver	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	NA	NA	< 0.9 U	NA	NA	NA	NA	NA	NA	NA	NA	**3.6 F**	< 10 U	< 10 U	< 10 U	NA	< 10 U	NA
Sodium	D	ug/L	**17900**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	NA	NA	**29900**	**13900 M**	**27800 M**	**30331 M**	**30874 M**	**33609 M**	**37311 M**	**39746**	**46896**	**19967 M**	**43388**	**42080**	**25315 J**	**22070**	**45937 M**	**57095 M**
Thallium	D	ug/L	NA	< 2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	NA	NA	< 4.3 U	NA	NA	NA	NA	NA	NA	NA	NA	**6.6 F**	< 80 U	< 80 U	< 80 U	NA	< 80 U	NA
Vanadium	D	ug/L	**11**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	D	ug/L	**6.8**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	NA	NA	**12.6**	NA	NA	NA	NA	NA	NA	NA	NA	**4.5 F**	**6.3 F**	**5.2 F**	**3.6 F**	NA	**3.3 J**	NA

Appendix B-5
Groundwater Analytical Data, Landfill LF022
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-22-001	MW-22-001	MW-22-001	MW-22-001	MW-22-001	MW-22-001	MW-22-001	MW-22-001	MW-22-001	MW-22-001	MW-22-001	MW-22-001	MW-22-002	MW-22-002	MW-22-002	MW-22-002	MW-22-002	MW-22-002
		Sample Date	12/14/2004	3/22/2005	6/21/2005	6/21/2006	7/24/2007	6/22/2009	6/16/2010	6/20/2012	6/20/2012	6/25/2014	6/25/2014	8/3/2018	12/7/1987	1/12/1989	3/23/2001	6/19/2001	9/18/2001	12/12/2001
		Sample Type	N	N	N	N	N	N	N	N	FD	N	FD	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**																		
Aluminum	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200	**33**	NA	NA	NA	NA
Aluminum	T	ug/L	NA	**70 F**	**140 F**	**235 J**	**239**	**330**	**1070 J**	**236**	**224**	**1440**	**1390**	**65**	NA	NA	< 8.5 U	NA	NA	NA
Antimony	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 60	< 43	NA	NA	NA	NA
Antimony	T	ug/L	NA	< 50000 U	< 50 U	< 50 U	< 50 U	< 2 U	**3.43 M**	< 1 U	< 1 U	**0.646 F**	< 1 U	< 1.0	NA	NA	< 4.1 U	NA	NA	NA
Arsenic	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**4.3**	**2.8**	NA	NA	NA	NA
Arsenic	T	ug/L	NA	< 30000 U	< 30 U	< 30 U	< 30 U	**0.44 F**	**61.6 M**	< 1 U	< 1 U	**34.4**	**0.722 F**	< 1.0	NA	NA	< 4.4 U	NA	NA	NA
Barium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**34**	**38**	NA	NA	NA	NA
Barium	T	ug/L	NA	**13.7 F**	**11 F**	**10 F**	**7.25 F**	**13**	**19.1**	**8.91 F**	**8.77 F**	**28.3**	**27**	**13**	NA	NA	**35.6**	NA	NA	NA
Beryllium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5	< 1.1	NA	NA	NA	NA
Beryllium	T	ug/L	NA	< 4000 U	< 4 U	< 4 U	< 4 U	< 1 U	< 2 UM	< 2 U	< 2 U	< 2 U	< 2 U	< 0.30	NA	NA	< 1 U	NA	NA	NA
Boron	T	ug/L	NA	**33 F**	**15 F**	**10.6 F**	**17.3 F**	**27 M**	**118**	< 100 U	< 100 U	**68 F**	**64.4 F**	NA	NA	NA	< 32.4 U	NA	NA	NA
Cadmium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5	< 4.3	NA	NA	NA	NA
Cadmium	T	ug/L	< 5 U	< 5000 U	**0.31 F**	< 5 U	< 5 U	**0.9 F**	**0.402 F**	< 0.6 U	< 0.6 U	**0.665**	**0.42 F**	**0.49**	NA	NA	< 0.4 U	< 7 U	< 7 U	< 7 U
Calcium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**113000**	**121000**	NA	NA	NA	NA
Calcium	T	ug/L	**115094 M**	**100200 M**	**58000**	**59900**	**47700**	**68000**	**50300 M**	**44800 M**	**44600 M**	**93400 M**	**92500 M**	**57000**	NA	NA	**119000**	**163000**	**176626 M**	**146324 MJ**
Chromium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10	< 5	NA	NA	NA	NA
Chromium	T	ug/L	NA	**3 F**	**2.9 F**	**1.4 F**	**3.64 F**	**1.2 J**	**5.88**	**2.45**	**2.37**	**6.07 J**	**4.37 J**	**1.5**	NA	NA	< 0.8 U	NA	NA	NA
Chromium VI	T	mg/L	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.011 J**	NA	NA	NA
Cobalt	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**13**	< 2.5	NA	NA	NA	NA
Cobalt	T	ug/L	NA	< 60000 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.14**	NA	NA	NA	NA	NA	NA
Copper	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**17**	**12**	NA	NA	NA	NA
Copper	T	ug/L	NA	< 10000 U	**1.5 F**	< 10 U	< 10 U	**1.1 J**	**6.73**	< 2 U	< 2 U	**2.57**	**1.98 F**	< 1.8	NA	NA	< 3 U	NA	NA	NA
Iron	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**7180**	**8760**	NA	NA	NA	NA
Iron	T	ug/L	**27.7 J**	**153 J**	**270**	**959 J**	**1050 J**	**830**	**1490 J**	**543 M**	**552 M**	**3350**	**3300**	**570**	NA	NA	**684**	**227**	**368**	**120 MF**
Lead	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5	< 0.91	NA	NA	NA	NA
Lead	T	ug/L	< 25 U	**1.1 J**	< 25 U	< 25 U	< 25 U	**0.5 F**	**2.28**	< 1 U	< 1 U	**1.36**	**0.98 F**	< 0.70	NA	NA	< 2.1 U	< 25 U	< 25 U	< 25 U
Magnesium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**21800**	**21900**	NA	NA	NA	NA
Magnesium	T	ug/L	**28986**	**29130**	**16000**	**17200**	**14200**	**20000**	**12000 J**	**10300**	**10300**	**26500**	**26500**	**19000**	NA	NA	**23000**	**29700**	**33640**	**26111 M**
Manganese	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**716**	**877**	NA	NA	NA	NA
Manganese	T	ug/L	R	**7 J**	**6.6 M**	**14.5**	**11.2**	**13**	**22.5**	**24.1**	**24.9**	**96.4**	**103**	**26**	NA	NA	**345**	**124 J**	**185**	**83.3**
Mercury	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.2	NA	NA	NA	NA
Mercury	T	ug/L	NA	< 1000 U	**0.014 F**	< 1 U	< 1 U	< 0.2 U	< 0.2 U	< 0.2 UM	< 0.2 UM	< 0.2 U	< 0.2 U	< 0.080	NA	NA	< 0.1 U	NA	NA	NA
Nickel	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 40	< 24	NA	NA	NA	NA
Nickel	T	ug/L	NA	R	**1.5 F**	< 20 U	< 20 U	**0.96 F**	**2.44 F**	**3.59 F**	**3.72 F**	**4.24**	**3.94 F**	**1.4**	NA	NA	< 2.7 U	NA	NA	NA
Potassium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**13500**	< 2360	NA	NA	NA	NA
Potassium	T	ug/L	**3095 J**	**1630**	**1900**	**1320**	**1230**	**1200**	**1400**	**1670**	**1740**	**3070**	**2920**	**1200**	NA	NA	**6490 J**	**9470 J**	**9319 J**	**7806**
Selenium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**10**	NA	NA	NA	NA
Selenium	T	ug/L	NA	< 30000 U	< 30 U	< 30 U	< 30 U	< 5 U	< 1 UM	**0.632 F**	**0.613 F**	**137**	**0.646 F**	< 2.0	NA	NA	< 9.9 U	NA	NA	NA
Silver	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4.3	NA	NA	NA	NA
Silver	T	ug/L	NA	**1 F**	**1.3 F**	< 10 U	< 10 U	< 1 U	< 1 UM	< 1 U	< 1 U	< 1 U	< 1 U	< 0.10	NA	NA	< 0.9 U	NA	NA	NA
Sodium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**23800**	**11000**	NA	NA	NA	NA
Sodium	T	ug/L	**12550 J**	**21100 M**	**13000**	**13700**	**3130**	**17000**	**9960 J**	**55300**	**52900**	**29500**	**33200**	**83000**	NA	NA	**37200**	**14100 M**	**15429 M**	**35540 M**
Thallium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2	NA	NA	NA	NA
Thallium	T	ug/L	NA	< 80000 U	< 80 U	< 80 U	< 80 U	< 1 U	< 0.2 U	< 0.2 U	< 0.2 U	**0.135 F**	< 0.2 U	< 0.20	NA	NA	< 4.3 U	NA	NA	NA
Vanadium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**12**	< 2.3	NA	NA	NA	NA
Vanadium	T	ug/L	NA	**2 J**	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.99**	NA	NA	NA	NA	NA	NA
Zinc	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**8.4**	**11**	NA	NA	NA	NA
Zinc	T	ug/L	NA	**12 F**	**5.4 F**	**5.83 F**	< 20 U	**2.7 F**	**10.4 M**	< 20 U	**5.31 F**	**17.2 F**	**20.6**	**3.4**	NA	NA	**4.1 B**	NA	NA	NA

Appendix B-5
Groundwater Analytical Data, Landfill LF022
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-22-002	MW-22-002	MW-22-002	MW-22-002	MW-22-002	MW-22-002	MW-22-002	MW-22-002	MW-22-002	MW-22-002	MW-22-002	MW-22-002	MW-22-002	MW-22-002	MW-22-002	MW-22-002	MW-22-002	MW-22-002
		Sample Date	3/14/2002	6/11/2002	9/18/2002	12/12/2002	12/12/2002	6/17/2003	12/10/2003	12/10/2003	6/21/2004	12/14/2004	3/21/2005	3/21/2005	6/20/2005	6/19/2006	7/18/2007	6/17/2009	6/15/2010	6/19/2012
		Sample Type	N	N	N	N	FD	N	N	FD	N	N	N	FD	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**																		
Aluminum	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	NA	**25.6 F**	**32 F**	< 200 UM	< 200 UM	NA	< 200 U	< 200 U	NA	NA	< 200000 U	< 200000 U	**21 F**	**48.7 F**	< 200 U	< 200 U	**430 J**	< 100 U
Antimony	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	NA	**9.4 F**	**3.2 F**	**14.7 F**	**10.3 F**	NA	< 50 U	< 50 U	NA	NA	< 50000 U	< 50000 U	< 50 U	< 50 U	< 50 U	**0.4 M**	**7.39 M**	< 1 U
Arsenic	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	ug/L	NA	< 30 U	< 30 U	< 30 U	< 30 U	NA	**18.4 F**	**23.7 F**	NA	NA	< 30000 U	< 30000 U	< 30 U	< 30 U	< 30 U	**0.93 F**	**115 M**	**0.517 F**
Barium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	ug/L	NA	**42.8 J**	**44.3 J**	**45 F**	**39.6 F**	NA	**33.7 F**	**35.9 F**	NA	NA	**36.6 F**	**36.5 F**	**36 F**	**49.8 F**	**35.1 F**	**44**	**48.3**	**35.6**
Beryllium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	NA	< 5 U	< 5 U	< 4 U	< 4 U	NA	< 4 U	< 4 U	NA	NA	< 4000 U	< 4000 U	< 4 U	< 4 U	< 4 U	< 1 U	< 2 UM	< 2 U
Boron	T	ug/L	NA	**98.9 F**	**87.2 F**	**90.6 F**	**80.8 F**	NA	**37.4 F**	**38.1 F**	NA	NA	**134**	**132**	**130**	**149**	**150**	**170 M**	**177**	**57.4 F**
Cadmium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	ug/L	< 7 U	< 7 U	< 7 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5000 U	< 5000 U	< 5 U	< 5 U	< 5 U	< 1 U	< 0.6 U	< 0.6 U
Calcium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	**127602 M**	**149834 M**	**140497 M**	**143318 M**	**140997 M**	**103410 M**	**106307 M**	**112606 M**	**117965 M**	**112188 M**	**118700 M**	**116300 M**	**110000**	**120000**	**107000**	**120000**	**112000 M**	**127000 M**
Chromium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	ug/L	NA	< 10 U	**1.6 F**	**1 F**	**1.4 F**	NA	**1.6 F**	**2.4 F**	NA	NA	**2 F**	**1 F**	**1.7 F**	< 10 U	**5.23 F**	< 2 U	**4.29**	**1.32 F**
Chromium VI	T	mg/L	NA	R	NA	R	NA	NA	< 0.01 U	< 0.01 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA
Cobalt	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 60000 U	< 60000 U	NA	NA	NA	NA	NA	NA
Copper	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	NA	< 10 U	< 10 U	**1.2 F**	< 10 U	NA	< 10 U	< 10 U	NA	NA	< 10000 U	< 10000 U	< 10 U	**2.2 F**	< 10 U	**0.76 F**	**3.62**	**1.45 F**
Iron	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	**144 F**	< 200 UM	**397**	**851 J**	**126 JF**	**976 J**	< 200 U	**288**	**623 J**	**610 J**	**149 J**	**235 J**	**460**	**1440 J**	**49.4 J**	**690 J**	**1220 J**	**465 M**
Lead	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	ug/L	< 25 U	< 25 U	< 25 U	**4.1 F**	**3.1 F**	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25000 U	< 25000 U	< 25 U	< 25 U	< 25 U	< 2 U	**3.78**	< 1 U
Magnesium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	**25299**	**30394**	**28277**	**26644 M**	**26559 M**	**21372**	**22689**	**23559**	**24065 M**	**25729**	**28740**	**27740**	**27000**	**27800**	**25400**	**32000**	**18900 J**	**24200**
Manganese	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	**76.9**	**41.2**	**85.7**	**378 J**	**53.5 J**	**446**	**40.3 J**	**99.7 J**	**216 J**	**188 J**	**40 J**	**69 J**	**160 M**	**447 J**	**15.3**	**75 J**	**483**	**132**
Mercury	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	NA	< 1 U	NA	**0.03 F**	**0.03 F**	NA	< 1 U	< 1 U	NA	NA	< 1000 U	< 1000 U	**0.013 F**	< 1 U	< 1 U	< 0.2 U	< 0.2 U	< 0.2 UM
Nickel	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	NA	< 10 U	< 10 U	< 20 U	< 20 U	NA	< 20 U	< 20 U	NA	NA	< 20000 U	< 20000 U	< 20 U	**1.48 F**	< 20 U	**0.97 F**	**7.38**	**10.6**
Potassium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	**6446 J**	**5982 J**	**5544 J**	**6862**	**5668**	**7032**	**6920**	**7637**	**8846 J**	**7849 J**	**7220**	**7340**	**6600**	**11400**	**8080**	**6100**	**7730**	**4940**
Selenium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	NA	< 30 U	< 30 U	< 30 U	< 30 U	NA	< 30 U	**8.9 F**	NA	NA	< 30000 U	< 30000 U	< 30 U	< 30 U	< 30 U	< 5 U	**0.641 M**	**1.21**
Silver	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	NA	< 10 U	< 10 U	< 10 U	< 10 U	NA	< 10 U	< 10 U	NA	NA	< 10000 U	< 10000 U	< 10 U	< 10 U	< 10 U	< 1 U	< 1 UM	< 1 U
Sodium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	**27925**	**28830 M**	**19162**	**30647 J**	**31598 J**	**27570**	**24330 M**	**24561 M**	**33984 M**	**21299 J**	**20560 M**	**20660 M**	**21000**	**11000**	**22000**	**9800**	**10900 J**	**71400**
Thallium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	NA	**6.7 F**	**6.4 F**	**4.2 F**	< 80 U	NA	< 80 U	< 80 U	NA	NA	< 80000 U	< 80000 U	< 80 U	< 80 U	< 80 U	< 1 U	< 0.2 U	< 0.2 U
Vanadium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10000 U	< 10000 U	NA	NA	NA	NA	NA	NA
Zinc	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	NA	**7.4 F**	**3.8 F**	**4.9 F**	**2.9 F**	NA	< 20 U	< 20 U	NA	NA	**6 F**	**9 F**	**3.3 F**	**8.21 F**	< 20 U	**2.9 F**	< 20 UM	< 20 U

Appendix B-5
Groundwater Analytical Data, Landfill LF022
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-22-002	MW-22-002	MW-22-003	MW-22-003	MW-22-003	MW-22-003	MW-22-003	MW-22-003	MW-22-003	MW-22-003	MW-22-003	MW-22-003	MW-22-003	MW-22-003	MW-22-003	MW-22-003	MW-22-003	MW-22-003
		Sample Date	6/25/2014	8/2/2018	1/11/1989	3/21/2001	6/19/2001	9/18/2001	12/12/2001	3/15/2002	6/12/2002	9/18/2002	12/13/2002	12/20/2002	6/18/2003	12/11/2003	6/21/2004	12/14/2004	3/23/2005	6/22/2005
		Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**																		
Aluminum	D	ug/L	NA	NA	**36**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	**468**	< 70	NA	**965**	NA	NA	NA	NA	**1440**	< 200 U	**373 M**	NA	NA	**4524 M**	NA	NA	**1630**	**810**
Antimony	D	ug/L	NA	NA	**44**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	**0.98 F**	< 1.0	NA	< 4.1 U	NA	NA	NA	NA	**5.1 F**	< 50 U	< 50 U	NA	NA	< 50 U	NA	NA	< 50000 U	< 50 U
Arsenic	D	ug/L	NA	NA	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	ug/L	**1.65**	< 1.0	NA	< 4.4 U	NA	NA	NA	NA	< 30 U	**10.6 F**	< 30 U	NA	NA	< 30 U	NA	NA	< 30000 U	< 30 U
Barium	D	ug/L	NA	NA	**18**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	ug/L	**39.1**	**17**	NA	**30.6**	NA	NA	NA	NA	**34.9**	**73.2 J**	**28.2 F**	NA	NA	**53.8**	NA	NA	**42 F**	**47 F**
Beryllium	D	ug/L	NA	NA	< 1.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	< 2 U	< 0.30	NA	< 0.1 U	NA	NA	NA	NA	< 5 U	< 5 U	< 4 U	NA	NA	**0.54 F**	NA	NA	< 4000 U	< 4 U
Boron	T	ug/L	**58.8 F**	NA	NA	**111**	NA	NA	NA	NA	**17.1 F**	**85.6 F**	**51.2 F**	NA	NA	**66.8 F**	NA	NA	**42 F**	**39 F**
Cadmium	D	ug/L	NA	NA	< 4.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	ug/L	< 0.6 U	< 1.0	NA	< 0.4 U	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	< 5 U	NA	< 5 U	< 5 U	< 5 U	< 5 U	< 5000 U	< 5 U
Calcium	D	ug/L	NA	NA	**74200**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	**133000 M**	**72000**	NA	**81000**	**49400**	**68448 M**	**79786 MJ**	**61304 M**	**54833 M**	**121828 M**	**76297 M**	NA	**69357 M**	**56368 M**	**95311 M**	**101035 M**	**69310 M**	**78000**
Chromium	D	ug/L	NA	NA	< 5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	ug/L	**1.23 J**	**0.56**	NA	**2.9 B**	NA	NA	NA	NA	**2.8 F**	**0.7 F**	**0.6 F**	NA	NA	**8.4 F**	NA	NA	**1 F**	**2.3 F**
Chromium VI	T	mg/L	NA	NA	NA	< 0.01 UJ	NA	NA	NA	NA	R	NA	NA	< 0.01 UM	NA	**0.043 M**	NA	NA	**0.003 F**	NA
Cobalt	D	ug/L	NA	NA	**9.3**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	NA	**0.091**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 60000 U	NA
Copper	D	ug/L	NA	NA	**4.8**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	**2.19**	< 1.8	NA	**4.1 B**	NA	NA	NA	NA	< 10 U	< 10 U	< 10 U	NA	NA	**4.3 F**	NA	NA	< 10000 U	**2 F**
Iron	D	ug/L	NA	NA	**64**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	**1980**	**78**	NA	**1580**	**699**	**1282**	**122 MF**	**825**	**2090 M**	**17397**	**641 J**	NA	**4529 J**	**7742**	**231 J**	**204 J**	**2316 J**	**1100**
Lead	D	ug/L	NA	NA	< 0.91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	ug/L	**0.839 F**	< 0.70	NA	< 2.1 U	< 25 U	< 25 U	< 25 U	**4.7 F**	< 25 U	< 25 U	< 25 U	NA	**2.9 F**	**5.4 F**	< 25 U	< 25 U	**2.5 J**	**1.2 F**
Magnesium	D	ug/L	NA	NA	**25900**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	**23200**	**15000**	NA	**19900**	**11600**	**15872**	**17293 M**	**14555**	**13397**	**19800**	**17600 M**	NA	**16554**	**13421**	**17925 M**	**18033**	**12390**	**14000**
Manganese	D	ug/L	NA	NA	< 1.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	**461**	**24**	NA	**29.9**	**15.5 J**	**22.9**	**4.4 F**	**26.3**	**49.7**	**649**	**14.7 J**	NA	**163**	**118 J**	**7.6 J**	**7.1 J**	**34 J**	**20 M**
Mercury	D	ug/L	NA	NA	< 0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	< 0.2 U	< 0.080	NA	< 0.1 U	NA	NA	NA	NA	< 1 U	NA	< 1 U	NA	NA	< 1 U	NA	NA	< 1000 U	**0.027 F**
Nickel	D	ug/L	NA	NA	< 24	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	**6.07**	< 1.0	NA	< 2.7 U	NA	NA	NA	NA	< 10 U	< 10 U	< 20 U	NA	NA	**5.1 F**	NA	NA	**2 J**	**2.6 F**
Potassium	D	ug/L	NA	NA	**10200**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	**6740**	**2300**	NA	**2160 J**	**1680 J**	**1922 J**	**1617**	**2042 J**	**2439 J**	**12389 J**	**1480**	NA	**1898**	**2422**	**1678 J**	**1945 J**	**2860**	**3500**
Selenium	D	ug/L	NA	NA	**10**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	**1.54**	< 2.0	NA	< 9.9 U	NA	NA	NA	NA	< 30 U	< 30 U	**6.9 F**	NA	NA	< 30 U	NA	NA	< 30000 U	< 30 U
Silver	D	ug/L	NA	NA	< 4.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	< 1 U	< 0.10	NA	< 0.9 U	NA	NA	NA	NA	< 10 U	< 10 U	< 10 U	NA	NA	< 10 U	NA	NA	< 10000 U	**1.4 F**
Sodium	D	ug/L	NA	NA	**125000**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	**12100**	**74000**	NA	**150000**	**144000 M**	**119471 M**	**96742 M**	**137030**	**139777 M**	**42762**	**116897 J**	NA	**141801**	**130433 M**	**171508 M**	**121616 J**	**194400 M**	**250000**
Thallium	D	ug/L	NA	NA	< 2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	< 0.2 U	< 0.20	NA	< 4.3 U	NA	NA	NA	NA	**5.1 F**	**5.5 F**	< 80 U	NA	NA	< 80 U	NA	NA	< 80000 U	< 80 U
Vanadium	D	ug/L	NA	NA	**8.7**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	NA	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**4 J**	NA
Zinc	D	ug/L	NA	NA	**83**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	**11.8 F**	**2.1**	NA	**4.9 B**	NA	NA	NA	NA	**8.3 F**	**2.6 F**	**2.2 F**	NA	NA	**16.1 F**	NA	NA	**10 F**	**4.6 F**

Appendix B-5
Groundwater Analytical Data, Landfill LF022
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-22-003	MW-22-003	MW-22-003	MW-22-003	MW-22-003	MW-22-003	MW-22-003	MW-22-003	MW-22-003	MW-22-003	MW-22-003	MW-22-004	MW-22-004	MW-22-004	MW-22-004	MW-22-004	MW-22-004	MW-22-004
		Sample Date	6/22/2005	6/21/2006	6/21/2006	7/19/2007	7/19/2007	6/19/2009	6/19/2009	6/15/2010	6/20/2012	6/26/2014	8/3/2018	1/11/1989	3/21/2001	6/12/2002	12/13/2002	12/20/2002	12/11/2003	3/23/2005
		Sample Type	FD	N	FD	N	FD	N	FD	N	N	N	N	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**																		
Aluminum	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 25	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	**110 F**	**549 J**	**369 J**	**162 F**	**97.2 F**	**1800**	**2100**	**1530 J**	**666**	**4410**	**170**	NA	**3430**	**1284**	**625 M**	NA	**452 M**	**90 F**
Antimony	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 43	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	< 50 U	**3.39 F**	**3.5 F**	**9.65 F**	**4.45 F**	**0.65 M**	**0.73 M**	**5.2 M**	**0.977 F**	**0.625 F**	< 1.0	NA	**4.8 B**	**9.2 F**	< 50 U	NA	< 50 U	< 50000 U
Arsenic	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.6	NA	NA	NA	NA	NA	NA
Arsenic	T	ug/L	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 5 U	< 5 U	**84.4 M**	< 1 U	**1.05**	< 1.0	NA	< 4.4 U	< 30 U	< 30 U	NA	< 30 U	< 30000 U
Barium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**22**	NA	NA	NA	NA	NA	NA
Barium	T	ug/L	**45 F**	**31.4 F**	**29.5 F**	**21.3 F**	**20.4 F**	**34**	**38**	**38.2**	**17.5**	**50.1**	**26**	NA	**42.8**	**23**	**18.1 F**	NA	**13.7 F**	**9.06 F**
Beryllium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.1	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 1 U	< 1 U	< 2 UM	< 2 U	< 2 U	< 0.30	NA	**0.25 B**	< 5 U	< 4 U	NA	**0.18 F**	< 4000 U
Boron	T	ug/L	**60**	**37.5 F**	**31.9 F**	**97**	**97.6**	**18 M**	**20 M**	**124**	< 100 U	< 100 U	NA	NA	< 32.4 U	< 110 U	< 110 U	NA	< 110 U	**7 F**
Cadmium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4.3	NA	NA	NA	NA	NA	NA
Cadmium	T	ug/L	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 1 U	< 1 U	< 0.6 U	< 0.6 U	< 0.6 U	< 1.0	NA	< 0.4 U	< 7 U	< 5 U	NA	< 5 U	< 5000 U
Calcium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**50200**	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	**85000**	**60200**	**59100**	**41800**	**41000**	**37000**	**38000**	**56400 M**	**29800 M**	**44200 M**	**81000**	NA	**65800**	**52426 M**	**62851 M**	NA	**53412 M**	**56180 M**
Chromium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5	NA	NA	NA	NA	NA	NA
Chromium	T	ug/L	**2 F**	**3.91 F**	**3.58 F**	**3.42 F**	**2.32 F**	**3.1 J**	**4.1 J**	**5.35**	**2.93**	**6.72 J**	**1.1**	NA	**7 B**	**3.4 F**	**0.9 F**	NA	**1.9 F**	**1 F**
Chromium VI	T	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.01 UJ	R	NA	**0.16 M**	**0.024 M**	< 0.5 U
Cobalt	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**12**	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.11**	NA	NA	NA	NA	NA	NA	< 60000 U
Copper	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**4.8**	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	< 10 U	< 10 U	**1.65 F**	< 10 U	< 10 U	**2.1 J**	**2.7 J**	**2.89**	**1.76 F**	**4.55**	< 1.8	NA	**7.2 B**	< 10 U	**1.3 F**	NA	< 10 U	< 10000 U
Iron	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**19**	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	**120 F**	**791 J**	**553 J**	**298 J**	**179 J**	**3200**	**3700**	**1790 J**	**1100 M**	**6540**	**290**	NA	**4410**	**1486 M**	**794 J**	NA	**653**	**113 J**
Lead	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.91	NA	NA	NA	NA	NA	NA
Lead	T	ug/L	< 25 U	**1.15 F**	**1.02 F**	< 25 U	< 25 U	**2.9**	**3.3**	**3.5**	**1.11**	**5.32**	**0.21**	NA	< 2.1 U	< 25 U	< 25 U	NA	< 25 U	**1.3 J**
Magnesium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**18700**	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	**14000**	**11300**	**11100**	**8640**	**8560**	**7800**	**7900**	**8870 J**	**4870**	**9070**	**13000**	NA	**18600**	**16644**	**16891 M**	NA	**17628**	**18160**
Manganese	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**166**	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	**5 M**	**11.6**	**8.95 F**	**6.93 F**	**4.52 F**	**44**	**53**	**26.7**	**12.3**	**89.5**	**5.2**	NA	**81.4**	**29.8**	**22 J**	NA	**15.7 J**	**2 J**
Mercury	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.2	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	**0.024 F**	< 1 U	< 1 U	< 1 U	< 1 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 UM	< 0.2 U	< 0.080	NA	< 0.1 U	< 1 U	< 1 U	NA	< 1 U	< 1000 U
Nickel	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 24	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	**1.5 F**	**2.59 F**	**1.27 F**	**2.9 F**	**1.72 F**	**3.2**	**3.5**	**4.02**	**3.62 F**	**4.84**	**0.58**	NA	**5.5 B**	< 10 U	< 20 U	NA	< 20 U	R
Potassium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**9530**	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	**3500**	**3390**	**3250**	**2740**	**2320**	**2400**	**2500**	**2560**	**1540**	**2950**	**2200**	NA	**4010 J**	**3833 J**	**2210**	NA	**2383**	**1580**
Selenium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**10**	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	**0.78 F**	< 5 U	**1.19 M**	**0.957 F**	**1.14**	< 2.0	NA	< 9.9 U	< 30 U	< 30 U	NA	< 30 U	< 30000 U
Silver	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4.3	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	< 10 U	**1.18 F**	< 10 U	< 10 U	< 10 U	< 1 U	< 1 U	< 1 UM	< 1 U	< 1 U	< 0.10	NA	< 0.9 U	< 10 U	< 10 U	NA	< 10 U	**1 F**
Sodium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**33800**	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	**250000**	**169000**	**171000**	**179000**	**181000**	**150000**	**150000**	**135000 J**	**120000**	**132000**	**120000**	NA	**126000**	**113576 M**	**119840 J**	NA	**126620 M**	**131700 M**
Thallium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 1 U	< 1 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.20	NA	< 4.3 U	< 80 U	< 80 U	NA	< 80 U	< 80000 U
Vanadium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**11**	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2.0	NA	NA	NA	NA	NA	NA	R
Zinc	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**17**	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	**2.3 F**	**8.53 F**	**22.9**	< 20 U	< 20 U	**7.2 F**	**8.7 F**	< 20 UM	**25.6 B**	**44**	**2.7**	NA	**20.4**	**12**	**4.5 F**	NA	**3.9 F**	**7 F**

Appendix B-5
Groundwater Analytical Data, Landfill LF022
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-22-004	MW-22-004	MW-22-004	MW-22-004	MW-22-004	MW-22-004	MW-22-004	MW-22-004	MW-22-004	MW-22-005	MW-22-005	MW-22-005	MW-22-005	MW-22-005	MW-22-005	MW-22-005	MW-22-005	MW-22-005
		Sample Date	6/22/2005	6/21/2006	7/19/2007	6/19/2009	6/15/2010	6/15/2010	6/20/2012	6/26/2014	8/3/2018	1/11/1989	3/22/2001	6/20/2001	9/18/2001	12/11/2001	3/15/2002	6/13/2002	9/17/2002	12/10/2002
		Sample Type	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**																		
Aluminum	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 25	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	**110 F**	**272 J**	**91.8 F**	< 200 U	**389 J**	**156 J**	**173**	**1080**	**91**	NA	**8580**	NA	NA	NA	NA	**1755**	**6791**	< 200 UM
Antimony	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 43	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	**2.9 F**	**7.18 F**	**7.21 F**	**1.9 M**	**1 M**	**0.91 M**	**1.76 B**	**0.755 F**	< 1.0	NA	< 4.1 U	NA	NA	NA	NA	**4.5 F**	**3.6 F**	**14.1 F**
Arsenic	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	ug/L	< 30 U	< 30 U	< 30 U	< 5 U	< 1 UM	< 1 UM	< 1 U	< 1 U	< 1.0	NA	< 4.4 U	NA	NA	NA	NA	< 30 U	< 30 U	< 30 U
Barium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	**7**	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	ug/L	**19 F**	**15.4 F**	**9.27 F**	**11**	**13.2**	**9.04 F**	**16.9**	**19.3**	**4.1**	NA	**59.7**	NA	NA	NA	NA	**20.2**	**63 J**	**7 F**
Beryllium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.1	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	< 4 U	< 4 U	< 4 U	< 1 U	< 2 UM	< 2 UM	< 2 U	< 2 U	< 0.30	NA	< 0.1 U	NA	NA	NA	NA	< 5 U	**0.61 F**	< 4 U
Boron	T	ug/L	**11 F**	**9.6 F**	**13 F**	**13 M**	**73.4 F**	< 100 U	< 100 U	< 100 U	NA	NA	< 32.4 U	NA	NA	NA	NA	< 110 U	< 110 U	**33.4 F**
Cadmium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4.3	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	ug/L	< 5 U	< 5 U	< 5 U	< 1 U	< 0.6 U	< 0.6 U	< 0.6 U	< 0.6 U	**0.39**	NA	< 0.4 U	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	< 5 U
Calcium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	**47700**	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	**85000**	**69200**	**43100**	**45000**	**38200 M**	**46400 M**	**52800 M**	**52100 M**	**5600**	NA	**56500**	**59200**	**65530 M**	**61150 MJ**	**44404 M**	**46611 M**	**56434 M**	**49189 M**
Chromium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	ug/L	**2.5 F**	**3.97 F**	**4.89 F**	**0.54 J**	**3.02**	**3.09**	**3.81**	**3.15 J**	**2.0**	NA	**10.1**	NA	NA	NA	NA	**3.5 F**	**10.3**	**1.6 F**
Chromium VI	T	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.01 UJ	NA	NA	NA	NA	R	NA	R
Cobalt	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	**11**	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	**0.57**	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 3.1	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	< 10 U	< 10 U	< 10 U	**0.66 J**	< 2 U	< 2 U	**2.92 B**	**2.58**	< 1.8	NA	**9.7 B**	NA	NA	NA	NA	< 10 U	< 10 U	< 10 U
Iron	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	**15**	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	**120 F**	**361 J**	**128 J**	**71**	**281 J**	**174 J**	**417 M**	**1610**	**140**	NA	**13900**	**12200**	**12557**	**14414 M**	**333**	**2261 M**	**10201**	**96.3 JF**
Lead	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.91	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	ug/L	**1.2 F**	**0.93 F**	< 25 U	< 2 U	< 1 U	< 1 U	**0.625 F**	**1.28**	**0.20**	NA	**4 B**	**4.8 F**	**3.8 F**	**4.9 F**	< 25 U	< 25 U	**2.6 F**	< 25 U
Magnesium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	**19100**	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	**21000**	**22500**	**14400**	**15000**	**10600 J**	**13500 J**	**16300**	**14300**	**15000**	NA	**25000**	**22900**	**26529**	**23536 M**	**16981**	**17971**	**23738**	**18270 M**
Manganese	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	**8.9**	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	**4.9 M**	**8.86 F**	**4.45 F**	**2.6**	**5.96 F**	< 10 U	**7.41 F**	**29.1**	**3.2**	NA	**203**	**185 J**	**220**	**242**	**8.5**	**35.8**	**249**	**1.2 JF**
Mercury	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.2	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	**0.023 F**	< 1 U	< 1 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 UM	< 0.2 U	< 0.080	NA	< 0.1 U	NA	NA	NA	NA	< 1 U	NA	< 1 U
Nickel	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 24	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	**2.4 F**	**1.43 F**	**2.14 F**	**1.6 F**	**2.35 F**	**2.23 F**	**6.27**	**3.18 F**	**0.48**	NA	**5.4 B**	NA	NA	NA	NA	< 10 U	< 10 U	< 20 U
Potassium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	**13200**	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	**3000**	**3070**	**4480**	**1900**	**1390**	**1600**	**2480**	**2350**	**50000**	NA	**3270 J**	**3260 J**	**3219 J**	**4298**	**1093 J**	**1500 J**	**2621 J**	**594 F**
Selenium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	**10**	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	< 30 U	< 30 U	< 30 U	**0.43 F**	**0.697 M**	**0.514 M**	**1.37**	**0.512 F**	< 2.0	NA	< 9.9 U	NA	NA	NA	NA	< 30 U	< 30 U	< 30 U
Silver	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4.3	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	< 10 U	< 10 U	< 10 U	< 1 U	< 1 UM	< 1 UM	< 1 U	< 1 U	< 0.10	NA	< 0.9 U	NA	NA	NA	NA	**2.5 F**	< 10 U	< 10 U
Sodium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	**33800**	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	**150000**	**165000**	**148000**	**140000**	**112000 J**	**148000 J**	**151000**	**137000**	**150000**	NA	**42400**	**45200 M**	**54411 M**	**61052 M**	**64994**	**61607 M**	**51153**	**54514 J**
Thallium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	< 80 U	< 80 U	< 80 U	< 1 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.20	NA	< 4.3 U	NA	NA	NA	NA	< 80 U	< 80 U	**4.3 F**
Vanadium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	**11**	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	**18**	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	**12 F**	**15.1 F**	< 20 U	**3.2 F**	< 20 UM	< 20 UM	**32.4 B**	**11.7 F**	**3.7**	NA	**31.4**	NA	NA	NA	NA	**8.5 F**	**23.2**	**6.4 F**

Appendix B-5
Groundwater Analytical Data, Landfill LF022
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-22-005	MW-22-005	MW-22-005	MW-22-005	MW-22-005	MW-22-005	MW-22-005	MW-22-005	MW-22-005	MW-22-005	MW-22-005	MW-22-005	MW-22-005	MW-22-005	MW-22-006	MW-22-006	MW-22-006	MW-22-006
		Sample Date	6/18/2003	12/17/2003	7/1/2004	12/14/2004	3/22/2005	3/22/2005	6/21/2005	6/20/2006	7/19/2007	6/23/2009	6/16/2010	6/20/2012	6/24/2014	8/3/2018	1/11/1989	10/8/1993	11/18/1993	3/22/2001
		Sample Type	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**																		
Aluminum	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 25	NA	NA	NA
Aluminum	T	ug/L	NA	**15970 M**	NA	NA	**10170**	**12330**	**7000**	**3110 J**	**5440**	**7400**	**14200 J**	**6010**	**14300**	**1300**	NA	NA	NA	**155**
Antimony	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 43	NA	NA	NA
Antimony	T	ug/L	NA	< 50 U	NA	NA	< 50000 U	< 50000 U	< 50 U	< 50 U	< 50 U	< 2 U	**4.34 M**	**0.55 F**	**0.565 F**	< 1.0	NA	NA	NA	< 4.1 U
Arsenic	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.6	< 1 U	< 1 U	NA
Arsenic	T	ug/L	NA	**24.8 F**	NA	NA	< 30000 U	**5 F**	**3.1 F**	**1.92 F**	< 30 U	**2 F**	**76.9 M**	**2.61**	**3.3**	**0.49**	NA	**1**	< 1 U	< 4.4 U
Barium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**1.1**	< 19 U	< 17 U	NA
Barium	T	ug/L	NA	**112 J**	NA	NA	**76.3**	**88.7**	**54**	**30.9 F**	**43.8 F**	**60**	**102**	**53**	**94.2**	**33**	NA	< 19 U	< 17 U	**5.4 B**
Beryllium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.1	NA	NA	NA
Beryllium	T	ug/L	NA	**0.8 F**	NA	NA	**0.4 F**	**0.49 F**	**0.29 F**	< 4 U	< 4 U	**0.49 F**	**0.902 M**	< 2 U	**0.94 F**	< 0.30	NA	NA	NA	< 1 U
Boron	T	ug/L	NA	< 110 U	NA	NA	**8 F**	**8 F**	**12 F**	**7.37 F**	**10.6 F**	**10 M**	**126**	< 100 U	< 100 U	NA	NA	NA	NA	< 32.4 U
Cadmium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4.3	< 2.7 U	< 2.3 U	NA
Cadmium	T	ug/L	< 5 U	< 5 U	< 5 U	**0.23 F**	< 5000 U	< 5000 U	< 5 U	< 5 U	< 5 U	**1.4**	< 0.6 U	< 0.6 U	< 0.6 U	< 1.0	NA	< 2.7 U	< 2.3 U	< 0.4 U
Calcium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**50200**	NA	NA	NA
Calcium	T	ug/L	**48559 M**	**65782 M**	**71376 M**	**71921 M**	**59750 M**	**64190 M**	**58000**	**71700**	**74100**	**61000**	**64500 M**	**58700 M**	**83100 M**	**68000**	NA	NA	NA	**51400**
Chromium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5	< 5.3 U	< 4.4 U	NA
Chromium	T	ug/L	NA	**20.5**	NA	NA	**16**	**19**	**11**	**6.28 F**	**10.7**	**9.3 J**	**18.5**	**8.39**	**14.2 J**	**2.5**	NA	< 5.3 U	< 4.4 U	**1.3 B**
Chromium VI	T	mg/L	NA	< 0.01 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.01 UJ
Cobalt	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**13**	NA	NA	NA
Cobalt	T	ug/L	NA	NA	NA	NA	**3 F**	**3**	NA	NA	NA	NA	NA	NA	NA	**0.78**	NA	NA	NA	NA
Copper	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 3.1	NA	NA	NA
Copper	T	ug/L	NA	**16**	NA	NA	**9 F**	**11**	**6.5 F**	**3.56 F**	**4.72 F**	**11 J**	**17.9**	**7.79**	**12.9**	**1.3**	NA	NA	NA	**10 B**
Iron	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**24**	NA	NA	NA
Iron	T	ug/L	**3273 J**	**26157 J**	**20420 J**	**18878 J**	**16133 J**	**19988 J**	**9600**	**4280 J**	**7650 J**	**13000**	**21800 J**	**8210 M**	**21800**	**1800**	NA	NA	NA	**344**
Lead	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.91	< 1 U	< 1 U	NA
Lead	T	ug/L	**3.1 F**	**12.4 F**	**9.7 F**	**3.4 F**	**6.6 J**	**8.3 J**	**4.1 F**	**2.52 F**	< 25 U	**5.2**	**11.9**	**5**	**9.23**	**0.75**	NA	< 1 U	< 1 U	< 2.1 U
Magnesium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**19300**	NA	NA	NA
Magnesium	T	ug/L	**18312**	**29144 J**	**30429 M**	**29619**	**25470**	**27990**	**23000**	**26500**	**27600**	**27000**	**25900 J**	**19800**	**31300**	**23000**	NA	NA	NA	**19600**
Manganese	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**229**	NA	NA	NA
Manganese	T	ug/L	**64.9**	**464 J**	**436 J**	**343 J**	**237 J**	**293 J**	**130 M**	**70**	**100**	**220**	**317**	**422**	**360**	**34**	NA	NA	NA	**25.3**
Mercury	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.2	< 0.2	< 0.2 U	NA
Mercury	T	ug/L	NA	< 1 U	NA	NA	< 1000 U	< 1000 U	**0.015 F**	< 1 U	< 1 U	< 0.2 U	< 0.2 U	< 0.2 UM	< 0.2 U	< 0.080	NA	< 0.2	< 0.2 U	< 0.1 U
Nickel	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 24	NA	NA	NA
Nickel	T	ug/L	NA	**8.7 F**	NA	NA	**9 J**	**12 J**	**6.8 F**	**3.23 F**	**5.63 F**	**9.5**	**16.9**	**10.5**	**12.3**	**1.1**	NA	NA	NA	< 2.7 U
Potassium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**16200**	NA	NA	NA
Potassium	T	ug/L	**1218**	**5235 J**	**3952 J**	**4546 J**	**4020**	**4640**	**3000**	**1950**	**2740**	**3000**	**4550**	**2500**	**5140**	**1600**	NA	NA	NA	**1200 J**
Selenium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**10**	< 1	< 1	NA
Selenium	T	ug/L	NA	**29.3 F**	NA	NA	< 30000 U	< 30000 U	< 30 U	< 30 U	< 30 U	< 5 U	**0.532 M**	**1.34**	**0.63 F**	< 2.0	NA	< 1 U	< 1	< 9.9 U
Silver	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4.3	< 2.5 U	< 4.5 U	NA
Silver	T	ug/L	NA	< 10 U	NA	NA	< 10000 U	< 10000 U	**1 F**	< 10 U	< 10 U	< 1 U	< 1 UM	< 1 U	< 1 U	< 0.10	NA	< 2.5 U	< 4.5 U	< 0.9 U
Sodium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**26700**	NA	NA	NA
Sodium	T	ug/L	**66530**	**74898 M**	**84388 M**	**81351 J**	**95680 M**	**95730 M**	**52000**	**76800**	**63700**	**99000**	**55700 J**	**95200**	**45800**	**110000**	NA	NA	NA	**57300**
Thallium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2	NA	NA	NA
Thallium	T	ug/L	NA	< 80 U	NA	NA	< 80000 U	< 80000 U	< 80 U	< 80 U	< 80 U	**0.1 F**	**0.162 F**	**0.13 F**	**0.198 F**	< 0.20	NA	NA	NA	< 4.3 U
Vanadium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**11**	NA	NA	NA
Vanadium	T	ug/L	NA	NA	NA	NA	**21 J**	**27 J**	NA	NA	NA	NA	NA	NA	NA	**2.1**	NA	NA	NA	NA
Zinc	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**14**	NA	NA	NA
Zinc	T	ug/L	NA	**50.7 J**	NA	NA	**30**	**36**	**32**	**11.2 F**	**16.2 F**	**25**	**42 M**	**23.3 B**	**67**	**4.9**	NA	NA	NA	**12.8**

Appendix B-5
Groundwater Analytical Data, Landfill LF022
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-22-006	MW-22-006	MW-22-006	MW-22-006	MW-22-006	MW-22-006	MW-22-006	MW-22-006	MW-22-006	MW-22-006	MW-22-006	MW-22-006	MW-22-007	MW-22-007	MW-22-007	MW-22-007	MW-22-007	MW-22-007
		Sample Date	6/13/2002	12/10/2002	12/17/2003	3/22/2005	6/21/2005	6/20/2006	7/19/2007	6/23/2009	6/16/2010	6/20/2012	6/24/2014	8/3/2018	1/12/1989	3/20/2001	6/19/2001	9/20/2001	12/11/2001	3/14/2002
		Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**																		
Aluminum	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 25	NA	NA	NA	NA	NA
Aluminum	T	ug/L	**39.5 F**	**3076 M**	**2354 M**	**90 F**	**150 F**	**1700 J**	**241**	**31 F**	**539 J**	**956**	**134**	**87**	NA	< 8.5 U	NA	NA	NA	NA
Antimony	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 43	NA	NA	NA	NA	NA
Antimony	T	ug/L	**6.1 F**	**18.5 F**	< 50 U	< 50000 U	< 50 U	< 50 U	**2.33 F**	< 2 U	< 1 UM	< 1 U	< 1 U	< 1.0	NA	< 4.1 U	NA	NA	NA	NA
Arsenic	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.6	NA	NA	NA	NA	NA
Arsenic	T	ug/L	< 30 U	< 30 U	**11.5 F**	< 30000 U	< 30 U	< 30 U	< 30 U	< 5 U	< 1 UM	< 1 U	< 1 U	< 1.0	NA	< 4.4 U	NA	NA	NA	NA
Barium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**28**	NA	NA	NA	NA	NA
Barium	T	ug/L	**6.49**	**30.7 F**	**20.7 J**	**3.39 F**	**5 F**	**19 F**	**6.9 F**	**6.3**	**12.3**	**11.8**	**5.37 F**	**5.2**	NA	**31.6**	NA	NA	NA	NA
Beryllium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.1	NA	NA	NA	NA	NA
Beryllium	T	ug/L	< 5 U	**0.31 F**	< 4 U	< 4000 U	< 4 U	< 4 U	< 4 U	< 1 U	< 2 UM	< 2 U	< 2 U	< 0.30	NA	**0.15 B**	NA	NA	NA	NA
Boron	T	ug/L	< 110 U	**18.6 F**	< 110 U	**3 F**	**5.9 F**	**5.08 F**	**4.68 F**	**7.1 M**	**86.4 F**	< 100 U	< 100 U	NA	NA	**36.2 B**	NA	NA	NA	NA
Cadmium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4.3	NA	NA	NA	NA	NA
Cadmium	T	ug/L	< 7 U	**0.52 F**	< 5 U	< 5000 U	< 5 U	< 5 U	< 5 U	**0.29 F**	**0.312 F**	**3.4**	< 0.6 U	< 1.0	NA	< 0.4 U	< 7 U	< 7 U	< 7 U	< 7 U
Calcium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**103000**	NA	NA	NA	NA	NA
Calcium	T	ug/L	**40370 M**	**49250 M**	**40546 M**	**42670 M**	**43000**	**62700**	**50500**	**46000**	**39800 M**	**55800 M**	**56400 M**	**50000**	NA	**83400**	**72000**	**83471 M**	**139381 MJ**	**98473 M**
Chromium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5	NA	NA	NA	NA	NA
Chromium	T	ug/L	< 10 U	**5 F**	**3.7 F**	**2 F**	**3 F**	**4.94 F**	**3.67 F**	**0.65 J**	**2.61**	**2.46**	**3.13 J**	**0.76**	NA	**1.2 B**	NA	NA	NA	NA
Chromium VI	T	mg/L	R	R	< 0.01 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.01 U	NA	NA	NA	NA
Cobalt	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2.5	NA	NA	NA	NA	NA
Cobalt	T	ug/L	NA	NA	NA	< 60000 U	NA	NA	NA	NA	NA	NA	NA	**0.082**	NA	NA	NA	NA	NA	NA
Copper	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 3.1	NA	NA	NA	NA	NA
Copper	T	ug/L	< 10 U	**3.7 F**	< 10 U	< 10000 U	**1.7 F**	**2.26 F**	< 10 U	**1.2 J**	**1.97 F**	**1.91 F**	**1.32 F**	**0.68**	NA	< 3 U	NA	NA	NA	NA
Iron	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**3350**	NA	NA	NA	NA	NA
Iron	T	ug/L	**87.3 MF**	**4075 J**	**2936 J**	**121 J**	**190 F**	**2100 J**	**419 J**	**100**	**556 J**	**1220 M**	**251**	**250**	NA	**2160**	**1300**	**3060**	**1503 M**	**1839**
Lead	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.91	NA	NA	NA	NA	NA
Lead	T	ug/L	< 25 U	**4.2 F**	< 25 U	**1.1 J**	< 25 U	**1.05 F**	< 25 U	**0.46 F**	< 1 U	**0.621 F**	< 1 U	< 0.70	NA	< 2.1 U	< 25 U	< 25 U	< 25 U	< 25 U
Magnesium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**20200**	NA	NA	NA	NA	NA
Magnesium	T	ug/L	**14812**	**19209 M**	**15582 J**	**16100**	**17000**	**23500**	**19100**	**18000**	**13900 J**	**19200**	**19000**	**17000**	NA	**18000**	**14600**	**20763**	**28325 M**	**26538**
Manganese	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**797**	NA	NA	NA	NA	NA
Manganese	T	ug/L	**14**	**119 J**	**75.8 J**	**6 J**	**34 M**	**64.8**	**16.9**	**12**	**19.1**	**41.8**	**12.1**	**15**	NA	**249**	**175 J**	**205**	**239**	**339**
Mercury	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.2	NA	NA	NA	NA	NA
Mercury	T	ug/L	< 1 U	NA	< 1 U	< 1000 U	**0.016 F**	< 1 U	< 1 U	< 0.2 U	< 0.2 U	< 0.2 UM	< 0.2 U	< 0.080	NA	< 0.1 U	NA	NA	NA	NA
Nickel	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 24	NA	NA	NA	NA	NA
Nickel	T	ug/L	< 10 U	< 20 U	< 20 U	R	< 20 U	< 20 U	**2.41 F**	**1.7 F**	< 4 U	**5.2**	**2.21 F**	< 1.0	NA	< 2.7 U	NA	NA	NA	NA
Potassium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2360	NA	NA	NA	NA	NA
Potassium	T	ug/L	**947 J**	**1785**	**1530 J**	**780 F**	**860 F**	**1720**	**1100**	**940**	**975 F**	**1250**	**1270**	**1000**	NA	**3000 J**	**2310 J**	**3013 J**	**6537**	**2894 J**
Selenium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**10**	NA	NA	NA	NA	NA
Selenium	T	ug/L	< 30 U	< 30 U	**28.3 F**	< 30000 U	< 30 U	< 30 U	< 30 U	< 5 U	< 1 UM	**0.829 F**	< 1 U	< 2.0	NA	< 9.9 U	NA	NA	NA	NA
Silver	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4.3	NA	NA	NA	NA	NA
Silver	T	ug/L	**2.8 F**	< 10 U	< 10 U	**1 F**	< 10 U	< 10 U	< 10 U	< 1 U	< 1 UM	< 1 U	< 1 U	< 0.10	NA	< 0.9 U	NA	NA	NA	NA
Sodium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**21300**	NA	NA	NA	NA	NA
Sodium	T	ug/L	**55823 M**	**49487 J**	**45162 M**	**48890 M**	**60000**	**72100**	**76000**	**70000**	**49300 J**	**69100**	**75000**	**54000**	NA	**107000**	**96100 M**	**84337 M**	**20443 M**	**61612**
Thallium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2	NA	NA	NA	NA	NA
Thallium	T	ug/L	< 80 U	< 80 U	< 80 U	< 80000 U	< 80 U	< 80 U	< 80 U	< 1 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.20	NA	< 4.3 U	NA	NA	NA	NA
Vanadium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2.3	NA	NA	NA	NA	NA
Vanadium	T	ug/L	NA	NA	NA	**2 J**	NA	NA	NA	NA	NA	NA	NA	**0.54**	NA	NA	NA	NA	NA	NA
Zinc	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 6.6	NA	NA	NA	NA	NA
Zinc	T	ug/L	**6.7 F**	**10.9 F**	**8.1 J**	< 20000 U	**4.4 F**	**10.9 F**	< 20 U	**3.5 F**	**5.32 M**	**12.3 F**	< 20 U	**2.4**	NA	**3.3 B**	NA	NA	NA	NA

Appendix B-5
Groundwater Analytical Data, Landfill LF022
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-22-007	MW-22-007	MW-22-007	MW-22-007	MW-22-007	MW-22-007	MW-22-007	MW-22-007	MW-22-007	MW-22-007	MW-22-007	MW-22-007	MW-22-007	MW-22-007	MW-22-007	MW-22-007	MW-22-007	MW-22-007
		Sample Date	6/11/2002	9/16/2002	12/11/2002	6/17/2003	6/17/2003	12/11/2003	6/21/2004	6/21/2004	12/14/2004	12/14/2004	3/21/2005	6/20/2005	6/20/2005	6/19/2006	6/19/2006	7/18/2007	7/18/2007	6/18/2009
		Sample Type	N	N	N	N	FD	N	N	FD	N	FD	N	N	FD	N	FD	N	FD	N
Chemical	**Fraction**	**Unit**																		
Aluminum	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	**22.8 F**	**49.7 F**	< 200 UM	NA	NA	< 200 U	NA	NA	NA	NA	**240**	**34 F**	**110 F**	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U
Antimony	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	**7.8 F**	**3.9 F**	< 50 U	NA	NA	< 50 U	NA	NA	NA	NA	< 50000 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 2 U
Arsenic	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	ug/L	**5.7 F**	< 30 U	< 30 U	NA	NA	< 30 U	NA	NA	NA	NA	< 30000 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	**0.86 F**
Barium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	ug/L	**37.1 J**	**50.8 J**	**34.3 F**	NA	NA	**36 F**	NA	NA	NA	NA	**43.3 F**	**36 F**	**38 F**	**55**	**53.8**	**49.3 F**	**51.6**	**34**
Beryllium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	< 5 U	< 5 U	< 4 U	NA	NA	**0.2 F**	NA	NA	NA	NA	< 4000 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 1 U
Boron	T	ug/L	**41.4 F**	**21.4 F**	**45.1 F**	NA	NA	**19.3 F**	NA	NA	NA	NA	**30 F**	**24 F**	**40 F**	**39.2 F**	**33 F**	**71.1**	**58.8**	**89 M**
Cadmium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	ug/L	< 7 U	< 7 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5000 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 1 U
Calcium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	**78225 M**	**119980 M**	**97721 M**	**89644 M**	**85857 M**	**115664 M**	**177401 M**	**131919 M**	**160987 M**	**126980 M**	**116100 M**	**93000**	**98000**	**154000**	**147000**	**155000**	**158000**	**120000**
Chromium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	ug/L	< 10 U	**1.8 F**	**0.5 F**	NA	NA	< 10 U	NA	NA	NA	NA	**2 F**	**1.7 F**	**1.8 F**	**2.48 F**	**3.31 F**	**4.41 F**	**4.25 F**	**0.47 F**
Chromium VI	T	mg/L	< 0.01 U	NA	R	NA	NA	**R**	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA
Cobalt	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 60000 U	NA	NA	NA	NA	NA	NA	NA
Copper	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	< 10 U	< 10 U	< 10 U	NA	NA	< 10 U	NA	NA	NA	NA	**2 F**	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	**0.94 F**
Iron	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	**3118 M**	**906**	**3012 J**	**2294 J**	**1860 J**	**2626**	**832 J**	**1762 J**	**2280 J**	**3251 J**	**2080 J**	**1100**	**1000**	**534 J**	**340 J**	**641 J**	**447 J**	**450 J**
Lead	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	ug/L	< 25 U	< 25 U	**3.3 F**	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25000 U	**0.94 F**	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 2 U
Magnesium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	**20607**	**24558**	**29596 M**	**26584**	**25413**	**35704**	**36809 M**	**33467 M**	**34653**	**33688**	**32810**	**27000**	**28000**	**42200**	**41400**	**43600**	**46500**	**27000**
Manganese	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	**403**	**3199**	**394 J**	**313**	**303**	**515 J**	**76.1 J**	**176 J**	**987 J**	**568 J**	**391 J**	**200 M**	**200 M**	**229 J**	**166 J**	**358**	**349**	**100 J**
Mercury	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	< 1 U	NA	< 1 U	NA	NA	< 1 U	NA	NA	NA	NA	< 1000 U	**0.019 F**	**0.021 F**	< 1 U	< 1 U	< 1 U	< 1 U	< 0.2 U
Nickel	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	< 10 U	< 10 U	< 20 U	NA	NA	< 20 U	NA	NA	NA	NA	< 20000 U	< 20 U	< 20 U	< 20 U	< 20 U	**1.91 F**	**1.61 F**	**0.76 F**
Potassium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	**2245 J**	**1580 J**	**2224**	**1537**	**1385**	**1749**	**4034 J**	**2565 J**	**3534 J**	**2296 J**	**1970**	**1700**	**1800**	**2160**	**2020**	**2720**	**2540**	**3900**
Selenium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	< 30 U	< 30 U	< 30 U	NA	NA	< 30 U	NA	NA	NA	NA	< 30000 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	**0.56 F**
Silver	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	< 10 U	< 10 U	< 10 U	NA	NA	< 10 U	NA	NA	NA	NA	< 10000 U	**1 F**	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 1 U
Sodium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	**77185 M**	**11182**	**59510 J**	**54991**	**60319**	**55280 M**	**41024 M**	**71887 M**	**49512 J**	**86211 J**	**102300 M**	**140000**	**140000**	**141000**	**147000**	**82100**	**99600**	**11000**
Thallium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	**6.4 F**	**24.3 F**	< 80 U	NA	NA	< 80 U	NA	NA	NA	NA	< 80000 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 1 U
Vanadium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10000 U	NA	NA	NA	NA	NA	NA	NA
Zinc	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	**4.2 F**	**4.9 F**	**1.9 F**	NA	NA	< 20 U	NA	NA	NA	NA	< 20000 U	**2.7 F**	**2.9 F**	**8.18 F**	**18.6 F**	< 20 U	< 20 U	**8.7 F**

Appendix B-5
Groundwater Analytical Data, Landfill LF022
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-22-007	MW-22-007	MW-22-007	MW-22-007	MW-22-007	MW-22-008	MW-22-008	MW-22-008	MW-22-008	MW-22-008	MW-22-008	MW-22-008	MW-22-008	MW-22-008	MW-22-008	MW-22-008	MW-22-008	MW-22-008
		Sample Date	6/18/2009	6/15/2010	6/19/2012	6/25/2014	8/2/2018	1/12/1989	1/12/1989	3/20/2001	6/11/2002	12/11/2002	12/11/2003	3/21/2005	6/20/2005	6/19/2006	7/18/2007	6/18/2009	6/15/2010	6/19/2012
		Sample Type	FD	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**																		
Aluminum	D	ug/L	NA	NA	NA	NA	NA	< 25	**32**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	< 200 U	**56.7 J**	**114**	**87.8 F**	< 70	NA	NA	**944**	**426 J**	**1038 M**	**1725 M**	**660**	**810**	**2330**	**594**	**1500**	**2160 J**	**2890**
Antimony	D	ug/L	NA	NA	NA	NA	NA	< 43	< 43	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	< 2 U	**0.514 M**	< 1 U	**0.774 F**	< 1.0	NA	NA	< 4.1 U	**7.5 F**	**12.7 F**	**10.6 F**	**3 F**	**2.4 F**	**10.1 F**	**4.63 F**	**1.4 M**	**7.5 M**	**0.549 F**
Arsenic	D	ug/L	NA	NA	NA	NA	NA	**1.7**	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	ug/L	**0.52 F**	**1.02 M**	**1.15**	**4.22**	**0.73**	NA	NA	< 4.4 U	< 30 U	< 30 U	< 30 U	**4 F**	**2.5 F**	< 30 U	< 30 U	**2.4 F**	**82.2 M**	**2.19**
Barium	D	ug/L	NA	NA	NA	NA	NA	**11**	**13**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	ug/L	**36**	**23.8**	**37**	**37.8**	**24**	NA	NA	**15.1 B**	**24 J**	**20 F**	**25.6 F**	**12.2 F**	**16 F**	**32.1 F**	**12.7 F**	**22**	**30.2**	**27.5**
Beryllium	D	ug/L	NA	NA	NA	NA	NA	< 1.1	< 1.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	< 1 U	< 2 UM	< 2 U	< 2 U	**0.20**	NA	NA	**0.16 B**	< 5 U	< 4 U	**0.36 F**	< 4000 U	< 4 U	< 4 U	< 4 U	< 1 U	< 2 UM	< 2 U
Boron	T	ug/L	**81 M**	< 100 U	**61.4 F**	**60.6 F**	NA	NA	NA	< 32.4 U	< 110 U	**12.5 F**	< 110 U	**8 F**	**9.1 F**	**6.29 F**	**8.76 F**	**9.4 M**	**89.2 F**	< 100 U
Cadmium	D	ug/L	NA	NA	NA	NA	NA	< 4.3	< 4.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	ug/L	< 1 U	< 0.6 U	< 0.6 U	< 0.6 U	< 1.0	NA	NA	< 0.4 U	< 7 U	< 5 U	**0.98 F**	< 5000 U	< 5 U	< 5 U	< 5 U	**0.3 F**	**0.591 F**	< 0.6 U
Calcium	D	ug/L	NA	NA	NA	NA	NA	**21300**	**21400**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	**120000**	**92300 M**	**116000 M**	**92000 M**	**73000**	NA	NA	**31700**	**28043 M**	**36545 M**	**32194 M**	**29110 M**	**34000**	**41200**	**30600**	**26000**	**30700 M**	**41500 M**
Chromium	D	ug/L	NA	NA	NA	NA	NA	< 5	< 5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	ug/L	< 2 U	**1.4 F**	**2.36**	**1.06 J**	**1.3**	NA	NA	**2 B**	< 10 U	**1.9 F**	**3.3 F**	**2 F**	**1.4 F**	**3.78 F**	**6.96 F**	**1.8 F**	**4.94**	**3**
Chromium VI	T	mg/L	NA	NA	NA	NA	NA	NA	NA	< 0.01 U	< 0.01 U	**R**	R	**0.009 F**	NA	NA	NA	NA	NA	NA
Cobalt	D	ug/L	NA	NA	NA	NA	NA	< 2.5	< 2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	NA	NA	NA	NA	**0.12**	NA	NA	NA	NA	NA	NA	< 60000 U	NA	NA	NA	NA	NA	NA
Copper	D	ug/L	NA	NA	NA	NA	NA	< 3.1	**6.4**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	**0.65 F**	< 2 U	**1.64 F**	**1.8 F**	< 1.8	NA	NA	< 3 U	**9.3 F**	**1.1 F**	< 10 U	**3 F**	**1.8 F**	**3.42 F**	**2.07 F**	**3.4**	**4.46**	**3.81 B**
Iron	D	ug/L	NA	NA	NA	NA	NA	**147**	**177**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	**160 J**	**1010 J**	**2100 M**	**9040**	**920**	NA	NA	**1760**	**2328 M**	**2051 J**	**3596**	**1434 J**	**1700**	**3810 J**	**1450 J**	**2700 J**	**2960 J**	**4070 M**
Lead	D	ug/L	NA	NA	NA	NA	NA	< 0.91	< 0.91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	ug/L	< 2 U	< 1 U	< 1 U	< 1 U	< 0.70	NA	NA	< 2.1 U	< 25 U	**3.4 F**	< 25 U	< 25000 U	**1.1 F**	**1.76 F**	< 25 U	**1.3 F**	**4.16**	**1.64**
Magnesium	D	ug/L	NA	NA	NA	NA	NA	**5950**	**6080**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	**28000**	**21500 J**	**27700**	**23500**	**17000**	NA	NA	**9480**	**7612**	**10326 M**	**10346**	**8430**	**8900**	**10600**	**8020**	**8900**	**8680 J**	**13000**
Manganese	D	ug/L	NA	NA	NA	NA	NA	**113**	**114**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	**54 J**	**220**	**145**	**799**	**100**	NA	NA	**213**	**313**	**254 J**	**336 J**	**209 J**	**240 M**	**317 J**	**211**	**260 J**	**232**	**318**
Mercury	D	ug/L	NA	NA	NA	NA	NA	< 0.2	< 0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	< 0.2 U	< 0.2 U	< 0.2 UM	< 0.2 U	< 0.080	NA	NA	< 0.1 U	< 1 U	< 1 U	< 1 U	< 1000 U	**0.017 F**	< 1 U	< 1 U	< 0.2 U	< 0.2 U	< 0.2 UM
Nickel	D	ug/L	NA	NA	NA	NA	NA	< 24	< 24	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	**0.77 F**	**3.83 F**	**10.1**	**3.67 F**	**0.31**	NA	NA	< 2.7 U	< 10 U	< 20 U	**3.4 F**	**3 F**	**1.8 F**	**5.16 F**	**5.84 F**	**3.4**	**4.54**	**5.73**
Potassium	D	ug/L	NA	NA	NA	NA	NA	< 2360	< 2360	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	**3800**	**1910**	**2000**	**1790**	**1500**	NA	NA	**2340 J**	**5528 J**	**2471**	**4046**	**4480**	**3100**	**2890**	**2670**	**2300**	**2200**	**2560**
Selenium	D	ug/L	NA	NA	NA	NA	NA	**10**	**10**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	**1.5 F**	< 1 UM	**1.75**	**0.644 F**	< 2.0	NA	NA	< 9.9 U	< 30 U	< 30 U	< 30 U	< 30000 U	< 30 U	< 30 U	< 30 U	< 5 U	**0.568 M**	**0.915 F**
Silver	D	ug/L	NA	NA	NA	NA	NA	< 4.3	< 4.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	< 1 U	< 1 UM	< 1 U	< 1 U	< 0.10	NA	NA	< 0.9 U	< 10 U	< 10 U	< 10 U	**2 F**	< 10 U	< 10 U	< 10 U	< 1 U	< 1 UM	< 1 U
Sodium	D	ug/L	NA	NA	NA	NA	NA	**1890**	**2210**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	**9400**	**38700 J**	**168000**	**92100**	**140000**	NA	NA	**6450**	**6298 M**	**7862 J**	**7629 M**	**6370 M**	**6000**	**8080**	**5680**	**6300**	**6890 J**	**12700**
Thallium	D	ug/L	NA	NA	NA	NA	NA	< 2	< 2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	< 1 U	< 0.2 U	< 0.2 U	< 0.2 U	**0.057**	NA	NA	< 4.3 U	< 80 U	< 80 U	< 80 U	< 80000 U	< 80 U	< 80 U	< 80 U	< 1 U	< 0.2 U	< 0.2 U
Vanadium	D	ug/L	NA	NA	NA	NA	NA	< 2.3	< 2.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	NA	NA	NA	NA	< 2.0	NA	NA	NA	NA	NA	NA	**3 F**	NA	NA	NA	NA	NA	NA
Zinc	D	ug/L	NA	NA	NA	NA	NA	**3**	**37**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	< 10 U	< 20 UM	< 20 U	**15.8 F**	**2.2**	NA	NA	**6.2 B**	**20.5**	**7.5 F**	**11.8 F**	**10 F**	**7.5 F**	**31**	**8.26 F**	**11**	**7.87 M**	**14.9 F**

Appendix B-5
Groundwater Analytical Data, Landfill LF022
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-22-008	MW-22-008	MW-22-009	MW-22-009	MW-22-009	MW-22-009	MW-22-009	MW-22-009	MW-22-009	MW-22-009	MW-22-009	MW-22-009	MW-22-009	MW-22-009	MW-22-009	MW-22-009	MW-22-009	MW-22-009
		Sample Date	6/25/2014	8/2/2018	1/12/1989	3/22/2001	6/13/2002	12/10/2002	12/17/2003	12/17/2003	3/22/2005	6/21/2005	6/21/2006	7/24/2007	6/22/2009	6/16/2010	6/20/2012	6/25/2014	8/3/2018	8/3/2018
		Sample Type	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	FD
Chemical	**Fraction**	**Unit**																		
Aluminum	D	ug/L	NA	NA	< 25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	**4030**	**1400**	NA	**4730**	**470**	**193 M**	**15378 M**	**7186 M**	**2080**	**930**	**362 J**	**1160**	**990**	**2770 J**	**413**	**432**	**300**	**830**
Antimony	D	ug/L	NA	NA	< 43	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	**5.12**	< 1.0	NA	< 4.1 U	**4.5 F**	**16.7 F**	< 50 U	< 50 U	< 50000 U	< 50 U	< 50 U	< 50 U	< 2 U	**3.16 M**	< 1 U	< 1 U	< 1.0	< 1.0
Arsenic	D	ug/L	NA	NA	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	ug/L	**2.26**	**2.6**	NA	< 4.4 U	< 30 U	< 30 U	**22.2 F**	**12.5 F**	< 30000 U	< 30 U	< 30 U	< 30 U	< 5 U	**61.4 M**	< 1 U	< 1 U	< 1.0	**0.66**
Barium	D	ug/L	NA	NA	**11**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	ug/L	**43.4**	**17**	NA	**40.8**	**12**	**11.8 F**	**119 J**	**61.4 J**	**21.6 F**	**14 F**	**9.29 F**	**15.4 F**	**17**	**34.6**	**10.2**	**12.3**	**17**	**34**
Beryllium	D	ug/L	NA	NA	< 1.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	< 2 U	< 0.30	NA	< 1 U	< 5 U	< 4 U	**0.72 F**	**0.29 F**	< 4000 U	< 4 U	< 4 U	< 4 U	< 1 U	< 2 UM	< 2 U	< 2 U	< 0.30	**0.095**
Boron	T	ug/L	< 100 U	NA	NA	< 32.4 U	< 110 U	**12 F**	< 110 U	< 110 U	**4 F**	**4.9 F**	**1.92 F**	**6.06 F**	**5.6 M**	**120**	< 100 U	< 100 U	NA	NA
Cadmium	D	ug/L	NA	NA	< 4.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	ug/L	**0.317 F**	< 1.0	NA	< 0.4 U	< 7 U	**3.22 F**	< 5 U	< 5 U	< 5000 U	< 5 U	< 5 U	< 5 U	**0.54 F**	< 0.6 U	< 0.6 U	**0.395 F**	**0.85**	**0.59**
Calcium	D	ug/L	NA	NA	**35200**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	**48700 M**	**35000**	NA	**61100**	**52816 M**	**52400 M**	**86563 M**	**61629 M**	**49750 M**	**50000**	**48700**	**50300**	**43000**	**47300 M**	**52100 M**	**51300 M**	**49000**	**50000**
Chromium	D	ug/L	NA	NA	< 5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	ug/L	**5.05 J**	**1.9**	NA	**4.9 B**	< 10 U	**1.9 F**	**18.3**	**8.5 F**	**5 F**	**3.2 F**	**1.91 F**	**4.17 F**	**0.9 J**	**4.48**	**1.09 F**	**1.48 J**	**1.1**	**2.0**
Chromium VI	T	mg/L	NA	NA	NA	< 0.01 UJ	R	R	R	R	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	D	ug/L	NA	NA	< 2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	NA	**0.76**	NA	NA	NA	NA	NA	NA	< 60000 U	NA	NA	NA	NA	NA	NA	NA	**0.35**	**1.2**
Copper	D	ug/L	NA	NA	**6.5**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	**5.82**	**1.8**	NA	**10.2 B**	< 10 U	**2.1 F**	**15.3**	**8 F**	**2 F**	< 10 U	**1.77 F**	< 10 U	**1.6 J**	**4.46**	**1.03 F**	**1.25 F**	**0.63**	**1.7**
Iron	D	ug/L	NA	NA	**65**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	**6290**	**3300**	NA	**6760**	**623 M**	**342 J**	**21976 J**	**9242 J**	**2692 J**	**1200**	**606 J**	**1400 J**	**1500**	**3140 J**	**601 M**	**779**	**470**	**1300**
Lead	D	ug/L	NA	NA	< 0.91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	ug/L	**2.68**	**0.94**	NA	< 2.1 U	< 25 U	**3.1 F**	**10 F**	< 25 U	**1.4 J**	< 250 U	< 25 U	< 25 U	**0.67 F**	**2.52**	< 1 U	< 1 U	**0.26**	**0.68**
Magnesium	D	ug/L	NA	NA	**10900**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	**15000**	**11000**	NA	**22400**	**18756**	**18286 M**	**33000 J**	**22668 J**	**17780**	**18000**	**16700**	**17400**	**16000**	**14800 J**	**16900**	**17300**	**17000**	**17000**
Manganese	D	ug/L	NA	NA	**174**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	**386**	**260**	NA	**290**	**102**	**60 J**	**745 J**	**319 J**	**164 J**	**350 M**	**220**	**161**	**300**	**184**	**147**	**204**	**850**	**3400**
Mercury	D	ug/L	NA	NA	< 0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	< 0.2 U	< 0.080	NA	< 0.1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1000 U	**0.02 F**	< 1 U	< 1 U	< 0.2 U	< 0.2 U	< 0.2 UM	< 0.2 U	< 0.080	< 0.080
Nickel	D	ug/L	NA	NA	< 24	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	**6.03**	**2.5**	NA	**2.8 B**	< 10 U	< 20 U	**8.8 F**	**2.7 F**	**3 J**	**1.4 F**	**1.18 F**	**1.55 F**	**1.7 F**	**3.93 F**	**4.6**	**2.4 F**	**0.71**	**2.1**
Potassium	D	ug/L	NA	NA	< 2360	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	**3290**	**3700**	NA	**2640 J**	**1109 J**	**842 F**	**5604 J**	**3291 J**	**1640**	**1300**	**1000**	**1410**	**1300**	**1900**	**1120**	**1160**	**1200**	**1400**
Selenium	D	ug/L	NA	NA	**21**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	**0.861 F**	< 2.0	NA	< 9.9 U	< 30 U	< 30 U	**48.9**	**21.7 F**	< 30000 U	< 30 U	< 30 U	< 30 U	< 5 U	< 1 UM	**0.79 F**	< 1 U	< 2.0	< 2.0
Silver	D	ug/L	NA	NA	< 4.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	< 1 U	< 0.10	NA	< 0.9 U	**3.6 F**	< 10 U	< 10 U	< 10 U	< 10000 U	< 10 U	< 10 U	< 10 U	< 1 U	< 1 UM	< 1 U	< 1 U	< 0.10	< 0.10
Sodium	D	ug/L	NA	NA	**3230**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	**16300**	**5600**	NA	**17700**	**28798 M**	**24586 J**	**25763 M**	**26969 M**	**38450 M**	**40000**	**32700**	**31100**	**34000**	**29700 J**	**44500**	**43900**	**59000**	**58000**
Thallium	D	ug/L	NA	NA	< 2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	**0.101 F**	< 0.20	NA	< 4.3 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80000 U	< 80 U	< 80 U	< 80 U	< 1 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.20	< 0.20
Vanadium	D	ug/L	NA	NA	< 2.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	NA	**2.1**	NA	NA	NA	NA	NA	NA	**4 J**	NA	NA	NA	NA	NA	NA	NA	< 2.0	**1.9**
Zinc	D	ug/L	NA	NA	< 2.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	**43.4**	**11**	NA	**20.6**	**11.3**	**5.9 F**	**45.5 J**	**30.6 J**	**11 F**	**5.7 F**	**10.8 F**	< 20 U	**4.7 F**	**9.62 M**	< 20 U	**8.2 F**	**3.6**	**5.3**

Appendix B-5
Groundwater Analytical Data, Landfill LF022
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-22-010	MW-22-010	MW-22-010	MW-22-010	MW-22-010	MW-22-010	MW-22-010	MW-22-010	MW-22-010	MW-22-010	MW-22-010	MW-22-010	MW-22-010	MW-22-010	MW-22-010	MW-22-010	MW-22-010
		Sample Date	1/12/1989	3/23/2001	3/23/2001	6/11/2002	6/11/2002	12/12/2002	12/12/2002	12/10/2003	3/21/2005	6/20/2005	6/19/2006	7/18/2007	6/17/2009	6/15/2010	6/19/2012	6/25/2014	8/2/2018
		Sample Type	N	N	FD	N	FD	N	FD	N	N	N	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**																	
Aluminum	D	ug/L	< 25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	NA	**4540**	**4630**	**676 J**	**1259 J**	**2393 M**	**4058 M**	**710 M**	**450**	**330**	**76 F**	**244**	**1500**	**3320 J**	**3660**	**2180**	**1100**
Antimony	D	ug/L	< 43	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	NA	< 4.1 U	< 4.1 U	**9.5 F**	**9.5 F**	**17.3 F**	**12 F**	< 50 U	**8 F**	**13 F**	**7.44 F**	**7.38 F**	**1.4 M**	**6.46 M**	**5.32 B**	**3.39**	**0.99**
Arsenic	D	ug/L	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	ug/L	NA	< 4.4 U	< 4.4 U	< 30 U	< 30 U	< 30 U	< 30 U	**13.9 F**	< 30000 U	< 30 U	< 30 U	< 30 U	**0.5 F**	**105 M**	**0.941 F**	< 1 U	< 1.0
Barium	D	ug/L	**14**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	ug/L	NA	**45.8**	**45.4**	**18 J**	**23.1 J**	**32 F**	**45.7 F**	**16.8 F**	**16.6 F**	**13 F**	**13.3 F**	**7.96 F**	**25**	**45.3**	**43.9**	**47.5**	**38**
Beryllium	D	ug/L	< 1.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	NA	< 0.1 U	< 0.1 U	< 5 U	< 5 U	**0.24 F**	**0.29 F**	< 4 U	< 4000 U	< 4 U	< 4 U	< 4 U	< 1 U	< 2 UM	< 2 U	< 2 U	< 0.30
Boron	T	ug/L	NA	< 32.4 U	< 32.4 U	< 110 U	< 110 U	**15.1 F**	**15.3 F**	< 110 U	< 50000 U	**5.1 F**	**4.23 F**	**5.29 F**	**6.3 M**	**158**	< 100 U	< 100 U	NA
Cadmium	D	ug/L	< 4.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	ug/L	NA	< 0.4 U	< 0.4 U	< 7 U	< 7 U	**0.31 F**	**0.26 F**	< 5 U	< 5000 U	**0.18 F**	< 5 U	< 5 U	**0.11 F**	< 0.6 U	**0.93**	< 0.6 U	**0.55**
Calcium	D	ug/L	**37400**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	NA	**72300**	**74200**	**47983 M**	**52648 M**	**67028 M**	**70621 M**	**57040 M**	**58270 M**	**53000**	**60800**	**47600**	**48000**	**53800 M**	**80500 M**	**106000 M**	**110000**
Chromium	D	ug/L	< 5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	ug/L	NA	**6.4 B**	**6.2 B**	< 10 U	**3.8 F**	**3.5 F**	**5.4 F**	**2.1 F**	**19**	**2.7 F**	**1.69 F**	**10.5**	**1.8 F**	**7.61**	**6.78**	**5.09 J**	**2.4**
Chromium VI	T	mg/L	NA	< 0.01 UJ	< 0.01 UJ	R	R	< 0.01 UM	**0.037 M**	< 0.01 U	**0.003 F**	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	D	ug/L	< 2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 60000 U	NA	NA	NA	NA	NA	NA	NA	**0.57**
Copper	D	ug/L	**9.7**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	NA	**5.6 B**	**4.8 B**	< 10 U	< 10 U	**3.9 F**	**4.1 F**	< 10 U	**3 F**	**3.9 F**	< 10 U	< 10 U	**2.1**	**5.08**	**6.92**	**4.87**	**2.0**
Iron	D	ug/L	**96**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	NA	**6730**	**6970**	**1031 M**	**1607 M**	**3515 J**	**5838 J**	**1143**	**1121 J**	**880**	**347 J**	**629 J**	**2400 J**	**3610 J**	**5140 M**	**3660**	**2400**
Lead	D	ug/L	< 0.91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	ug/L	NA	< 2.1 U	< 2.1 U	< 25 U	< 25 U	**3.6 F**	**4.2 F**	< 25 U	**1.7 F**	**1.7 F**	< 25 U	< 25 U	**0.99 F**	**4.27**	**3.69**	**1.88**	**0.83**
Magnesium	D	ug/L	**11800**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	NA	**27500**	**28000**	**15993**	**17811**	**23276 M**	**25348 M**	**18858**	**19290**	**17000**	**20600**	**15800**	**18000**	**16800 J**	**26800**	**38100**	**35000**
Manganese	D	ug/L	**156**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	NA	**276**	**273**	**195**	**191**	**223 J**	**287 J**	**462 J**	**617 J**	**590 M**	**217 J**	**223**	**200 J**	**191**	**377**	**268**	**530**
Mercury	D	ug/L	< 0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	NA	< 0.1 U	< 0.1 U	< 1 U	< 1 U	**0.03 F**	**0.04 F**	< 1 U	< 1000 U	**0.023 F**	< 1 U	< 1 U	< 0.2 U	< 0.2 U	< 0.2 UM	< 0.2 U	< 0.080
Nickel	D	ug/L	< 24	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	NA	< 2.7 U	< 2.7 U	< 10 U	< 10 U	< 20 U	< 20 U	< 20 U	**2 F**	**2 F**	< 20 U	**5.62 F**	**8.6**	**5.75**	**12.2**	**6.46**	**1.9**
Potassium	D	ug/L	< 2360	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	NA	**2840 J**	**2780 J**	**1727 J**	**1741 J**	**1794**	**2264**	**1260**	**2850**	**1500**	**1240**	**1190**	**1600**	**2260**	**2510**	**2830**	**2200**
Selenium	D	ug/L	**2.1**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	NA	< 9.9 U	< 9.9 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30000 U	< 30 U	< 30 U	< 30 U	**0.86 F**	< 1 UM	**1.16**	**1**	< 2.0
Silver	D	ug/L	< 4.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	NA	< 0.9 U	< 0.9 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10000 U	< 10 U	< 10 U	< 10 U	< 1 U	< 1 UM	< 1 U	< 1 U	< 0.10
Sodium	D	ug/L	**7110**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	NA	**41000**	**41100**	**15730 M**	**24180 M**	**27042 J**	**34779 J**	**21302 M**	**20440 M**	**14000**	**38700**	**12400**	**36000**	**35900 J**	**65000**	**115000**	**96000**
Thallium	D	ug/L	< 2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	NA	< 4.3 U	< 4.3 U	**4.6 F**	**4.3 F**	**4.4 F**	< 80 U	< 80 U	< 80000 U	< 80 U	< 80 U	< 80 U	< 1 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.20
Vanadium	D	ug/L	< 2.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 10000 U	NA	NA	NA	NA	NA	NA	NA	**1.4**
Zinc	D	ug/L	**3.2**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	NA	**21.2**	**19.6**	**9.3 F**	**9.2 F**	**11.5 F**	**18.2 F**	**6.8 F**	**15 F**	**15 F**	**31.7**	< 20 U	**6.6 F**	**7.64 M**	**27.3 B**	**38.2**	**7.4**

Notes:

Detections are **boldfaced**

µg/L: micrograms per liter
D: Dissolved
mg/L: miligrams per liter
N: normal (parent) sample
NA: not analyzed
T: Total

Data Qualifiers:
J: The compound was positively identified; however, the associated numerical value is an estimated concentration only.
M: The analyte in question was quantitated using peak heights rather than peak areas for both the analyte and its internal standard.
U: The compound was analyzed for but not detected. The associated value is the compound quantitation limit.
UJ: The compound was not detected above the reported sample quantitation limit. However, the reported limit is approximate and may or may not represent the actual limit of quantitation.

APPENDIX B-6

Landfill LF023

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001
		Sample Date	12/7/1987	12/7/1987	1/13/1989	9/18/1991	10/4/1995	4/26/2001	6/21/2001	10/1/2001	12/14/2001	3/18/2002	6/20/2002	9/24/2002	12/17/2002	3/19/2003	6/23/2003	9/24/2003	1/14/2004	3/24/2004	6/29/2004	9/23/2004
		Sample Type	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**																				
Metals																						
Aluminum	D	ug/L	**26**	NA	< 25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	NA	NA	NA	NA	NA	**15.8 B**	NA	NA	NA	NA	**29.6 F**	< 200 U	< 200 U	NA	NA	**38.4 M**	NA	NA	NA	NA
Antimony	D	ug/L	< 60	NA	< 43	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	NA	NA	NA	NA	NA	< 4.1 U	NA	NA	NA	NA	**10.4 F**	< 50 U	< 50 U	NA	NA	< 50 U	NA	NA	NA	NA
Arsenic	D	ug/L	**6.1**	NA	**7**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	ug/L	NA	NA	NA	NA	NA	**9.1 BJ**	NA	NA	NA	NA	**11.5 F**	**6 F**	< 30 U	NA	NA	**14.4 F**	NA	NA	NA	NA
Barium	D	ug/L	**6.1**	NA	**54**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	ug/L	NA	NA	NA	NA	NA	**57.5**	NA	NA	NA	NA	**30.2**	**30.4 J**	**36.4 F**	NA	NA	**37.6 F**	NA	NA	NA	NA
Beryllium	D	ug/L	< 5	NA	< 1.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	NA	NA	NA	NA	NA	< 0.1 U	NA	NA	NA	NA	< 5 U	< 5 U	< 4 U	NA	NA	< 4 U	NA	NA	NA	NA
Boron	T	ug/L	NA	NA	NA	NA	NA	< 32.4 U	NA	NA	NA	NA	**20.1 F**	**7.6 F**	**6.7 F**	NA	NA	**51 F**	NA	NA	NA	NA
Cadmium	D	ug/L	< 5	NA	< 4.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	ug/L	NA	NA	NA	NA	NA	< 0.4 U	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Calcium	D	ug/L	**54200**	NA	**61200**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	NA	NA	NA	NA	NA	**150000**	**98399 M**	**133476 M**	**113266 J**	**107021 MJ**	**88711 M**	**73192 M**	**82354**	**107531 M**	**113467 M**	**88836**	**115408**	**126759**	**154476 M**	**126065 M**
Chromium	D	ug/L	< 10	NA	< 5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	ug/L	NA	NA	NA	NA	NA	**1.3 B**	NA	NA	NA	NA	< 10 U	RU	**0.7 F**	NA	NA	< 10 U	NA	NA	NA	NA
Chromium VI	D	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium VI	T	mg/L	NA	NA	NA	NA	NA	< 0.01 U	NA	NA	NA	NA	R	NA	NA	NA	NA	**0.007 M**	NA	NA	NA	NA
Cobalt	D	ug/L	**7.6**	NA	< 2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	NA	NA	NA	NA	NA	**11.6 B**	NA	NA	NA	NA	**5.98 F**	**4.26 F**	**6.3 F**	NA	NA	**8.5 F**	NA	NA	NA	NA
Copper	D	ug/L	**15**	NA	< 3.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	NA	NA	NA	NA	NA	**3.2 B**	NA	NA	NA	NA	< 10 U	< 10 U	< 10 U	NA	NA	< 10 U	NA	NA	NA	NA
Iron	D	ug/L	**15200**	NA	**14700**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	NA	NA	NA	NA	NA	**15300**	**10621**	**17742**	**11483 J**	**10232**	**12094 M**	**9784 J**	**23369**	**17424 J**	**32431**	**28607**	**33933**	**19928**	**31255**	**59451**
Lead	D	ug/L	< 5	NA	< 0.91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	ug/L	NA	NA	NA	NA	NA	< 2.1 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U
Magnesium	D	ug/L	**18100**	NA	**16700**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	NA	NA	NA	NA	NA	**22200**	**14094**	**21084**	**17365**	**17406**	**13562 M**	**12084**	**12487**	**15364 M**	**14711 M**	**13042**	**18362**	**20606 M**	**23279**	**18350**
Manganese	D	ug/L	**954**	NA	**895**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	NA	NA	NA	NA	NA	**9150**	**4834**	**4635**	**7372 B**	**5361**	**2500**	**4051**	**3200**	**2521**	**2444**	**4428**	**6024**	**3807**	**4277**	**7475**
Mercury	D	ug/L	NA	NA	< 0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	NA	NA	NA	NA	NA	< 0.1 U	NA	NA	NA	NA	< 1 UM	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA
Nickel	D	ug/L	< 40	NA	< 24	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	NA	NA	NA	NA	NA	**10.4 B**	NA	NA	NA	NA	< 10 U	RU	< 20 U	NA	NA	< 20 U	NA	NA	NA	NA
Potassium	D	ug/L	**15000**	NA	**7920**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	NA	NA	NA	NA	NA	**4950 J**	**3497 J**	**4287 J**	**3672**	**3238**	**2803**	**2172**	**3423**	**2674**	**3758**	**3568**	**4296**	**3768**	**3376**	**3922**
Selenium	D	ug/L	NA	NA	**21**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	< 5	NA	NA	NA	NA	< 9.9 U	NA	NA	NA	NA	< 30 U	< 30 U	< 30 U	NA	NA	**22.2 F**	NA	NA	NA	NA
Silver	D	ug/L	NA	NA	< 4.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	NA	NA	NA	NA	NA	< 0.9 U	NA	NA	NA	NA	< 10 U	< 10 U	< 10 U	NA	NA	< 10 U	NA	NA	NA	NA
Sodium	D	ug/L	**36800**	NA	**35100**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	NA	NA	NA	NA	NA	**10800**	**8488**	**10465**	**6913**	**9596 M**	**14604 M**	**5859 M**	**8889**	**11086 M**	**6425 M**	**15623**	**14169**	**14750 M**	**5999 J**	**5456 M**
Thallium	D	ug/L	**1.3**	NA	< 2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	NA	NA	NA	NA	NA	< 4.3 U	NA	NA	NA	NA	**14.5 F**	**30.7 F**	**34.3 F**	NA	NA	< 80 U	NA	NA	NA	NA
Vanadium	D	ug/L	**6**	NA	< 2.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	NA	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 10 U	< 10 U	< 10 U	NA	NA	< 10 U	NA	NA	NA	NA
Zinc	D	ug/L	**12**	NA	**19**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	NA	NA	NA	NA	NA	**3.4 B**	NA	NA	NA	NA	**9.4 F**	**5.1 F**	**2.2 F**	NA	NA	**7.1 F**	NA	NA	NA	NA
Total Recoverable Phenolics	N	mg/L	NA	NA	NA	NA	NA	< 0.005 UJ	NA	NA	NA	NA	< 0.005 UM	NA	NA	NA	NA	**0.0112 J**	NA	NA	NA	NA
VOCs																						
1,1,1-Trichloroethane	N	ug/L	NA	NA	< 5 [< 0.3]	< 1	< 0.5 U	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	N	ug/L	NA	NA	< 5 [< 0.3]	< 1	< 0.5 U	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
1,1,2-trichloro-1,2,2-trifluoroethane	N	ug/L	NA	NA	< 1	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
1,1,2-Trichloroethane	N	ug/L	NA	NA	< 5 [< 0.2]	< 1	< 0.5 U	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
1,1-Dichloroethane	N	ug/L	NA	NA	< 5 [< 0.4]	< 1	< 0.5 U	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
1,1-Dichloroethene	N	ug/L	NA	NA	< 5 [< 0.3]	< 1	< 0.5 U	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
1,2,3-Trichloropropane	N	ug/L	NA	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
1,2,3-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
1,2,4-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	N	ug/L	NA	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA
1,2-Dibromoethane	N	ug/L	NA	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
1,2-Dichlorobenzene	N	ug/L	NA	NA	< 1	NA	NA	< 1 U	NA	NA	NA	NA	**0.13 F**	NA	NA	NA	NA	**0.12 F**	NA	NA	NA	NA
1,2-Dichloroethane	N	ug/L	NA	NA	< 5 [< 0.3]	< 1	< 0.5 U	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
1,2-Dichloroethene, Total	N	ug/L	< 5	< 5	< 5 [< 0.5]	< 1	**0.3 J**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	N	ug/L	< 5	< 5	< 5 [< 0.2]	< 1	< 0.5 U	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
1,3,5-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	N	ug/L	NA	NA	< 1	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
1,3-Dichloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	N	ug/L	NA	NA	< 1	NA	NA	**0.45 J**	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	**0.53**	NA	NA	NA	NA
1,4-Dioxane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	N	ug/L	< 10	< 10	**33**	< 2	< 5 U	NA	NA	NA	NA	NA	< 5 UM	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA

		Location	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001
		Sample Date	12/7/1987	12/7/1987	1/13/1989	9/18/1991	10/4/1995	4/26/2001	6/21/2001	10/1/2001	12/14/2001	3/18/2002	6/20/2002	9/24/2002	12/17/2002	3/19/2003	6/23/2003	9/24/2003	1/14/2004	3/24/2004	6/29/2004	9/23/2004
		Sample Type	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**																				
2-Chloroethyl vinyl ether	N	ug/L	NA	NA	< 0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	N	ug/L	< 10	< 10	< 10	< 2	< 5 U	< 2 U	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA
Acetone	N	ug/L	< 10	< 10	< 10	< 2	< 5 U	NA	NA	NA	NA	NA	< 10 UM	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA
Acrylonitrile	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA
Benzene	N	ug/L	**1.4**	**1.3**	< 5	< 1	**0.5**	**1.3**	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	**0.59**	NA	NA	NA	NA
Bromochloromethane	N	ug/L	NA	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Bromodichloromethane	N	ug/L	< 5	< 5	< 5 [< 0.4]	< 1	< 0.5 U	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Bromoform	N	ug/L	NA	NA	< 5 [< 0.5]	< 1	< 0.5 U	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Bromomethane	N	ug/L	NA	NA	< 10 [< 0.5]	< 2	< 0.5 U	< 2 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Carbon Disulfide	N	ug/L	NA	NA	< 5	< 1	< 0.5 U	< 1 U	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Carbon Tetrachloride	N	ug/L	NA	NA	< 5 [< 0.3]	< 1	< 0.5 U	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
CFC-11	N	ug/L	NA	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
CFC-12	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	**0.16 F**	NA	NA	NA	NA
Chlorobenzene	N	ug/L	< 5	< 5	< 5 [< 0.4]	< 1	**1.5**	**0.45 J**	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	**0.41 F**	NA	NA	NA	NA
Chlorodibromomethane	N	ug/L	NA	NA	< 5 [< 0.4]	< 1	< 0.5 U	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Chloroethane	N	ug/L	NA	NA	< 10 [< 0.5]	< 2	< 0.5 U	**1.6 J**	NA	NA	NA	NA	**0.61**	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Chloroform	N	ug/L	< 5	< 5	< 5 [< 0.2]	< 1	< 0.5 U	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Chloromethane	N	ug/L	NA	NA	< 10 [< 0.5]	< 2	< 0.5 U	< 2 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
cis-1,2-Dichloroethene	N	ug/L	NA	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	**0.11 F**	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
cis-1,3-Dichloropropene	N	ug/L	NA	NA	< 5 [< 0.3]	< 1	< 0.5 U	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Cyclohexane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Dibromomethane	N	ug/L	NA	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Dichloromethane	N	ug/L	< 5	< 5	< 5 [< 1]	< 1	< 0.5 U	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Ethylbenzene	N	ug/L	**2.8**	**3**	< 5	< 1	< 0.5 U	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Isopropylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
m&p-Xylenes	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA
Methyl N-Butyl Ketone (2-Hexanone)	N	ug/L	< 10	< 10	< 10	< 2	< 5 U	< 2 U	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA
Methylcyclohexane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Methyl-tert-butylether	N	ug/L	NA	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
n-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenolics	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	N	ug/L	NA	NA	< 5	< 1	< 0.5 U	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
tert-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	N	ug/L	< 5	< 5	< 5 [< 0.2]	< 1	< 0.5 U	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Toluene	N	ug/L	< 5	< 5	< 5	< 1	< 0.5 U	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Total Xylenes	N	ug/L	**3.2**	**3.3**	< 5	< 1	< 0.5 U	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 1.5 U	NA	NA	NA	NA
trans-1,2-Dichloroethene	N	ug/L	NA	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
trans-1,3-Dichloropropene	N	ug/L	NA	NA	< 5 [< 0.3]	< 1	< 0.5 U	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
trans-1,4-Dichloro-2-butene	N	ug/L	NA	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Trichloroethene	N	ug/L	< 5	< 5	**1 [< 0.5]**	< 1	**0.6**	**0.25 J**	NA	NA	NA	NA	**0.23 F**	NA	NA	NA	NA	**0.14 F**	NA	NA	NA	NA
Vinyl acetate	N	ug/L	NA	NA	< 10	< 2	NA	< 4 U	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA
Vinyl chloride	N	ug/L	**6.3**	**6.8**	**2 [0.8]**	< 2	< 0.5 U	**3.3**	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	**0.96**	NA	NA	NA	NA
Leachate Indicators																						
Ammonia Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromide	N	mg/L	< 1	< 1	NA	NA	NA	< 0 U	NA	NA	NA	NA	< 0 U	NA	NA	NA	NA	< 0 U	NA	NA	NA	NA
Chloride	N	mg/L	**80**	**85**	NA	NA	NA	**11.6**	NA	NA	NA	NA	**21.6 J**	NA	NA	NA	NA	**29.6 J**	NA	NA	NA	NA
Fluoride (F-, Anion)	N	mg/L	< 0.1	< 0.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	N	mg/L	**12**	**12**	NA	NA	NA	**11.6**	NA	NA	NA	NA	**13.5**	NA	NA	NA	NA	**14.5**	NA	NA	NA	NA
Total Kjeldahl Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorus as PO4	N	mg/L	**0.4**	**0.4**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity	N	mg/L	NA	NA	NA	NA	NA	**430**	NA	NA	NA	NA	**291 S**	NA	NA	NA	NA	**276 B**	NA	NA	NA	NA
Alkalinity (as CaCO3)	N	mg/L	NA	NA	NA	NA	NA	**447**	NA	NA	NA	NA	**287 B**	NA	NA	NA	NA	**411 B**	NA	NA	NA	NA
Alkalinity, Bicarbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Carbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Hydroxide	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Biological Oxygen Demand	N	mg/L	NA	NA	NA	NA	NA	**5.5**	NA	NA	NA	NA	R	NA	NA	NA	NA	**3.28 B**	NA	NA	NA	NA
Carbon	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CBOD	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chemical Oxygen Demand	N	mg/L	NA	NA	NA	NA	NA	**6**	NA	NA	NA	NA	< 0 U	NA	NA	NA	NA	< 0 U	NA	NA	NA	NA
Color	N	COLOR UNIT	NA	NA	NA	NA	NA	25	NA	NA	NA	NA	45 B	NA	NA	NA	NA	90	NA	NA	NA	NA
Color	N	PCU	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	N	ug/L	NA	NA	NA	NA	NA	< 0 U	NA	NA	NA	NA	< 0 U	NA	NA	NA	NA	< 0 U	NA	NA	NA	NA
Hardness (as CaCO3)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	N	PH UNITS	NA	NA	6 [6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids	N	mg/L	**290**	NA	NA	NA	NA	**510**	NA	NA	NA	NA	**390 SB**	NA	NA	NA	NA	**375 S**	NA	NA	NA	NA
Total Dissolved Solids	N	ug/L	NA	**300**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	NA	NA	NA	NA	NA	**4 J**	NA	NA	NA	NA	**3.33 S**	NA	NA	NA	NA	**3.53 J**	NA	NA	NA	NA
Total Organic Carbon 2	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001
		Sample Date	12/20/2004	3/29/2005	6/28/2005	12/15/2005	6/28/2006	1/4/2007	7/12/2007	12/5/2007	6/25/2009	12/10/2009	6/21/2010	6/21/2010	12/8/2010	6/21/2011	12/13/2011	6/20/2012	6/25/2013	6/25/2013	6/19/2014	7/8/2015
		Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N
Chemical	**Fraction**	**Unit**																				
Metals																						
Aluminum	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	NA	**10 F**	NA	**216**	NA	**299 M**	NA	**48.4 F**	NA	**1300 J**	NA	NA	**536**	< 100 U	< 100 U	NA	< 200 U	< 200 U	NA	NA
Antimony	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	NA	< 50 U	NA	< 50 U	NA	< 50 U	NA	< 50 U	NA	< 2 U	NA	NA	**1.88**	**0.558 F**	**0.808 F**	NA	< 1 U	< 1 U	NA	NA
Arsenic	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	ug/L	NA	**13 F**	NA	**7.4 F**	NA	**5.96 F**	NA	< 30 U	NA	**14**	NA	NA	**27.5 M**	**13.1 J**	**8.69**	NA	**10.9 J**	**14.2 J**	NA	NA
Barium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	ug/L	NA	**54.5**	NA	**41.8 F**	NA	**39.6 F**	NA	**35.4 F**	NA	**43**	NA	NA	**46.7**	**41.5 B**	**41.1**	NA	**27.4**	**28.4**	NA	NA
Beryllium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	NA	< 4 U	NA	< 4 U	NA	< 4 U	NA	< 4 U	NA	< 1 U	NA	NA	< 2 U	< 2 U	< 2 U	NA	< 2 U	< 2 U	NA	NA
Boron	T	ug/L	NA	**36 F**	NA	NA	NA	**24.6 F**	NA	**33.8 F**	NA	**24**	NA	NA	**117**	**78.1 F**	**161**	NA	< 100 U	< 100 U	NA	NA
Cadmium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	ug/L	**0.33 F**	< 5 U	**0.25 F**	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	**0.22 F**	**0.71 F**	NA	**0.418 F**	**0.807**	< 0.6 U	< 0.6 U	**0.303 F**	**0.474 F**	**0.744**	< 0.6 U	< 0.6 U
Calcium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	**101064 M**	**99880 M**	**120000 M**	**117000**	**111000**	**82500**	**98300 M**	**97400**	**69000**	**90000 M**	**81500 M**	NA	**85400 M**	**103000 B**	**114000**	**93000 M**	**89100 M**	**89900 M**	**92800 M**	**103000 M**
Chromium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	ug/L	NA	**1 F**	NA	**3.5 F**	NA	**3.15 F**	NA	**4.33 F**	NA	**1.8 F**	NA	NA	**1.51 M**	NA	**9.41**	NA	< 2 UM	< 2 UM	**1.1 M**	< 2 U
Chromium VI	D	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.005 U	NA	< 0.01 U	NA	< 0.01 U	< 0.01 U	NA	NA
Chromium VI	T	mg/L	NA	< 0.5 U	NA	**0.005 F**	NA	< 0.01 U	NA	R	NA	< 0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	NA	**4 F**	NA	< 60 U	NA	< 60 U	NA	< 60 U	NA	**7.2**	NA	NA	**2.64 M**	**1.14**	**7.09**	NA	**2.55 J**	**3.32 J**	NA	NA
Copper	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	NA	< 10 U	NA	< 10 U	NA	< 10 U	NA	< 10 U	NA	**3.7**	NA	NA	**5.66**	< 5 UJ	< 5 U	NA	< 5 U	< 5 U	NA	NA
Iron	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	**59023 J**	**44624**	**57000 M**	**38300**	**34600**	**20500**	**15600 M**	**12000**	**14000 M**	**40000**	**28100 M**	NA	**29300 M**	**15100 M**	**60700**	**55300 M**	**22100 M**	**29200 M**	**35300**	**50600**
Lead	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	ug/L	< 25 U	**1.2 F**	**1.5 F**	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 2 U	**1.7 F**	NA	**2.29**	**2.51**	< 1 U	< 1 U	**1.06**	**0.673 F**	**0.877 F**	**1.52**	< 1 U
Magnesium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	**13737**	**18330**	**20000**	**19900**	**17100**	**15600**	**21100**	**19300**	**14000**	**18000**	**15200 M**	NA	**13700**	**17500 B**	**21900**	**11300 M**	**18000**	**18300**	**15000 M**	**10700**
Manganese	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	**3805 J**	**1398**	**2800**	**2180**	**2090**	**3540**	**2370 M**	**2060**	**3600 M**	**2300**	**1410 M**	NA	**1990 M**	**736**	**5150**	**1370 M**	**1240 J**	**1610 J**	**826**	**1010**
Mercury	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	NA	**0.02 F**	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	**0.072 F**	NA	NA	< 0.2 U	< 0.2 U	< 0.2 U	NA	< 0.2 U	< 0.2 U	NA	NA
Nickel	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	NA	**3 F**	NA	**4.66 F**	NA	**6.91 F**	NA	**5.19 F**	NA	**8.1**	NA	NA	**5.18 M**	**6.6 M**	**8.74**	NA	**4.38 M**	**4.65 M**	NA	NA
Potassium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	**4873 J**	**3460**	**2300**	**2150 J**	**1540**	**2200 J**	**1800 J**	**2260**	**1100**	**1700**	**1430 M**	NA	**1660**	**1100 B**	**1970**	**2260**	**1330**	**1320**	**1750 M**	**1810**
Selenium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	NA	**2 F**	NA	< 30 U	NA	< 30 U	NA	< 30 U	NA	**0.47 F**	NA	NA	< 1 U	< 1 U	< 1 U	NA	**0.805 F**	**0.583 F**	NA	NA
Silver	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	NA	**1 F**	NA	< 10 U	NA	< 10 U	NA	< 10 U	NA	< 1 UM	NA	NA	< 1 U	< 1 U	< 1 U	NA	< 1 U	< 1 U	NA	NA
Sodium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	**65664 M**	**57560**	**11000 M**	**31800 J**	**37500**	**80100**	**14100 M**	**41300**	**13000 M**	**23000**	**8350 M**	NA	**141000 M**	**130000 B**	**1550**	**91200 M**	**104000**	**85900**	**88600**	**63000**
Thallium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	NA	< 80 U	NA	< 80 U	NA	< 80 U	NA	< 80 U	NA	< 1 U	NA	NA	< 0.2 UM	< 0.2 U	NA	NA	< 0.2 U	< 0.2 U	NA	NA
Vanadium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	NA	< 10 U	NA	< 10 U	NA	< 10 U	NA	< 10 U	NA	**4.1 F**	NA	NA	**2.14 M**	NA	NA	NA	**0.607 M**	**0.78 M**	NA	NA
Zinc	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	NA	**10 F**	NA	**70.2 J**	NA	**16.2 F**	NA	**33.6 J**	NA	**19 M**	NA	NA	**9.76 F**	**7.31 F**	< 20 U	NA	< 20 U	< 20 U	NA	NA
Total Recoverable Phenolics	N	mg/L	NA	**0.0074**	NA	< 0.005 U	NA	< 0.005 U	NA	< 0.005 U	NA	< 0.05 UM	NA	NA	**0.0046 F**	NA	< 0.005 U	NA	< 0.005 U	< 0.005 U	NA	NA
VOCs																						
1,1,1-Trichloroethane	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	< 1 U	NA	NA
1,1,2,2-Tetrachloroethane	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	< 1 U	NA	NA
1,1,2-trichloro-1,2,2-trifluoroethane	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 5 U	NA	< 5 U	NA	< 5 U	< 5 U	NA	NA
1,1,2-Trichloroethane	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	< 1 U	NA	NA
1,1-Dichloroethane	N	ug/L	NA	< 0.5 U	NA	**0.16 F**	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	< 1 U	NA	NA
1,1-Dichloroethene	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	< 1 U	NA	NA
1,2,3-Trichloropropane	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	< 1 U	NA	NA
1,2,3-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 UJ	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	< 1 U	NA	NA
1,2,4-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	N	ug/L	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 2 U	NA	NA	< 2 U	NA	< 2 U	NA	< 2 U	< 2 U	NA	NA
1,2-Dibromoethane	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	< 1 U	NA	NA
1,2-Dichlorobenzene	N	ug/L	NA	**0.22 F**	NA	**0.25 F**	NA	**0.41 F**	NA	**0.64**	NA	**0.348 F**	NA	NA	**0.261 F**	NA	**0.177 F**	NA	**0.386 F**	**0.38 F**	NA	NA
1,2-Dichloroethane	N	ug/L	NA	< 0.5 U	NA	**0.14 F**	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	< 1 U	NA	NA
1,2-Dichloroethene, Total	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	< 1 U	NA	NA
1,3,5-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	< 1 U	NA	NA
1,3-Dichloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	N	ug/L	NA	**1.04**	NA	**1.03**	NA	**1.9**	NA	**3.11**	NA	**2.21**	NA	NA	**1.82**	NA	**1.45**	NA	**1.27**	**1.46**	NA	NA
1,4-Dioxane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	N	ug/L	NA	< 5 U	NA	R	NA	< 5 U	NA	< 5 U	NA	< 10 U	NA	NA	< 5 U	NA	< 5 U	NA	< 5 UJ	< 5 UJ	NA	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001	MW-23-001
		Sample Date	12/20/2004	3/29/2005	6/28/2005	12/15/2005	6/28/2006	1/4/2007	7/12/2007	12/5/2007	6/25/2009	12/10/2009	6/21/2010	6/21/2010	12/8/2010	6/21/2011	12/13/2011	6/20/2012	6/25/2013	6/25/2013	6/19/2014	7/8/2015
		Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N
Chemical	**Fraction**	**Unit**																				
2-Chloroethyl vinyl ether	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	N	ug/L	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 10 U	NA	NA	< 5 U	NA	< 5 U	NA	< 5 UJ	< 5 UJ	NA	NA
Acetone	N	ug/L	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 20 U	NA	NA	< 5 U	NA	< 5 U	NA	< 5 U	< 5 U	NA	NA
Acrylonitrile	N	ug/L	NA	< 4 U	NA	< 4 U	NA	< 4 U	NA	< 4 U	NA	< 1 U	NA	NA	< 5 U	NA	< 5 U	NA	< 5 U	< 5 U	NA	NA
Benzene	N	ug/L	NA	**2.08 J**	NA	**1.52**	NA	**0.48 F**	NA	**0.51**	NA	**0.509 F**	NA	NA	**0.484 F**	NA	**0.399 F**	NA	**0.587 F**	**0.652 F**	NA	NA
Bromochloromethane	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	< 1 U	NA	NA
Bromodichloromethane	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	< 1 U	NA	NA
Bromoform	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	< 1 U	NA	NA
Bromomethane	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	< 1 U	NA	NA
Carbon Disulfide	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 5 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	< 1 U	NA	NA
Carbon Tetrachloride	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	< 1 U	NA	NA
CFC-11	N	ug/L	NA	**0.13 F**	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	< 1 U	NA	NA
CFC-12	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1	NA	< 1 UJ	< 1 UJ	NA	NA
Chlorobenzene	N	ug/L	NA	**1.28 J**	NA	**1.67**	NA	**1.72**	NA	**4**	NA	**0.76 F**	NA	NA	**0.506 F**	NA	**0.385 F**	NA	**0.961 F**	**0.991 F**	NA	NA
Chlorodibromomethane	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	< 1 U	NA	NA
Chloroethane	N	ug/L	NA	**0.66**	NA	**0.85 M**	NA	< 0.5 U	NA	**0.19 F**	NA	< 1 U	NA	NA	< 1 U	NA	**1.04**	NA	< 1 UJ	< 1 UJ	NA	NA
Chloroform	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	< 1 U	NA	NA
Chloromethane	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	< 1 U	NA	NA
cis-1,2-Dichloroethene	N	ug/L	NA	**0.2 F**	NA	**0.16 F**	NA	**0.11 F**	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	< 1 U	NA	NA
cis-1,3-Dichloropropene	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	< 1 U	NA	NA
Cyclohexane	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	**0.2 F**	NA	< 0.5 U	NA	< 5 U	NA	NA	< 5 U	NA	< 5 U	NA	< 5 UJ	< 5 UJ	NA	NA
Dibromomethane	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	< 1 U	NA	NA
Dichloromethane	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 5 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	< 1 U	NA	NA
Ethylbenzene	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	< 1 U	NA	NA
Isopropylbenzene	N	ug/L	NA	**0.1 F**	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	< 1 U	NA	NA
m&p-Xylenes	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	N	ug/L	NA	< 5 U	NA	< 5 U	NA	R	NA	< 5 U	NA	< 5 U	NA	NA	< 5 U	NA	< 5 U	NA	< 5 U	< 5 U	NA	NA
Methyl N-Butyl Ketone (2-Hexanone)	N	ug/L	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	NA	< 5 U	NA	< 5 U	NA	< 5 UJ	< 5 UJ	NA	NA
Methylcyclohexane	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	**0.19 F**	NA	< 0.5 U	NA	< 5 U	NA	NA	< 5 U	NA	< 5 U	NA	< 5 U	< 5 U	NA	NA
Methyl-tert-butylether	N	ug/L	NA	< 0.5 U	NA	**0.14 F**	NA	**0.14 F**	NA	**0.29 F**	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	< 1 U	NA	NA
n-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenolics	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	< 1 U	NA	NA
tert-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	< 1 U	NA	NA
Toluene	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	< 1 U	NA	NA
Total Xylenes	N	ug/L	NA	< 1.5 U	NA	< 1.5 U	NA	< 1.5 U	NA	< 1.5 U	NA	< 3 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	< 1 U	NA	NA
trans-1,2-Dichloroethene	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	< 1 U	NA	NA
trans-1,3-Dichloropropene	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	< 1 U	NA	NA
trans-1,4-Dichloro-2-butene	N	ug/L	NA	< 2 U	NA	< 2 U	NA	< 2 U	NA	< 2 U	NA	< 5 U	NA	NA	< 5 UJ	NA	< 5 U	NA	< 5 UJ	< 5 UJ	NA	NA
Trichloroethene	N	ug/L	NA	**0.12 F**	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	< 1 U	NA	NA
Vinyl acetate	N	ug/L	NA	< 2 U	NA	R	NA	R	NA	< 2 U	NA	< 5 U	NA	NA	< 5 UJ	NA	< 5 U	NA	< 5 UJ	< 5 UJ	NA	NA
Vinyl chloride	N	ug/L	NA	**1.85**	NA	**1.87**	NA	**0.56**	NA	**1.09**	NA	**1.09**	NA	NA	**0.513 F**	NA	**1.54**	NA	**0.36 F**	**0.4007 F**	NA	NA
Leachate Indicators																						
Ammonia Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromide	N	mg/L	NA	< 0 U	NA	< 0 UM	NA	< 0 UM	NA	< 0 U	NA	< 0 U	NA	NA	< 0 U	NA	< 0 U	NA	< 0.2 U	< 0.2 U	NA	NA
Chloride	N	mg/L	NA	**87.02 M**	NA	**51 M**	NA	**120 M**	NA	**49**	NA	**64**	NA	NA	**167 M**	NA	**3.42**	NA	**146 J**	**192 J**	NA	NA
Fluoride (F-, Anion)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	N	mg/L	NA	**14.62**	NA	**11 J**	NA	**26 M**	NA	**17**	NA	**27 M**	NA	NA	**29.4**	NA	**1.14**	NA	**14.9**	**18**	NA	NA
Total Kjeldahl Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorus as PO4	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity	N	mg/L	NA	**326**	NA	**330**	NA	**260**	NA	**320**	NA	NA	NA	NA	**283 M**	NA	**32.4**	NA	**249**	**240**	NA	NA
Alkalinity (as CaCO3)	N	mg/L	NA	**364**	NA	**390 B**	NA	**270**	NA	**320**	NA	**298**	NA	NA	**230 M**	NA	**490**	NA	**286**	**288**	NA	NA
Alkalinity, Bicarbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Carbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Hydroxide	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Biological Oxygen Demand	N	mg/L	NA	< 0 U	NA	R	NA	< 0 U	NA	< 0 U	NA	**4.5**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	NA	NA	NA	**6.02 B**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CBOD	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0 UM	NA	**5.08**	NA	< 0 U	< 0 U	NA	NA
Chemical Oxygen Demand	N	mg/L	NA	**15.1 J**	NA	**20 J**	NA	**20**	NA	R	NA	**14 J**	NA	NA	**29.3 M**	NA	**14.5 F**	NA	< 0 U	< 0 U	NA	NA
Color	N	COLOR UNIT	NA	20 J	NA	30 J	NA	150	NA	30	NA	100	NA	NA	< 0 U	NA	5	NA	5	5	NA	NA
Color	N	PCU	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	N	ug/L	NA	< 0 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	< 1 U	NA	NA
Hardness (as CaCO3)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	N	PH UNITS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.06	NA	NA	NA	NA	NA
Total Dissolved Solids	N	mg/L	NA	**560**	NA	**430**	NA	**530**	NA	**460**	NA	NA	NA	NA	**594**	NA	**508**	NA	**614**	**672**	NA	NA
Total Dissolved Solids	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	NA	**2.8**	NA	NA	NA	**2.4**	NA	**2.6**	NA	**2.5 M**	NA	NA	**9.83 M**	NA	**60.9**	NA	**3.46 B**	**3.8 B**	NA	NA
Total Organic Carbon 2	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-001	MW-23-001	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002
		Sample Date	8/24/2017	7/31/2018	12/7/1987	8/10/1988	1/10/1989	4/23/2001	6/20/2001	9/24/2001	12/12/2001	3/19/2002	6/18/2002	9/23/2002	12/19/2002	3/17/2003	6/19/2003	9/25/2003	1/13/2004	3/23/2004	6/24/2004	9/21/2004
		Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**																				
Metals																						
Aluminum	D	ug/L	NA	NA	< 200	NA	**62**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	NA	< 70	NA	NA	NA	**57.8 B**	NA	NA	NA	NA	< 200 U	< 200 U	< 200 U	NA	NA	**638 M**	NA	NA	NA	NA
Antimony	D	ug/L	NA	NA	< 60	NA	< 43	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	NA	< 1.0	NA	NA	NA	< 4.1 U	NA	NA	NA	NA	**5.3 F**	< 50 U	**2.7 F**	NA	NA	< 50 U	NA	NA	NA	NA
Arsenic	D	ug/L	NA	NA	**1.6**	NA	**2.2**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	ug/L	NA	**11**	NA	NA	NA	< 4.4 U	NA	NA	NA	NA	< 30 U	< 30 U	< 30 U	NA	NA	**10.7 F**	NA	NA	NA	NA
Barium	D	ug/L	NA	NA	**8.9**	NA	**11**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	ug/L	NA	**39**	NA	NA	NA	**11.6 B**	NA	NA	NA	NA	**10.7**	**13.4 J**	**11.7 F**	NA	NA	**22.1 F**	NA	NA	NA	NA
Beryllium	D	ug/L	NA	NA	< 5	NA	**2.8**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	NA	< 0.30	NA	NA	NA	**0.33 B**	NA	NA	NA	NA	< 5 U	< 5 U	< 4 U	NA	NA	< 4 U	NA	NA	NA	NA
Boron	T	ug/L	NA	< 15	NA	NA	NA	**37.3 B**	NA	NA	NA	NA	< 110 U	< 110 U	< 110 U	NA	NA	**27.4 F**	NA	NA	NA	NA
Cadmium	D	ug/L	NA	NA	< 5	NA	**4.3**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	ug/L	**0.90**	< 1.0	NA	NA	NA	< 0.4 U	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Calcium	D	ug/L	NA	NA	**52700**	NA	**43800**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	**79000**	**86000**	NA	NA	NA	**58400**	**70558 M**	**83587 M**	**72143 J**	**53345 MJ**	**43937 MJ**	**45338 M**	**49514**	**45729 M**	**45332 M**	**69360**	**70136**	**61926**	**55371 M**	**67940 M**
Chromium	D	ug/L	NA	NA	< 10	NA	< 5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	ug/L	**9.0**	< 1.8	NA	NA	NA	**2.9 B**	NA	NA	NA	NA	< 10 U	**78.7 J**	**2.6 F**	NA	NA	< 10 U	NA	NA	NA	NA
Chromium VI	D	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium VI	T	mg/L	NA	< 0.010	NA	NA	NA	< 0.01 UJ	NA	NA	NA	NA	< 0.01 U	NA	NA	NA	NA	< 0.01 U	NA	NA	NA	NA
Cobalt	D	ug/L	NA	NA	**4.6**	NA	**4.2**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	NA	**12**	NA	NA	NA	< 0.6 U	NA	NA	NA	NA	< 6 U	< 6 U	< 60 U	NA	NA	< 60 U	NA	NA	NA	NA
Copper	D	ug/L	NA	NA	**15**	NA	**6.4**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	NA	< 1.8	NA	NA	NA	**4.8 B**	NA	NA	NA	NA	< 10 U	< 10 U	< 10 U	NA	NA	< 10 U	NA	NA	NA	NA
Iron	D	ug/L	NA	NA	**35**	NA	**143**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	**98000**	**74000**	NA	NA	NA	**72.8 B**	**88.8 F**	< 200 U	< 200 U	< 200 U	< 200 UM	**343 J**	< 200 U	**61.7 J**	**19.8 J**	**512**	**209**	**55.4 F**	**116 J**	< 200 U
Lead	D	ug/L	NA	NA	< 5	NA	< 0.91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	ug/L	**1.6**	< 0.70	NA	NA	NA	< 2.1 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	**4.9 F**	< 25 U	< 25 U
Magnesium	D	ug/L	NA	NA	**18400**	NA	**15100**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	**11000**	**14000**	NA	NA	NA	**17200**	**20675**	**25200**	**21242**	**16712**	**13607 MJ**	**14473**	**14990**	**13901 M**	**13758 M**	**21028**	**21701**	**19003 M**	**17531**	**21235**
Manganese	D	ug/L	NA	NA	**5.6**	NA	**12**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	**1200**	**1700**	NA	NA	NA	**3.3 B**	**10.2**	< 5 U	< 5 U	< 5 U	< 5 U	**7.61**	< 10 U	< 10 U	R	**17.3**	**6.4 F**	**1.4 F**	**3.7 F**	< 10 U
Mercury	D	ug/L	NA	NA	NA	NA	< 0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	NA	< 0.080	NA	NA	NA	< 0.1 U	NA	NA	NA	NA	< 1 UM	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA
Nickel	D	ug/L	NA	NA	< 40	NA	< 24	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	NA	**6.8**	NA	NA	NA	< 2.7 U	NA	NA	NA	NA	< 10 U	**45.9 J**	< 20 U	NA	NA	< 20 U	NA	NA	NA	NA
Potassium	D	ug/L	NA	NA	**5020**	NA	< 2360	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	**2300**	**2200**	NA	NA	NA	**1810 J**	**1586 J**	**2075 J**	**1558**	**1502**	**1388**	**1200**	**849 F**	**1266**	**903 J**	**1254**	**1107**	**1231**	**1158**	**912 F**
Selenium	D	ug/L	NA	NA	**30**	NA	**2.1**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	NA	< 2.0	NA	NA	NA	< 9.9 U	NA	NA	NA	NA	< 30 U	< 30 U	< 30 U	NA	NA	**23.5 F**	NA	NA	NA	NA
Silver	D	ug/L	NA	NA	NA	NA	< 4.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	NA	< 0.10	NA	NA	NA	< 0.9 U	NA	NA	NA	NA	< 10 U	< 10 U	< 10 U	NA	NA	< 10 U	NA	NA	NA	NA
Sodium	D	ug/L	NA	NA	**49100**	NA	**49100**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	**46000**	**24000**	NA	NA	NA	**124000**	**121430**	**132026**	**117569**	**104366 M**	**87556 MJ**	**106396 M**	**112475**	**110817 M**	**109298 M**	**117593**	**121601**	**109397 M**	**124553**	**148380 M**
Thallium	D	ug/L	NA	NA	< 10	NA	**2.2**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	NA	< 0.20	NA	NA	NA	< 4.3 U	NA	NA	NA	NA	**4.1 F**	< 80 U	**5.3 F**	NA	NA	< 80 U	NA	NA	NA	NA
Vanadium	D	ug/L	NA	NA	**7.2**	NA	**3.8**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	NA	< 2.0	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 10 U	< 10 U	< 10 U	NA	NA	< 10 U	NA	NA	NA	NA
Zinc	D	ug/L	NA	NA	**9**	NA	**73**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	NA	**2.2**	NA	NA	NA	**13.4**	NA	NA	NA	NA	**8.6 F**	**9.5 F**	**3.2 F**	NA	NA	**2.5 F**	NA	NA	NA	NA
Total Recoverable Phenolics	N	mg/L	NA	NA	NA	NA	NA	< 0.005 UJ	NA	NA	NA	NA	< 0.005 UM	NA	NA	NA	NA	**0.0042 J**	NA	NA	NA	NA
VOCs																						
1,1,1-Trichloroethane	N	ug/L	NA	< 0.40	NA	NA	< 5 [< 0.3]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	N	ug/L	NA	< 0.80	NA	NA	< 5 [< 0.3]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
1,1,2-trichloro-1,2,2-trifluoroethane	N	ug/L	NA	< 1.6	NA	NA	< 1	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
1,1,2-Trichloroethane	N	ug/L	NA	< 0.80	NA	NA	< 5 [< 0.2]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
1,1-Dichloroethane	N	ug/L	NA	< 0.80	NA	NA	< 5 [< 0.4]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
1,1-Dichloroethene	N	ug/L	NA	< 0.80	NA	NA	< 5 [< 0.3]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
1,2,3-Trichloropropane	N	ug/L	NA	< 0.80	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
1,2,3-Trimethylbenzene	N	ug/L	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	N	ug/L	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
1,2,4-Trimethylbenzene	N	ug/L	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	N	ug/L	NA	< 1.6	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA
1,2-Dibromoethane	N	ug/L	NA	< 0.40	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
1,2-Dichlorobenzene	N	ug/L	NA	**0.13**	NA	NA	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
1,2-Dichloroethane	N	ug/L	NA	< 0.40	NA	NA	< 5 [< 0.3]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
1,2-Dichloroethene, Total	N	ug/L	NA	NA	< 5	< 5	< 5 [< 0.5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	N	ug/L	NA	< 0.40	< 5	< 5	< 5 [< 0.2]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
1,3,5-Trimethylbenzene	N	ug/L	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	N	ug/L	NA	< 0.40	NA	NA	< 1	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
1,3-Dichloropropane	N	ug/L	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	N	ug/L	NA	**0.54**	NA	NA	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
1,4-Dioxane	N	ug/L	NA	< 160	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	N	ug/L	NA	< 4.0	< 10	**160**	< 10	NA	NA	NA	NA	NA	< 5 UM	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-001	MW-23-001	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002
		Sample Date	8/24/2017	7/31/2018	12/7/1987	8/10/1988	1/10/1989	4/23/2001	6/20/2001	9/24/2001	12/12/2001	3/19/2002	6/18/2002	9/23/2002	12/19/2002	3/17/2003	6/19/2003	9/25/2003	1/13/2004	3/23/2004	6/24/2004	9/21/2004
		Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**																				
2-Chloroethyl vinyl ether	N	ug/L	NA	NA	NA	NA	< 0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	N	ug/L	NA	< 3.2	< 10	< 10	< 10	< 2 U	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA
Acetone	N	ug/L	NA	**13**	< 10	< 10	< 10	NA	NA	NA	NA	NA	< 10 UM	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA
Acrylonitrile	N	ug/L	NA	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA
Benzene	N	ug/L	NA	**0.69**	< 5	< 5	< 5	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Bromochloromethane	N	ug/L	NA	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Bromodichloromethane	N	ug/L	NA	< 0.40	< 5	< 5	< 5 [< 0.4]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Bromoform	N	ug/L	NA	< 0.40	NA	NA	< 5 [< 0.5]	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Bromomethane	N	ug/L	NA	< 0.80	NA	NA	< 10 [< 0.5]	< 2 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Carbon Disulfide	N	ug/L	NA	< 1.6	NA	NA	< 5	< 1 U	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Carbon Tetrachloride	N	ug/L	NA	< 0.40	NA	NA	< 5 [< 0.3]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
CFC-11	N	ug/L	NA	< 0.80	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
CFC-12	N	ug/L	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Chlorobenzene	N	ug/L	NA	**0.75**	< 5	< 5	< 5 [< 0.4]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Chlorodibromomethane	N	ug/L	NA	< 0.40	NA	NA	< 5 [< 0.4]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Chloroethane	N	ug/L	NA	< 1.6	NA	NA	< 10 [< 0.5]	< 2 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Chloroform	N	ug/L	NA	< 0.40	< 5	< 5	< 5 [< 0.2]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Chloromethane	N	ug/L	NA	< 0.80	NA	NA	< 10 [< 0.5]	< 2 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
cis-1,2-Dichloroethene	N	ug/L	NA	< 0.40	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
cis-1,3-Dichloropropene	N	ug/L	NA	< 0.40	NA	NA	< 5 [< 0.3]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Cyclohexane	N	ug/L	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Dibromomethane	N	ug/L	NA	< 0.40	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Dichloromethane	N	ug/L	NA	< 0.80	**2**	< 5	< 5 [< 1]	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Ethylbenzene	N	ug/L	NA	< 0.40	< 5	< 5	< 5	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Isopropylbenzene	N	ug/L	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
m&p-Xylenes	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	N	ug/L	NA	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA
Methyl N-Butyl Ketone (2-Hexanone)	N	ug/L	NA	< 4.0	< 10	< 10	< 10	< 2 U	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA
Methylcyclohexane	N	ug/L	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Methyl-tert-butylether	N	ug/L	NA	< 0.80	NA	NA	NA	**3.2**	NA	NA	NA	NA	**0.46 F**	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
n-Butylbenzene	N	ug/L	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	N	ug/L	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenolics	N	mg/L	NA	< 0.010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	N	ug/L	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	N	ug/L	NA	< 0.40	NA	NA	< 5	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
tert-Butylbenzene	N	ug/L	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	N	ug/L	NA	< 0.40	< 5	< 5	< 5 [< 0.2]	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Toluene	N	ug/L	NA	< 0.40	< 5	< 5	< 5	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Total Xylenes	N	ug/L	NA	< 0.80	< 5	< 5	< 5	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 1.5 U	NA	NA	NA	NA
trans-1,2-Dichloroethene	N	ug/L	NA	< 0.40	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
trans-1,3-Dichloropropene	N	ug/L	NA	< 0.40	NA	NA	< 5 [< 0.3]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
trans-1,4-Dichloro-2-butene	N	ug/L	NA	< 1.6	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Trichloroethene	N	ug/L	NA	< 0.40	< 5	< 5	< 5 [< 0.5]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Vinyl acetate	N	ug/L	NA	< 2.0	NA	NA	< 10	< 4 U	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA
Vinyl chloride	N	ug/L	NA	**0.41**	< 10	< 10	< 10 [< 0.3]	< 2 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Leachate Indicators																						
Ammonia Nitrogen	N	mg/L	NA	**1.4**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromide	N	mg/L	NA	< 0.20	< 1	NA	NA	< 0 U	NA	NA	NA	NA	RU	NA	NA	NA	NA	**0.07 F**	NA	NA	NA	NA
Chloride	N	mg/L	NA	**18**	**78**	NA	NA	**155**	NA	NA	NA	NA	**142 J**	NA	NA	NA	NA	**206 J**	NA	NA	NA	NA
Fluoride (F-, Anion)	N	mg/L	NA	NA	< 0.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	N	mg/L	NA	< 0.10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	N	mg/L	NA	**12**	**15**	NA	NA	**34.1**	NA	NA	NA	NA	**23.6**	NA	NA	NA	NA	**34.9**	NA	NA	NA	NA
Total Kjeldahl Nitrogen	N	mg/L	NA	**1.7**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorus as PO4	N	mg/L	NA	NA	**0.4**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity	N	mg/L	NA	**320**	NA	NA	NA	**180**	NA	NA	NA	NA	**166 S**	NA	NA	NA	NA	**164 B**	NA	NA	NA	NA
Alkalinity (as CaCO3)	N	mg/L	NA	NA	NA	NA	NA	**200**	NA	NA	NA	NA	**186 B**	NA	NA	NA	NA	**471 B**	NA	NA	NA	NA
Alkalinity, Bicarbonate	N	mg/L	NA	**320**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Carbonate	N	mg/L	NA	< 5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Hydroxide	N	mg/L	NA	< 5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Biological Oxygen Demand	N	mg/L	NA	**2.4**	NA	NA	NA	< 0 UJ	NA	NA	NA	NA	< 0 U	NA	NA	NA	NA	**2.05 B**	NA	NA	NA	NA
Carbon	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CBOD	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chemical Oxygen Demand	N	mg/L	NA	**14**	NA	NA	NA	< 0 U	NA	NA	NA	NA	**5 B**	NA	NA	NA	NA	**31.2**	NA	NA	NA	NA
Color	N	COLOR UNIT	NA	NA	NA	NA	NA	5	NA	NA	NA	NA	5 B	NA	NA	NA	NA	30	NA	NA	NA	NA
Color	N	PCU	NA	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	N	ug/L	NA	**2.6**	NA	NA	NA	< 0 U	NA	NA	NA	NA	< 0 U	NA	NA	NA	NA	< 0 U	NA	NA	NA	NA
Hardness (as CaCO3)	N	mg/L	NA	**280**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	N	PH UNITS	NA	NA	NA	NA	6.01 [7.76 [5.82	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids	N	mg/L	NA	**420**	**270**	NA	NA	**520**	NA	NA	NA	NA	**455 SB**	NA	NA	NA	NA	**594 S**	NA	NA	NA	NA
Total Dissolved Solids	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	NA	NA	NA	NA	NA	**3.4 J**	NA	NA	NA	NA	**0.78 SF**	NA	NA	NA	NA	**2.01 M**	NA	NA	NA	NA
Total Organic Carbon 2	N	mg/L	NA	**2.6**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002
		Sample Date	12/15/2004	3/23/2005	6/22/2005	12/13/2005	6/26/2006	1/2/2007	7/10/2007	12/4/2007	6/23/2009	12/8/2009	6/21/2010	6/21/2010	12/6/2010	12/6/2010	6/22/2011	12/6/2011	6/21/2012	6/20/2013	6/17/2014	6/17/2014
		Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD
Chemical	**Fraction**	**Unit**																				
Metals																						
Aluminum	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	NA	< 200 U	NA	**146 F**	NA	**2770 M**	NA	**49.6 F**	NA	**180 J**	NA	NA	NA	**924**	**1230**	**1660**	NA	< 200 U	NA	NA
Antimony	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	NA	< 50 U	NA	< 50 U	NA	< 50 U	NA	< 50 U	NA	**1.4 F**	NA	NA	NA	**0.88 F**	< 1 U	< 1 U	NA	< 1 U	NA	NA
Arsenic	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	ug/L	NA	< 30 U	NA	< 30 U	NA	< 30 U	NA	< 30 U	NA	< 5 U	NA	NA	NA	< 1 UM	**0.519 J**	< 1 U	NA	< 1 UJ	NA	NA
Barium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	ug/L	NA	**15.6 F**	NA	**16.8 F**	NA	**42.5 F**	NA	**12.6 F**	NA	**13**	NA	NA	NA	**19.3**	**24.7 B**	**19.6**	NA	**25.4**	NA	NA
Beryllium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	NA	< 4 U	NA	< 4 U	NA	< 4 U	NA	< 4 U	NA	< 1 U	NA	NA	NA	< 2 U	< 2 U	**0.619 F**	NA	< 2 U	NA	NA
Boron	T	ug/L	NA	**14 F**	NA	NA	NA	**6.28 F**	NA	**14.3 F**	NA	**13**	NA	NA	NA	**74 F**	< 100 U	< 100 U	NA	< 100 U	NA	NA
Cadmium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	ug/L	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 1 U	**0.1 F**	NA	< 0.6 U	NA	< 0.6 U	< 0.6 U	< 0.6 U	< 0.6 U	< 0.6 U	< 0.6 U	< 0.6 U
Calcium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	**75242 M**	**66270 M**	**74000 M**	**57000**	**74300**	**94800**	**64900 M**	**43200**	**67000**	**58000 M**	**49800 M**	NA	**33500 M**	NA	**67200 B**	**56100**	**80500 M**	**91500 M**	**44800 M**	**44000 M**
Chromium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	ug/L	NA	**2 J**	NA	**3.99 J**	NA	**1.8 F**	NA	**2.42 F**	NA	**1.6 F**	NA	NA	NA	**2.99 M**	**2.48 M**	**4.84**	NA	**1.57 M**	**3.04 M**	**2.09 M**
Chromium VI	D	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1 U	NA	< 0.01 U	NA	< 0.01 U	NA	NA
Chromium VI	T	mg/L	NA	< 0.5 U	NA	R	NA	< 0.01 U	NA	R	NA	**0.0012 F**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	NA	< 60 U	NA	< 60 U	NA	< 60 U	NA	< 60 U	NA	**0.16 F**	NA	NA	NA	< 1 UM	**0.528 F**	**0.986 F**	NA	< 1 UJ	NA	NA
Copper	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	NA	R	NA	< 10 U	NA	**2.23 F**	NA	< 10 U	NA	**1.1**	NA	NA	NA	< 5 U	**2.68 J**	< 5 U	NA	< 5 U	NA	NA
Iron	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	**355 J**	**16 J**	**150 M**	**302 J**	**23.2 J**	**3930 J**	**771 M**	**17.8 F**	**160 M**	**190**	**999 M**	NA	NA	**680 M**	**1460 M**	**2240**	**106 M**	**79.5 M**	**165**	**154**
Lead	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	ug/L	< 25 U	R	R	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	**0.27 F**	**0.44 F**	NA	**1.5**	NA	**1.42**	**1.32**	**1.27**	< 1 U	< 1 U	< 1 U	< 1 U
Magnesium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	**21656**	**19570**	**21000**	**16400**	**20600**	**26700**	**18800**	**12500**	**19000**	**16000**	**11900 M**	NA	NA	**8200**	**17300 B**	**14300**	**19100 M**	**24100**	**12800 M**	**12500 M**
Manganese	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	**11**	R	**3.3 F**	**4.37 J**	< 10 U	**99.1 J**	**23 M**	< 10 U	**5.9 M**	**7.5**	**24.8 M**	NA	NA	**18 M**	**41.8 B**	**64.4**	**6.01 M**	< 10 UJ	**5.96 F**	**5.99 F**
Mercury	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	**0.066 F**	NA	NA	NA	< 0.2 U	< 0.2 U	< 0.2 U	NA	< 0.2 U	NA	NA
Nickel	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	NA	R	NA	R	NA	**2.71 F**	NA	< 20 U	NA	**0.9 F**	NA	NA	NA	**2.48 M**	**2.15 M**	**3.82 F**	NA	**4.58 M**	NA	NA
Potassium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	**1397 J**	**1470 J**	**1500 J**	**1640 J**	**1650**	**2550 J**	**1810 J**	**1460**	**1300**	**1200**	**1700 M**	NA	NA	**2180**	**1750 B**	**1920**	**2000**	**2970**	**2340 M**	**2160 M**
Selenium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	NA	< 30 U	NA	< 30 U	NA	< 30 U	NA	< 30 U	NA	**0.78 F**	NA	NA	NA	< 1 U	< 1 U	< 1 U	NA	**0.719 F**	NA	NA
Silver	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	NA	< 10 U	NA	< 10 U	NA	< 10 U	NA	< 10 U	NA	< 1 UM	NA	NA	NA	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA	NA
Sodium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	**169655 M**	**179000**	**170000 M**	**203000**	**200000**	**207000 J**	**207000 M**	**209000**	**74000 M**	**67000**	**41500 M**	NA	**38900 M**	NA	**62500 B**	**47400**	**97000 M**	**198000**	**117000**	**116000**
Thallium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	NA	< 80 U	NA	< 80 U	NA	< 80 U	NA	< 80 U	NA	< 1 U	NA	NA	NA	< 0.2 UM	< 0.2 U	< 0.2 U	NA	< 0.2 U	NA	NA
Vanadium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	NA	R	NA	< 10 U	NA	**5.53 F**	NA	**0.76 F**	NA	**0.67 F**	NA	NA	NA	**1.14 M**	**1.5**	**3.13**	NA	< 1 UM	NA	NA
Zinc	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	NA	**5 F**	NA	**83.1**	NA	**12.9 F**	NA	**29.4 J**	NA	**15 M**	NA	NA	NA	**7.29 F**	**14.4 F**	**14.5 F**	NA	**5.49 F**	NA	NA
Total Recoverable Phenolics	N	mg/L	NA	< 0.005 U	NA	< 0.005 U	NA	< 0.005 U	NA	< 0.005 U	NA	< 0.05 UM	NA	NA	NA	< 0.0056 U	NA	< 0.005 U	NA	< 0.005 U	NA	NA
VOCs																						
1,1,1-Trichloroethane	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
1,1,2,2-Tetrachloroethane	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
1,1,2-trichloro-1,2,2-trifluoroethane	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	NA
1,1,2-Trichloroethane	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
1,1-Dichloroethane	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
1,1-Dichloroethene	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
1,2,3-Trichloropropane	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
1,2,3-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
1,2,4-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	N	ug/L	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 2 U	NA	NA	NA	< 2 U	NA	< 2 U	NA	< 2 U	NA	NA
1,2-Dibromoethane	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
1,2-Dichlorobenzene	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
1,2-Dichloroethane	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
1,2-Dichloroethene, Total	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
1,3,5-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
1,3-Dichloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
1,4-Dioxane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	N	ug/L	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 10 U	NA	NA	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-002
		Sample Date	12/15/2004	3/23/2005	6/22/2005	12/13/2005	6/26/2006	1/2/2007	7/10/2007	12/4/2007	6/23/2009	12/8/2009	6/21/2010	6/21/2010	12/6/2010	12/6/2010	6/22/2011	12/6/2011	6/21/2012	6/20/2013	6/17/2014	6/17/2014
		Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD
Chemical	**Fraction**	**Unit**																				
2-Chloroethyl vinyl ether	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	N	ug/L	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 10 U	NA	NA	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	NA
Acetone	N	ug/L	NA	R	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 20 U	NA	NA	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	NA
Acrylonitrile	N	ug/L	NA	< 4 U	NA	< 4 U	NA	< 4 U	NA	< 4 U	NA	< 1 U	NA	NA	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	NA
Benzene	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
Bromochloromethane	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
Bromodichloromethane	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	**0.727 F**	NA	NA	NA	**0.574 F**	NA	**0.564 F**	NA	< 1 U	NA	NA
Bromoform	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
Bromomethane	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
Carbon Disulfide	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 5 U	NA	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
Carbon Tetrachloride	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
CFC-11	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
CFC-12	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
Chlorobenzene	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
Chlorodibromomethane	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
Chloroethane	N	ug/L	NA	< 0.5 U	NA	< 0.5 UM	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
Chloroform	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	**2.38**	NA	NA	NA	**1.64**	NA	**1.36**	NA	**0.206 F**	NA	NA
Chloromethane	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
cis-1,2-Dichloroethene	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
cis-1,3-Dichloropropene	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
Cyclohexane	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 5 U	NA	NA	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	NA
Dibromomethane	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
Dichloromethane	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 5 U	NA	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
Ethylbenzene	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
Isopropylbenzene	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
m&p-Xylenes	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	N	ug/L	NA	< 5 U	NA	< 5 U	NA	< 5 UM	NA	< 5 U	NA	< 5 U	NA	NA	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	NA
Methyl N-Butyl Ketone (2-Hexanone)	N	ug/L	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 5 UJ	NA	NA	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	NA
Methylcyclohexane	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 5 U	NA	NA	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	NA
Methyl-tert-butylether	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
n-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenolics	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
tert-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
Toluene	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	**0.12 F**	NA	< 0.5 U	NA	< 1 U	NA	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
Total Xylenes	N	ug/L	NA	< 1.5 U	NA	< 1.5 U	NA	< 1.5 U	NA	< 1.5 U	NA	< 3 U	NA	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
trans-1,2-Dichloroethene	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
trans-1,3-Dichloropropene	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
trans-1,4-Dichloro-2-butene	N	ug/L	NA	< 2 U	NA	< 2 U	NA	< 2 U	NA	< 2 U	NA	< 5 U	NA	NA	NA	< 5 UJ	NA	< 5 U	NA	< 5 U	NA	NA
Trichloroethene	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
Vinyl acetate	N	ug/L	NA	R	NA	< 2 U	NA	R	NA	< 2 U	NA	< 5 U	NA	NA	NA	< 5 UJ	NA	< 5 U	NA	< 5 U	NA	NA
Vinyl chloride	N	ug/L	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
Leachate Indicators																						
Ammonia Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromide	N	mg/L	NA	< 0 U	NA	< 0 UM	NA	< 0 UM	NA	< 0 U	NA	< 0 U	NA	NA	NA	< 0 U	NA	< 0 U	NA	< 0.6 U	NA	NA
Chloride	N	mg/L	NA	**294 M**	NA	**320 M**	NA	**410 M**	NA	**260**	NA	**110**	NA	NA	**65.3 M**	NA	NA	NA	NA	**315 J**	NA	NA
Fluoride (F-, Anion)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	N	mg/L	NA	**36.47**	NA	**45**	NA	**45 M**	NA	**39**	NA	**23 M**	NA	NA	NA	**18.9**	NA	**18.1**	NA	**40**	NA	NA
Total Kjeldahl Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorus as PO4	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity	N	mg/L	NA	**172**	NA	**190**	NA	**170**	NA	**110**	NA	NA	NA	NA	NA	**184 M**	NA	**179**	NA	**242**	NA	NA
Alkalinity (as CaCO3)	N	mg/L	NA	**244**	NA	**220 B**	NA	**360**	NA	**160**	NA	**201**	NA	NA	NA	**170 M**	NA	**198**	NA	**306**	NA	NA
Alkalinity, Bicarbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Carbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Hydroxide	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Biological Oxygen Demand	N	mg/L	NA	< 0 U	NA	< 0 U	NA	< 0 U	NA	< 0 U	NA	**6.5**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	NA	NA	NA	**1.41 J**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CBOD	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**3.78 M**	NA	< 0 U	NA	< 0 U	NA	NA
Chemical Oxygen Demand	N	mg/L	NA	< 0 U	NA	**11**	NA	**20 J**	NA	R	NA	**12 J**	NA	NA	NA	**16.5 M**	NA	**18 F**	NA	< 0 U	NA	NA
Color	N	COLOR UNIT	NA	< 0 U	NA	5 U	NA	< 0 U	NA	< 0 U	NA	< 0 U	NA	NA	NA	5	NA	5	NA	< 0 U	NA	NA
Color	N	PCU	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	N	ug/L	NA	< 0 U	NA	**14**	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	**42.4**	NA	**11.3**	NA	< 1 U	NA	NA
Hardness (as CaCO3)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	N	PH UNITS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.72	NA	NA	NA	NA
Total Dissolved Solids	N	mg/L	NA	**742**	NA	**790**	NA	**1100**	NA	**710**	NA	NA	NA	NA	NA	**338**	NA	**322**	NA	**814**	NA	NA
Total Dissolved Solids	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	NA	**3 J**	NA	NA	NA	**2.8 J**	NA	**2.5**	NA	**1.2 M**	NA	NA	NA	**1.69 M**	NA	**2.04**	NA	**1.91 B**	NA	NA
Total Organic Carbon 2	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003
		Sample Date	7/6/2015	7/6/2015	8/24/2017	7/31/2018	12/7/1987	8/10/1988	1/13/1989	9/18/1991	9/18/1991	5/1/2001	5/1/2001	6/27/2001	9/27/2001	9/27/2001	12/12/2001	3/20/2002	6/20/2002	6/20/2002	9/25/2002	12/17/2002
		Sample Type	N	FD	N	N	N	N	N	N	FD	N	FD	N	N	FD	N	N	N	FD	N	N
Chemical	**Fraction**	**Unit**																				
Metals																						
Aluminum	D	ug/L	NA	NA	NA	NA	**37**	NA	< 25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	NA	NA	NA	< 70	NA	NA	NA	NA	NA	**208 J**	**127 J**	NA	NA	NA	NA	NA	**29.9 F**	**43.4 F**	< 200 U	< 200 U
Antimony	D	ug/L	NA	NA	NA	NA	**27**	NA	< 43	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	NA	NA	NA	< 1.0	NA	NA	NA	NA	NA	< 4.1 U	< 4.1 U	NA	NA	NA	NA	NA	**10.4 F**	**10 F**	< 50 U	< 50 U
Arsenic	D	ug/L	NA	NA	NA	NA	**20**	NA	< 25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	ug/L	NA	NA	NA	< 1.0	NA	NA	NA	NA	NA	< 4.4 U	**10.5 J**	NA	NA	NA	NA	NA	**13 F**	**11 F**	**9 F**	< 30 U
Barium	D	ug/L	NA	NA	NA	NA	**194**	NA	< 200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	ug/L	NA	NA	NA	**16**	NA	NA	NA	NA	NA	**16.9 B**	**32**	NA	NA	NA	NA	NA	**43.6**	**44.2**	**53.7 J**	**43 F**
Beryllium	D	ug/L	NA	NA	NA	NA	< 5	NA	**172**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	NA	NA	NA	< 0.30	NA	NA	NA	NA	NA	**0.23 B**	< 0.1 U	NA	NA	NA	NA	NA	< 5 U	< 5 U	< 5 U	< 4 U
Boron	T	ug/L	NA	NA	NA	< 15	NA	NA	NA	NA	NA	**46.5 B**	**52.9 B**	NA	NA	NA	NA	NA	**27.9 F**	**27.7 F**	**34 F**	**16.3 F**
Cadmium	D	ug/L	NA	NA	NA	NA	< 5	NA	< 1.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	ug/L	< 0.6 U	< 0.6 U	< 1.0	< 1.0	NA	NA	NA	NA	NA	< 0.4 U	< 0.4 U	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	< 5 U
Calcium	D	ug/L	NA	NA	NA	NA	**130000**	NA	< 4.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	**56300 M**	**56800 M**	**85000**	**71000**	NA	NA	NA	NA	NA	**38700 J**	**67600 J**	**78603 M**	**115399 M**	**113889 M**	**105516 J**	**109948 MJ**	**94039 M**	**96232 M**	**106816 M**	**104485**
Chromium	D	ug/L	NA	NA	NA	NA	< 10	NA	**121000**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	ug/L	< 2 U	**1.14 F**	< 1.8	**1.2**	NA	NA	NA	NA	NA	**4.4 B**	**2 B**	NA	NA	NA	NA	NA	< 10 U	< 10 U	**1.4 F**	**1.8 F**
Chromium VI	D	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium VI	T	mg/L	NA	NA	NA	< 0.010	NA	NA	NA	NA	NA	< 0.01 UJ	< 0.01 UJ	NA	NA	NA	NA	NA	< 0.01 U	< 0.01 U	NA	NA
Cobalt	D	ug/L	NA	NA	NA	NA	**17**	NA	< 5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	NA	NA	NA	**0.055**	NA	NA	NA	NA	NA	**3 B**	**1.3 B**	NA	NA	NA	NA	NA	**2.17 F**	**2.27 F**	< 6 U	**5.7 F**
Copper	D	ug/L	NA	NA	NA	NA	**17**	NA	**6.4**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	NA	NA	NA	< 1.8	NA	NA	NA	NA	NA	**9 B**	**6.5 B**	NA	NA	NA	NA	NA	< 10 U	< 10 U	< 10 U	< 10 U
Iron	D	ug/L	NA	NA	NA	NA	**23700**	NA	**4.8**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	**52.6 F**	**66.2 F**	< 85	< 85	NA	NA	NA	NA	NA	**20300**	**22900**	**30481**	**40623**	**36146**	**25440 J**	**24516**	**35118 M**	**35560 M**	**41553 J**	**50822**
Lead	D	ug/L	NA	NA	NA	NA	< 5	NA	< 0.91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	ug/L	< 1 U	< 1 U	< 0.70	< 0.70	NA	NA	NA	NA	NA	< 2.1 U	< 2.1 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U
Magnesium	D	ug/L	NA	NA	NA	NA	**29200**	NA	**230**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	**16400**	**16400**	**22000**	**18000**	NA	NA	NA	NA	NA	**7380 J**	**13300 J**	**16324**	**24684**	**25093**	**21627**	**25718**	**23686 M**	**23992 M**	**26085**	**21215**
Manganese	D	ug/L	NA	NA	NA	NA	**297**	NA	**23400**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	< 10 U	< 10 U	**1.3**	< 0.95	NA	NA	NA	NA	NA	**671**	**644**	**1089**	**1295**	**1116**	**605 B**	**578**	**1016**	**1037**	**1077**	**2223**
Mercury	D	ug/L	NA	NA	NA	NA	NA	NA	< 0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	NA	NA	NA	< 0.080	NA	NA	NA	NA	NA	< 0.1 U	< 0.1 U	NA	NA	NA	NA	NA	< 1 UM	< 1 UM	NA	NA
Nickel	D	ug/L	NA	NA	NA	NA	< 40	NA	**176**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	NA	NA	NA	< 1.0	NA	NA	NA	NA	NA	**3.3 B**	< 2.7 U	NA	NA	NA	NA	NA	< 10 U	< 10 U	RU	< 20 U
Potassium	D	ug/L	NA	NA	NA	NA	**32100**	NA	**28500**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	**2000**	**1970**	**2500**	**2100**	NA	NA	NA	NA	NA	**2600 J**	**4250 J**	**4378 J**	**7068 J**	**6991 J**	**5978**	**5536**	**4473**	**4532**	**5698**	**4430**
Selenium	D	ug/L	NA	NA	NA	NA	< 5	NA	**21**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	NA	NA	NA	< 2.0	NA	NA	NA	NA	NA	< 9.9 U	< 9.9 U	NA	NA	NA	NA	NA	< 30 U	< 30 U	< 30 U	< 30 U
Silver	D	ug/L	NA	NA	NA	NA	NA	NA	< 4.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	NA	NA	NA	< 0.10	NA	NA	NA	NA	NA	< 0.9 U	< 0.9 U	NA	NA	NA	NA	NA	< 10 U	< 10 U	< 10 U	< 10 U
Sodium	D	ug/L	NA	NA	NA	NA	**33900**	NA	**21600**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	**123000**	**122000**	**130000**	**130000**	NA	NA	NA	NA	NA	**12600 J**	**27700 J**	**23451**	**60251**	**59500**	**64881**	**62725 M**	**45926 M**	**46445 M**	**55025 M**	**44473**
Thallium	D	ug/L	NA	NA	NA	NA	NA	NA	< 2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	NA	NA	NA	< 0.20	NA	NA	NA	NA	NA	< 4.3 U	< 4.3 U	NA	NA	NA	NA	NA	**11.3 F**	**11.4 F**	**10.5 F**	**25.8 F**
Vanadium	D	ug/L	NA	NA	NA	NA	**13**	NA	< 2.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	NA	NA	NA	< 2.0	NA	NA	NA	NA	NA	**1.6 B**	**1.5 B**	NA	NA	NA	NA	NA	< 10 U	< 10 U	< 10 U	< 10 U
Zinc	D	ug/L	NA	NA	NA	NA	**13**	NA	**20**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	NA	NA	NA	< 8.0	NA	NA	NA	NA	NA	**18.4**	**12.2**	NA	NA	NA	NA	NA	**6.3 F**	< 10 U	**2.9 F**	**4.6 F**
Total Recoverable Phenolics	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.005 UJ	< 0.005 UJ	NA	NA	NA	NA	NA	< 0.005 UM	**0.0146 M**	NA	NA
VOCs																						
1,1,1-Trichloroethane	N	ug/L	NA	NA	NA	< 0.40	NA	NA	< 5 [< 0.3]	< 1	< 1	< 1 U	< 1 U	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	NA
1,1,2,2-Tetrachloroethane	N	ug/L	NA	NA	NA	< 0.80	NA	NA	< 5 [< 0.3]	< 1	< 1	< 1 U	< 1 U	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	NA
1,1,2-trichloro-1,2,2-trifluoroethane	N	ug/L	NA	NA	NA	< 1.6	NA	NA	< 1	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	NA
1,1,2-Trichloroethane	N	ug/L	NA	NA	NA	< 0.80	NA	NA	< 5 [< 0.2]	< 1	< 1	< 1 U	< 1 U	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	NA
1,1-Dichloroethane	N	ug/L	NA	NA	NA	< 0.80	NA	NA	< 5 [< 0.4]	**1**	**1**	< 1 U	< 1 U	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	NA
1,1-Dichloroethene	N	ug/L	NA	NA	NA	< 0.80	NA	NA	< 5 [< 0.3]	< 1	**1**	< 1 U	< 1 U	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	NA
1,2,3-Trichloropropane	N	ug/L	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA	< 1 U	< 1 U	NA	NA	NA	NA	NA	< 1 U	< 1 U	NA	NA
1,2,3-Trimethylbenzene	N	ug/L	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	N	ug/L	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	NA
1,2,4-Trimethylbenzene	N	ug/L	NA	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	N	ug/L	NA	NA	NA	< 1.6	NA	NA	NA	NA	NA	< 1 U	< 1 U	NA	NA	NA	NA	NA	< 1 U	< 1 U	NA	NA
1,2-Dibromoethane	N	ug/L	NA	NA	NA	< 0.40	NA	NA	NA	NA	NA	< 1 U	< 1 U	NA	NA	NA	NA	NA	< 1 U	< 1 U	NA	NA
1,2-Dichlorobenzene	N	ug/L	NA	NA	NA	< 0.40	NA	NA	< 1	NA	NA	< 1 U	< 1 U	NA	NA	NA	NA	NA	**0.34 F**	**0.28 F**	NA	NA
1,2-Dichloroethane	N	ug/L	NA	NA	NA	< 0.40	NA	NA	**< 5 [0.4]**	< 1	< 1	< 1 U	< 1 U	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	NA
1,2-Dichloroethene, Total	N	ug/L	NA	NA	NA	NA	< 5	< 5	**< 5 [0.6]**	< 1	< 1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	N	ug/L	NA	NA	NA	< 0.40	< 5	< 5	< 5 [< 0.2]	< 1	< 1	< 1 U	< 1 U	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	NA
1,3,5-Trimethylbenzene	N	ug/L	NA	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	N	ug/L	NA	NA	NA	< 0.40	NA	NA	< 1	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	NA
1,3-Dichloropropane	N	ug/L	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	N	ug/L	NA	NA	NA	< 0.40	NA	NA	< 1	NA	NA	**0.74 J**	**0.8 J**	NA	NA	NA	NA	NA	**1.85**	**1.56**	NA	NA
1,4-Dioxane	N	ug/L	NA	NA	NA	< 160	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	N	ug/L	NA	NA	NA	< 4.0	**36**	< 10	**70**	< 2	< 2	NA	NA	NA	NA	NA	NA	NA	< 5 UM	< 5 UM	NA	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-002	MW-23-002	MW-23-002	MW-23-002	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003
		Sample Date	7/6/2015	7/6/2015	8/24/2017	7/31/2018	12/7/1987	8/10/1988	1/13/1989	9/18/1991	9/18/1991	5/1/2001	5/1/2001	6/27/2001	9/27/2001	9/27/2001	12/12/2001	3/20/2002	6/20/2002	6/20/2002	9/25/2002	12/17/2002
		Sample Type	N	FD	N	N	N	N	N	N	FD	N	FD	N	N	FD	N	N	N	FD	N	N
Chemical	**Fraction**	**Unit**																				
2-Chloroethyl vinyl ether	N	ug/L	NA	NA	NA	NA	NA	NA	< 0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	N	ug/L	NA	NA	NA	< 3.2	< 10	< 10	< 10	< 2	< 2	< 2 U	< 2 U	NA	NA	NA	NA	NA	< 5 U	< 5 U	NA	NA
Acetone	N	ug/L	NA	NA	NA	**5.1**	< 10	< 10	< 10	< 2	< 2	NA	NA	NA	NA	NA	NA	NA	< 10 UM	< 10 UM	NA	NA
Acrylonitrile	N	ug/L	NA	NA	NA	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5 U	< 5 U	NA	NA
Benzene	N	ug/L	NA	NA	NA	< 0.40	**13**	< 5	**14**	**10**	< 1	**0.32 J**	**0.36 J**	NA	NA	NA	NA	NA	**1.35**	**1.12**	NA	NA
Bromochloromethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1 U	< 1 U	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	NA
Bromodichloromethane	N	ug/L	NA	NA	NA	< 0.40	< 5	< 5	< 5 [< 0.4]	< 1	< 1	< 1 U	< 1 U	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	NA
Bromoform	N	ug/L	NA	NA	NA	< 0.40	NA	NA	< 5 [< 0.5]	< 1	< 1	< 1 U	< 1 U	NA	NA	NA	NA	NA	< 1 U	< 1 U	NA	NA
Bromomethane	N	ug/L	NA	NA	NA	< 0.80	NA	NA	< 10 [< 0.5]	< 2	< 2	< 2 U	< 2 U	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	NA
Carbon Disulfide	N	ug/L	NA	NA	NA	< 1.6	NA	NA	< 5	< 1	< 1	< 1 U	< 1 U	NA	NA	NA	NA	NA	< 5 U	< 5 U	NA	NA
Carbon Tetrachloride	N	ug/L	NA	NA	NA	< 0.40	NA	NA	< 5 [< 0.3]	< 1	< 1	< 1 U	< 1 U	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	NA
CFC-11	N	ug/L	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA	< 1 U	< 1 U	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	NA
CFC-12	N	ug/L	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	NA
Chlorobenzene	N	ug/L	NA	NA	NA	< 0.40	**1.4**	< 5	**1 [< 0.4]**	**6**	**7**	**1.1**	**1.3**	NA	NA	NA	NA	NA	**2.75**	**2.36**	NA	NA
Chlorodibromomethane	N	ug/L	NA	NA	NA	< 0.40	NA	NA	< 5 [< 0.4]	< 1	< 1	< 1 U	< 1 U	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	NA
Chloroethane	N	ug/L	NA	NA	NA	< 1.6	NA	NA	**< 10 [0.7]**	< 2	< 2	< 2 U	< 2 U	NA	NA	NA	NA	NA	**0.42 F**	**0.46 F**	NA	NA
Chloroform	N	ug/L	NA	NA	NA	**0.16**	< 5	< 5	< 5 [< 0.2]	< 1	< 1	< 1 U	< 1 U	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	NA
Chloromethane	N	ug/L	NA	NA	NA	< 0.80	NA	NA	< 10 [< 0.5]	< 2	< 2	< 2 U	< 2 U	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	NA
cis-1,2-Dichloroethene	N	ug/L	NA	NA	NA	< 0.40	NA	NA	NA	NA	NA	< 1 U	< 1 U	NA	NA	NA	NA	NA	**0.46 F**	**0.45 F**	NA	NA
cis-1,3-Dichloropropene	N	ug/L	NA	NA	NA	< 0.40	NA	NA	< 5 [< 0.3]	< 1	< 1	< 1 U	< 1 U	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	NA
Cyclohexane	N	ug/L	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	NA
Dibromomethane	N	ug/L	NA	NA	NA	< 0.40	NA	NA	NA	NA	NA	< 1 U	< 1 U	NA	NA	NA	NA	NA	< 1 U	< 1 U	NA	NA
Dichloromethane	N	ug/L	NA	NA	NA	< 0.80	**2**	**3**	< 5 [< 1]	< 1	< 1	< 1 U	< 1 U	NA	NA	NA	NA	NA	< 1 U	< 1 U	NA	NA
Ethylbenzene	N	ug/L	NA	NA	NA	< 0.40	**35**	< 5	**13**	**20**	**28**	< 1 U	< 1 U	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	NA
Isopropylbenzene	N	ug/L	NA	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.07 F**	**0.06 F**	NA	NA
m&p-Xylenes	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	N	ug/L	NA	NA	NA	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5 U	< 5 U	NA	NA
Methyl N-Butyl Ketone (2-Hexanone)	N	ug/L	NA	NA	NA	< 4.0	< 10	< 10	< 10	< 2	< 2	< 2 U	< 2 U	NA	NA	NA	NA	NA	< 5 U	< 5 U	NA	NA
Methylcyclohexane	N	ug/L	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	NA
Methyl-tert-butylether	N	ug/L	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA	< 1 U	< 1 U	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	NA
n-Butylbenzene	N	ug/L	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	N	ug/L	NA	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenolics	N	mg/L	NA	NA	NA	**0.0092**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	N	ug/L	NA	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	N	ug/L	NA	NA	NA	< 0.40	NA	NA	< 5	< 1	< 1	< 1 U	< 1 U	NA	NA	NA	NA	NA	< 1 U	< 1 U	NA	NA
tert-Butylbenzene	N	ug/L	NA	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	N	ug/L	NA	NA	NA	< 0.40	< 5	< 5	< 5 [< 0.2]	< 1	< 1	< 1 U	< 1 U	NA	NA	NA	NA	NA	< 1 U	< 1 U	NA	NA
Toluene	N	ug/L	NA	NA	NA	< 0.40	**3.2**	< 5	**2**	**1**	**2**	< 1 U	< 1 U	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	NA
Total Xylenes	N	ug/L	NA	NA	NA	< 0.80	**63**	**8**	**72**	**27**	**35**	< 1 U	< 1 U	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	NA
trans-1,2-Dichloroethene	N	ug/L	NA	NA	NA	< 0.40	NA	NA	NA	NA	NA	< 1 U	< 1 U	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	NA
trans-1,3-Dichloropropene	N	ug/L	NA	NA	NA	< 0.40	NA	NA	< 5 [< 0.3]	< 1	< 1	< 1 U	< 1 U	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	NA
trans-1,4-Dichloro-2-butene	N	ug/L	NA	NA	NA	< 1.6	NA	NA	NA	NA	NA	< 1 U	< 1 U	NA	NA	NA	NA	NA	< 5 U	< 5 U	NA	NA
Trichloroethene	N	ug/L	NA	NA	NA	< 0.40	< 5	< 5	< 5 [< 0.5]	< 1	< 1	< 1 U	< 1 U	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	NA
Vinyl acetate	N	ug/L	NA	NA	NA	< 2.0	NA	NA	< 10	< 2	< 2	< 4 U	< 4 U	NA	NA	NA	NA	NA	< 5 U	< 5 U	NA	NA
Vinyl chloride	N	ug/L	NA	NA	NA	< 0.20	**16**	**29**	**31 [17]**	**11**	**16**	**0.37 J**	**0.42 J**	NA	NA	NA	NA	NA	**1.09**	**1**	NA	NA
Leachate Indicators																						
Ammonia Nitrogen	N	mg/L	NA	NA	NA	**0.035**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromide	N	mg/L	NA	NA	NA	**0.11**	< 1	NA	NA	NA	NA	< 0 U	< 0 U	NA	NA	NA	NA	NA	< 0 U	< 0 U	NA	NA
Chloride	N	mg/L	NA	NA	NA	**190**	**35**	NA	NA	NA	NA	**14.5**	**16.2**	NA	NA	NA	NA	NA	**84.7 J**	**152 J**	NA	NA
Fluoride (F-, Anion)	N	mg/L	NA	NA	NA	NA	**0.17**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	N	mg/L	NA	NA	NA	**2.3**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	N	mg/L	NA	NA	NA	**34**	**1.6**	NA	NA	NA	NA	**5.72**	**5.65**	NA	NA	NA	NA	NA	**13.5**	**12.3**	NA	NA
Total Kjeldahl Nitrogen	N	mg/L	NA	NA	NA	< 0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorus as PO4	N	mg/L	NA	NA	NA	NA	**0.4**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity	N	mg/L	NA	NA	NA	**160**	NA	NA	NA	NA	NA	< 0 U	< 0 U	NA	NA	NA	NA	NA	**347 S**	**346 S**	NA	NA
Alkalinity (as CaCO3)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	**117 J**	**211 J**	NA	NA	NA	NA	NA	**333 B**	**364 B**	NA	NA
Alkalinity, Bicarbonate	N	mg/L	NA	NA	NA	**160**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Carbonate	N	mg/L	NA	NA	NA	< 5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Hydroxide	N	mg/L	NA	NA	NA	< 5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Biological Oxygen Demand	N	mg/L	NA	NA	NA	< 0.59	NA	NA	NA	NA	NA	**12**	**12**	NA	NA	NA	NA	NA	**17.6**	**17.1**	NA	NA
Carbon	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CBOD	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chemical Oxygen Demand	N	mg/L	NA	NA	NA	**4.7**	NA	NA	NA	NA	NA	**32**	**37**	NA	NA	NA	NA	NA	**25 B**	**27.5 B**	NA	NA
Color	N	COLOR UNIT	NA	NA	NA	NA	NA	NA	NA	NA	NA	10	< 0 U	NA	NA	NA	NA	NA	100 B	90 B	NA	NA
Color	N	PCU	NA	NA	NA	< 5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	N	ug/L	NA	NA	NA	**2**	NA	NA	NA	NA	NA	< 0 U	< 0 U	NA	NA	NA	NA	NA	< 0 U	< 0 U	NA	NA
Hardness (as CaCO3)	N	mg/L	NA	NA	NA	**240**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	N	PH UNITS	NA	NA	NA	NA	NA	NA	5.5 [5 [5]	6.4 [6.4 [6.4]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids	N	mg/L	NA	NA	NA	**550**	**520**	NA	NA	NA	NA	**170**	**190**	NA	NA	NA	NA	NA	**587 SB**	**501 SB**	NA	NA
Total Dissolved Solids	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	**6.6 J**	**7.5 J**	NA	NA	NA	NA	NA	**4.31 S**	**3.82 S**	NA	NA
Total Organic Carbon 2	N	mg/L	NA	NA	NA	< 0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003
		Sample Date	3/19/2003	6/23/2003	9/24/2003	9/24/2003	1/14/2004	1/14/2004	3/24/2004	3/24/2004	6/29/2004	6/29/2004	9/23/2004	9/23/2004	12/16/2004	12/16/2004	3/29/2005	3/29/2005	6/28/2005	12/15/2005	12/15/2005	6/28/2006
		Sample Type	N	N	N	FD	N	FD	N	FD	N	FD	N	FD	N	FD	N	FD	N	N	FD	N
Chemical	**Fraction**	**Unit**																				
Metals																						
Aluminum	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	NA	NA	**764 M**	**747 M**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**20 F**	**30 F**	NA	**49.8 F**	**403**	NA
Antimony	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	NA	NA	< 50 U	< 50 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 50 U	< 50 U	NA	< 50 U	< 50 U	NA
Arsenic	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	ug/L	NA	NA	**18.9 F**	**16.9 F**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**7 F**	**7 F**	NA	**7.14 F**	**8.11 F**	NA
Barium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	ug/L	NA	NA	**46.7 F**	**46.7 F**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**49.8 F**	**48.6 F**	NA	**36 F**	**52.7**	NA
Beryllium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	NA	NA	< 4 U	< 4 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4 U	< 4 U	NA	< 4 U	< 4 U	NA
Boron	T	ug/L	NA	NA	**59.3 F**	**48.3 F**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**39 F**	**36 F**	NA	NA	NA	NA
Cadmium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	ug/L	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	**0.29 F**	< 5 U	< 5 U	< 5 U
Calcium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	**99132 M**	**85699 M**	**107238**	**106942**	**111105**	**108747**	**91449**	**79980**	**92745 M**	**101962 M**	**105907 M**	**89765 M**	**111821 M**	**117721 M**	**109300 M**	**108100 M**	**65000 M**	**78400**	**93100**	**88700**
Chromium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	ug/L	NA	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**2 F**	**2 F**	NA	**2.24 F**	**5.02 F**	NA
Chromium VI	D	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium VI	T	mg/L	NA	NA	**0.025 M**	**0.062 M**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	**0.01**	**0.011**	NA
Cobalt	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	NA	NA	< 60 U	< 60 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 60 U	< 60 U	NA	< 60 U	< 60 U	NA
Copper	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	NA	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA	< 10 U	< 10 U	NA
Iron	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	**36175 J**	**48707**	**36937**	**36322**	**35357**	**39095**	**41806**	**45177**	**56047**	**52519**	**48856**	**59052**	**54875 J**	**52563 J**	**63728**	**64262**	**42000 M**	**45500**	**48400**	**45200**
Lead	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	ug/L	**3.1 F**	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	**6.2 F**	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	**1 F**	< 25 U	**2.77 F**	< 25 U
Magnesium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	**20741 M**	**18682 M**	**24132**	**23862**	**24502**	**24755**	**19846 M**	**17494 M**	**21091**	**23794**	**23692**	**20030**	**22854**	**24029**	**22360**	**21870**	**11000**	**14600**	**17100**	**17000**
Manganese	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	**1106**	**1090**	**904**	**873**	**847**	**970**	**980**	**999**	**1055**	**1072**	**1073**	**1159**	**1301**	**1290**	**1383**	**1348**	**1100**	**1130**	**1210**	**1070**
Mercury	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	NA	NA	< 1 U	< 1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.02 F**	**0.02 F**	NA	< 1 U	< 1 U	NA
Nickel	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	NA	NA	< 20 U	< 20 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20 U	< 20 U	NA	< 20 U	**1.68 F**	NA
Potassium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	**3756**	**3514**	**3982**	**4030**	**3985**	**4057**	**3637**	**3442**	**3056**	**3162**	**2912**	**2825**	**3885 J**	**4067 J**	**3970**	**3820**	**2600**	**3520 J**	**4600 J**	**2890**
Selenium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	NA	NA	**13.6 F**	**12.4 F**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 30 U	**2 F**	NA	< 30 U	**2.88 F**	NA
Silver	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	NA	NA	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**1 F**	**1 F**	NA	< 10 U	< 10 U	NA
Sodium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	**78268 M**	**44615 M**	**76246**	**77727**	**64816**	**60302**	**31112 M**	**20158 M**	**15000 J**	**20376 J**	**21298 M**	**14327 M**	**33569 M**	**36369 M**	**24880**	**22440**	**7600 M**	**18700 J**	**36100 J**	**28200**
Thallium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	NA	NA	< 80 U	< 80 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 80 U	< 80 U	NA	< 80 U	< 80 U	NA
Vanadium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	NA	NA	**4.6 F**	**3.4 F**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	NA	< 10 U	**1.78 F**	NA
Zinc	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	NA	NA	**13 F**	**11 F**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**14 F**	**12 F**	NA	**315 J**	**139 J**	NA
Total Recoverable Phenolics	N	mg/L	NA	NA	**0.0124 J**	**0.0089 J**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.0057**	< 0.005 U	NA	< 0.005 U	< 0.005 U	NA
VOCs																						
1,1,1-Trichloroethane	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA
1,1,2,2-Tetrachloroethane	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA
1,1,2-trichloro-1,2,2-trifluoroethane	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA
1,1,2-Trichloroethane	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA
1,1-Dichloroethane	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA
1,1-Dichloroethene	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA
1,2,3-Trichloropropane	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA
1,2,3-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA
1,2,4-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	N	ug/L	NA	NA	< 1 U	< 1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1 U	< 1 U	NA	< 1 U	< 1 U	NA
1,2-Dibromoethane	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA
1,2-Dichlorobenzene	N	ug/L	NA	NA	**0.28 F**	**0.28 F**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.51**	**0.45 F**	NA	**0.17 F**	**0.17 F**	NA
1,2-Dichloroethane	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA
1,2-Dichloroethene, Total	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA
1,3,5-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA
1,3-Dichloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	N	ug/L	NA	NA	**1.53**	**1.51**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**2.09**	**1.92**	NA	**0.88**	**0.94**	NA
1,4-Dioxane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	N	ug/L	NA	NA	< 5 U	< 5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5 U	< 5 U	NA	R	R	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003
		Sample Date	3/19/2003	6/23/2003	9/24/2003	9/24/2003	1/14/2004	1/14/2004	3/24/2004	3/24/2004	6/29/2004	6/29/2004	9/23/2004	9/23/2004	12/16/2004	12/16/2004	3/29/2005	3/29/2005	6/28/2005	12/15/2005	12/15/2005	6/28/2006
		Sample Type	N	N	N	FD	N	FD	N	FD	N	FD	N	FD	N	FD	N	FD	N	N	FD	N
Chemical	**Fraction**	**Unit**																				
2-Chloroethyl vinyl ether	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	N	ug/L	NA	NA	< 5 U	< 5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5 U	< 5 U	NA	< 5 U	< 5 U	NA
Acetone	N	ug/L	NA	NA	< 5 U	< 5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5 U	< 5 U	NA	< 5 U	< 5 U	NA
Acrylonitrile	N	ug/L	NA	NA	< 5 U	< 5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4 U	< 4 U	NA	< 4 U	< 4 U	NA
Benzene	N	ug/L	NA	NA	**1.53**	**1.53**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.98 J**	**0.68 J**	NA	**0.48 F**	**0.48 F**	NA
Bromochloromethane	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA
Bromodichloromethane	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA
Bromoform	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA
Bromomethane	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA
Carbon Disulfide	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA
Carbon Tetrachloride	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA
CFC-11	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA
CFC-12	N	ug/L	NA	NA	**0.96**	**0.92**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA
Chlorobenzene	N	ug/L	NA	NA	**5.96**	**5.77**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**6.55 J**	**4.4 J**	NA	**1.03**	**1.1**	NA
Chlorodibromomethane	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA
Chloroethane	N	ug/L	NA	NA	**0.48 F**	**0.44 F**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.79**	**0.81**	NA	**0.65 M**	**0.96 M**	NA
Chloroform	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA
Chloromethane	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA
cis-1,2-Dichloroethene	N	ug/L	NA	NA	**0.45 F**	**0.43 F**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.34 F**	**0.3 F**	NA	**0.14 F**	**0.15 F**	NA
cis-1,3-Dichloropropene	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA
Cyclohexane	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA
Dibromomethane	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA
Dichloromethane	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA
Ethylbenzene	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA
Isopropylbenzene	N	ug/L	NA	NA	**0.08 F**	**0.08 F**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.13 F**	**0.11 F**	NA	< 0.5 U	< 0.5 U	NA
m&p-Xylenes	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	N	ug/L	NA	NA	< 5 U	< 5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5 U	< 5 U	NA	< 5 U	< 5 U	NA
Methyl N-Butyl Ketone (2-Hexanone)	N	ug/L	NA	NA	< 5 U	< 5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5 U	< 5 U	NA	< 5 U	< 5 U	NA
Methylcyclohexane	N	ug/L	NA	NA	**0.17 F**	**0.16 F**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.2 F**	**0.17 F**	NA	< 0.5 U	< 0.5 U	NA
Methyl-tert-butylether	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**2.03**	**1.77**	NA	< 0.5 U	< 0.5 U	NA
n-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenolics	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA
tert-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA
Toluene	N	ug/L	NA	NA	**0.22 F**	**0.22 F**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.1 F**	< 0.5 U	NA	**0.16 F**	**0.19 F**	NA
Total Xylenes	N	ug/L	NA	NA	< 1.5 U	< 1.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.37 F**	**0.3 F**	NA	**0.2 F**	**0.23 F**	NA
trans-1,2-Dichloroethene	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA
trans-1,3-Dichloropropene	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA
trans-1,4-Dichloro-2-butene	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2 U	< 2 U	NA	< 2 U	< 2 U	NA
Trichloroethene	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA
Vinyl acetate	N	ug/L	NA	NA	< 5 U	< 5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2 U	< 2 U	NA	R	R	NA
Vinyl chloride	N	ug/L	NA	NA	**2.07**	**2.04**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**1.41**	**1.37**	NA	**1.14**	**1.19**	NA
Leachate Indicators																						
Ammonia Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromide	N	mg/L	NA	NA	< 0 U	< 0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0 U	< 0 U	NA	< 0 UM	< 0 UM	NA
Chloride	N	mg/L	NA	NA	**129 J**	**190 J**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**45.81 M**	**25.89 M**	NA	**30 M**	**39 M**	NA
Fluoride (F-, Anion)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	N	mg/L	NA	NA	**17.3**	**16.9**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**5.05**	**5.39**	NA	**4.1 J**	**5.2 J**	NA
Total Kjeldahl Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorus as PO4	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity	N	mg/L	NA	NA	**344 B**	**346 B**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**430**	**376**	NA	**260**	**280**	NA
Alkalinity (as CaCO3)	N	mg/L	NA	NA	**545 B**	**554 B**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**392**	**412**	NA	**250 B**	**290 B**	NA
Alkalinity, Bicarbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Carbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Hydroxide	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Biological Oxygen Demand	N	mg/L	NA	NA	**13.38 B**	**14.8 B**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**14.5**	**12**	NA	**5.2 J**	**5.4 J**	NA
Carbon	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**6.04 B**	**6.53 B**	NA
CBOD	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chemical Oxygen Demand	N	mg/L	NA	NA	< 0 U	< 0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**19.7 J**	**38 J**	NA	**25 J**	**33 J**	NA
Color	N	COLOR UNIT	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	25 J	35 J	NA	15 J	20 J	NA
Color	N	PCU	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	N	ug/L	NA	NA	< 0 U	< 0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0 U	< 0 U	NA	< 1 U	< 1 U	NA
Hardness (as CaCO3)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	N	PH UNITS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids	N	mg/L	NA	NA	**563 S**	**528 S**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**542**	**480**	NA	**370**	**360**	NA
Total Dissolved Solids	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	NA	NA	**6.11 J**	**7.51 J**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**7.1**	**6.9**	NA	NA	NA	NA
Total Organic Carbon 2	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-004	MW-23-004
		Sample Date	1/4/2007	1/4/2007	7/12/2007	12/4/2007	12/4/2007	6/25/2009	12/10/2009	6/21/2010	6/21/2010	12/8/2010	6/23/2011	12/15/2011	6/20/2012	6/26/2013	6/19/2014	7/8/2015	8/24/2017	7/31/2018	8/10/1988	1/10/1989
		Sample Type	N	FD	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**																				
Metals																						
Aluminum	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**119**
Aluminum	T	ug/L	**48.2 M**	**57.5 M**	NA	**42.6 F**	**41.6 F**	NA	**91 J**	NA	NA	**199**	**73.3 F**	**3410**	NA	< 200 U	NA	NA	NA	< 70	NA	NA
Antimony	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 43
Antimony	T	ug/L	< 50 U	< 50 U	NA	< 50 U	< 50 U	NA	**0.41 F**	NA	NA	**1.82**	< 1 U	< 1 U	NA	< 1 U	NA	NA	NA	< 1.0	NA	NA
Arsenic	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**2.7**
Arsenic	T	ug/L	**6.05 F**	**6.08 F**	NA	**5.11 F**	**5.56 F**	NA	**6.8**	NA	NA	**5.89 M**	**4.88 J**	**5.67**	NA	**6.13 J**	NA	NA	NA	**4.1**	NA	NA
Barium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**172**
Barium	T	ug/L	**44.7 F**	**44.3 F**	NA	**42.4 F**	**41.2 F**	NA	**52**	NA	NA	**40**	**22.5 B**	**61.5**	NA	**27.7**	NA	NA	NA	**38**	NA	NA
Beryllium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.1
Beryllium	T	ug/L	< 4 U	< 4 U	NA	< 4 U	< 4 U	NA	< 1 U	NA	NA	< 2 U	< 2 U	**1.47 F**	NA	< 2 U	NA	NA	NA	< 0.30	NA	NA
Boron	T	ug/L	**22.9 F**	**24.9 F**	NA	**26.9 F**	**26.4 F**	NA	**37**	NA	NA	**164**	**121 B**	**181**	NA	< 100 U	NA	NA	NA	< 15	NA	NA
Cadmium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4.3
Cadmium	T	ug/L	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 1 U	**0.08 F**	NA	< 0.6 U	< 0.6 U	< 0.6 U	< 0.6 U	< 0.6 U	< 0.6 U	< 0.6 U	< 0.6 U	< 1.0	< 1.0	NA	NA
Calcium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**28500**
Calcium	T	ug/L	**102000**	**102000**	**89700 M**	**106000**	**103000**	**87000**	**100000 M**	**75700 M**	NA	**111000 M**	**58700 B**	NA	**98000 M**	**47100 M**	**68100 M**	**80000 M**	**100000**	**110000**	NA	NA
Chromium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5
Chromium	T	ug/L	**3.28 F**	**5.27 F**	NA	**2.96 F**	**3.69 F**	NA	**0.62 F**	NA	NA	**2.35 M**	NA	**3.63**	NA	< 2 UM	< 2 UJ	< 2 U	< 1.8	< 1.8	NA	NA
Chromium VI	D	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.005 U	NA	< 0.01 U	NA	< 0.01 U	NA	NA	NA	NA	NA	NA
Chromium VI	T	mg/L	< 0.01 U	< 0.01 U	NA	< 0.01 U	< 0.01 U	NA	< 0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.010	NA	NA
Cobalt	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**6.4**
Cobalt	T	ug/L	< 60 U	< 60 U	NA	< 60 U	< 60 U	NA	**1.1**	NA	NA	**0.754 M**	**4.39 J**	**5.83**	NA	**1.32 J**	NA	NA	NA	**1.1**	NA	NA
Copper	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**4.8**
Copper	T	ug/L	< 10 U	< 10 U	NA	< 10 U	< 10 U	NA	**5.7**	NA	NA	**5.91**	**4.82 J**	< 5 U	NA	< 5 U	NA	NA	NA	< 1.8	NA	NA
Iron	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**230**
Iron	T	ug/L	**44300**	**44900**	**37400 M**	**43700**	**42600**	**28000 M**	**43000**	**30400 M**	NA	**42800 M**	**34900 M**	**65500**	**58800 M**	**31600 M**	**47900**	**46700**	**41000**	**41000**	NA	NA
Lead	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.91
Lead	T	ug/L	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 2 U	**0.55 F**	NA	**1.61**	**1.92**	< 1 U	**1.32**	< 1 U	< 1 U	< 1 U	< 1 U	< 0.70	< 0.70	NA	NA
Magnesium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**9900**
Magnesium	T	ug/L	**20100**	**20200**	**17200**	**19300**	**18900**	**15000**	**21000**	**13400 M**	NA	**18000**	**9210 B**	**18500**	**18200 M**	**10300**	**14200 M**	**17300**	**18000**	**20000**	NA	NA
Manganese	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**110**
Manganese	T	ug/L	**1190**	**1210**	**1220 M**	**1640**	**1600**	**2400 M**	**2900**	**1400 M**	NA	**1900 M**	**1250**	**1540**	**1710 M**	**580 J**	**769**	**1080**	**1700**	**1800**	NA	NA
Mercury	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.2
Mercury	T	ug/L	< 1 U	< 1 U	NA	< 1 U	< 1 U	NA	< 0.2 U	NA	NA	< 0.2 U	< 0.2 U	< 0.2 U	NA	< 0.2 U	NA	NA	NA	< 0.080	NA	NA
Nickel	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 24
Nickel	T	ug/L	**2.3 F**	**2.3 F**	NA	< 20 U	**1.15 F**	NA	**2.8**	NA	NA	**3.04 M**	**2.71 M**	**4.59**	NA	**3.21 M**	NA	NA	NA	**0.99**	NA	NA
Potassium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2360
Potassium	T	ug/L	**3490 J**	**3570 J**	**2360 J**	**3110**	**3050**	**2700**	**2900**	**1690 M**	NA	**2770**	**1750 B**	**4200**	**4520**	**2930**	**3140 M**	**3880**	**3000**	**2700**	NA	NA
Selenium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**10**
Selenium	T	ug/L	< 30 U	< 30 U	NA	< 30 U	< 30 U	NA	**0.6 F**	NA	NA	**0.57 F**	< 1 U	**0.602 F**	NA	< 1 U	NA	NA	NA	< 2.0	NA	NA
Silver	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4.3
Silver	T	ug/L	< 10 U	< 10 U	NA	< 10 U	< 10 U	NA	< 1 UM	NA	NA	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA	NA	NA	< 0.10	NA	NA
Sodium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**6500**
Sodium	T	ug/L	**59700**	**59400**	**54000 M**	**94600**	**92000**	**100000 M**	**110000**	**62600 M**	NA	**75000 M**	**28800 B**	**60700**	**52500 M**	**7420**	**10800**	**25000**	**94000**	**76000**	NA	NA
Thallium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2
Thallium	T	ug/L	< 80 U	< 80 U	NA	< 80 U	< 80 U	NA	< 1 U	NA	NA	< 0.2 UM	< 0.2 U	< 0.2 U	NA	< 0.2 U	NA	NA	NA	< 0.20	NA	NA
Vanadium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**5.5**
Vanadium	T	ug/L	< 10 U	< 10 U	NA	< 10 U	**0.75 F**	NA	**1.1 F**	NA	NA	**2.01 M**	NA	**3.39**	NA	**0.587 M**	NA	NA	NA	< 2.0	NA	NA
Zinc	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**19**
Zinc	T	ug/L	**16.7 F**	**14.3 F**	NA	**29.2 J**	**44 J**	NA	**11 M**	NA	NA	**5.63 F**	**7.53 F**	**24.2**	NA	**9 F**	NA	NA	NA	**3.3**	NA	NA
Total Recoverable Phenolics	N	mg/L	< 0.005 U	< 0.005 U	NA	< 0.005 U	< 0.005 U	NA	< 0.05 UM	NA	NA	**0.0058 B**	NA	< 0.005 U	NA	**0.014**	NA	NA	NA	NA	NA	NA
VOCs																						
1,1,1-Trichloroethane	N	ug/L	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	NA	< 5 [< 0.3]
1,1,2,2-Tetrachloroethane	N	ug/L	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.80	NA	< 5 [< 0.3]
1,1,2-trichloro-1,2,2-trifluoroethane	N	ug/L	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA	< 1 U	NA	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	NA	NA	< 1.6	NA	< 1
1,1,2-Trichloroethane	N	ug/L	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.80	NA	< 5 [< 0.2]
1,1-Dichloroethane	N	ug/L	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.80	NA	< 5 [< 0.4]
1,1-Dichloroethene	N	ug/L	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.80	NA	< 5 [< 0.3]
1,2,3-Trichloropropane	N	ug/L	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.80	NA	NA
1,2,3-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.80	NA	NA
1,2,4-Trichlorobenzene	N	ug/L	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA	< 1 UJ	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.80	NA	NA
1,2,4-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.40	NA	NA
1,2-Dibromo-3-chloropropane	N	ug/L	< 1 U	< 1 U	NA	< 1 U	< 1 U	NA	< 2 U	NA	NA	< 2 U	NA	< 2 U	NA	< 2 U	NA	NA	NA	< 1.6	NA	NA
1,2-Dibromoethane	N	ug/L	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	NA	NA
1,2-Dichlorobenzene	N	ug/L	**0.28 F**	**0.28 F**	NA	**0.21 F**	**0.21 F**	NA	< 1 U	NA	NA	< 1 U	NA	**0.476 F**	NA	**0.184 F**	NA	NA	NA	**0.83**	NA	< 1
1,2-Dichloroethane	N	ug/L	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	NA	< 5 [< 0.3]
1,2-Dichloroethene, Total	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5	< 5 [< 0.5]
1,2-Dichloropropane	N	ug/L	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	< 5	< 5 [< 0.2]
1,3,5-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.40	NA	NA
1,3-Dichlorobenzene	N	ug/L	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	NA	< 1
1,3-Dichloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.80	NA	NA
1,4-Dichlorobenzene	N	ug/L	**1.6**	**1.68**	NA	**1.56**	**1.52**	NA	**1.62**	NA	NA	**1.09**	NA	**2.26**	NA	**1.31**	NA	NA	NA	**4.4**	NA	< 1
1,4-Dioxane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 160	NA	NA
2-Butanone (MEK)	N	ug/L	< 5 U	< 5 U	NA	< 5 U	< 5 U	NA	< 10 U	NA	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	NA	NA	< 4.0	< 10	< 10

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-003	MW-23-004	MW-23-004
		Sample Date	1/4/2007	1/4/2007	7/12/2007	12/4/2007	12/4/2007	6/25/2009	12/10/2009	6/21/2010	6/21/2010	12/8/2010	6/23/2011	12/15/2011	6/20/2012	6/26/2013	6/19/2014	7/8/2015	8/24/2017	7/31/2018	8/10/1988	1/10/1989
		Sample Type	N	FD	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**																					
2-Chloroethyl vinyl ether	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.4
4-Methyl-2-Pentanone	N	ug/L	< 5 U	< 5 U	NA	< 5 U	< 5 U	NA	< 10 U	NA	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	NA	NA	< 3.2	< 10	< 10
Acetone	N	ug/L	**1.18 F**	**1.14 F**	NA	< 5 U	< 5 U	NA	< 20 U	NA	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	NA	NA	**9.6**	< 10	< 10
Acrylonitrile	N	ug/L	< 4 U	< 4 U	NA	< 4 U	< 4 U	NA	< 1 U	NA	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	NA	NA	< 4.0	NA	NA
Benzene	N	ug/L	**1.35**	**1.38**	NA	**1.65**	**1.62**	NA	**1.29**	NA	NA	**0.894 F**	NA	**1.69**	NA	**0.394 F**	NA	NA	NA	**0.89**	< 5	< 5
Bromochloromethane	N	ug/L	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	NA	NA	NA
Bromodichloromethane	N	ug/L	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	< 5	< 5 [< 0.4]
Bromoform	N	ug/L	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	NA	< 5 [< 0.5]
Bromomethane	N	ug/L	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.80	NA	< 10 [< 0.5]
Carbon Disulfide	N	ug/L	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA	< 5 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 1.6	NA	< 5
Carbon Tetrachloride	N	ug/L	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	NA	< 5 [< 0.3]
CFC-11	N	ug/L	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.80	NA	NA
CFC-12	N	ug/L	< 0.5 U	< 0.5 U	NA	**0.56**	**0.51**	NA	**0.835 J**	NA	NA	< 1 U	NA	**0.991 F**	NA	< 1 UJ	NA	NA	NA	**0.74**	NA	NA
Chlorobenzene	N	ug/L	**2.04**	**2.07**	NA	**1.73**	**1.76**	NA	**2.14**	NA	NA	**1.3**	NA	**22.8**	NA	**2.37**	NA	NA	NA	**24**	< 5	< 5 [< 0.4]
Chlorodibromomethane	N	ug/L	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	NA	< 5 [< 0.4]
Chloroethane	N	ug/L	**0.41 F**	**0.48 F**	NA	**0.4 F**	**0.42 F**	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 1.6	NA	< 10 [< 0.5]
Chloroform	N	ug/L	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	< 5	< 5 [< 0.2]
Chloromethane	N	ug/L	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.80	NA	< 10 [< 0.5]
cis-1,2-Dichloroethene	N	ug/L	**0.28 F**	**0.3 F**	NA	**0.5**	**0.53**	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	**0.16**	NA	NA
cis-1,3-Dichloropropene	N	ug/L	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	NA	< 5 [< 0.3]
Cyclohexane	N	ug/L	**0.28 F**	**0.28 F**	NA	**0.14 F**	**0.17 F**	NA	< 5 U	NA	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	NA	NA	< 0.80	NA	NA
Dibromomethane	N	ug/L	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	NA	NA
Dichloromethane	N	ug/L	< 0.5 U	< 0.5 U	NA	**0.11 F**	< 0.5 U	NA	< 5 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.80	< 5	< 5 [< 1]
Ethylbenzene	N	ug/L	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	< 5	< 5
Isopropylbenzene	N	ug/L	< 0.5 U	< 0.5 U	NA	**0.1 F**	**0.11 F**	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	NA	NA
m&p-Xylenes	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	N	ug/L	R	R	NA	< 5 U	< 5 U	NA	< 5 U	NA	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	NA	NA	< 4.0	NA	NA
Methyl N-Butyl Ketone (2-Hexanone)	N	ug/L	< 5 U	< 5 U	NA	< 5 U	< 5 U	NA	< 5 U	NA	NA	< 5 U	NA	< 5	NA	< 5 U	NA	NA	NA	< 4.0	< 10	< 10
Methylcyclohexane	N	ug/L	**0.32 F**	**0.33 F**	NA	**0.25 F**	**0.28 F**	NA	< 5 U	NA	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	NA	NA	< 0.80	NA	NA
Methyl-tert-butylether	N	ug/L	**0.17 F**	**0.19 F**	NA	**0.25 F**	**0.25 F**	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.80	NA	NA
n-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.80	NA	NA
n-Propylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.40	NA	NA
o-Xylene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenolics	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.011**	NA	NA
sec-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.40	NA	NA
Styrene (Monomer)	N	ug/L	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	NA	< 5
tert-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.40	NA	NA
Tetrachloroethene	N	ug/L	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	< 5	< 5 [< 0.2]
Toluene	N	ug/L	**0.16 F**	**0.16 F**	NA	**0.14 F**	**0.12 F**	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	< 5	< 5
Total Xylenes	N	ug/L	**0.24 F**	**0.24 F**	NA	< 1.5 U	< 1.5 U	NA	< 3 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.80	< 5	< 5
trans-1,2-Dichloroethene	N	ug/L	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	NA	NA
trans-1,3-Dichloropropene	N	ug/L	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	NA	< 5 [< 0.3]
trans-1,4-Dichloro-2-butene	N	ug/L	< 2 U	< 2 U	NA	< 2 U	< 2 U	NA	< 5 U	NA	NA	< 5 UJ	NA	< 5 U	NA	< 5 U	NA	NA	NA	< 1.6	NA	NA
Trichloroethene	N	ug/L	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	< 5	< 5 [< 0.5]
Vinyl acetate	N	ug/L	R	R	NA	< 2 U	< 2 U	NA	< 5 U	NA	NA	< 5 UJ	NA	< 5 U	NA	< 5 U	NA	NA	NA	< 2.0	NA	< 10
Vinyl chloride	N	ug/L	**1.26**	**1.27**	NA	**1.86**	**1.8**	NA	**1.23**	NA	NA	**1.38**	NA	**1.65**	NA	**0.493 F**	NA	NA	NA	**1.0**	< 10	< 10 [< 0.3]
Leachate Indicators																							
Ammonia Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**1.4**	NA	NA
Bromide	N	mg/L	< 0 UM	< 0 UM	NA	**0.094 F**	**0.093 F**	NA	< 0 U	NA	NA	< 0 U	NA	< 0 U	NA	< 0.2 U	NA	NA	NA	< 0.20	NA	NA
Chloride	N	mg/L	**93 M**	**85 M**	NA	**110**	**110**	NA	**250**	NA	NA	**167 M**	NA	NA	NA	**8.45 J**	NA	NA	NA	**140**	NA	NA
Fluoride (F-, Anion)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.10	NA	NA
Sulfate	N	mg/L	**6.6 M**	**6.1 M**	NA	**11**	**11**	NA	**34 M**	NA	NA	**14.6**	NA	**7.83**	NA	**4.59**	NA	NA	NA	**27**	NA	NA
Total Kjeldahl Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**1.9**	NA	NA
Total Phosphorus as PO4	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity	N	mg/L	**390**	**370**	NA	**440**	**430**	NA	NA	NA	NA	**273 M**	NA	**353**	NA	**213**	NA	NA	NA	**300**	NA	NA
Alkalinity (as CaCO3)	N	mg/L	**350**	**340**	NA	**330**	**340**	NA	**338**	NA	NA	**360 M**	NA	**320**	NA	**198**	NA	NA	NA	NA	NA	NA
Alkalinity, Bicarbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**300**	NA	NA
Alkalinity, Carbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.0	NA	NA
Alkalinity, Hydroxide	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.0	NA	NA
Biological Oxygen Demand	N	mg/L	**6.4**	**7.6**	NA	**9.4**	**8.4**	NA	**15**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**5.7**	NA	NA
Carbon	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CBOD	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	**4.73 M**	NA	**6.06**	NA	< 0 U	NA	NA	NA	NA	NA	NA
Chemical Oxygen Demand	N	mg/L	**24**	**24**	NA	**15 J**	**11 J**	NA	**28 J**	NA	NA	**51.5 M**	NA	**27.6**	NA	**12.9 M**	NA	NA	NA	**11**	NA	NA
Color	N	COLOR UNIT	350	400	NA	180	180	NA	20	NA	NA	< 0 U	NA	20	NA	5	NA	NA	NA	NA	NA	NA
Color	N	PCU	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	100	NA	NA
Cyanide	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	N	ug/L	< 1 U	< 1 U	NA	< 1 U	< 1 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	**2.7**	NA	NA
Hardness (as CaCO3)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**340**	NA	NA
pH	N	PH UNITS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.17	NA	NA	NA	NA	NA	NA	NA	7.94 [7.85 [8]
Total Dissolved Solids	N	mg/L	**600**	**600**	NA	**630**	**640**	NA	NA	NA	NA	**410**	NA	**550**	NA	**224**	NA	NA	NA	**600**	NA	NA
Total Dissolved Solids	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	**4.6**	**4.1**	NA	**4.7**	**4.3**	NA	**7.5 M**	NA	NA	**25.8 M**	NA	**23.2**	NA	**2.94 B**	NA	NA	NA	NA	NA	NA
Total Organic Carbon 2	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**1.7**	NA	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004
		Sample Date	5/1/2001	6/27/2001	6/27/2001	10/1/2001	12/14/2001	12/14/2001	3/19/2002	6/18/2002	9/25/2002	9/25/2002	12/20/2002	12/20/2002	3/17/2003	3/17/2003	6/19/2003	6/19/2003	9/25/2003	1/13/2004	3/23/2004	6/24/2004
		Sample Type	N	N	FD	N	N	FD	N	N	N	FD	N	FD	N	FD	N	FD	N	N	N	N
Chemical	**Fraction**	**Unit**																				
Metals																						
Aluminum	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	**1890 J**	NA	NA	NA	NA	NA	NA	**1366**	**274 J**	**293 J**	**336 B**	**303 B**	NA	NA	NA	NA	**450 M**	NA	NA	NA
Antimony	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	< 4.1 U	NA	NA	NA	NA	NA	NA	**6.9 F**	**3.5 F**	< 50 U	< 50 U	< 50 U	NA	NA	NA	NA	< 50 U	NA	NA	NA
Arsenic	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	ug/L	< 4.4 U	NA	NA	NA	NA	NA	NA	< 30 U	< 30 U	< 30 U	**3.7 F**	< 30 U	NA	NA	NA	NA	< 30 U	NA	NA	NA
Barium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	ug/L	**16.8 B**	NA	NA	NA	NA	NA	NA	**18.1**	**9.15 J**	**8.99 J**	**9.8 F**	**8.6 F**	NA	NA	NA	NA	**11 F**	NA	NA	NA
Beryllium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	< 0.1 U	NA	NA	NA	NA	NA	NA	< 5 U	< 5 U	< 5 U	< 4 U	< 4 U	NA	NA	NA	NA	< 4 U	NA	NA	NA
Boron	T	ug/L	< 32.4 U	NA	NA	NA	NA	NA	NA	< 110 U	**5.5 F**	**19.2 F**	< 110 U	< 110 U	NA	NA	NA	NA	**15.2 F**	NA	NA	NA
Cadmium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	ug/L	< 0.4 U	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	**0.24 F**	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Calcium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	**37300**	**33876 M**	**31100 M**	**39961 M**	**35674 J**	**36212 J**	**37983 MJ**	**29628 MJ**	**32727 M**	**32834 M**	**34332**	**35314**	**34245 M**	**34098 M**	**33629 M**	**34925 M**	**33096**	**32824**	**33394**	**36951 M**
Chromium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	ug/L	**335**	NA	NA	NA	NA	NA	NA	**1391**	**117 J**	**201 J**	**261 J**	**39.9 J**	NA	NA	NA	NA	**312**	NA	NA	NA
Chromium VI	D	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium VI	T	mg/L	< 0.01 UJ	NA	NA	NA	NA	NA	NA	R	NA	NA	NA	NA	NA	NA	NA	NA	< 0.01 U	NA	NA	NA
Cobalt	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	**3.8 B**	NA	NA	NA	NA	NA	NA	**11.6**	< 6 U	**1.23 F**	**1.1 F**	< 60 U	NA	NA	NA	NA	**2.6 F**	NA	NA	NA
Copper	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	**12.4 B**	NA	NA	NA	NA	NA	NA	**14.4 B**	< 10 U	**1.5 F**	**4.7 F**	< 10 U	NA	NA	NA	NA	**5.1 F**	NA	NA	NA
Iron	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	**4250**	**1677**	**1958**	**1008**	**2154 J**	**1024 J**	**10659**	**7043 M**	**1024 J**	**1343 J**	**1827 J**	**750 J**	**652 J**	**421 J**	**1096 J**	**535 J**	**2272**	**680**	**1054**	**3027 J**
Lead	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	ug/L	**31.9**	**9.1 F**	**11.5 F**	**11.3 F**	**27.7**	**18.4 F**	**104**	**72.6**	**6.7 F**	**11.7 F**	**22.9 F**	**3.1 F**	**8.5 F**	**5.2 F**	**24.6 F**	**4.5 F**	**52.8**	**8 F**	**10.4 F**	**6.2 F**
Magnesium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	**12100**	**11915**	**10782**	**12708**	**11501**	**11678**	**13452**	**10418 MJ**	**11712**	**11617**	**11807**	**12138**	**11608 M**	**11582 M**	**11404 M**	**11738 M**	**11032**	**10830**	**11297 M**	**13149**
Manganese	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	**234**	**178**	**162**	**160**	**150 B**	**132 B**	**510**	**249**	**166**	**186**	**209 J**	**164 J**	**169**	**144**	**223 J**	**147 J**	**286**	**191**	**168**	**275**
Mercury	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	< 0.1 U	NA	NA	NA	NA	NA	NA	< 1 UM	NA	NA	NA	NA	NA	NA	NA	NA	< 1 U	NA	NA	NA
Nickel	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	**164**	NA	NA	NA	NA	NA	NA	**653**	**52.6 J**	**90.5 J**	**126 J**	**19.6 JF**	NA	NA	NA	NA	**134**	NA	NA	NA
Potassium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	**1800 J**	**1871 J**	**1780 J**	**1193 J**	**1780**	**1680**	**2894**	**2820**	**1322**	**1537**	**1664 J**	**1055 J**	**977 F**	**775 F**	**2103 J**	**924 J**	**4152**	**1634**	**2193**	**2327**
Selenium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	< 9.9 U	NA	NA	NA	NA	NA	NA	< 30 U	< 30 U	< 30 U	**8.8 F**	< 30 U	NA	NA	NA	NA	**7.4 F**	NA	NA	NA
Silver	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	< 0.9 U	NA	NA	NA	NA	NA	NA	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	NA	NA	NA	NA	< 10 U	NA	NA	NA
Sodium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	**4250**	**4258**	**3932**	**4085**	**3934**	**4001**	**4601 M**	**4583 MJ**	**3941 M**	**3972 M**	**4082**	**3624**	**3622 M**	**3721 M**	**4335 M**	**3469 M**	**5414**	**3878**	**4311 M**	**4415**
Thallium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	< 4.3 U	NA	NA	NA	NA	NA	NA	< 80 U	**5.3 F**	< 80 U	**7.6 F**	**7.1 F**	NA	NA	NA	NA	< 80 U	NA	NA	NA
Vanadium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	**5.3 B**	NA	NA	NA	NA	NA	NA	**7.7 F**	< 10 U	< 10 U	**5 F**	**3.6 F**	NA	NA	NA	NA	< 10 U	NA	NA	NA
Zinc	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	**34.4**	NA	NA	NA	NA	NA	NA	**15.7**	**5.6 F**	**11.3**	**6.4 F**	**3.1 F**	NA	NA	NA	NA	**14.3 F**	NA	NA	NA
Total Recoverable Phenolics	N	mg/L	< 0.005 UJ	NA	NA	NA	NA	NA	NA	< 0.005 UM	NA	NA	NA	NA	NA	NA	NA	NA	**0.0042 J**	NA	NA	NA
VOCs																						
1,1,1-Trichloroethane	N	ug/L	< 1 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
1,1,2,2-Tetrachloroethane	N	ug/L	< 1 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
1,1,2-trichloro-1,2,2-trifluoroethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
1,1,2-Trichloroethane	N	ug/L	< 1 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
1,1-Dichloroethane	N	ug/L	< 1 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
1,1-Dichloroethene	N	ug/L	< 1 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
1,2,3-Trichloropropane	N	ug/L	< 1 U	NA	NA	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
1,2,3-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
1,2,4-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	N	ug/L	< 1 U	NA	NA	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	NA	NA	NA	NA	< 1 U	NA	NA	NA
1,2-Dibromoethane	N	ug/L	< 1 U	NA	NA	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
1,2-Dichlorobenzene	N	ug/L	< 1 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
1,2-Dichloroethane	N	ug/L	< 1 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
1,2-Dichloroethene, Total	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	N	ug/L	< 1 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
1,3,5-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
1,3-Dichloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	N	ug/L	< 1 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
1,4-Dioxane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	N	ug/L	NA	NA	NA	NA	NA	NA	NA	< 5 UM	NA	NA	NA	NA	NA	NA	NA	NA	< 5 U	NA	NA	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004
		Sample Date	5/1/2001	6/27/2001	6/27/2001	10/1/2001	12/14/2001	12/14/2001	3/19/2002	6/18/2002	9/25/2002	9/25/2002	12/20/2002	12/20/2002	3/17/2003	3/17/2003	6/19/2003	6/19/2003	9/25/2003	1/13/2004	3/23/2004	6/24/2004
		Sample Type	N	N	FD	N	N	FD	N	N	N	FD	N	FD	N	FD	N	FD	N	N	N	N
Chemical	**Fraction**	**Unit**																				
2-Chloroethyl vinyl ether	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	N	ug/L	< 2 U	NA	NA	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	NA	NA	NA	NA	< 5 U	NA	NA	NA
Acetone	N	ug/L	NA	NA	NA	NA	NA	NA	NA	< 10 UM	NA	NA	NA	NA	NA	NA	NA	NA	< 5 U	NA	NA	NA
Acrylonitrile	N	ug/L	NA	NA	NA	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	NA	NA	NA	NA	< 5 U	NA	NA	NA
Benzene	N	ug/L	< 1 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Bromochloromethane	N	ug/L	< 1 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Bromodichloromethane	N	ug/L	< 1 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Bromoform	N	ug/L	< 1 U	NA	NA	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Bromomethane	N	ug/L	< 2 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Carbon Disulfide	N	ug/L	< 1 U	NA	NA	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Carbon Tetrachloride	N	ug/L	< 1 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
CFC-11	N	ug/L	< 1 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
CFC-12	N	ug/L	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Chlorobenzene	N	ug/L	< 1 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Chlorodibromomethane	N	ug/L	< 1 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Chloroethane	N	ug/L	< 2 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Chloroform	N	ug/L	< 1 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Chloromethane	N	ug/L	< 2 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
cis-1,2-Dichloroethene	N	ug/L	< 1 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
cis-1,3-Dichloropropene	N	ug/L	< 1 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Cyclohexane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Dibromomethane	N	ug/L	< 1 U	NA	NA	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Dichloromethane	N	ug/L	< 1 U	NA	NA	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Ethylbenzene	N	ug/L	< 1 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Isopropylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
m&p-Xylenes	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	N	ug/L	NA	NA	NA	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	NA	NA	NA	NA	< 5 U	NA	NA	NA
Methyl N-Butyl Ketone (2-Hexanone)	N	ug/L	< 2 U	NA	NA	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	NA	NA	NA	NA	< 5 U	NA	NA	NA
Methylcyclohexane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Methyl-tert-butylether	N	ug/L	< 1 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
n-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenolics	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	N	ug/L	< 1 U	NA	NA	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
tert-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	N	ug/L	< 1 U	NA	NA	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Toluene	N	ug/L	< 1 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Total Xylenes	N	ug/L	< 1 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	< 1.5 U	NA	NA	NA
trans-1,2-Dichloroethene	N	ug/L	< 1 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
trans-1,3-Dichloropropene	N	ug/L	< 1 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
trans-1,4-Dichloro-2-butene	N	ug/L	< 1 U	NA	NA	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Trichloroethene	N	ug/L	< 1 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Vinyl acetate	N	ug/L	< 4 U	NA	NA	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	NA	NA	NA	NA	< 5 U	NA	NA	NA
Vinyl chloride	N	ug/L	< 2 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Leachate Indicators																						
Ammonia Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromide	N	mg/L	**0.18**	NA	NA	NA	NA	NA	NA	RU	NA	NA	NA	NA	NA	NA	NA	NA	< 0 U	NA	NA	NA
Chloride	N	mg/L	**12.5**	NA	NA	NA	NA	NA	NA	**14.1 J**	NA	NA	NA	NA	NA	NA	NA	NA	**13.1 J**	NA	NA	NA
Fluoride (F-, Anion)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	N	mg/L	**9.81**	NA	NA	NA	NA	NA	NA	**9**	NA	NA	NA	NA	NA	NA	NA	NA	**9.16**	NA	NA	NA
Total Kjeldahl Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorus as PO4	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity	N	mg/L	**95**	NA	NA	NA	NA	NA	NA	**103 S**	NA	NA	NA	NA	NA	NA	NA	NA	**106 B**	NA	NA	NA
Alkalinity (as CaCO3)	N	mg/L	**137**	NA	NA	NA	NA	NA	NA	**132 B**	NA	NA	NA	NA	NA	NA	NA	NA	**326 B**	NA	NA	NA
Alkalinity, Bicarbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Carbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Hydroxide	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Biological Oxygen Demand	N	mg/L	**6.9**	NA	NA	NA	NA	NA	NA	R	NA	NA	NA	NA	NA	NA	NA	NA	**20.46 B**	NA	NA	NA
Carbon	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CBOD	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chemical Oxygen Demand	N	mg/L	**66**	NA	NA	NA	NA	NA	NA	< 0 U	NA	NA	NA	NA	NA	NA	NA	NA	**66.04**	NA	NA	NA
Color	N	COLOR UNIT	< 0 U	NA	NA	NA	NA	NA	NA	15 B	NA	NA	NA	NA	NA	NA	NA	NA	30	NA	NA	NA
Color	N	PCU	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	N	ug/L	< 0 U	NA	NA	NA	NA	NA	NA	< 0 U	NA	NA	NA	NA	NA	NA	NA	NA	< 0 U	NA	NA	NA
Hardness (as CaCO3)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	N	PH UNITS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids	N	mg/L	**150**	NA	NA	NA	NA	NA	NA	**145 SB**	NA	NA	NA	NA	NA	NA	NA	NA	**170 S**	NA	NA	NA
Total Dissolved Solids	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	**5.7 J**	NA	NA	NA	NA	NA	NA	**0.56 SF**	NA	NA	NA	NA	NA	NA	NA	NA	**6.56 M**	NA	NA	NA
Total Organic Carbon 2	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004
		Sample Date	9/22/2004	12/15/2004	3/23/2005	3/23/2005	6/22/2005	6/22/2005	12/13/2005	12/13/2005	6/26/2006	6/26/2006	1/2/2007	1/2/2007	7/10/2007	7/10/2007	12/4/2007	12/4/2007	6/24/2009	12/7/2009	12/7/2009	6/21/2010
		Sample Type	N	N	N	FD	N	FD	N	FD	N	FD	N	FD	N	FD	N	FD	N	N	FD	N
Chemical	**Fraction**	**Unit**																				
Metals																						
Aluminum	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	NA	NA	**3980**	**4640**	NA	NA	**1080**	**927**	NA	NA	**133 M**	**72.1 M**	NA	NA	**5580**	**6390**	NA	**480 J**	**360 J**	NA
Antimony	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	NA	NA	**4 F**	**10 F**	NA	NA	< 50 U	**2.83 F**	NA	NA	**2.74 F**	< 50 U	NA	NA	< 50 U	< 50 U	NA	< 2 U	**0.56 F**	NA
Arsenic	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	ug/L	NA	NA	< 30 U	< 30 U	NA	NA	< 30 U	< 30 U	NA	NA	< 30 U	< 30 U	NA	NA	< 30 U	< 30 U	NA	< 5 U	**0.55 F**	NA
Barium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	ug/L	NA	NA	**36.1 F**	**41.8 F**	NA	NA	**14.1 F**	**13.4 F**	NA	NA	**7.52 F**	**5.6 F**	NA	NA	**49.3 F**	**54.8**	NA	**11**	**11**	NA
Beryllium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	NA	NA	**0.11 F**	**0.14 F**	NA	NA	< 4 U	< 4 U	NA	NA	< 4 U	< 4 U	NA	NA	**0.28 F**	**0.3 F**	NA	< 1 U	< 1 U	NA
Boron	T	ug/L	NA	NA	**6 F**	**6 F**	NA	NA	NA	NA	NA	NA	**3.31 F**	< 50 U	NA	NA	**10.3 F**	**10.9 F**	NA	**6 F**	**6.5 F**	NA
Cadmium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	ug/L	< 5 U	**0.51 F**	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	**0.24 F**	**0.067 F**	**0.092 F**	NA
Calcium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	**32798 M**	**35998 M**	**43350 M**	**43240 M**	**37000 M**	**37000 M**	**36600**	**36600**	**35000**	**36900**	**34500**	**35500**	**38000 M**	**38800 M**	**52900**	**50300**	**32000**	**39000 M**	**40000 M**	**39100 M**
Chromium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	ug/L	NA	NA	**606 J**	**2067 J**	NA	NA	**285 J**	**557 J**	NA	NA	**283**	**8.21 F**	NA	NA	**42.2**	**48.5**	NA	**14**	**14**	NA
Chromium VI	D	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium VI	T	mg/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	R	R	NA	NA	< 0.01 U	< 0.01 U	NA	NA	**0.012**	**0.011**	NA	**0.001 F**	**0.001 F**	NA
Cobalt	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	NA	NA	**4 F**	**16 F**	NA	NA	< 60 U	**2.82 F**	NA	NA	< 60 U	< 60 U	NA	NA	< 60 U	< 60 U	NA	**0.45 F**	**0.41 F**	NA
Copper	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	NA	NA	**10 J**	**26 J**	NA	NA	**3.03 F**	**6.17 F**	NA	NA	**5.04 F**	< 10 U	NA	NA	**3.18 F**	**4.04 F**	NA	**1.2**	**1.2**	NA
Iron	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	**3472**	**7812 J**	**8124 J**	**15324 J**	**2600 M**	**2400 M**	**2510 J**	**3490 J**	**595 J**	**462 J**	**1510 J**	**275 J**	**1930 M**	**1380 M**	**7320**	**7520**	**550 M**	**830**	**710**	**492 M**
Lead	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	ug/L	**12.8 F**	**57.4**	**12.4 J**	**36.9 J**	**8 J**	**3.9 J**	**2.77 F**	**8.63 F**	**3.51 F**	**2.53 F**	**10.4 F**	< 25 U	**5.53 F**	< 25 U	< 25 U	< 25 U	**2.4**	**1.4 F**	**1.9 F**	NA
Magnesium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	**12041**	**12061**	**15870**	**16010**	**12000**	**12000**	**12100**	**12000**	**11400**	**12000**	**11400**	**11600**	**12500**	**12800**	**19700**	**18900**	**10000**	**13000**	**14000**	**12500 M**
Manganese	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	**441**	**391**	**307 J**	**453 J**	**210**	**180**	**286 J**	**368 J**	**145**	**148**	**207 J**	**135 J**	**207 M**	**181 M**	**321**	**309**	**250 M**	**160**	**180**	**205 M**
Mercury	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	NA	NA	< 1 U	< 1 U	NA	NA	< 1 U	< 1 U	NA	NA	< 1 U	< 1 U	NA	NA	< 1 U	< 1 U	NA	**0.067 F**	< 0.2 U	NA
Nickel	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	NA	NA	**291 J**	**977 J**	NA	NA	**130 J**	**260 J**	NA	NA	**135**	**6.19 F**	NA	NA	**22**	**25.5**	NA	**8.1**	**9.5**	NA
Potassium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	**2144**	**4599 J**	**2580 J**	**4050 J**	**2300 J**	**1600 J**	**1430 J**	**2140 J**	**1380**	**1290**	**5920 J**	**922 J**	**2770 J**	**1860 J**	**2960**	**3320**	**2200**	**1200**	**1200**	**2640 M**
Selenium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	NA	NA	< 30 U	< 30 U	NA	NA	< 30 U	< 30 U	NA	NA	< 30 U	< 30 U	NA	NA	< 30 U	< 30 U	NA	< 5 U	< 5 U	NA
Silver	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	NA	NA	< 10 U	< 10 U	NA	NA	< 10 U	< 10 U	NA	NA	< 10 U	< 10 U	NA	NA	< 10 U	< 10 U	NA	< 1 UM	< 1 UM	NA
Sodium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	**3921 M**	**5945 M**	**5320**	**6480**	**4400 M**	**4000 M**	**3870**	**4290**	**4090**	**4220**	**6070 J**	**4120 J**	**5220 M**	**4910 M**	**5390**	**5430**	**5300 M**	**5800**	**5900**	**6650 M**
Thallium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	NA	NA	< 80 U	< 80 U	NA	NA	< 80 U	< 80 U	NA	NA	< 80 U	< 80 U	NA	NA	< 80 U	< 80 U	NA	< 1 U	< 1 U	NA
Vanadium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	NA	NA	**11 J**	**18 J**	NA	NA	**3.69 F**	**4.73 F**	NA	NA	**2.06 F**	< 10 U	NA	NA	**11.5**	**12.9**	NA	**1 F**	**0.68 F**	NA
Zinc	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	NA	NA	**17 F**	**28**	NA	NA	**35.2**	**38.5**	NA	NA	**18.5 F**	**13.2 F**	NA	NA	**49.6 J**	**32.9 J**	NA	**10 M**	**8.2 M**	NA
Total Recoverable Phenolics	N	mg/L	NA	NA	< 0.005 U	< 0.005 U	NA	NA	< 0.005 U	< 0.005 U	NA	NA	< 0.005 U	< 0.005 U	NA	NA	< 0.005 U	< 0.005 U	NA	< 0.05 UM	< 0.05 UM	NA
VOCs																						
1,1,1-Trichloroethane	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	< 1 U	< 1 U	NA
1,1,2,2-Tetrachloroethane	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	< 1 U	< 1 U	NA
1,1,2-trichloro-1,2,2-trifluoroethane	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	< 1 U	< 1 U	NA
1,1,2-Trichloroethane	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	< 1 U	< 1 U	NA
1,1-Dichloroethane	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	< 1 U	< 1 U	NA
1,1-Dichloroethene	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	< 1 U	< 1 U	NA
1,2,3-Trichloropropane	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	< 1 U	< 1 U	NA
1,2,3-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	< 1 U	< 1 U	NA
1,2,4-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	N	ug/L	NA	NA	< 1 U	< 1 U	NA	NA	< 1 U	< 1 U	NA	NA	< 1 U	< 1 U	NA	NA	< 1 U	< 1 U	NA	< 2 U	< 2 U	NA
1,2-Dibromoethane	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	< 1 U	< 1 U	NA
1,2-Dichlorobenzene	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	< 1 U	< 1 U	NA
1,2-Dichloroethane	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	< 1 U	< 1 U	NA
1,2-Dichloroethene, Total	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	< 1 U	< 1 U	NA
1,3,5-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	< 1 U	< 1 U	NA
1,3-Dichloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	< 1 U	< 1 U	NA
1,4-Dioxane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	N	ug/L	NA	NA	< 5 U	< 5 U	NA	NA	< 5 U	< 5 U	NA	NA	< 5 U	< 5 U	NA	NA	< 5 U	< 5 U	NA	< 10 U	< 10 U	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004
		Sample Date	9/22/2004	12/15/2004	3/23/2005	3/23/2005	6/22/2005	6/22/2005	12/13/2005	12/13/2005	6/26/2006	6/26/2006	1/2/2007	1/2/2007	7/10/2007	7/10/2007	12/4/2007	12/4/2007	6/24/2009	12/7/2009	12/7/2009	6/21/2010
		Sample Type	N	N	N	FD	N	FD	N	FD	N	FD	N	FD	N	FD	N	FD	N	N	FD	N
Chemical	**Fraction**	**Unit**																				
2-Chloroethyl vinyl ether	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	N	ug/L	NA	NA	< 5 U	< 5 U	NA	NA	< 5 U	< 5 U	NA	NA	< 5 U	< 5 U	NA	NA	< 5 U	< 5 U	NA	< 10 U	< 10 U	NA
Acetone	N	ug/L	NA	NA	R	R	NA	NA	< 5 U	< 5 U	NA	NA	< 5 U	< 5 U	NA	NA	< 5 U	< 5 U	NA	< 20 U	< 20 U	NA
Acrylonitrile	N	ug/L	NA	NA	< 4 U	< 4 U	NA	NA	< 4 U	< 4 U	NA	NA	< 4 U	< 4 U	NA	NA	< 4 U	< 4 U	NA	< 1 U	< 1 U	NA
Benzene	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	< 1 U	< 1 U	NA
Bromochloromethane	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	< 1 U	< 1 U	NA
Bromodichloromethane	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	< 1 U	< 1 U	NA
Bromoform	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	< 1 U	< 1 U	NA
Bromomethane	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	< 1 U	< 1 U	NA
Carbon Disulfide	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	< 5 U	< 5 U	NA
Carbon Tetrachloride	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	< 1 U	< 1 U	NA
CFC-11	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	< 1 U	< 1 U	NA
CFC-12	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	< 1 U	< 1 U	NA
Chlorobenzene	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	< 1 U	< 1 U	NA
Chlorodibromomethane	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	< 1 U	< 1 U	NA
Chloroethane	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 UM	< 0.5 UM	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	< 1 U	< 1 U	NA
Chloroform	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	< 1 U	< 1 U	NA
Chloromethane	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	< 1 U	< 1 U	NA
cis-1,2-Dichloroethene	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	< 1 U	< 1 U	NA
cis-1,3-Dichloropropene	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	< 1 U	< 1 U	NA
Cyclohexane	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	< 5 U	< 5 U	NA
Dibromomethane	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	< 1 U	< 1 U	NA
Dichloromethane	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	< 5 U	< 5 U	NA
Ethylbenzene	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	< 1 U	< 1 U	NA
Isopropylbenzene	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	< 1 U	< 1 U	NA
m&p-Xylenes	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	N	ug/L	NA	NA	< 5 U	< 5 U	NA	NA	< 5 U	< 5 U	NA	NA	< 5 UM	< 5 UM	NA	NA	< 5 U	< 5 U	NA	< 5 U	< 5 U	NA
Methyl N-Butyl Ketone (2-Hexanone)	N	ug/L	NA	NA	< 5 U	< 5 U	NA	NA	< 5 U	< 5 U	NA	NA	< 5 U	< 5 U	NA	NA	< 5 U	< 5 U	NA	< 5 UJ	< 5 UJ	NA
Methylcyclohexane	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	< 5 U	< 5 U	NA
Methyl-tert-butylether	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	< 1 U	< 1 U	NA
n-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenolics	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	< 1 U	< 1 U	NA
tert-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	< 1 U	< 1 U	NA
Toluene	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	< 1 U	< 1 U	NA
Total Xylenes	N	ug/L	NA	NA	< 1.5 U	< 1.5 U	NA	NA	< 1.5 U	< 1.5 U	NA	NA	< 1.5 U	< 1.5 U	NA	NA	< 1.5 U	< 1.5 U	NA	< 3 U	< 3 U	NA
trans-1,2-Dichloroethene	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	< 1 U	< 1 U	NA
trans-1,3-Dichloropropene	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	< 1 U	< 1 U	NA
trans-1,4-Dichloro-2-butene	N	ug/L	NA	NA	< 2 U	< 2 U	NA	NA	< 2 U	< 2 U	NA	NA	< 2 U	< 2 U	NA	NA	< 2 U	< 2 U	NA	< 5 U	< 5 U	NA
Trichloroethene	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	< 1 U	< 1 U	NA
Vinyl acetate	N	ug/L	NA	NA	R	R	NA	NA	< 2 U	< 2 U	NA	NA	R	R	NA	NA	< 2 U	< 2 U	NA	< 5 U	< 5 U	NA
Vinyl chloride	N	ug/L	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	NA	< 1 U	< 1 U	NA
Leachate Indicators																						
Ammonia Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromide	N	mg/L	NA	NA	< 0 U	< 0 U	NA	NA	< 0 UM	< 0 UM	NA	NA	< 0 UM	< 0 UM	NA	NA	**0.026 F**	**0.028 F**	NA	**0.037 F**	**0.038 F**	NA
Chloride	N	mg/L	NA	NA	**23.68 M**	**23.57 M**	NA	NA	**19 M**	**21 M**	NA	NA	**22 M**	**22 M**	NA	NA	**26**	**26**	NA	**29 B**	**29 B**	NA
Fluoride (F-, Anion)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	N	mg/L	NA	NA	**11.71**	**11.69**	NA	NA	**11**	**11**	NA	NA	**12 M**	**12 M**	NA	NA	**13**	**13**	NA	**14 M**	**15 M**	NA
Total Kjeldahl Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorus as PO4	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity	N	mg/L	NA	NA	**108**	**112**	NA	NA	**110**	**100**	NA	NA	**110**	**110**	NA	NA	**120**	**110**	NA	NA	NA	NA
Alkalinity (as CaCO3)	N	mg/L	NA	NA	**172**	**196**	NA	NA	**140 B**	**150 B**	NA	NA	**140**	**140**	NA	NA	**210**	**200**	NA	**151**	**145**	NA
Alkalinity, Bicarbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Carbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Hydroxide	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Biological Oxygen Demand	N	mg/L	NA	NA	< 0 U	< 0 U	NA	NA	**5.2**	< 0 U	NA	NA	**9.1**	**8.5**	NA	NA	< 0 U	< 0 U	NA	**5.5**	**4.5**	NA
Carbon	N	mg/L	NA	NA	NA	NA	NA	NA	**2.4 J**	**3.82 J**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CBOD	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chemical Oxygen Demand	N	mg/L	NA	NA	**48.5 B**	< 0 U	NA	NA	**29**	**29**	NA	NA	**34 J**	**24 J**	NA	NA	**8.5 F**	**8.5 F**	NA	**6.2 J**	**18 J**	NA
Color	N	COLOR UNIT	NA	NA	< 0 U	< 0 U	NA	NA	10	10	NA	NA	< 0 U	< 0 U	NA	NA	< 0 U	< 0 U	NA	< 0 U	< 0 U	NA
Color	N	PCU	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	N	ug/L	NA	NA	< 0 U	< 0 U	NA	NA	**9 F**	< 1 U	NA	NA	< 1 U	< 1 U	NA	NA	< 1 U	< 1 U	NA	< 1 U	< 1 U	NA
Hardness (as CaCO3)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	N	PH UNITS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids	N	mg/L	NA	NA	**184**	**182**	NA	NA	**190**	**190**	NA	NA	**210**	**210**	NA	NA	**190**	**200**	NA	NA	NA	NA
Total Dissolved Solids	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	NA	NA	**2.1 J**	**3.1 J**	NA	NA	NA	NA	NA	NA	**7.4 J**	**2.7 J**	NA	NA	**0.86 F**	**2.6**	NA	**0.87 M**	**0.73 M**	NA
Total Organic Carbon 2	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005
		Sample Date	6/21/2010	12/8/2010	6/21/2011	12/14/2011	6/19/2012	6/18/2013	6/18/2014	7/6/2015	8/24/2017	8/2/2018	8/10/1988	1/10/1989	4/23/2001	6/20/2001	9/24/2001	12/12/2001	3/19/2002	6/18/2002	9/23/2002	12/19/2002
		Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**																				
Metals																						
Aluminum	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	63	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	NA	181	523	1030	NA	597	NA	NA	NA	140	NA	NA	154 J	NA	NA	NA	NA	40.8 F	< 200 U	< 200 U
Antimony	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 43	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	NA	2.76	< 1 U	0.679 F	NA	0.904 F	NA	NA	NA	< 1.0	NA	NA	< 4.1 U	NA	NA	NA	NA	6.1 F	< 50 U	2.8 F
Arsenic	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	ug/L	NA	0.512 M	< 1 UJ	< 1 U	NA	0.864 J	NA	NA	NA	0.43	NA	NA	< 4.4 U	NA	NA	NA	NA	< 30 U	< 30 U	< 30 U
Barium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.1	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	ug/L	NA	7.07 F	14.7 B	19.7	NA	12.6	NA	NA	NA	8.4	NA	NA	12.2 B	NA	NA	NA	NA	8.56	12.6 J	9.9 F
Beryllium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.1	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	NA	< 2 U	< 2 U	0.508 F	NA	< 2 U	NA	NA	NA	< 0.30	NA	NA	0.16 B	NA	NA	NA	NA	< 5 U	< 5 U	< 4 U
Boron	T	ug/L	NA	< 100 U	< 100 U	< 100 U	NA	< 100 U	NA	NA	NA	7.2	NA	NA	< 32.4 U	NA	NA	NA	NA	< 110 U	< 110 U	< 110 U
Cadmium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4.3	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	ug/L	< 0.6 U	< 0.6 U	< 0.6 U	< 0.6 U	< 0.6 U	< 0.6 U	< 0.6 U	< 0.6 U	< 1.0	< 1.0	NA	NA	< 0.4 U	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	< 5 U
Calcium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	33400	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	NA	42100 M	42500 B	NA	43000 M	37900 M	45400 M	90400 M	80000	45000	NA	NA	52700	51582 M	53414 M	60668 J	51584 MJ	39817 MJ	42992 M	46828
Chromium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	ug/L	NA	60.7 M	NA	38.2	NA	490 M	108 M	95.3	73	4.9	NA	NA	77.7	NA	NA	NA	NA	21.3	62.8 J	26.2
Chromium VI	D	mg/L	NA	< 0.005 U	NA	< 0.01 U	NA	< 0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium VI	T	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.010	NA	NA	< 0.01 UJ	NA	NA	NA	NA	< 0.01 U	NA	NA
Cobalt	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	NA	0.724 M	< 1 U	0.794 F	NA	4.95 J	NA	NA	NA	0.11	NA	NA	< 0.6 U	NA	NA	NA	NA	< 6 U	< 6 U	< 60 U
Copper	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	14	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	NA	4.05 F	< 5 UJ	< 5 U	NA	12.3	NA	NA	NA	< 1.8	NA	NA	10 B	NA	NA	NA	NA	< 10 U	< 10 U	< 10 U
Iron	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	218	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	NA	1470 M	702 M	1620	2770 M	5410 M	1390	8820	16000	360	NA	NA	1640	611	915	442 J	532	332 M	622 J	514
Lead	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.91	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	ug/L	2.58	7.96	< 1 U	1.8	1.3	7.42	2.86	5.97	5.9	0.27	NA	NA	5.1	3.79 F	4.5 F	6.4 F	< 25 U	< 25 U	< 25 U	< 25 U
Magnesium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	11900	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	NA	13300	14200 B	14500	14300 M	12600	14800 M	33200	29000	14000	NA	NA	18200	17783	19220	20175	19271	14487 MJ	16123	16622
Manganese	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	183	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	NA	223 M	173 B	189	222 M	722 J	225	597	630	120	NA	NA	186	125	109	134 B	150	109	108	214
Mercury	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.2	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	NA	< 0.2 U	< 0.2 U	< 0.2 U	NA	< 0.2 U	NA	NA	NA	< 0.080	NA	NA	< 0.1 U	NA	NA	NA	NA	0.16 MF	NA	NA
Nickel	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 24	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	NA	32.8 M	3.29 M	20.1	NA	259 M	NA	NA	NA	1.8	NA	NA	46.9	NA	NA	NA	NA	8.8 F	28.5 J	10.7 F
Potassium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2360	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	NA	1970	1280 B	1480	1690	5620	1780 M	2110	3700	2000	NA	NA	3700 J	4558 J	11156 J	5091	4649	2314	4134	2899
Selenium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	NA	< 1 U	< 1 U	0.525 F	NA	0.502 F	NA	NA	NA	< 2.0	NA	NA	< 9.9 U	NA	NA	NA	NA	< 30 U	< 30 U	< 30 U
Silver	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4.3	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	NA	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA	NA	NA	< 0.10	NA	NA	< 0.9 U	NA	NA	NA	NA	< 10 U	< 10 U	< 10 U
Sodium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10200	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	NA	7010 M	6100 B	6810	6890 M	7930	8560	9070	8100	7700	NA	NA	24600	30014	37650	32361	30935 M	22954 MJ	31187 M	26181
Thallium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	NA	< 0.2 UM	< 0.2 U	< 0.2 U	NA	< 0.2 U	NA	NA	NA	< 0.20	NA	NA	< 4.3 U	NA	NA	NA	NA	4.5 F	< 80 U	< 80 U
Vanadium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	NA	0.568 M	NA	1.55	NA	< 20 UM	NA	NA	NA	< 2.0	NA	NA	< 1 U	NA	NA	NA	NA	< 10 U	< 10 U	< 10 U
Zinc	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	80	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	NA	9.38 F	5.69 F	26.8	NA	16.4 F	NA	NA	NA	3.7	NA	NA	20.5	NA	NA	NA	NA	7.8 F	8.6 F	5.3 F
Total Recoverable Phenolics	N	mg/L	NA	0.0091 B	NA	< 0.005 U	NA	< 0.005 U	NA	NA	NA	NA	NA	NA	0.023 J	NA	NA	NA	NA	0.0058 M	NA	NA
VOCs																						
1,1,1-Trichloroethane	N	ug/L	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	NA	< 5 [< 0.3]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA
1,1,2,2-Tetrachloroethane	N	ug/L	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.80	NA	< 5 [< 0.3]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA
1,1,2-trichloro-1,2,2-trifluoroethane	N	ug/L	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	NA	NA	< 1.6	NA	< 1	NA	NA	NA	NA	NA	< 0.5 U	NA	NA
1,1,2-Trichloroethane	N	ug/L	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.80	NA	< 5 [< 0.2]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA
1,1-Dichloroethane	N	ug/L	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.80	NA	< 5 [< 0.4]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA
1,1-Dichloroethene	N	ug/L	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.80	NA	< 5 [< 0.3]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA
1,2,3-Trichloropropane	N	ug/L	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.80	NA	NA	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA
1,2,3-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	N	ug/L	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA
1,2,4-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	N	ug/L	NA	< 2 U	NA	< 2	NA	< 2 U	NA	NA	NA	< 1.6	NA	NA	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA
1,2-Dibromoethane	N	ug/L	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	NA	NA	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA
1,2-Dichlorobenzene	N	ug/L	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	NA	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA
1,2-Dichloroethane	N	ug/L	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	NA	< 5 [< 0.3]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA
1,2-Dichloroethene, Total	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5	< 5 [< 0.5]	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	N	ug/L	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	< 5	< 5 [< 0.2]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA
1,3,5-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	N	ug/L	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	NA	< 1	NA	NA	NA	NA	NA	< 0.5 U	NA	NA
1,3-Dichloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	N	ug/L	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	NA	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA
1,4-Dioxane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 160	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	N	ug/L	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	NA	NA	< 4.0	< 10	< 10	NA	NA	NA	NA	NA	< 5 UM	NA	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-004	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005
		Sample Date	6/21/2010	12/8/2010	6/21/2011	12/14/2011	6/19/2012	6/18/2013	6/18/2014	7/6/2015	8/24/2017	8/2/2018	8/10/1988	1/10/1989	4/23/2001	6/20/2001	9/24/2001	12/12/2001	3/19/2002	6/18/2002	9/23/2002	12/19/2002
		Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**																					
2-Chloroethyl vinyl ether	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	N	ug/L	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	NA	NA	< 3.2	< 10	< 10	< 2 U	NA	NA	NA	NA	< 5 U	NA	NA
Acetone	N	ug/L	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	NA	NA	< 6.4	< 10	< 10	NA	NA	NA	NA	NA	< 10 UM	NA	NA
Acrylonitrile	N	ug/L	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	NA	NA	< 4.0	NA	NA	NA	NA	NA	NA	NA	< 5 U	NA	NA
Benzene	N	ug/L	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	< 5	< 5	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA
Bromochloromethane	N	ug/L	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA
Bromodichloromethane	N	ug/L	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	< 5	< 5 [< 0.4]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA
Bromoform	N	ug/L	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	NA	< 5 [< 0.5]	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA
Bromomethane	N	ug/L	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.80	NA	< 10 [< 0.5]	< 2 U	NA	NA	NA	NA	< 0.5 U	NA	NA
Carbon Disulfide	N	ug/L	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 1.6	NA	< 5	< 1 U	NA	NA	NA	NA	< 5 U	NA	NA
Carbon Tetrachloride	N	ug/L	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	NA	< 5 [< 0.3]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA
CFC-11	N	ug/L	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.80	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA
CFC-12	N	ug/L	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA
Chlorobenzene	N	ug/L	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	< 5	< 5 [< 0.4]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA
Chlorodibromomethane	N	ug/L	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	NA	< 5 [< 0.4]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA
Chloroethane	N	ug/L	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 1.6	NA	< 10 [< 0.5]	< 2 U	NA	NA	NA	NA	< 0.5 U	NA	NA
Chloroform	N	ug/L	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	**15**	< 5 [< 0.2]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA
Chloromethane	N	ug/L	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.80	NA	< 10 [< 0.5]	< 2 U	NA	NA	NA	NA	< 0.5 U	NA	NA
cis-1,2-Dichloroethene	N	ug/L	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA
cis-1,3-Dichloropropene	N	ug/L	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	NA	< 5 [< 0.3]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA
Cyclohexane	N	ug/L	NA	< 5 U	NA	< 5	NA	< 5 U	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA
Dibromomethane	N	ug/L	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	NA	NA	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA
Dichloromethane	N	ug/L	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.80	**7**	**2 [< 1]**	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA
Ethylbenzene	N	ug/L	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	< 5	< 5	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA
Isopropylbenzene	N	ug/L	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA
m&p-Xylenes	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	N	ug/L	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	NA	NA	< 4.0	NA	NA	NA	NA	NA	NA	NA	< 5 U	NA	NA
Methyl N-Butyl Ketone (2-Hexanone)	N	ug/L	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	NA	NA	< 4.0	< 10	< 10	< 2 U	NA	NA	NA	NA	< 5 U	NA	NA
Methylcyclohexane	N	ug/L	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA
Methyl-tert-butylether	N	ug/L	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.80	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA
n-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenolics	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	N	ug/L	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	NA	< 5	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA
tert-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	N	ug/L	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	< 5	< 5 [< 0.2]	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA
Toluene	N	ug/L	NA	**0.845 F**	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	< 5	< 5	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA
Total Xylenes	N	ug/L	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.80	< 5	< 5	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA
trans-1,2-Dichloroethene	N	ug/L	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA
trans-1,3-Dichloropropene	N	ug/L	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	NA	< 5 [< 0.3]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA
trans-1,4-Dichloro-2-butene	N	ug/L	NA	< 5 UJ	NA	< 5 U	NA	< 5 U	NA	NA	NA	< 1.6	NA	NA	< 1 U	NA	NA	NA	NA	< 5 U	NA	NA
Trichloroethene	N	ug/L	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	< 5	< 5 [< 0.5]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA
Vinyl acetate	N	ug/L	NA	< 5 UJ	NA	< 5 U	NA	< 5 U	NA	NA	NA	< 2.0	NA	< 10	< 4 U	NA	NA	NA	NA	< 5 U	NA	NA
Vinyl chloride	N	ug/L	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.20	< 10	< 10 [< 0.3]	< 2 U	NA	NA	NA	NA	< 0.5 U	NA	NA
Leachate Indicators																							
Ammonia Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.13**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromide	N	mg/L	NA	< 0 U	NA	< 0 U	NA	< 0.2 U	NA	NA	NA	< 0.20	NA	NA	< 0 U	NA	NA	NA	NA	RU	NA	NA
Chloride	N	mg/L	NA	**31 M**	NA	NA	NA	**36.3 J**	NA	NA	NA	**47**	NA	NA	**69.8**	NA	NA	NA	NA	**72.4 J**	NA	NA
Fluoride (F-, Anion)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.10**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	N	mg/L	NA	**12.2**	NA	**11.3**	NA	**12.8**	NA	NA	NA	**13**	NA	NA	**19.2**	NA	NA	NA	NA	**19**	NA	NA
Total Kjeldahl Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.18**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorus as PO4	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity	N	mg/L	NA	**105 M**	NA	**118**	NA	**123**	NA	NA	NA	**110**	NA	NA	**110**	NA	NA	NA	NA	**111 S**	NA	NA
Alkalinity (as CaCO3)	N	mg/L	NA	**164 M**	NA	**166**	NA	**160**	NA	NA	NA	NA	NA	NA	**192**	NA	NA	NA	NA	**182 B**	NA	NA
Alkalinity, Bicarbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	**110**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Carbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Hydroxide	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Biological Oxygen Demand	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	**3.5**	NA	NA	**12 J**	NA	NA	NA	NA	**10.5**	NA	NA
Carbon	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CBOD	N	mg/L	NA	**20.1 M**	NA	**5.29**	NA	< 0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chemical Oxygen Demand	N	mg/L	NA	**24.2 M**	NA	**21.9**	NA	**11.2 M**	NA	NA	NA	< 10	NA	NA	**18**	NA	NA	NA	NA	**73 B**	NA	NA
Color	N	COLOR UNIT	NA	5	NA	< 0 U	NA	< 0 U	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	NA	15 B	NA	NA
Color	N	PCU	NA	NA	NA	NA	NA	NA	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	N	ug/L	NA	< 1 U	NA	**10.4**	NA	< 1 U	NA	NA	NA	**5.1**	NA	NA	< 0 U	NA	NA	NA	NA	< 0 U	NA	NA
Hardness (as CaCO3)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	**180**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	N	PH UNITS	NA	NA	NA	7.91	NA	NA	NA	NA	NA	NA	NA	5.7 [5.67 [5.62	NA	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids	N	mg/L	NA	**276**	NA	**210**	NA	**206**	NA	NA	NA	**250**	NA	NA	**260**	NA	NA	NA	NA	**293 SB**	NA	NA
Total Dissolved Solids	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	NA	**10.9 M**	NA	**3.14**	NA	**2.09 B**	NA	NA	NA	NA	NA	NA	**1.3 J**	NA	NA	NA	NA	**4.83 S**	NA	NA
Total Organic Carbon 2	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005
		Sample Date	3/17/2003	6/19/2003	9/25/2003	1/13/2004	3/23/2004	6/24/2004	9/21/2004	12/15/2004	3/23/2005	6/22/2005	12/13/2005	6/26/2006	1/2/2007	7/10/2007	12/4/2007	6/23/2009	12/8/2009	6/23/2010	12/7/2010	12/7/2010
		Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**																				
Metals																						
Aluminum	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	NA	NA	**45.1 M**	NA	NA	NA	NA	NA	**190 F**	NA	**55.3 F**	NA	< 200 U	NA	**83.7 F**	NA	< 200 UJ	NA	NA	**137**
Antimony	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	NA	NA	< 50 U	NA	NA	NA	NA	NA	**3 F**	NA	< 50 U	NA	**1.64 F**	NA	< 50 U	NA	**0.8 F**	NA	NA	**3.23**
Arsenic	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	ug/L	NA	NA	< 30 U	NA	NA	NA	NA	NA	< 30 U	NA	< 30 U	NA	< 30 U	NA	< 30 U	NA	< 5 U	NA	NA	**51.7 M**
Barium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	ug/L	NA	NA	**9.1 F**	NA	NA	NA	NA	NA	**7.38 F**	NA	**7.21 F**	NA	**7.39 F**	NA	**10.6 F**	NA	**12**	NA	NA	**11.3**
Beryllium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	NA	NA	< 4 U	NA	NA	NA	NA	NA	< 4 U	NA	< 4 U	NA	< 4 U	NA	< 4 U	NA	< 1 U	NA	NA	< 2 U
Boron	T	ug/L	NA	NA	**12.2 F**	NA	NA	NA	NA	NA	< 50 U	NA	NA	NA	< 50 UM	NA	**5.66 F**	NA	**5.2 F**	NA	NA	< 100 U
Cadmium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	ug/L	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	**0.51 F**	**0.078 F**	< 0.6 U	NA	**1.25**
Calcium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	**43624 M**	**46384 M**	**47526**	**19146**	**20343**	**21535 M**	**17485 M**	**45060 M**	**40800 M**	**41000 M**	**35700**	**44600**	**34600**	**41300 M**	**47700**	**16000**	**52000 M**	**47800 M**	**53200 M**	NA
Chromium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	ug/L	NA	NA	**1 F**	NA	NA	NA	NA	NA	**105 J**	NA	**33.8 J**	NA	**46.8**	NA	**4.39 F**	NA	**6.5**	NA	NA	**45 M**
Chromium VI	D	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1 U
Chromium VI	T	mg/L	NA	NA	< 0.01 U	NA	NA	NA	NA	NA	**0.002 F**	NA	R	NA	**0.0019 F**	NA	R	NA	< 0.005 U	NA	NA	NA
Cobalt	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	NA	NA	< 60 U	NA	NA	NA	NA	NA	< 60 U	NA	< 60 U	NA	< 60 U	NA	< 60 U	NA	**0.12 F**	NA	NA	< 1 UM
Copper	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	NA	NA	< 10 U	NA	NA	NA	NA	NA	**2 J**	NA	< 10 U	NA	< 10 U	NA	< 10 U	NA	**1.6**	NA	NA	**3.65 F**
Iron	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	**328 J**	**343 J**	**369**	**262**	**215**	**253 J**	**306**	**408 J**	**710 J**	**420 M**	**349 J**	**732 J**	**560 J**	**1670 M**	**476**	**430 M**	**510**	**404 M**	NA	**1160 M**
Lead	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	ug/L	**3.4 F**	**3.7 F**	< 25 U	< 25 U	**4.8 F**	< 25 U	< 25 U	< 25 U	**1.9 J**	R	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	**1 F**	**0.47 F**	**2.07**	NA	**5.89**
Magnesium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	**16556 M**	**16321 M**	**16942**	**16419**	**15556 M**	**15943**	**15328**	**17474**	**15790**	**16000**	**15600**	**15900**	**14300**	**14800**	**17200**	**14000**	**20000**	**16400 M**	NA	**17200**
Manganese	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	**109**	**123 J**	**125**	**65**	**65.3**	**63.3**	**57.4**	**137**	**67 J**	**76**	**93.9 J**	**144**	**259 J**	**439 M**	**132**	**250 M**	**180**	**149 M**	NA	**364 M**
Mercury	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	NA	NA	< 1 U	NA	NA	NA	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	**0.029 F**	NA	< 0.2 U	NA	NA	< 0.2 U
Nickel	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	NA	NA	< 20 U	NA	NA	NA	NA	NA	**54 J**	NA	**13.6 J**	NA	**24.8**	NA	**1.15 F**	NA	**3.1**	NA	NA	**23.3 M**
Potassium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	**7146**	**849 J**	**844 F**	**26639**	**24623**	**23950**	**29035**	**7942 J**	**9610 J**	**11000 J**	**10900 J**	**2100**	**10100 J**	**11100 J**	**1090**	**27000**	**4800**	**2100 M**	NA	**3430**
Selenium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	NA	NA	**14.5 F**	NA	NA	NA	NA	NA	< 30 U	NA	< 30 U	NA	< 30 U	NA	< 30 U	NA	< 5 U	NA	NA	< 1 U
Silver	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	NA	NA	< 10 U	NA	NA	NA	NA	NA	< 10 U	NA	< 10 U	NA	< 10 U	NA	< 10 U	NA	< 1 M	NA	NA	< 1 U
Sodium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	**28890 M**	**27742 M**	**28880**	**39174**	**35751 M**	**36644**	**39409 M**	**36814 M**	**37350**	**42000 M**	**34200**	**34300**	**26600 J**	**26400 M**	**44200**	**32000 M**	**38000**	**27200 M**	**32500 M**	NA
Thallium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	NA	NA	< 80 U	NA	NA	NA	NA	NA	< 80 U	NA	< 80 U	NA	< 80 U	NA	< 80 U	NA	< 1 U	NA	NA	< 0.2 UM
Vanadium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	NA	NA	< 10 U	NA	NA	NA	NA	NA	R	NA	< 10 U	NA	< 10 U	NA	< 10 U	NA	< 5 U	NA	NA	< 1 UM
Zinc	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	NA	NA	< 20 U	NA	NA	NA	NA	NA	**11 F**	NA	**185**	NA	**22.6**	NA	**22.4 J**	NA	**14 M**	NA	NA	**12.6 F**
Total Recoverable Phenolics	N	mg/L	NA	NA	R	NA	NA	NA	NA	NA	< 0.005 U	NA	**0.0029 F**	NA	< 0.005 U	NA	< 0.005 U	NA	< 0.05 M	NA	NA	**0.0091 B**
VOCs																						
1,1,1-Trichloroethane	N	ug/L	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U
1,1,2,2-Tetrachloroethane	N	ug/L	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U
1,1,2-trichloro-1,2,2-trifluoroethane	N	ug/L	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 5 U
1,1,2-Trichloroethane	N	ug/L	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U
1,1-Dichloroethane	N	ug/L	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U
1,1-Dichloroethene	N	ug/L	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U
1,2,3-Trichloropropane	N	ug/L	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U
1,2,3-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	N	ug/L	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U
1,2,4-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	N	ug/L	NA	NA	< 1 U	NA	NA	NA	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 2 U	NA	NA	< 2 U
1,2-Dibromoethane	N	ug/L	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U
1,2-Dichlorobenzene	N	ug/L	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U
1,2-Dichloroethane	N	ug/L	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U
1,2-Dichloroethene, Total	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	N	ug/L	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U
1,3,5-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	N	ug/L	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U
1,3-Dichloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	N	ug/L	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U
1,4-Dioxane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	N	ug/L	NA	NA	< 5 U	NA	NA	NA	NA	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 10 U	NA	NA	< 5 U

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005
		Sample Date	3/17/2003	6/19/2003	9/25/2003	1/13/2004	3/23/2004	6/24/2004	9/21/2004	12/15/2004	3/23/2005	6/22/2005	12/13/2005	6/26/2006	1/2/2007	7/10/2007	12/4/2007	6/23/2009	12/8/2009	6/23/2010	12/7/2010	12/7/2010
		Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**																				
2-Chloroethyl vinyl ether	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	N	ug/L	NA	NA	< 5 U	NA	NA	NA	NA	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 10 U	NA	NA	< 5 U
Acetone	N	ug/L	NA	NA	< 5 U	NA	NA	NA	NA	NA	R	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 20 U	NA	NA	< 5 U
Acrylonitrile	N	ug/L	NA	NA	< 5 U	NA	NA	NA	NA	NA	< 4 U	NA	< 4 U	NA	< 4 U	NA	< 4 U	NA	< 1 U	NA	NA	< 5 U
Benzene	N	ug/L	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U
Bromochloromethane	N	ug/L	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U
Bromodichloromethane	N	ug/L	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U
Bromoform	N	ug/L	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U
Bromomethane	N	ug/L	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U
Carbon Disulfide	N	ug/L	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 5 U	NA	NA	< 1 U
Carbon Tetrachloride	N	ug/L	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U
CFC-11	N	ug/L	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U
CFC-12	N	ug/L	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U
Chlorobenzene	N	ug/L	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U
Chlorodibromomethane	N	ug/L	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U
Chloroethane	N	ug/L	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 UM	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U
Chloroform	N	ug/L	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U
Chloromethane	N	ug/L	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U
cis-1,2-Dichloroethene	N	ug/L	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U
cis-1,3-Dichloropropene	N	ug/L	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U
Cyclohexane	N	ug/L	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 5 U	NA	NA	< 5 U
Dibromomethane	N	ug/L	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U
Dichloromethane	N	ug/L	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 5 U	NA	NA	< 1 U
Ethylbenzene	N	ug/L	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U
Isopropylbenzene	N	ug/L	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U
m&p-Xylenes	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	N	ug/L	NA	NA	< 5 U	NA	NA	NA	NA	NA	< 5 U	NA	< 5 U	NA	< 5 UM	NA	< 5 U	NA	< 5 U	NA	NA	< 5 U
Methyl N-Butyl Ketone (2-Hexanone)	N	ug/L	NA	NA	< 5 U	NA	NA	NA	NA	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 5 UJ	NA	NA	< 5 U
Methylcyclohexane	N	ug/L	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 5 U	NA	NA	< 5 U
Methyl-tert-butylether	N	ug/L	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U
n-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenolics	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	N	ug/L	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U
tert-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	N	ug/L	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U
Toluene	N	ug/L	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U
Total Xylenes	N	ug/L	NA	NA	< 1.5 U	NA	NA	NA	NA	NA	< 1.5 U	NA	< 1.5 U	NA	< 1.5 U	NA	< 1.5 U	NA	< 3 U	NA	NA	< 1 U
trans-1,2-Dichloroethene	N	ug/L	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U
trans-1,3-Dichloropropene	N	ug/L	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U
trans-1,4-Dichloro-2-butene	N	ug/L	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 2 U	NA	< 2 U	NA	< 2 U	NA	< 2 U	NA	< 5 U	NA	NA	< 5 UJ
Trichloroethene	N	ug/L	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U
Vinyl acetate	N	ug/L	NA	NA	< 5 U	NA	NA	NA	NA	NA	R	NA	< 2 U	NA	R	NA	< 2 U	NA	< 5 U	NA	NA	< 5 UJ
Vinyl chloride	N	ug/L	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U
Leachate Indicators																						
Ammonia Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromide	N	mg/L	NA	NA	< 0 U	NA	NA	NA	NA	NA	< 0 U	NA	< 0 UM	NA	< 0 UM	NA	< 0 U	NA	< 0 U	NA	NA	< 0 U
Chloride	N	mg/L	NA	NA	**77.6 J**	NA	NA	NA	NA	NA	**85.33 M**	NA	**76 M**	NA	**64 M**	NA	**95**	NA	**110**	NA	**88.4 M**	NA
Fluoride (F-, Anion)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	N	mg/L	NA	NA	**20.7**	NA	NA	NA	NA	NA	**22.64**	NA	**21**	NA	**20 M**	NA	**22**	NA	**24 M**	NA	NA	**19.8**
Total Kjeldahl Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorus as PO4	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity	N	mg/L	NA	NA	**116 B**	NA	NA	NA	NA	NA	**118**	NA	**120**	NA	**110**	NA	**190**	NA	NA	NA	NA	**112 M**
Alkalinity (as CaCO3)	N	mg/L	NA	NA	**368 B**	NA	NA	NA	NA	NA	**168**	NA	**160 B**	NA	**160**	NA	**190**	NA	**207**	NA	NA	**190 M**
Alkalinity, Bicarbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Carbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Hydroxide	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Biological Oxygen Demand	N	mg/L	NA	NA	**5.77 B**	NA	NA	NA	NA	NA	< 0 U	NA	< 0 U	NA	**5.5**	NA	< 0 U	NA	**6.5**	NA	NA	NA
Carbon	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**2.24 J**	NA	NA	NA	NA	NA	NA	NA	NA	NA
CBOD	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**14.1 M**
Chemical Oxygen Demand	N	mg/L	NA	NA	**28.7**	NA	NA	NA	NA	NA	**53.1 B**	NA	**55**	NA	**38 J**	NA	R	NA	**11 J**	NA	NA	**12.7 M**
Color	N	COLOR UNIT	NA	NA	10	NA	NA	NA	NA	NA	< 0 U	NA	10	NA	< 0 U	NA	10	NA	< 0 U	NA	NA	5
Color	N	PCU	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	N	ug/L	NA	NA	< 0 U	NA	NA	NA	NA	NA	< 0 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	**10.4**
Hardness (as CaCO3)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	N	PH UNITS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids	N	mg/L	NA	NA	**292 S**	NA	NA	NA	NA	NA	**326**	NA	**300**	NA	**290**	NA	**300**	NA	NA	NA	NA	**310**
Total Dissolved Solids	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	NA	NA	**1.18 M**	NA	NA	NA	NA	NA	**4.4 J**	NA	NA	NA	**4.7 J**	NA	**1**	NA	**4.7 M**	NA	NA	**1.08 M**
Total Organic Carbon 2	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006
		Sample Date	6/22/2011	12/6/2011	6/21/2012	6/20/2013	6/17/2014	7/6/2015	8/24/2017	7/31/2018	8/10/1988	1/10/1989	4/25/2001	6/21/2001	9/24/2001	12/13/2001	3/20/2002	6/19/2002	9/24/2002	12/19/2002	3/17/2003	6/19/2003
		Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**																				
Metals																						
Aluminum	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	< 100 U	< 100 U	NA	< 200 U	NA	NA	NA	< 70	NA	NA	**770 J**	NA	NA	NA	NA	**43.6 F**	**42.1 F**	< 200 U	NA	NA
Antimony	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 43	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	< 1 U	< 1 U	NA	**0.79 F**	NA	NA	NA	**1.4**	NA	NA	< 4.1 U	NA	NA	NA	NA	**6.6 F**	**3.7 F**	< 50 U	NA	NA
Arsenic	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	**2.2**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	ug/L	< 1 UJ	< 1 U	NA	< 1 UJ	NA	NA	NA	< 1.0	NA	NA	< 4.4 U	NA	NA	NA	NA	< 30 U	< 30 U	< 30 U	NA	NA
Barium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	**8.7**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	ug/L	**11.1 B**	**5.87 F**	NA	**10.1**	NA	NA	NA	**12**	NA	NA	**35.4**	NA	NA	NA	NA	**14.7**	**19.6 J**	**19.9 F**	NA	NA
Beryllium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	< 2 U	**0.548 F**	NA	< 2 U	NA	NA	NA	< 0.30	NA	NA	< 0.1 U	NA	NA	NA	NA	< 5 U	< 5 U	< 4 U	NA	NA
Boron	T	ug/L	< 100 U	< 100 U	NA	< 100 U	NA	NA	NA	< 15	NA	NA	< 32.4 U	NA	NA	NA	NA	< 110 U	< 110 U	< 110 U	NA	NA
Cadmium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	ug/L	< 0.6 U	**0.847**	**0.392 F**	**0.37 F**	< 0.6 U	< 0.6 U	< 1.0	< 1.0	NA	NA	< 0.4 U	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	< 5 U	< 5 U	< 5 U
Calcium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	**53000**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	**35900 B**	**29500**	**42100 M**	**20800 M**	**51200 M**	**49400 M**	**57000**	**61000**	NA	NA	**70300**	**77945 M**	**74553 M**	**103583 J**	**74923 MJ**	**65112 MJ**	**72431 M**	**87122**	**85971 M**	**72808 M**
Chromium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	ug/L	**10.1 M**	**38.8**	NA	**60 M**	**15.6 M**	< 2 U	**2.8**	**1.1**	NA	NA	**3860**	NA	NA	NA	NA	**115**	**1555 J**	**985**	NA	NA
Chromium VI	D	mg/L	NA	**0.0073 F**	NA	**0.0228**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium VI	T	mg/L	NA	NA	NA	NA	NA	NA	NA	< 0.010	NA	NA	< 0.01 UJ	NA	NA	NA	NA	R	NA	NA	NA	NA
Cobalt	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	**4**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	< 1 U	< 1 U	NA	< 1 UJ	NA	NA	NA	< 0.20	NA	NA	**36.2**	NA	NA	NA	NA	< 6 U	**3.72 F**	**0.7 F**	NA	NA
Copper	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 3.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	< 5 UJ	**3.3 F**	NA	**3.55 F**	NA	NA	NA	**0.81**	NA	NA	**52.7**	NA	NA	NA	NA	< 10 U	**24.7**	**23.6**	NA	NA
Iron	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	**103**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	**355 M**	**457**	**816 M**	**1420 M**	**653**	**393**	**760**	**350**	NA	NA	**20600**	**7548**	**2137**	**4151 J**	**5776**	**498 M**	**6403 J**	**5531**	**5464 J**	**385 J**
Lead	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	ug/L	**0.969 F**	**0.968 F**	**1.61**	**4.27**	**1.19**	< 1 U	**13**	**28**	NA	NA	< 2.1 U	< 25 U	< 25 U	**4.5 F**	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U
Magnesium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	**21000**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	**18800 B**	**17400**	**19100 M**	**17500**	**19400 M**	**17500**	**20000**	**21000**	NA	NA	**21900**	**24552**	**24098**	**32092**	**24389**	**21285 MJ**	**23085**	**26168**	**26371 M**	**21161 M**
Manganese	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	**4.4**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	**194 B**	**81.3**	**166 M**	**194 J**	**148**	**129**	**120**	**150**	NA	NA	**431**	**108**	**34.5**	**19 B**	**62.9**	**7.96**	**74.5**	**26.8**	**13.4**	**6.5 J**
Mercury	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	< 0.2 U	< 0.2 U	NA	< 0.2 U	NA	NA	NA	< 0.080	NA	NA	< 0.1 U	NA	NA	NA	NA	< 1 UM	NA	NA	NA	NA
Nickel	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	**30**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	**4.39 M**	**21.1**	NA	**21.2 M**	NA	NA	NA	**0.34**	NA	NA	**108**	NA	NA	NA	NA	**2.2 F**	**42 J**	**32.7**	NA	NA
Potassium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2360	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	**11400 B**	**21300**	**14000**	**35700**	**6760 M**	**1240**	**4100**	**1400**	NA	NA	**1820 J**	**1568 J**	**1834 J**	**1613**	**1895**	**1730**	**1965**	**1164**	**2223**	**1039 J**
Selenium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	**10**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	< 1 U	< 1 U	NA	< 1 U	NA	NA	NA	< 2.0	NA	NA	< 9.9 U	NA	NA	NA	NA	< 30 U	< 30 U	< 30 U	NA	NA
Silver	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	< 1 U	< 1 U	NA	< 1 U	NA	NA	NA	< 0.10	NA	NA	< 0.9 U	NA	NA	NA	NA	< 10 U	< 10 U	< 10 U	NA	NA
Sodium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	**6440**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	**31700 B**	**39800**	**36900 M**	**47400**	**49400**	**42800**	**43000**	**36000**	NA	NA	**142000**	**116200**	**119915**	**139349**	**175476 M**	**157350 MJ**	**176248 M**	**207910**	**211738 M**	**206354 M**
Thallium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	< 0.2 U	< 0.2 U	NA	< 0.2 U	NA	NA	NA	< 0.20	NA	NA	< 4.3 U	NA	NA	NA	NA	**5.4 F**	**4.4 F**	< 80 U	NA	NA
Vanadium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	< 1 U	< 1 U	NA	< 5 UM	NA	NA	NA	< 2.0	NA	NA	**32**	NA	NA	NA	NA	< 10 U	**9.1 F**	**6.3 F**	NA	NA
Zinc	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	**15**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	**5.6 F**	**21.7**	NA	**36.6**	NA	NA	NA	< 8.0	NA	NA	**9.4 B**	NA	NA	NA	NA	**11.9**	**5.2 F**	**3.5 F**	NA	NA
Total Recoverable Phenolics	N	mg/L	NA	**0.0049 F**	NA	< 0.005 U	NA	NA	NA	NA	NA	NA	< 0.005 UJ	NA	NA	NA	NA	< 0.005 UM	NA	NA	NA	NA
VOCs																						
1,1,1-Trichloroethane	N	ug/L	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	NA	< 5 [< 0.3]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	N	ug/L	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.80	NA	< 5 [< 0.3]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
1,1,2-trichloro-1,2,2-trifluoroethane	N	ug/L	NA	< 5 U	NA	< 5 U	NA	NA	NA	< 1.6	NA	< 1	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
1,1,2-Trichloroethane	N	ug/L	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.80	NA	< 5 [< 0.2]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
1,1-Dichloroethane	N	ug/L	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.80	NA	< 5 [< 0.4]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
1,1-Dichloroethene	N	ug/L	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.80	NA	< 5 [< 0.3]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
1,2,3-Trichloropropane	N	ug/L	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.80	NA	NA	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA
1,2,3-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	N	ug/L	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
1,2,4-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	N	ug/L	NA	< 2 U	NA	< 2 U	NA	NA	NA	< 1.6	NA	NA	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA
1,2-Dibromoethane	N	ug/L	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	NA	NA	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA
1,2-Dichlorobenzene	N	ug/L	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	NA	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
1,2-Dichloroethane	N	ug/L	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	NA	< 5 [< 0.3]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
1,2-Dichloroethene, Total	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 5	< 5 [< 0.5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	N	ug/L	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	< 5	< 5 [< 0.2]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
1,3,5-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	N	ug/L	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	NA	< 1	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
1,3-Dichloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	N	ug/L	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	NA	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
1,4-Dioxane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	< 160	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	N	ug/L	NA	< 5 U	NA	< 5 U	NA	NA	NA	< 4.0	< 10	< 10	NA	NA	NA	NA	NA	< 5 UM	NA	NA	NA	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-005	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006
		Sample Date	6/22/2011	12/6/2011	6/21/2012	6/20/2013	6/17/2014	7/6/2015	8/24/2017	7/31/2018	8/10/1988	1/10/1989	4/25/2001	6/21/2001	9/24/2001	12/13/2001	3/20/2002	6/19/2002	9/24/2002	12/19/2002	3/17/2003	6/19/2003
		Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**																				
2-Chloroethyl vinyl ether	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	N	ug/L	NA	< 5 U	NA	< 5 U	NA	NA	NA	< 3.2	< 10	< 10	< 2 U	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA
Acetone	N	ug/L	NA	< 5 U	NA	< 5 U	NA	NA	NA	**17**	< 10	< 10	NA	NA	NA	NA	NA	< 10 UM	NA	NA	NA	NA
Acrylonitrile	N	ug/L	NA	< 5 U	NA	< 5 U	NA	NA	NA	< 4.0	NA	NA	NA	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA
Benzene	N	ug/L	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	< 5	< 5	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Bromochloromethane	N	ug/L	NA	< 1 U	NA	< 1 U	NA	NA	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Bromodichloromethane	N	ug/L	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	< 5	< 5 [< 0.4]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Bromoform	N	ug/L	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	NA	< 5 [< 0.5]	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA
Bromomethane	N	ug/L	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.80	NA	< 10 [< 0.5]	< 2 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Carbon Disulfide	N	ug/L	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 1.6	NA	< 5	< 1 U	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA
Carbon Tetrachloride	N	ug/L	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	NA	< 5 [< 0.3]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
CFC-11	N	ug/L	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.80	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
CFC-12	N	ug/L	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Chlorobenzene	N	ug/L	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	< 5	< 5 [< 0.4]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Chlorodibromomethane	N	ug/L	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	NA	< 5 [< 0.4]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Chloroethane	N	ug/L	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 1.6	NA	< 10 [< 0.5]	< 2 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Chloroform	N	ug/L	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	< 5	< 5 [< 0.2]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Chloromethane	N	ug/L	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.80	NA	< 10 [< 0.5]	< 2 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
cis-1,2-Dichloroethene	N	ug/L	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
cis-1,3-Dichloropropene	N	ug/L	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	NA	< 5 [< 0.3]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Cyclohexane	N	ug/L	NA	< 5 U	NA	< 5 U	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Dibromomethane	N	ug/L	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	NA	NA	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA
Dichloromethane	N	ug/L	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.80	**2**	**3 [< 1]**	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA
Ethylbenzene	N	ug/L	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	< 5	< 5	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Isopropylbenzene	N	ug/L	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
m&p-Xylenes	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	N	ug/L	NA	< 5 U	NA	< 5 U	NA	NA	NA	< 4.0	NA	NA	NA	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA
Methyl N-Butyl Ketone (2-Hexanone)	N	ug/L	NA	< 5 U	NA	< 5 U	NA	NA	NA	< 4.0	< 10	< 10	< 2 U	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA
Methylcyclohexane	N	ug/L	NA	< 5 U	NA	< 5 U	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Methyl-tert-butylether	N	ug/L	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.80	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
n-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenolics	N	mg/L	NA	NA	NA	NA	NA	NA	NA	< 0.010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	N	ug/L	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	NA	< 5	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA
tert-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	N	ug/L	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	< 5	< 5 [< 0.2]	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA
Toluene	N	ug/L	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	< 5	< 5	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Total Xylenes	N	ug/L	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.80	< 5	< 5	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
trans-1,2-Dichloroethene	N	ug/L	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
trans-1,3-Dichloropropene	N	ug/L	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	NA	< 5 [< 0.3]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
trans-1,4-Dichloro-2-butene	N	ug/L	NA	< 5 U	NA	< 5 U	NA	NA	NA	< 1.6	NA	NA	< 1 U	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA
Trichloroethene	N	ug/L	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.40	< 5	< 5 [< 0.5]	< 1 U	NA	NA	NA	NA	**0.11 F**	NA	NA	NA	NA
Vinyl acetate	N	ug/L	NA	< 5 U	NA	< 5 U	NA	NA	NA	< 2.0	NA	< 10	< 4 U	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA
Vinyl chloride	N	ug/L	NA	< 1 U	NA	< 1 U	NA	NA	NA	< 0.20	< 10	< 10 [< 0.3]	< 2 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA
Leachate Indicators																						
Ammonia Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	**0.35**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromide	N	mg/L	NA	< 0 U	NA	< 0.8 U	NA	NA	NA	< 0.20	NA	NA	< 0 U	NA	NA	NA	NA	RU	NA	NA	NA	NA
Chloride	N	mg/L	NA	NA	NA	**79.5 J**	NA	NA	NA	**100**	NA	NA	**249**	NA	NA	NA	NA	**265 M**	NA	NA	NA	NA
Fluoride (F-, Anion)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	N	mg/L	NA	NA	NA	NA	NA	NA	NA	< 0.10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	N	mg/L	NA	**18**	NA	**27**	NA	NA	NA	**26**	NA	NA	**27.1**	NA	NA	NA	NA	**22.2**	NA	NA	NA	NA
Total Kjeldahl Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	**0.63**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorus as PO4	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity	N	mg/L	NA	**108**	NA	**98.7**	NA	NA	NA	**130**	NA	NA	**170**	NA	NA	NA	NA	**186 S**	NA	NA	NA	NA
Alkalinity (as CaCO3)	N	mg/L	NA	**146**	NA	**112**	NA	NA	NA	NA	NA	NA	**255**	NA	NA	NA	NA	**321 B**	NA	NA	NA	NA
Alkalinity, Bicarbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	**130**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Carbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	< 5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Hydroxide	N	mg/L	NA	NA	NA	NA	NA	NA	NA	< 5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Biological Oxygen Demand	N	mg/L	NA	NA	NA	NA	NA	NA	NA	< 0.59	NA	NA	< 0 U	NA	NA	NA	NA	R	NA	NA	NA	NA
Carbon	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CBOD	N	mg/L	NA	**1.74 F**	NA	< 0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chemical Oxygen Demand	N	mg/L	NA	**14 F**	NA	< 0 U	NA	NA	NA	< 20	NA	NA	**17**	NA	NA	NA	NA	**10 B**	NA	NA	NA	NA
Color	N	COLOR UNIT	NA	< 0 U	NA	< 0 U	NA	NA	NA	NA	NA	NA	30	NA	NA	NA	NA	30 B	NA	NA	NA	NA
Color	N	PCU	NA	NA	NA	NA	NA	NA	NA	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	N	ug/L	NA	**26.4**	NA	< 1 U	NA	NA	NA	< 5	NA	NA	< 0 U	NA	NA	NA	NA	< 0 U	NA	NA	NA	NA
Hardness (as CaCO3)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	**230**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	N	PH UNITS	NA	8.73	NA	NA	NA	NA	NA	NA	NA	5.2 [5.1 [5.1]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids	N	mg/L	NA	**244**	NA	**240**	NA	NA	NA	**310**	NA	NA	**600**	NA	NA	NA	NA	**785 SB**	NA	NA	NA	NA
Total Dissolved Solids	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	NA	**1.95**	NA	**1.33 B**	NA	NA	NA	NA	NA	NA	**3.5 J**	NA	NA	NA	NA	**1.31 S**	NA	NA	NA	NA
Total Organic Carbon 2	N	mg/L	NA	NA	NA	NA	NA	NA	NA	< 0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006
		Sample Date	9/26/2003	1/13/2004	3/23/2004	6/28/2004	9/21/2004	12/15/2004	3/24/2005	6/23/2005	12/13/2005	6/27/2006	1/3/2007	7/10/2007	12/3/2007	6/24/2009	12/7/2009	6/23/2010	12/6/2010	12/6/2010	6/22/2011	12/6/2011
		Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**																				
Metals																						
Aluminum	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	**208 M**	NA	NA	NA	NA	NA	**50 F**	NA	**107 F**	NA	< 200 U	NA	**164 F**	NA	**40 J**	NA	NA	**108**	**102**	< 100 U
Antimony	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	< 50 U	NA	NA	NA	NA	NA	< 50 U	NA	**7.29 F**	NA	< 50 U	NA	**1.81 F**	NA	**0.47 F**	NA	NA	< 1 U	< 1 U	< 1 U
Arsenic	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	ug/L	< 30 U	NA	NA	NA	NA	NA	< 30 U	NA	< 30 U	NA	< 30 U	NA	< 30 U	NA	**1.7 F**	NA	NA	**2.69 M**	**1.46 J**	< 1 U
Barium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	ug/L	**24.5 F**	NA	NA	NA	NA	NA	**13.8 F**	NA	**15.3 F**	NA	**16.5 F**	NA	**45.8 F**	NA	**59**	NA	NA	**41.6**	**31.6 B**	**14.4**
Beryllium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	< 4 U	NA	NA	NA	NA	NA	< 4 U	NA	< 4 U	NA	< 4 U	NA	< 4 U	NA	< 1 U	NA	NA	< 2 U	**0.673 F**	**0.657 F**
Boron	T	ug/L	**40.4 F**	NA	NA	NA	NA	NA	**6 F**	NA	NA	NA	**4.14 F**	NA	**12.5 F**	NA	**12**	NA	NA	< 100 U	**66.8 F**	< 100 U
Cadmium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	ug/L	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 1 U	< 1 U	**0.729**	NA	< 0.6 U	< 0.6 U	< 0.6 U
Calcium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	**70095**	**88214**	**101720**	**85293 M**	**59644 M**	**69405 M**	**62340 M**	**80000 M**	**57700**	**61000**	**78700**	**75900 M**	**65800**	**74000**	**91000 M**	**88700 M**	**75800 M**	NA	**74600 B**	**57300**
Chromium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	ug/L	**4811**	NA	NA	NA	NA	NA	**101 J**	NA	**1100 J**	NA	**46.1**	NA	**614**	NA	**2300**	NA	**2080 M**	NA	NA	NA
Chromium VI	D	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1 U	NA	< 0.01 U
Chromium VI	T	mg/L	< 0.01 U	NA	NA	NA	NA	NA	**0.003 J**	NA	R	NA	< 0.01 U	NA	< 0.01 U	NA	**0.002 F**	NA	NA	NA	NA	NA
Cobalt	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	**14.7 F**	NA	NA	NA	NA	NA	< 60 U	NA	< 60 U	NA	< 60 U	NA	**28.8 F**	NA	**20**	NA	NA	**25.1 M**	**8.04**	**3.28**
Copper	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	**112**	NA	NA	NA	NA	NA	R	NA	**22.4**	NA	< 10 U	NA	**16.7**	NA	**33**	NA	NA	**32.1**	**41.3 J**	**10.5**
Iron	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	**20388**	**20842**	**1053**	**10768 J**	**7448**	**8324 J**	**676 J**	**4200 M**	**4070 J**	**429 J**	**338 J**	**15700 M**	**6450**	**33000 M**	**14000**	**56600 M**	NA	**13300 M**	**11600 M**	**3290**
Lead	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	ug/L	< 25 U	**6.1 F**	< 25 U	< 25 U	< 25 U	< 25 U	R	R	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	**0.51 F**	**0.28 F**	**1.89**	NA	< 1 U	< 1 U	< 1 U
Magnesium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	**20043**	**25990**	**27240 M**	**26256**	**17694**	**20601**	**19600**	**26000**	**19000**	**21800**	**26600**	**25000**	**21700**	**21000**	**28000**	**22100 M**	NA	**18300**	**18100**	**15900**
Manganese	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	**181**	**454**	**16.2**	**38.9**	**65.4**	**38.3**	**33 J**	**15**	**11.3 J**	**141**	**319 J**	**12100 M**	**10000**	**8600 M**	**2200**	**15200 M**	NA	**2210 M**	**653**	**270**
Mercury	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	< 1 U	NA	NA	NA	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	**0.068 F**	NA	NA	< 0.2 U	< 0.2 U	< 0.2 U
Nickel	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	**133**	NA	NA	NA	NA	NA	**7 J**	NA	**45 J**	NA	**7.61 F**	NA	**333**	NA	**290**	NA	NA	**226 M**	**109 M**	**44.8**
Potassium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	**1199**	**2559**	**1550**	**1262**	**808 F**	**1333 J**	**1450 J**	**1500 J**	**1540 J**	**1470**	**1510 J**	**1610 J**	**1570**	**1600**	**1700**	**1550 M**	NA	**1400**	**1410 B**	**1230**
Selenium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	**6.7 F**	NA	NA	NA	NA	NA	< 30 U	NA	< 30 U	NA	< 30 U	NA	**5.29 F**	NA	< 5 U	NA	NA	< 1 U	< 1 U	< 1 U
Silver	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	< 10 U	NA	NA	NA	NA	NA	< 10 U	NA	< 10 U	NA	< 10 U	NA	< 10 U	NA	**0.27 M**	NA	NA	< 1 U	< 1 U	< 1 U
Sodium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	**216377**	**251148**	**280767 M**	**282045**	**250422 M**	**254613 M**	**217400**	**220000 M**	**200000**	**161000**	**181000 J**	**178000 M**	**164000**	**240000 M**	**260000**	**252000 M**	**262000 M**	NA	NA	**170000**
Thallium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	< 80 U	NA	NA	NA	NA	NA	< 80 U	NA	< 80 U	NA	< 80 U	NA	< 80 U	NA	**0.1 F**	NA	NA	**0.178 M**	< 0.2 U	< 0.2 U
Vanadium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	**31.9**	NA	NA	NA	NA	NA	**2 J**	NA	**4.37 F**	NA	**1.11 F**	NA	**9.57 F**	NA	< 25 U	NA	< 10 UM	NA	NA	NA
Zinc	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	**3.8 F**	NA	NA	NA	NA	NA	**10 F**	NA	**6.12 F**	NA	**9.73 F**	NA	**7.57 J**	NA	**9 M**	NA	NA	**5.66 F**	**6.32 F**	**6.32 F**
Total Recoverable Phenolics	N	mg/L	**0.0031 J**	NA	NA	NA	NA	NA	**0.0031 F**	NA	**0.002 F**	NA	< 0.005 U	NA	< 0.005 U	NA	< 0.05 UM	NA	NA	**0.0061 B**	NA	< 0.005 U
VOCs																						
1,1,1-Trichloroethane	N	ug/L	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U
1,1,2,2-Tetrachloroethane	N	ug/L	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U
1,1,2-trichloro-1,2,2-trifluoroethane	N	ug/L	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 5 U	NA	< 5 U
1,1,2-Trichloroethane	N	ug/L	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U
1,1-Dichloroethane	N	ug/L	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U
1,1-Dichloroethene	N	ug/L	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U
1,2,3-Trichloropropane	N	ug/L	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U
1,2,3-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	N	ug/L	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	**0.41 F**	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U
1,2,4-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	N	ug/L	< 1 U	NA	NA	NA	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 2 U	NA	NA	< 2 U	NA	< 2 U
1,2-Dibromoethane	N	ug/L	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U
1,2-Dichlorobenzene	N	ug/L	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U
1,2-Dichloroethane	N	ug/L	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U
1,2-Dichloroethene, Total	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	N	ug/L	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U
1,3,5-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	N	ug/L	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U
1,3-Dichloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	N	ug/L	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U
1,4-Dioxane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	N	ug/L	< 5 U	NA	NA	NA	NA	NA	< 5 U	NA	R	NA	< 5 U	NA	< 5 U	NA	< 10 U	NA	NA	< 5 U	NA	< 5 U

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006
		Sample Date	9/26/2003	1/13/2004	3/23/2004	6/28/2004	9/21/2004	12/15/2004	3/24/2005	6/23/2005	12/13/2005	6/27/2006	1/3/2007	7/10/2007	12/3/2007	6/24/2009	12/7/2009	6/23/2010	12/6/2010	12/6/2010	6/22/2011	12/6/2011
		Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**																				
2-Chloroethyl vinyl ether	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	N	ug/L	< 5 U	NA	NA	NA	NA	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 10 U	NA	NA	< 5 U	NA	< 5 U
Acetone	N	ug/L	< 5 U	NA	NA	NA	NA	NA	R	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 20 U	NA	NA	< 5 U	NA	< 5 U
Acrylonitrile	N	ug/L	< 5 U	NA	NA	NA	NA	NA	< 4 U	NA	< 4 U	NA	< 4 U	NA	< 4 U	NA	< 1 U	NA	NA	< 5 U	NA	< 5 U
Benzene	N	ug/L	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U
Bromochloromethane	N	ug/L	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U
Bromodichloromethane	N	ug/L	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U
Bromoform	N	ug/L	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U
Bromomethane	N	ug/L	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U
Carbon Disulfide	N	ug/L	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 5 U	NA	NA	< 1 U	NA	< 1 U
Carbon Tetrachloride	N	ug/L	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U
CFC-11	N	ug/L	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U
CFC-12	N	ug/L	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U
Chlorobenzene	N	ug/L	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U
Chlorodibromomethane	N	ug/L	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U
Chloroethane	N	ug/L	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 UM	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U
Chloroform	N	ug/L	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U
Chloromethane	N	ug/L	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	R	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U
cis-1,2-Dichloroethene	N	ug/L	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U
cis-1,3-Dichloropropene	N	ug/L	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U
Cyclohexane	N	ug/L	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	**6.2**	NA	**0.68**	NA	< 5 U	NA	NA	< 5 U	NA	< 5 U
Dibromomethane	N	ug/L	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U
Dichloromethane	N	ug/L	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 5 U	NA	NA	< 1 U	NA	< 1 U
Ethylbenzene	N	ug/L	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	**12.1**	NA	**0.39 F**	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U
Isopropylbenzene	N	ug/L	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	**6.82**	NA	**0.16 F**	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U
m&p-Xylenes	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	N	ug/L	< 5 U	NA	NA	NA	NA	NA	< 5 U	NA	< 5 U	NA	R	NA	< 5 U	NA	< 5 U	NA	NA	< 5 U	NA	< 5 U
Methyl N-Butyl Ketone (2-Hexanone)	N	ug/L	< 5 U	NA	NA	NA	NA	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	R	NA	< 5 UJ	NA	NA	< 5 U	NA	< 5 U
Methylcyclohexane	N	ug/L	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	**4.44**	NA	**0.18 F**	NA	< 5 U	NA	NA	< 5 U	NA	< 5 U
Methyl-tert-butylether	N	ug/L	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U
n-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenolics	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	N	ug/L	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U
tert-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	N	ug/L	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U
Toluene	N	ug/L	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U
Total Xylenes	N	ug/L	< 1.5 U	NA	NA	NA	NA	NA	< 1.5 U	NA	< 1.5 U	NA	**0.72 F**	NA	< 1.5 U	NA	< 3 U	NA	NA	< 1 U	NA	< 1 U
trans-1,2-Dichloroethene	N	ug/L	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U
trans-1,3-Dichloropropene	N	ug/L	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U
trans-1,4-Dichloro-2-butene	N	ug/L	< 0.5 U	NA	NA	NA	NA	NA	< 2 U	NA	< 2 U	NA	< 2 U	NA	< 2 U	NA	< 5 U	NA	NA	< 5 UJ	NA	< 5 U
Trichloroethene	N	ug/L	< 0.5 U	NA	NA	NA	NA	NA	**0.11 F**	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U
Vinyl acetate	N	ug/L	< 5 U	NA	NA	NA	NA	NA	R	NA	R	NA	R	NA	< 2 U	NA	< 5 U	NA	NA	< 5 UJ	NA	< 5 U
Vinyl chloride	N	ug/L	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U
Leachate Indicators																						
Ammonia Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromide	N	mg/L	< 0 U	NA	NA	NA	NA	NA	< 0 U	NA	< 0 UM	NA	< 0 UM	NA	**0.05 F**	NA	< 0 U	NA	NA	< 0 U	NA	< 0 U
Chloride	N	mg/L	**355 J**	NA	NA	NA	NA	NA	**320 M**	NA	**310 M**	NA	**320 M**	NA	**260 M**	NA	**420**	NA	**361 M**	NA	NA	NA
Fluoride (F-, Anion)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	N	mg/L	**27.1**	NA	NA	NA	NA	NA	**24.13**	NA	**29**	NA	**26 M**	NA	**25**	NA	**30 M**	NA	NA	**33.5**	NA	**23.6**
Total Kjeldahl Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorus as PO4	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity	N	mg/L	**179 B**	NA	NA	NA	NA	NA	**190**	NA	**230**	NA	**230**	NA	**200**	NA	NA	NA	NA	**212 M**	NA	**183**
Alkalinity (as CaCO3)	N	mg/L	**455 B**	NA	NA	NA	NA	NA	**228**	NA	**240 B**	NA	**320**	NA	**260**	NA	**328**	NA	NA	**240 M**	NA	**198**
Alkalinity, Bicarbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Carbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Hydroxide	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Biological Oxygen Demand	N	mg/L	**11.98 B**	NA	NA	NA	NA	NA	< 0 U	NA	< 0 U	NA	< 0 U	NA	< 0 U	NA	< 0 U	NA	NA	NA	NA	NA
Carbon	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	**2.49 J**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CBOD	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0 UM	NA	< 0 U
Chemical Oxygen Demand	N	mg/L	**26.2 M**	NA	NA	NA	NA	NA	**11.6 B**	NA	**9.3 F**	NA	**11 J**	NA	**17 J**	NA	< 0 UJ	NA	NA	< 0 UM	NA	< 0 U
Color	N	COLOR UNIT	< 0 U	NA	NA	NA	NA	NA	< 0 U	NA	10	NA	< 0 U	NA	< 0 U	NA	250	NA	NA	5	NA	< 0 U
Color	N	PCU	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	N	ug/L	**5 F**	NA	NA	NA	NA	NA	**5 F**	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	**47.8**	NA	**6.4 F**
Hardness (as CaCO3)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	N	PH UNITS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.62
Total Dissolved Solids	N	mg/L	**834 S**	NA	NA	NA	NA	NA	**866**	NA	**750**	NA	**850**	NA	**670**	NA	NA	NA	NA	**844**	NA	**622**
Total Dissolved Solids	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	**2.34 J**	NA	NA	NA	NA	NA	**1.8 J**	NA	NA	NA	**2 J**	NA	**3.7**	NA	**1.4 M**	NA	NA	**2.03 M**	NA	**1.94**
Total Organic Carbon 2	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-007
		Sample Date	6/21/2012	6/25/2013	6/18/2014	6/18/2014	7/6/2015	8/24/2017	8/1/2018	8/10/1988	1/10/1989	4/25/2001	6/21/2001	9/24/2001	12/13/2001	3/20/2002	6/19/2002	9/24/2002	12/19/2002	3/25/2003	6/20/2003	9/26/2003
		Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**																				
Metals																						
Aluminum	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	NA	< 200 U	NA	NA	NA	NA	< 70	NA	NA	**70.8 B**	NA	NA	NA	NA	**33.1 F**	< 200 U	**29.7 F**	NA	NA	< 200 U
Antimony	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 43	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	NA	< 1 U	NA	NA	NA	NA	< 1.0	NA	NA	< 4.1 U	NA	NA	NA	NA	**6.1 F**	**3.4 F**	< 50 U	NA	NA	< 50 U
Arsenic	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	**4.4**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	ug/L	NA	< 1 UJ	NA	NA	NA	NA	**15**	NA	NA	< 4.4 U	NA	NA	NA	NA	< 30 U	< 30 U	< 30 U	NA	NA	< 30 U
Barium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	**5.4**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	ug/L	NA	**7.3 F**	NA	NA	NA	NA	**86**	NA	NA	**20.8**	NA	NA	NA	NA	**15.3**	**17.1 J**	**17.3 F**	NA	NA	**20.5 F**
Beryllium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 1.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	NA	< 2 U	NA	NA	NA	NA	**0.089**	NA	NA	< 0.1 U	NA	NA	NA	NA	< 5 U	< 5 U	< 4 U	NA	NA	< 4 U
Boron	T	ug/L	NA	< 100 U	NA	NA	NA	NA	**15**	NA	NA	< 32.4 U	NA	NA	NA	NA	< 110 U	< 110 U	< 110 U	NA	NA	**28.2 F**
Cadmium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	ug/L	< 0.6 U	< 0.6 U	< 0.6 U	NA	< 0.6 U	< 1.0	< 1.0	NA	NA	< 0.4 U	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	< 5 U	< 5 U	< 5 U	< 5 U
Calcium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	**36100**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	**58900 M**	**46100 M**	**49100 M**	NA	**50300 M**	**62000**	**66000**	NA	NA	**70300**	**66069 M**	**69499 M**	**73247 J**	**67410 MJ**	**49404 MJ**	**63628 M**	**70293**	**74501 M**	**70875 M**	**72231**
Chromium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	**3**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	ug/L	NA	**284 M**	NA	**1490 M**	**54**	**8600**	**1.4**	NA	NA	**68.6**	NA	NA	NA	NA	**39.2**	**11.4 J**	**10**	NA	NA	**11.7**
Chromium VI	D	mg/L	NA	< 0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium VI	T	mg/L	NA	NA	NA	NA	NA	NA	< 0.010	NA	NA	< 0.01 UJ	NA	NA	NA	NA	R	NA	NA	NA	NA	< 0.01 U
Cobalt	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	**4.8**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	NA	**2.56 J**	NA	NA	NA	NA	**5.3**	NA	NA	< 0.6 U	NA	NA	NA	NA	< 6 U	< 6 U	< 60 U	NA	NA	< 60 U
Copper	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	**103**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	NA	**4.07 F**	NA	NA	NA	NA	< 1.8	NA	NA	**8.1 B**	NA	NA	NA	NA	< 10 U	< 10 U	**7 F**	NA	NA	< 10 U
Iron	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	**13300**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	**1230 M**	**1490 M**	**7710**	NA	**231**	**47000**	**880**	NA	NA	**769**	**332**	**394**	**780 J**	**461**	**457 M**	**350 J**	**594**	**703 J**	**402**	**1879**
Lead	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 0.91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	ug/L	< 1 U	< 1 U	< 1 U	NA	< 1 U	**0.27**	< 0.70	NA	NA	< 2.1 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U
Magnesium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	**72**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	**15300 M**	**11900**	**13100 M**	NA	**14200**	**18000**	**20000**	NA	NA	**24000**	**23644**	**25750**	**26460**	**27141**	**21423 MJ**	**26466**	**27225**	**27781 M**	**26668 M**	**27697**
Manganese	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 24	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	**81.2 M**	**245 J**	**707**	NA	**29**	**2400**	**190**	NA	NA	**388**	**126**	**166**	**435 B**	**191**	**207**	**183**	**305**	**180**	**127**	**513**
Mercury	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	NA	< 0.2 U	NA	NA	NA	NA	< 0.080	NA	NA	< 0.1 U	NA	NA	NA	NA	< 1 UM	NA	NA	NA	NA	< 1 U
Nickel	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 2360	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	NA	**27 M**	NA	NA	NA	NA	**6.1**	NA	NA	**37.8**	NA	NA	NA	NA	**22.1**	**5.4 F**	**7.7 F**	NA	NA	**18 F**
Potassium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	**10**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	**1180**	**1080**	**1250 M**	NA	**1190**	**1400**	**1400**	NA	NA	**7430 J**	**4730 J**	**2823 J**	**7892**	**11986**	**15444**	**10729**	**8085**	**5242**	**6850**	**7521**
Selenium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 4.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	NA	**0.505 F**	NA	NA	NA	NA	< 2.0	NA	NA	< 9.9 U	NA	NA	NA	NA	< 30 U	< 30 U	**6.1 F**	NA	NA	**19 F**
Silver	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	**6440**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	NA	< 1 U	NA	NA	NA	NA	< 0.10	NA	NA	< 0.9 U	NA	NA	NA	NA	< 10 U	< 10 U	< 10 U	NA	NA	< 10 U
Sodium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 2.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	**189000 M**	**158000**	**151000**	NA	**129000**	**190000**	**130000**	NA	NA	**83200**	**82171**	**88558**	**92330**	**96204 M**	**82350 MJ**	**106452 M**	**111361**	**109812 M**	**103028 M**	**110003**
Thallium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	NA	< 0.2 U	NA	NA	NA	NA	< 0.20	NA	NA	< 4.3 U	NA	NA	NA	NA	< 80 U	**4.4 F**	**9.5 F**	NA	NA	< 80 U
Vanadium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	**15**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	NA	< 20 UM	NA	NA	NA	NA	**2.0**	NA	NA	< 1 U	NA	NA	NA	NA	< 10 U	< 10 U	**1.8 F**	NA	NA	< 10 U
Zinc	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	NA	< 20 U	NA	NA	NA	NA	**19**	NA	NA	**51.8**	NA	NA	NA	NA	**13.8**	**10.4**	**9.6 F**	NA	NA	**3.9 F**
Total Recoverable Phenolics	N	mg/L	NA	**0.0034 F**	NA	NA	NA	NA	NA	NA	NA	< 0.005 UJ	NA	NA	NA	NA	< 0.005 UM	NA	NA	NA	NA	**0.0049 J**
VOCs																						
1,1,1-Trichloroethane	N	ug/L	NA	< 1 U	NA	NA	NA	NA	< 0.40	NA	< 5 [< 0.3]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U
1,1,2,2-Tetrachloroethane	N	ug/L	NA	< 1 U	NA	NA	NA	NA	< 0.80	NA	< 5 [< 0.3]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U
1,1,2-trichloro-1,2,2-trifluoroethane	N	ug/L	NA	< 5 U	NA	NA	NA	NA	< 1.6	NA	< 1	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U
1,1,2-Trichloroethane	N	ug/L	NA	< 1 U	NA	NA	NA	NA	< 0.80	NA	< 5 [< 0.2]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U
1,1-Dichloroethane	N	ug/L	NA	< 1 U	NA	NA	NA	NA	< 0.80	NA	< 5 [< 0.4]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U
1,1-Dichloroethene	N	ug/L	NA	< 1 U	NA	NA	NA	NA	< 0.80	NA	< 5 [< 0.3]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U
1,2,3-Trichloropropane	N	ug/L	NA	< 1 U	NA	NA	NA	NA	< 0.80	NA	NA	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U
1,2,3-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	N	ug/L	NA	< 1 U	NA	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U
1,2,4-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	N	ug/L	NA	< 2 U	NA	NA	NA	NA	< 1.6	NA	NA	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 1 U
1,2-Dibromoethane	N	ug/L	NA	< 1 U	NA	NA	NA	NA	< 0.40	NA	NA	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U
1,2-Dichlorobenzene	N	ug/L	NA	< 1 U	NA	NA	NA	NA	< 0.40	NA	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U
1,2-Dichloroethane	N	ug/L	NA	< 1 U	NA	NA	NA	NA	< 0.40	NA	< 5 [< 0.3]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U
1,2-Dichloroethene, Total	N	ug/L	NA	NA	NA	NA	NA	NA	NA	< 5	< 5 [< 0.5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	N	ug/L	NA	< 1 U	NA	NA	NA	NA	< 0.40	< 5	< 5 [< 0.2]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U
1,3,5-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	N	ug/L	NA	< 1 U	NA	NA	NA	NA	< 0.40	NA	< 1	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U
1,3-Dichloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	N	ug/L	NA	< 1 U	NA	NA	NA	NA	< 0.40	NA	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U
1,4-Dioxane	N	ug/L	NA	NA	NA	NA	NA	NA	< 160	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	N	ug/L	NA	< 5 UJ	NA	NA	NA	NA	< 4.0	< 10	< 10	NA	NA	NA	NA	NA	< 5 UM	NA	NA	NA	NA	< 5 U

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-006	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-007
		Sample Date	6/21/2012	6/25/2013	6/18/2014	6/18/2014	7/6/2015	8/24/2017	8/1/2018	8/10/1988	1/10/1989	4/25/2001	6/21/2001	9/24/2001	12/13/2001	3/20/2002	6/19/2002	9/24/2002	12/19/2002	3/25/2003	6/20/2003	9/26/2003
		Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**																				
2-Chloroethyl vinyl ether	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	< 0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	N	ug/L	NA	< 5 UJ	NA	NA	NA	NA	< 3.2	< 10	< 10	< 2 U	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	< 5 U
Acetone	N	ug/L	NA	< 5 U	NA	NA	NA	NA	**11**	< 10	< 10	NA	NA	NA	NA	NA	< 10 UM	NA	NA	NA	NA	< 5 U
Acrylonitrile	N	ug/L	NA	< 5 U	NA	NA	NA	NA	< 4.0	NA	NA	NA	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	< 5 U
Benzene	N	ug/L	NA	< 1 U	NA	NA	NA	NA	< 0.40	< 5	< 5	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U
Bromochloromethane	N	ug/L	NA	< 1 U	NA	NA	NA	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U
Bromodichloromethane	N	ug/L	NA	< 1 U	NA	NA	NA	NA	< 0.40	< 5	< 5 [< 0.4]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U
Bromoform	N	ug/L	NA	< 1 U	NA	NA	NA	NA	< 0.40	NA	< 5 [< 0.5]	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U
Bromomethane	N	ug/L	NA	< 1 U	NA	NA	NA	NA	< 0.80	NA	< 10 [< 0.5]	< 2 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U
Carbon Disulfide	N	ug/L	NA	< 1 U	NA	NA	NA	NA	< 1.6	NA	< 5	< 1 U	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	< 0.5 U
Carbon Tetrachloride	N	ug/L	NA	< 1 U	NA	NA	NA	NA	< 0.40	NA	< 5 [< 0.3]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U
CFC-11	N	ug/L	NA	< 1 U	NA	NA	NA	NA	< 0.80	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U
CFC-12	N	ug/L	NA	< 1 UJ	NA	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U
Chlorobenzene	N	ug/L	NA	< 1 U	NA	NA	NA	NA	< 0.40	< 5	< 5 [< 0.4]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U
Chlorodibromomethane	N	ug/L	NA	< 1 U	NA	NA	NA	NA	< 0.40	NA	< 5 [< 0.4]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U
Chloroethane	N	ug/L	NA	< 1 UJ	NA	NA	NA	NA	< 1.6	NA	< 10 [< 0.5]	< 2 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U
Chloroform	N	ug/L	NA	< 1 U	NA	NA	NA	NA	< 0.40	**1**	< 5 [< 0.2]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U
Chloromethane	N	ug/L	NA	< 1 U	NA	NA	NA	NA	< 0.80	NA	< 10 [< 0.5]	< 2 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U
cis-1,2-Dichloroethene	N	ug/L	NA	< 1 U	NA	NA	NA	NA	< 0.40	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U
cis-1,3-Dichloropropene	N	ug/L	NA	< 1 U	NA	NA	NA	NA	< 0.40	NA	< 5 [< 0.3]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U
Cyclohexane	N	ug/L	NA	< 5 UJ	NA	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U
Dibromomethane	N	ug/L	NA	< 1 U	NA	NA	NA	NA	< 0.40	NA	NA	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U
Dichloromethane	N	ug/L	NA	< 1 U	NA	NA	NA	NA	< 0.80	**6**	< 5 [< 1]	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U
Ethylbenzene	N	ug/L	NA	< 1 U	NA	NA	NA	NA	< 0.40	< 5	< 5	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U
Isopropylbenzene	N	ug/L	NA	< 1 U	NA	NA	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U
m&p-Xylenes	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	N	ug/L	NA	< 5 U	NA	NA	NA	NA	< 4.0	NA	NA	NA	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	< 5 U
Methyl N-Butyl Ketone (2-Hexanone)	N	ug/L	NA	< 5 UJ	NA	NA	NA	NA	< 4.0	< 10	< 10	< 2 U	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	< 5 U
Methylcyclohexane	N	ug/L	NA	< 5 U	NA	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U
Methyl-tert-butylether	N	ug/L	NA	< 1 U	NA	NA	NA	NA	< 0.80	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U
n-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenolics	N	mg/L	NA	NA	NA	NA	NA	NA	< 0.010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	N	ug/L	NA	< 1 U	NA	NA	NA	NA	< 0.40	NA	< 5	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U
tert-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	N	ug/L	NA	< 1 U	NA	NA	NA	NA	< 0.40	< 5	< 5 [< 0.2]	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U
Toluene	N	ug/L	NA	< 1 U	NA	NA	NA	NA	< 0.40	< 5	< 5	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U
Total Xylenes	N	ug/L	NA	< 1 U	NA	NA	NA	NA	< 0.80	< 5	< 5	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 1.5 U
trans-1,2-Dichloroethene	N	ug/L	NA	< 1 U	NA	NA	NA	NA	< 0.40	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U
trans-1,3-Dichloropropene	N	ug/L	NA	< 1 U	NA	NA	NA	NA	< 0.40	NA	< 5 [< 0.3]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U
trans-1,4-Dichloro-2-butene	N	ug/L	NA	< 5 UJ	NA	NA	NA	NA	< 1.6	NA	NA	< 1 U	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	< 0.5 U
Trichloroethene	N	ug/L	NA	< 1 U	NA	NA	NA	NA	< 0.40	< 5	< 5 [< 0.5]	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U
Vinyl acetate	N	ug/L	NA	< 5 UJ	NA	NA	NA	NA	< 2.0	NA	< 10	< 4 U	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	< 5 U
Vinyl chloride	N	ug/L	NA	< 1 U	NA	NA	NA	NA	< 0.20	< 10	< 10 [< 0.3]	< 2 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U
Leachate Indicators																						
Ammonia Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	< 0.050	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromide	N	mg/L	NA	< 0.4 U	NA	NA	NA	NA	< 0.20	NA	NA	< 0 U	NA	NA	NA	NA	RU	NA	NA	NA	NA	< 0 U
Chloride	N	mg/L	NA	**221 J**	NA	NA	NA	NA	**230**	NA	NA	**187**	NA	NA	NA	NA	**192 M**	NA	NA	NA	NA	**246 J**
Fluoride (F-, Anion)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	N	mg/L	NA	NA	NA	NA	NA	NA	**2.0**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	N	mg/L	NA	**21.5**	NA	NA	NA	NA	**18**	NA	NA	**37.1**	NA	NA	NA	NA	**31.4**	NA	NA	NA	NA	**43**
Total Kjeldahl Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	< 0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorus as PO4	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity	N	mg/L	NA	**168**	NA	NA	NA	NA	**160**	NA	NA	**130**	NA	NA	NA	NA	**136 S**	NA	NA	NA	NA	**141 B**
Alkalinity (as CaCO3)	N	mg/L	NA	**170**	NA	NA	NA	NA	NA	NA	NA	**263**	NA	NA	NA	NA	**271 B**	NA	NA	NA	NA	**495 B**
Alkalinity, Bicarbonate	N	mg/L	NA	NA	NA	NA	NA	NA	**160**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Carbonate	N	mg/L	NA	NA	NA	NA	NA	NA	< 5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Hydroxide	N	mg/L	NA	NA	NA	NA	NA	NA	< 5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Biological Oxygen Demand	N	mg/L	NA	NA	NA	NA	NA	NA	< 0.59	NA	NA	**27**	NA	NA	NA	NA	R	NA	NA	NA	NA	**9.36 B**
Carbon	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CBOD	N	mg/L	NA	< 0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chemical Oxygen Demand	N	mg/L	NA	< 0 U	NA	NA	NA	NA	< 10	NA	NA	**140**	NA	NA	NA	NA	**17.5 B**	NA	NA	NA	NA	**46.1 M**
Color	N	COLOR UNIT	NA	< 0 U	NA	NA	NA	NA	NA	NA	NA	< 0 U	NA	NA	NA	NA	5 B	NA	NA	NA	NA	< 0 U
Color	N	PCU	NA	NA	NA	NA	NA	NA	< 5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	N	ug/L	NA	< 1 U	NA	NA	NA	NA	< 5	NA	NA	< 0 U	NA	NA	NA	NA	< 0 U	NA	NA	NA	NA	< 0 U
Hardness (as CaCO3)	N	mg/L	NA	NA	NA	NA	NA	NA	**240**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	N	PH UNITS	NA	NA	NA	NA	NA	NA	NA	NA	5.2 [5.3 [5.3]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids	N	mg/L	NA	**544**	NA	NA	NA	NA	**590**	NA	NA	**500**	NA	NA	NA	NA	**642 SB**	NA	NA	NA	NA	**650 S**
Total Dissolved Solids	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	NA	**1.53 B**	NA	NA	NA	NA	NA	NA	NA	**12 J**	NA	NA	NA	NA	**5.03 S**	NA	NA	NA	NA	**3.09 J**
Total Organic Carbon 2	N	mg/L	NA	NA	NA	NA	NA	NA	**0.87**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-007
		Sample Date	1/13/2004	3/23/2004	6/28/2004	9/21/2004	12/15/2004	3/24/2005	6/23/2005	12/13/2005	6/27/2006	1/3/2007	7/10/2007	12/3/2007	6/24/2009	12/7/2009	6/23/2010	12/7/2010	12/7/2010	6/22/2011	12/6/2011	6/21/2012
		Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**																				
Metals																						
Aluminum	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	NA	NA	NA	NA	NA	**30 F**	NA	**49.7 F**	NA	< 200 U	NA	**290**	NA	< 200 UJ	NA	NA	< 100 U	< 100 U	< 100 U	NA
Antimony	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	NA	NA	NA	NA	NA	< 50 U	NA	< 50 U	NA	< 50 U	NA	**3.37 F**	NA	**0.59 F**	NA	NA	< 1 U	< 1 U	**0.876 F**	NA
Arsenic	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	ug/L	NA	NA	NA	NA	NA	< 30 U	NA	< 30 U	NA	< 30 U	NA	< 30 U	NA	**0.75 F**	NA	NA	< 1 UM	< 1 UJ	< 1 U	NA
Barium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	ug/L	NA	NA	NA	NA	NA	**17.1 F**	NA	**17.2 F**	NA	**16 F**	NA	**20.3 F**	NA	**23**	NA	NA	**21.1**	**24.4 B**	**19.2**	NA
Beryllium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	NA	NA	NA	NA	NA	< 4 U	NA	< 4 U	NA	< 4 U	NA	< 4 U	NA	< 1 U	NA	NA	< 2 U	< 2 U	**0.578 F**	NA
Boron	T	ug/L	NA	NA	NA	NA	NA	**6 F**	NA	NA	NA	< 50 U	NA	**10.6 F**	NA	**9.6 F**	NA	NA	< 100 U	< 100 U	< 100 U	NA
Cadmium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	ug/L	< 5 U	< 5 U	< 5 U	< 5 U	**0.33 F**	< 5 U	**0.26 F**	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	**0.4 F**	**0.086 F**	**0.339 F**	NA	< 0.6 U	**0.519 F**	**0.45 F**	**0.934 B**
Calcium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	**70504**	**67515**	**63896 M**	**61613 M**	**66887 M**	**56050 M**	**56000 M**	**54400**	**51500**	**60700**	**69000 M**	**66900**	**64000**	**74000 M**	**80100 M**	**93100 M**	NA	**85800 B**	**77800**	**65800 M**
Chromium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	ug/L	NA	NA	NA	NA	NA	**24 J**	NA	**24.1 J**	NA	**15.2**	NA	**340**	NA	**55**	NA	NA	**15.4 M**	**130 M**	**242**	NA
Chromium VI	D	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1 U	NA	< 0.01 U	NA
Chromium VI	T	mg/L	NA	NA	NA	NA	NA	**0.003 J**	NA	R	NA	< 0.01 U	NA	< 0.01 U	NA	**0.0038 F**	NA	NA	NA	NA	NA	NA
Cobalt	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	NA	NA	NA	NA	NA	< 60 U	NA	< 60 U	NA	< 60 U	NA	< 60 U	NA	**0.92 F**	NA	NA	< 1 UM	**1.92**	**4.54**	NA
Copper	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	NA	NA	NA	NA	NA	R	NA	< 10 U	NA	< 10 U	NA	**6.16 F**	NA	**2.6**	NA	NA	< 5 U	< 5 UJ	< 5 U	NA
Iron	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	**826**	**608**	**412 J**	**393**	**606 J**	**822 J**	**980 M**	**753 J**	**1080 J**	**704 J**	**1200 M**	**2990**	**1500 M**	**2000**	**1130 M**	NA	**526 M**	**1850 M**	**2600**	**3010 M**
Lead	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	ug/L	< 25 U	**5.4 F**	< 25 U	**1.5 F**	< 25 U	**1.4 J**	R	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	**0.3 F**	**0.58 F**	**0.68 F**	NA	< 1 U	< 1 U	< 1 U	**0.639 F**
Magnesium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	**27031**	**25725 M**	**25749**	**24280**	**25228**	**21800**	**22000**	**21800**	**24400**	**25700**	**28200**	**26900**	**26000**	**31000**	**29000 M**	NA	**31900**	**32500 B**	**30000**	**25600 M**
Manganese	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	**306**	**239**	**220**	**104**	**317**	**238 J**	**630**	**533 J**	**191**	**175 J**	**377 M**	**620**	**130 M**	**200**	**185 M**	NA	**110 M**	**281**	**474**	**849 M**
Mercury	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	NA	NA	NA	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	**0.076 F**	NA	NA	< 0.2 U	< 0.2 U	< 0.2 U	NA
Nickel	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	NA	NA	NA	NA	NA	**15 J**	NA	**10.6 J**	NA	**35.6**	NA	**353**	NA	**66**	NA	NA	**16.9 M**	NA	NA	NA
Potassium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	**7688**	**5965**	**5999**	**5758**	**3403 J**	**1930 J**	**6700 J**	**3020 J**	**5240**	**5400 J**	**5180 J**	**5120**	**4600**	**2200**	**2030 M**	NA	**1760**	**3610 B**	**4140**	**4160**
Selenium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	NA	NA	NA	NA	NA	< 30 U	NA	< 30 U	NA	< 30 U	NA	< 30 U	NA	**0.53 F**	NA	NA	< 1 U	< 1 U	**0.569 F**	NA
Silver	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	NA	NA	NA	NA	NA	**1 F**	NA	< 10 U	NA	< 10 U	NA	< 10 U	NA	< 1 UM	NA	NA	< 1 U	< 1 U	< 1 U	NA
Sodium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	**113264**	**124204 M**	**123282**	**133671 M**	**142096 M**	**135200**	**130000 M**	**114000**	**124000**	**115000 J**	**117000 M**	**117000**	**99000 M**	**130000**	**135000 M**	**175000 M**	NA	**151000 B**	**152000**	**128000 M**
Thallium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	NA	NA	NA	NA	NA	< 80 U	NA	< 80 U	NA	< 80 U	NA	< 80 U	NA	< 1 U	NA	NA	< 0.2 UM	< 0.2 U	< 0.2 U	NA
Vanadium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	NA	NA	NA	NA	NA	R	NA	< 10 U	NA	< 10 U	NA	**1.79 F**	NA	**0.52 F**	NA	NA	< 1 UM	< 1 U	NA	NA
Zinc	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	NA	NA	NA	NA	NA	**67**	NA	**46.6**	NA	**12.9 F**	NA	**60.1 J**	NA	**9.9 M**	NA	NA	**6.15 F**	**10.7 F**	**24.1**	NA
Total Recoverable Phenolics	N	mg/L	NA	NA	NA	NA	NA	**0.0026 F**	NA	< 0.005 U	NA	< 0.005 U	NA	< 0.005 U	NA	**0.0041 M**	NA	NA	< 0.0056 U	NA	< 0.005 U	NA
VOCs																						
1,1,1-Trichloroethane	N	ug/L	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA
1,1,2,2-Tetrachloroethane	N	ug/L	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA
1,1,2-trichloro-1,2,2-trifluoroethane	N	ug/L	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 5 U	NA	< 5 U	NA
1,1,2-Trichloroethane	N	ug/L	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA
1,1-Dichloroethane	N	ug/L	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA
1,1-Dichloroethene	N	ug/L	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA
1,2,3-Trichloropropane	N	ug/L	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA
1,2,3-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	N	ug/L	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA
1,2,4-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	N	ug/L	NA	NA	NA	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 2 U	NA	NA	< 2 U	NA	< 2 U	NA
1,2-Dibromoethane	N	ug/L	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA
1,2-Dichlorobenzene	N	ug/L	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA
1,2-Dichloroethane	N	ug/L	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA
1,2-Dichloroethene, Total	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	N	ug/L	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA
1,3,5-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	N	ug/L	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA
1,3-Dichloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	N	ug/L	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA
1,4-Dioxane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	N	ug/L	NA	NA	NA	NA	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 10 U	NA	NA	< 5 U	NA	< 5 U	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-007
		Sample Date	1/13/2004	3/23/2004	6/28/2004	9/21/2004	12/15/2004	3/24/2005	6/23/2005	12/13/2005	6/27/2006	1/3/2007	7/10/2007	12/3/2007	6/24/2009	12/7/2009	6/23/2010	12/7/2010	12/7/2010	6/22/2011	12/6/2011	6/21/2012
		Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**																				
2-Chloroethyl vinyl ether	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	N	ug/L	NA	NA	NA	NA	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 10 U	NA	NA	< 5 U	NA	< 5 U	NA
Acetone	N	ug/L	NA	NA	NA	NA	NA	R	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 20 U	NA	NA	< 5 U	NA	< 5 U	NA
Acrylonitrile	N	ug/L	NA	NA	NA	NA	NA	< 4 U	NA	< 4 U	NA	< 4 U	NA	< 4 U	NA	< 1 U	NA	NA	< 5 U	NA	< 5 U	NA
Benzene	N	ug/L	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA
Bromochloromethane	N	ug/L	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA
Bromodichloromethane	N	ug/L	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA
Bromoform	N	ug/L	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA
Bromomethane	N	ug/L	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA
Carbon Disulfide	N	ug/L	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 5 U	NA	NA	< 1 U	NA	< 1 U	NA
Carbon Tetrachloride	N	ug/L	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA
CFC-11	N	ug/L	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA
CFC-12	N	ug/L	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA
Chlorobenzene	N	ug/L	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA
Chlorodibromomethane	N	ug/L	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA
Chloroethane	N	ug/L	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 UM	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA
Chloroform	N	ug/L	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA
Chloromethane	N	ug/L	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	R	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA
cis-1,2-Dichloroethene	N	ug/L	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA
cis-1,3-Dichloropropene	N	ug/L	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA
Cyclohexane	N	ug/L	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 5 U	NA	NA	< 5 U	NA	< 5 U	NA
Dibromomethane	N	ug/L	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA
Dichloromethane	N	ug/L	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 5 U	NA	NA	< 1 U	NA	< 1 U	NA
Ethylbenzene	N	ug/L	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA
Isopropylbenzene	N	ug/L	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA
m&p-Xylenes	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	N	ug/L	NA	NA	NA	NA	NA	< 5 U	NA	< 5 U	NA	R	NA	< 5 U	NA	< 5 U	NA	NA	< 5 U	NA	< 5 U	NA
Methyl N-Butyl Ketone (2-Hexanone)	N	ug/L	NA	NA	NA	NA	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	R	NA	< 5 UJ	NA	NA	< 5 U	NA	< 5 U	NA
Methylcyclohexane	N	ug/L	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 5 U	NA	NA	< 5 U	NA	< 5 U	NA
Methyl-tert-butylether	N	ug/L	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA
n-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenolics	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	N	ug/L	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA
tert-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	N	ug/L	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA
Toluene	N	ug/L	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA
Total Xylenes	N	ug/L	NA	NA	NA	NA	NA	< 1.5 U	NA	< 1.5 U	NA	< 1.5 U	NA	< 1.5 U	NA	< 3 U	NA	NA	< 1 U	NA	< 1 U	NA
trans-1,2-Dichloroethene	N	ug/L	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA
trans-1,3-Dichloropropene	N	ug/L	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA
trans-1,4-Dichloro-2-butene	N	ug/L	NA	NA	NA	NA	NA	< 2 U	NA	< 2 U	NA	< 2 U	NA	< 2 U	NA	< 5 UJ	NA	NA	< 5 UJ	NA	< 5 U	NA
Trichloroethene	N	ug/L	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA
Vinyl acetate	N	ug/L	NA	NA	NA	NA	NA	R	NA	< 2 U	NA	R	NA	< 2 U	NA	< 5 U	NA	NA	< 5 UJ	NA	< 5 U	NA
Vinyl chloride	N	ug/L	NA	NA	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA
Leachate Indicators																						
Ammonia Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromide	N	mg/L	NA	NA	NA	NA	NA	< 0 U	NA	< 0 UM	NA	< 0 M	NA	**0.048 F**	NA	< 0 U	NA	NA	< 0 U	NA	< 0 U	NA
Chloride	N	mg/L	NA	NA	NA	NA	NA	**224 M**	NA	**210 M**	NA	**240 M**	NA	**240 M**	NA	**320**	NA	**343 M**	NA	NA	NA	NA
Fluoride (F-, Anion)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	N	mg/L	NA	NA	NA	NA	NA	**34.87**	NA	**34**	NA	**32 M**	NA	**31**	NA	**32 M**	NA	NA	**34.6**	NA	**30.6**	NA
Total Kjeldahl Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorus as PO4	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity	N	mg/L	NA	NA	NA	NA	NA	**158**	NA	**160**	NA	**170**	NA	**170**	NA	NA	NA	NA	**166 M**	NA	**183**	NA
Alkalinity (as CaCO3)	N	mg/L	NA	NA	NA	NA	NA	**232**	NA	**240 B**	NA	**270**	NA	**300**	NA	**318**	NA	NA	**340 M**	NA	**316**	NA
Alkalinity, Bicarbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Carbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Hydroxide	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Biological Oxygen Demand	N	mg/L	NA	NA	NA	NA	NA	**6.9**	NA	**5.2**	NA	< 0 U	NA	< 0 U	NA	**12**	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	NA	NA	NA	NA	NA	NA	NA	**2.08 J**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CBOD	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0 UM	NA	**3.41**	NA
Chemical Oxygen Demand	N	mg/L	NA	NA	NA	NA	NA	< 0 U	NA	**29**	NA	**40 J**	NA	**17 J**	NA	**34 J**	NA	NA	< 0 UM	NA	**15.8 F**	NA
Color	N	COLOR UNIT	NA	NA	NA	NA	NA	10	NA	10	NA	< 0 U	NA	< 0 U	NA	30	NA	NA	5	NA	5	NA
Color	N	PCU	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	N	ug/L	NA	NA	NA	NA	NA	< 0 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	< 1 U	NA	**12.8**	NA
Hardness (as CaCO3)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	N	PH UNITS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.54	NA
Total Dissolved Solids	N	mg/L	NA	NA	NA	NA	NA	**640**	NA	**580**	NA	**640**	NA	**610**	NA	NA	NA	NA	**676**	NA	**584**	NA
Total Dissolved Solids	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	NA	NA	NA	NA	NA	**3.9 J**	NA	NA	NA	**7.2 J**	NA	**2.5**	NA	**2.7 M**	NA	NA	**1.16 M**	NA	**5.62**	NA
Total Organic Carbon 2	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008
		Sample Date	6/25/2013	6/18/2014	7/7/2015	8/24/2017	8/1/2018	8/9/1988	1/11/1989	9/18/1991	11/26/1991	4/25/2001	4/25/2001	6/26/2001	9/20/2001	12/17/2001	3/21/2002	6/19/2002	9/20/2002	12/18/2002	3/25/2003	6/20/2003
		Sample Type	N	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**																				
Metals																						
Aluminum	D	ug/L	NA	NA	NA	NA	NA	NA	< 250	**27.9**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	< 200 U	NA	NA	NA	**23**	NA	NA	**63.1**	NA	**23.5 B**	**15.9 B**	NA	NA	NA	NA	**23.6 F**	< 200 U	< 200 U	NA	NA
Antimony	D	ug/L	NA	NA	NA	NA	NA	NA	< 43	< 47	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	< 1 U	NA	NA	NA	< 1.0	NA	NA	< 47	NA	< 4.1 U	< 4.1 U	NA	NA	NA	NA	**7.9 F**	< 50 U	< 50 U	NA	NA
Arsenic	D	ug/L	NA	NA	NA	NA	NA	NA	< 1.6	< 3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	ug/L	**2.35 J**	NA	NA	NA	**17**	NA	NA	< 3	NA	< 4.4 U	< 4.4 U	NA	NA	NA	NA	**5.9 F**	< 30 U	< 30 U	NA	NA
Barium	D	ug/L	NA	NA	NA	NA	NA	NA	**9.4**	**30.3**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	ug/L	**21.4**	NA	NA	NA	**190**	NA	NA	**33.6**	NA	**28.7**	**26.5**	NA	NA	NA	NA	**18.8**	**25.5 J**	**21.9 F**	NA	NA
Beryllium	D	ug/L	NA	NA	NA	NA	NA	NA	< 1.1	< 1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	< 2 U	NA	NA	NA	< 0.30	NA	NA	< 1	NA	< 0.1 U	< 0.1 U	NA	NA	NA	NA	< 5 U	< 5 U	< 4 U	NA	NA
Boron	T	ug/L	< 100 U	NA	NA	NA	**12**	NA	NA	NA	NA	< 32.4 U	< 32.4 U	NA	NA	NA	NA	< 110 U	< 110 U	< 110 U	NA	NA
Cadmium	D	ug/L	NA	NA	NA	NA	NA	NA	< 4.3	< 5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	ug/L	**0.385 F**	< 0.6 U	< 0.6 U	**0.84**	< 1.0	NA	NA	< 5	NA	< 0.4 U	< 0.4 U	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	< 5 U	< 5 U	< 5 U
Calcium	D	ug/L	NA	NA	NA	NA	NA	NA	**78000**	**83500**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	**59200 M**	**72900 M**	**68500 M**	**120000**	**51000**	NA	NA	**83800**	NA	**101000**	**97500**	**97481 M**	**109547 M**	**101822**	**82783 MJ**	**64438 MJ**	**76061 M**	**81292**	**76133 M**	**74538 M**
Chromium	D	ug/L	NA	NA	NA	NA	NA	NA	< 5	**44**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	ug/L	**1570 M**	**50.4 M**	**3.42**	**170**	< 1.8	NA	NA	**247**	NA	**331 J**	**122 J**	NA	NA	NA	NA	**83**	**68.9 J**	**28**	NA	NA
Chromium VI	D	mg/L	< 0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium VI	T	mg/L	NA	NA	NA	NA	< 0.010	NA	NA	NA	NA	**0.011 J**	< 0.01 UJ	NA	NA	NA	NA	< 0.01 U	NA	NA	NA	NA
Cobalt	D	ug/L	NA	NA	NA	NA	NA	NA	**11**	**6**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	**4.13 J**	NA	NA	NA	**2.7**	NA	NA	**15.5**	NA	**3.1 B**	**1.8 B**	NA	NA	NA	NA	< 6 U	< 6 U	**3 F**	NA	NA
Copper	D	ug/L	NA	NA	NA	NA	NA	NA	**4.8**	**11.8**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	**13.5**	NA	NA	NA	< 1.8	NA	NA	**10.7**	NA	**9.1 B**	**4.1 B**	NA	NA	NA	NA	**1.8 F**	< 10 U	**5.2 F**	NA	NA
Iron	D	ug/L	NA	NA	NA	NA	NA	NA	**111**	**168**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	**8570 M**	**774**	**826**	**930000**	**8900**	NA	NA	**4610**	NA	**5250**	**3540**	**5666**	**5089**	**2504 J**	**3141**	**4176 M**	**2590 J**	**2569**	**3236 J**	**8960**
Lead	D	ug/L	NA	NA	NA	NA	NA	NA	< 0.91	**42.1**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	ug/L	**1.23**	< 1 U	< 1 U	**0.74**	< 0.70	NA	NA	< 2	NA	< 2.1 U	< 2.1 U	**2.38 F**	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	**4.4 F**
Magnesium	D	ug/L	NA	NA	NA	NA	NA	NA	**243000**	**24000**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	**25000**	**28000 M**	**25800**	**24000**	**19000**	NA	NA	**23900**	NA	**25500**	**25200**	**21019**	**26517**	**25377**	**23356**	**20184 MJ**	**21945**	**24250**	**19199 M**	**19556 M**
Manganese	D	ug/L	NA	NA	NA	NA	NA	NA	**342**	**1390**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	**563 J**	**114**	**90**	**15000**	**98**	NA	NA	**5610**	NA	**1520**	**1490**	**1644**	**1574**	**1557 B**	**1322**	**984**	**1239**	**1284**	**1280**	**1145**
Mercury	D	ug/L	NA	NA	NA	NA	NA	NA	< 0.2	< 0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	< 0.2 U	NA	NA	NA	< 0.080	NA	NA	< 2	NA	< 0.1 U	< 0.1 U	NA	NA	NA	NA	< 1 UM	NA	NA	NA	NA
Nickel	D	ug/L	NA	NA	NA	NA	NA	NA	< 24	**22.9**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	**164 M**	NA	NA	NA	**10**	NA	NA	**142**	NA	**19.7 B**	**9.4 B**	NA	NA	NA	NA	< 10 U	**23.4 J**	**9.1 F**	NA	NA
Potassium	D	ug/L	NA	NA	NA	NA	NA	NA	**3140**	**1760**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	**7490**	**2100 M**	**1660**	**2900**	**2000**	NA	NA	< 974	NA	**1730 J**	**1770 J**	**1261 J**	**1847 J**	**1622 J**	**1559**	**1484**	**1081**	**819 F**	**1392**	**700 F**
Selenium	D	ug/L	NA	NA	NA	NA	NA	NA	**10**	**10**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	**0.59 F**	NA	NA	NA	< 2.0	NA	NA	**2**	NA	< 9.9 U	< 9.9 U	NA	NA	NA	NA	< 30 U	< 30 U	< 30 U	NA	NA
Silver	D	ug/L	NA	NA	NA	NA	NA	NA	< 4.3	< 4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	< 1 U	NA	NA	NA	< 0.10	NA	NA	< 40	NA	< 0.9 U	< 0.9 U	NA	NA	NA	NA	< 10 U	< 10 U	< 10 U	NA	NA
Sodium	D	ug/L	NA	NA	NA	NA	NA	NA	**75900**	**109000**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	**138000**	**171000**	**158000**	**130000**	**130000**	NA	NA	**109000**	NA	**133000**	**133000**	**123840**	**147633**	**162162**	**151885 M**	**116881 MJ**	**130939 M**	**143030**	**132768 M**	**99453 M**
Thallium	D	ug/L	NA	NA	NA	NA	NA	NA	< 2	< 1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	< 0.2 U	NA	NA	NA	< 0.20	NA	NA	< 1	NA	< 4.3 U	< 4.3 U	NA	NA	NA	NA	**6.8 F**	**12.2 F**	**17 F**	NA	NA
Vanadium	D	ug/L	NA	NA	NA	NA	NA	NA	**9.6**	< 7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	< 100 UM	NA	NA	NA	< 2.0	NA	NA	< 7	NA	**3.4 B**	**1.6 B**	NA	NA	NA	NA	< 10 U	< 10 U	< 10 U	NA	NA
Zinc	D	ug/L	NA	NA	NA	NA	NA	NA	**11**	< 1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	**6.58 F**	NA	NA	NA	**6.2**	NA	NA	< 1	NA	**3 B**	**7.4 B**	NA	NA	NA	NA	**10.2**	**7.9 F**	**5.5 F**	NA	NA
Total Recoverable Phenolics	N	mg/L	< 0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	< 0.005 UJ	< 0.005 UJ	NA	NA	NA	NA	< 0.005 UM	NA	NA	NA	NA
VOCs																						
1,1,1-Trichloroethane	N	ug/L	< 1 U	NA	NA	NA	< 0.40	NA	< 5 [< 0.3]	< 1 [< 10 [< 50	< 1	< 1 U	< 1 U	< 25 U	< 2.5 U	< 0.5 U	< 0.5 U	< 25 U	< 25 U	< 2.5 U	< 12.5 U	< 5 U
1,1,2,2-Tetrachloroethane	N	ug/L	< 1 U	NA	NA	NA	< 0.80	NA	< 5 [< 0.3]	< 50 [< 1 [< 10	< 1	< 1 U	< 1 U	< 25 U	< 2.5 U	< 0.5 U	< 0.5 U	< 25 U	< 25 U	< 2.5 U	< 12.5 U	< 5 U
1,1,2-trichloro-1,2,2-trifluoroethane	N	ug/L	< 5 U	NA	NA	NA	< 1.6	NA	< 1	NA	NA	NA	NA	< 25 U	< 2.5 U	< 0.5 U	< 0.5 U	< 25 U	< 25 U	< 2.5 U	< 12.5 U	< 5 U
1,1,2-Trichloroethane	N	ug/L	< 1 U	NA	NA	NA	< 0.80	NA	< 5 [< 0.2]	< 50 [< 1 [< 10	< 1	< 1 U	< 1 U	< 25 U	< 2.5 U	< 0.5 U	< 0.5 U	< 25 U	< 25 U	< 2.5 U	< 12.5 U	< 5 U
1,1-Dichloroethane	N	ug/L	< 1 U	NA	NA	NA	< 0.80	NA	< 5 [< 0.4]	< 10 [< 50 [< 1	< 1	< 1 U	< 1 U	< 25 U	< 2.5 U	< 0.5 U	< 0.5 U	< 25 U	< 25 U	< 2.5 U	< 12.5 U	< 5 U
1,1-Dichloroethene	N	ug/L	< 1 U	NA	NA	NA	< 0.80	NA	< 5 [< 0.3]	< 10 [< 50 [< 1	< 1	< 1 U	< 1 U	< 25 U	< 2.5 U	< 0.5 U	< 0.5 U	< 25 U	< 25 U	< 2.5 U	< 12.5 U	< 5 U
1,2,3-Trichloropropane	N	ug/L	< 1 U	NA	NA	NA	< 0.80	NA	NA	NA	NA	< 1 U	< 1 U	< 50 U	< 5 U	< 1 U	< 1 U	< 50 U	< 50 U	< 2.5 U	< 12.5 U	< 5 U
1,2,3-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	N	ug/L	< 1 U	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	< 25 U	< 2.5 U	< 0.5 U	< 0.5 U	< 25 U	< 25 U	< 2.5 U	< 12.5 U	< 5 U
1,2,4-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	N	ug/L	< 2 U	NA	NA	NA	< 1.6	NA	NA	NA	NA	< 1 U	< 1 U	< 50 U	< 5 U	< 1 U	< 1 U	< 50 U	< 50 U	< 5 U	< 25 U	< 10 U
1,2-Dibromoethane	N	ug/L	< 1 U	NA	NA	NA	< 0.40	NA	NA	NA	NA	< 1 U	< 1 U	< 50 U	< 5 U	< 1 U	< 1 U	< 50 U	< 50 U	< 2.5 U	< 12.5 U	< 5 U
1,2-Dichlorobenzene	N	ug/L	< 1 U	NA	NA	NA	< 0.40	NA	< 1	NA	NA	< 1 U	< 1 U	< 25 U	< 2.5 U	< 0.5 U	< 0.5 U	< 25 U	< 25 U	< 2.5 U	< 12.5 U	< 5 U
1,2-Dichloroethane	N	ug/L	< 1 U	NA	NA	NA	< 0.40	NA	< 5 [< 0.3]	< 10 [< 50 [< 1	< 1	< 1 U	< 1 U	< 25 U	< 2.5 U	< 0.5 U	< 0.5 U	< 25 U	< 25 U	< 2.5 U	< 12.5 U	< 5 U
1,2-Dichloroethene, Total	N	ug/L	NA	NA	NA	NA	NA	< 5	< 5 [< 0.5]	< 10 [< 1 [< 50	< 1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	N	ug/L	< 1 U	NA	NA	NA	< 0.40	< 5	< 5 [< 0.2]	< 10 [< 1 [< 50	< 1	< 1 U	< 1 U	< 25 U	< 2.5 U	< 0.5 U	< 0.5 U	< 25 U	< 25 U	< 2.5 U	< 12.5 U	< 5 U
1,3,5-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	N	ug/L	< 1 U	NA	NA	NA	< 0.40	NA	< 1	NA	NA	NA	NA	< 25 U	< 2.5 U	< 0.5 U	< 0.5 U	< 25 U	< 25 U	< 2.5 U	< 12.5 U	< 5 U
1,3-Dichloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	N	ug/L	< 1 U	NA	NA	NA	< 0.40	NA	< 1	NA	NA	< 1 U	< 1 U	< 25 U	< 2.5 U	< 0.5 U	< 0.5 U	< 25 U	< 25 U	< 2.5 U	< 12.5 U	< 5 U
1,4-Dioxane	N	ug/L	NA	NA	NA	NA	< 160	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	N	ug/L	< 5 UJ	NA	NA	NA	< 4.0	< 10	< 10	< 100 [< 2 [< 10	< 2	NA	NA	< 250 U	< 25 U	< 5 U	< 5 U	< 250 UM	< 250 UM	< 25 U	< 125 U	< 50 U

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-007	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008
		Sample Date	6/25/2013	6/18/2014	7/7/2015	8/24/2017	8/1/2018	8/9/1988	1/11/1989	9/18/1991	11/26/1991	4/25/2001	4/25/2001	6/26/2001	9/20/2001	12/17/2001	3/21/2002	6/19/2002	9/20/2002	12/18/2002	3/25/2003	6/20/2003
		Sample Type	N	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**																				
2-Chloroethyl vinyl ether	N	ug/L	NA	NA	NA	NA	NA	NA	< 0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	N	ug/L	< 5 UJ	NA	NA	NA	< 3.2	< 10	< 10	**5 [220 [< 100]**	**41**	< 2 U	< 2 U	< 250 U	< 25 U	< 5 U	< 5 U	< 250 U	< 250 U	< 25 U	< 125 U	< 50 U
Acetone	N	ug/L	< 5 U	NA	NA	NA	**5.6**	**170**	< 10	**4 [< 100 [1300**	**10**	NA	NA	< 250 U	< 25 U	< 5 U	< 5 U	< 500 UM	< 250 UM	< 50 U	< 125 U	< 50 U
Acrylonitrile	N	ug/L	< 5 U	NA	NA	NA	< 4.0	NA	NA	NA	NA	NA	NA	< 250 U	< 25 U	< 5 U	< 5 U	< 250 U	< 250 U	< 25 U	< 125 U	< 50 U
Benzene	N	ug/L	< 1 U	NA	NA	NA	< 0.40	< 5	< 5	< 10 [< 50 [< 1	< 1	**0.52 J**	**0.58 J**	< 25 U	< 2.5 U	< 0.5 U	< 0.5 U	< 25 U	< 25 U	< 2.5 U	< 12.5 U	< 5 U
Bromochloromethane	N	ug/L	< 1 U	NA	NA	NA	NA	NA	NA	NA	NA	< 1 U	< 1 U	< 25 U	< 2.5 U	< 0.5 U	< 0.5 U	< 25 U	< 25 U	< 2.5 U	< 12.5 U	< 5 U
Bromodichloromethane	N	ug/L	< 1 U	NA	NA	NA	< 0.40	< 5	< 5 [< 0.4]	< 10 [< 50 [< 1	< 1	< 1 U	< 1 U	< 25 U	< 2.5 U	< 0.5 U	< 0.5 U	< 25 U	< 25 U	< 2.5 U	< 12.5 U	< 5 U
Bromoform	N	ug/L	< 1 U	NA	NA	NA	< 0.40	NA	< 5 [< 0.5]	< 50 [< 10 [< 1	< 1	< 1 U	< 1 U	< 50 U	< 5 U	< 1 U	< 1 U	< 50 U	< 50 UM	< 2.5 U	< 12.5 U	< 5 U
Bromomethane	N	ug/L	< 1 U	NA	NA	NA	< 0.80	NA	< 10 [< 0.5]	< 10 [< 100 [< 2	< 2	< 2 U	< 2 U	< 25 U	< 2.5 U	< 0.5 U	< 0.5 U	< 25 U	< 25 U	< 2.5 U	< 12.5 U	< 5 U
Carbon Disulfide	N	ug/L	< 1 U	NA	NA	NA	< 1.6	NA	< 5	< 50 [< 10 [< 1	< 1	< 1 U	< 1 U	< 250 U	< 25 U	< 5 U	< 5 U	< 250 U	< 250 U	< 2.5 U	< 12.5 U	< 5 U
Carbon Tetrachloride	N	ug/L	< 1 U	NA	NA	NA	< 0.40	NA	< 5 [< 0.3]	< 10 [< 50 [< 1	< 1	< 1 U	< 1 U	< 25 U	< 2.5 U	< 0.5 U	< 0.5 U	< 25 U	< 25 U	< 2.5 U	< 12.5 U	< 5 U
CFC-11	N	ug/L	< 1 U	NA	NA	NA	< 0.80	NA	NA	NA	NA	< 1 U	< 1 U	< 25 U	< 2.5 U	< 0.5 U	< 0.5 U	< 25 U	< 25 U	< 2.5 U	< 12.5 U	< 5 U
CFC-12	N	ug/L	< 1 UJ	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	< 25 U	< 2.5 U	< 0.5 U	< 0.5 U	< 25 U	< 25 U	< 2.5 U	< 12.5 U	< 5 U
Chlorobenzene	N	ug/L	< 1 U	NA	NA	NA	< 0.40	< 5	< 5 [< 0.4]	< 10 [< 50 [< 1	< 1	< 1 U	< 1 U	< 25 U	< 2.5 U	< 0.5 U	< 0.5 U	< 25 U	< 25 U	< 2.5 U	< 12.5 U	< 5 U
Chlorodibromomethane	N	ug/L	< 1 U	NA	NA	NA	< 0.40	NA	< 5 [< 0.4]	< 10 [< 50 [< 1	< 1	< 1 U	< 1 U	< 25 U	< 2.5 U	< 0.5 U	< 0.5 U	< 25 U	< 25 U	< 2.5 U	< 12.5 U	< 5 U
Chloroethane	N	ug/L	< 1 UJ	NA	NA	NA	< 1.6	NA	< 10 [< 0.5]	< 100 [< 10 [< 2	< 2	< 2 U	< 2 U	< 25 U	< 2.5 U	< 0.5 U	< 0.5 U	< 25 U	< 25 U	< 2.5 U	< 12.5 U	< 5 U
Chloroform	N	ug/L	< 1 U	NA	NA	NA	< 0.40	< 5	< 5 [< 0.2]	< 50 [< 10 [< 1	< 1	< 1 U	< 1 U	< 25 U	< 2.5 U	< 0.5 U	< 0.5 U	< 25 U	< 25 U	< 2.5 U	< 12.5 U	**3.46 F**
Chloromethane	N	ug/L	< 1 U	NA	NA	NA	< 0.80	NA	< 10 [< 0.5]	< 10 [< 100 [< 2	< 1	< 2 U	< 2 U	< 25 U	< 2.5 U	< 0.5 U	< 0.5 U	< 25 U	< 25 U	< 2.5 U	< 12.5 U	< 5 U
cis-1,2-Dichloroethene	N	ug/L	< 1 U	NA	NA	NA	< 0.40	NA	NA	NA	NA	< 1 U	< 1 U	< 25 U	< 2.5 U	< 0.5 U	< 0.5 U	< 25 U	< 25 U	< 2.5 U	< 12.5 U	< 5 U
cis-1,3-Dichloropropene	N	ug/L	< 1 U	NA	NA	NA	< 0.40	NA	< 5 [< 0.3]	< 50 [< 1 [< 10	< 1	< 1 U	< 1 U	< 25 U	< 2.5 U	< 0.5 U	< 0.5 U	< 25 U	< 25 U	< 2.5 U	< 12.5 U	< 5 U
Cyclohexane	N	ug/L	< 5 UJ	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	**66.6**	**65**	**69 J**	**62.15 J**	**79.9**	**94.2**	**59.2**	**74.2**	**57.6**
Dibromomethane	N	ug/L	< 1 U	NA	NA	NA	< 0.40	NA	NA	NA	NA	< 1 U	< 1 U	< 50 U	< 5 U	< 1 U	< 1 U	< 50 U	< 50 U	< 2.5 U	< 12.5 U	< 5 U
Dichloromethane	N	ug/L	< 1 U	NA	NA	NA	< 0.80	**14**	< 5 [< 1]	< 1 [< 50 [< 10	< 1	< 1 U	< 1 U	< 50 U	< 5 U	< 1 U	< 1 U	< 50 U	< 50 U	< 2.5 U	< 12.5 U	< 5 U
Ethylbenzene	N	ug/L	< 1 U	NA	NA	NA	< 0.40	< 5	< 5	**72 [120 [54]**	**53**	**632 D**	**678 D**	**1524**	**1601 J**	**2088**	**1798**	**2062**	**2107**	**1369**	**1787**	**1378**
Isopropylbenzene	N	ug/L	< 1 U	NA	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	**64.4**	**60.3**	**70.6 J**	**63.95 J**	**86.8**	**87.6**	**57.6**	**78.4**	**59.7**
m&p-Xylenes	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	N	ug/L	< 5 U	NA	NA	NA	< 4.0	NA	NA	NA	NA	NA	NA	< 250 U	< 25 U	< 5 U	< 5 U	< 250 U	< 250 U	< 25 U	< 125 U	< 50 U
Methyl N-Butyl Ketone (2-Hexanone)	N	ug/L	< 5 UJ	NA	NA	NA	< 4.0	< 10	< 10	**< 2 [< 100 [3]**	**23**	< 2 U	< 2 U	< 250 U	< 25 U	< 5 U	< 5 U	< 250 U	< 250 U	< 25 U	< 125 U	< 50 U
Methylcyclohexane	N	ug/L	< 5 U	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	**28.6**	**34.6**	**48.5**	**41.63**	**45.8**	**49.9**	**31.5**	**35.3**	**29.9**
Methyl-tert-butylether	N	ug/L	< 1 U	NA	NA	NA	< 0.80	NA	NA	NA	NA	< 1 U	< 1 U	< 25 U	< 2.5 U	< 0.5 U	< 0.5 U	< 25 U	< 25 U	< 2.5 U	< 12.5 U	**0.66 F**
n-Butylbenzene	N	ug/L	NA	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	N	ug/L	NA	NA	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenolics	N	mg/L	NA	NA	NA	NA	**0.46**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	N	ug/L	NA	NA	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	N	ug/L	< 1 U	NA	NA	NA	< 0.40	NA	< 5	< 1 [< 10 [< 50	< 1	< 1 U	< 1 U	< 50 U	< 5 U	< 1 U	< 1 U	< 50 U	< 50 U	< 2.5 U	< 12.5 U	< 5 U
tert-Butylbenzene	N	ug/L	NA	NA	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	N	ug/L	< 1 U	NA	NA	NA	< 0.40	< 5	< 5 [< 0.2]	< 10 [< 1 [< 50	< 1	< 1 U	< 1 U	< 50 U	< 5 U	< 1 U	< 1 U	< 50 U	< 50 U	< 2.5 U	< 12.5 U	< 5 U
Toluene	N	ug/L	< 1 U	NA	NA	NA	< 0.40	< 5	< 5	**< 50 [2 [< 1]**	**2**	**94 D**	**133 D**	**536**	**465 J**	**479**	**446**	**1137**	**1021**	**426**	**547**	**262.1 B**
Total Xylenes	N	ug/L	< 1 U	NA	NA	NA	< 0.80	< 5	< 5	**8 [58 [< 50]**	**34**	**253 D**	**400 D**	**1805**	**1840 J**	**2962**	**3057**	**3963**	**4231**	**1762**	**2535**	**1092**
trans-1,2-Dichloroethene	N	ug/L	< 1 U	NA	NA	NA	< 0.40	NA	NA	NA	NA	< 1 U	< 1 U	< 25 U	< 2.5 U	< 0.5 U	< 0.5 U	< 25 U	< 25 U	< 2.5 U	< 12.5 U	< 5 U
trans-1,3-Dichloropropene	N	ug/L	< 1 U	NA	NA	NA	< 0.40	NA	< 5 [< 0.3]	< 1 [< 10 [< 50	< 1	< 1 U	< 1 U	< 25 U	< 2.5 U	< 0.5 U	< 0.5 U	< 25 U	< 25 U	< 2.5 U	< 12.5 U	< 5 U
trans-1,4-Dichloro-2-butene	N	ug/L	< 5 UJ	NA	NA	NA	< 1.6	NA	NA	NA	NA	< 1 U	< 1 U	< 250 U	< 25 U	< 5 U	< 5 U	< 250 U	< 250 U	< 2.5 U	< 12.5 U	< 5 U
Trichloroethene	N	ug/L	< 1 U	NA	NA	NA	< 0.40	< 5	< 5 [< 0.5]	< 10 [< 1 [< 50	< 1	< 1 U	< 1 U	< 25 U	< 2.5 U	< 0.5 U	< 0.5 U	< 25 U	< 25 U	< 2.5 U	< 12.5 U	< 5 U
Vinyl acetate	N	ug/L	< 5 UJ	NA	NA	NA	< 2.0	NA	< 10	< 2 [< 100 [< 10	< 2	< 4 U	< 4 U	< 250 U	< 25 U	< 5 U	R	< 250 U	< 250 U	< 25 U	< 125 U	R
Vinyl chloride	N	ug/L	< 1 U	NA	NA	NA	< 0.20	< 10	< 10 [< 0.3]	< 100 [< 10 [< 2	< 2	< 2 U	< 2 U	< 25 U	< 5 U	< 0.5 U	< 0.5 U	< 25 U	< 25 U	< 2.5 U	< 12.5 U	< 5 U
Leachate Indicators																						
Ammonia Nitrogen	N	mg/L	NA	NA	NA	NA	**0.045**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromide	N	mg/L	< 0.4 U	NA	NA	NA	< 0.20	NA	NA	NA	NA	< 0 U	< 0 U	NA	NA	NA	NA	RU	NA	NA	NA	NA
Chloride	N	mg/L	**286 J**	NA	NA	NA	**180**	NA	NA	NA	NA	**247**	**244**	NA	NA	NA	NA	**202 M**	NA	NA	NA	NA
Fluoride (F-, Anion)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	N	mg/L	NA	NA	NA	NA	**0.12**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	N	mg/L	**31.4**	NA	NA	NA	**23**	NA	NA	NA	NA	**24.1**	**23.1**	NA	NA	NA	NA	**9.73**	NA	NA	NA	NA
Total Kjeldahl Nitrogen	N	mg/L	NA	NA	NA	NA	< 0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorus as PO4	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity	N	mg/L	**164**	NA	NA	NA	**160**	NA	NA	NA	NA	**220**	**240**	NA	NA	NA	NA	**248 S**	NA	NA	NA	NA
Alkalinity (as CaCO3)	N	mg/L	**244**	NA	NA	NA	NA	NA	NA	NA	NA	**365**	**341**	NA	NA	NA	NA	**290 B**	NA	NA	NA	NA
Alkalinity, Bicarbonate	N	mg/L	NA	NA	NA	NA	**160**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Carbonate	N	mg/L	NA	NA	NA	NA	< 5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Hydroxide	N	mg/L	NA	NA	NA	NA	< 5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Biological Oxygen Demand	N	mg/L	NA	NA	NA	NA	< 0.59	NA	NA	NA	NA	**3.9**	**4.5**	NA	NA	NA	NA	**13.3**	NA	NA	NA	NA
Carbon	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CBOD	N	mg/L	**3**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chemical Oxygen Demand	N	mg/L	**24.7 M**	NA	NA	NA	< 10	NA	NA	NA	NA	**22**	**19**	NA	NA	NA	NA	**35 B**	NA	NA	NA	NA
Color	N	COLOR UNIT	< 0 U	NA	NA	NA	NA	NA	NA	NA	NA	35	35	NA	NA	NA	NA	45 B	NA	NA	NA	NA
Color	N	PCU	NA	NA	NA	NA	150	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	D	ug/L	NA	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	N	ug/L	< 1 U	NA	NA	NA	< 5	NA	NA	< 10	NA	< 0 U	< 0 U	NA	NA	NA	NA	< 0 U	NA	NA	NA	NA
Hardness (as CaCO3)	N	mg/L	NA	NA	NA	NA	**210**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	N	PH UNITS	NA	NA	NA	NA	NA	NA	4.6 [4.6 [4.6]	7.2 [7.2 [7.2]	6.2 [6.7 [6.5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids	N	mg/L	**660**	NA	NA	NA	**540**	NA	NA	NA	NA	**610**	**660**	NA	NA	NA	NA	**678 SB**	NA	NA	NA	NA
Total Dissolved Solids	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	**1.34 B**	NA	NA	NA	NA	NA	NA	NA	NA	**3.3 J**	**3.7 J**	NA	NA	NA	NA	**3.96 S**	NA	NA	NA	NA
Total Organic Carbon 2	N	mg/L	NA	NA	NA	NA	**1.3**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008
		Sample Date	9/26/2003	1/13/2004	3/22/2004	6/28/2004	9/22/2004	9/28/2004	12/16/2004	3/24/2005	6/23/2005	12/14/2005	6/27/2006	1/3/2007	7/11/2007	12/5/2007	6/23/2009	6/23/2009	12/9/2009	6/22/2010	6/22/2010	6/22/2010
		Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N	FD
Chemical	**Fraction**	**Unit**																				
Metals																						
Aluminum	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	**27.7 M**	NA	NA	NA	NA	NA	NA	< 200 U	NA	**63.8 F**	NA	**57 M**	NA	< 200 U	NA	NA	< 200 UJ	NA	NA	NA
Antimony	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	< 50 U	NA	NA	NA	NA	NA	NA	< 50 U	NA	< 50 U	NA	**1.69 F**	NA	< 50 U	NA	NA	**0.48 F**	NA	NA	NA
Arsenic	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	ug/L	**14.7 F**	NA	NA	NA	NA	NA	NA	**5 F**	NA	**3.96 F**	NA	**17.6 F**	NA	< 30 U	NA	NA	**5.5**	NA	NA	NA
Barium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	ug/L	**27.6 F**	NA	NA	NA	NA	NA	NA	**26.3 F**	NA	**38.6 F**	NA	**95**	NA	**38.6 F**	NA	NA	**72**	NA	NA	NA
Beryllium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	< 4 U	NA	NA	NA	NA	NA	NA	< 4 U	NA	< 4 U	NA	< 4 U	NA	< 4 U	NA	NA	< 1 U	NA	NA	NA
Boron	T	ug/L	**24.7 F**	NA	NA	NA	NA	NA	NA	**8 F**	NA	NA	NA	**16.4 F**	NA	**13.2 F**	NA	NA	**25**	NA	NA	NA
Cadmium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	ug/L	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	NA	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	**0.077 F**	**0.75 F**	< 1 U	NA	**0.319 F**	NA
Calcium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	**97795**	**107638**	**57242**	**88229 M**	**77664 M**	NA	**78301 M**	**85070 M**	**66000 M**	**107000**	**106000**	**84900**	**49600 M**	**74000**	**81000**	**87000**	**100000 M**	NA	**115000 M**	NA
Chromium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	ug/L	**1674**	NA	NA	NA	NA	NA	NA	**45 J**	NA	**53.5 J**	NA	**90.2**	NA	**5.73 F**	NA	NA	**1600**	NA	NA	NA
Chromium VI	D	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium VI	T	mg/L	< 0.01 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	**0.006 F**	NA	< 0.01 U	NA	< 0.01 U	NA	NA	< 0.005 U	NA	NA	NA
Cobalt	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	**73.2**	NA	NA	NA	NA	NA	NA	**5 F**	NA	**3.62 F**	NA	< 60 U	NA	< 60 U	NA	NA	**30**	NA	NA	NA
Copper	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	**31.5**	NA	NA	NA	NA	NA	NA	**2 J**	NA	**1.76 F**	NA	**3.96 F**	NA	< 10 U	NA	NA	**39**	NA	NA	NA
Iron	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	**22109**	**8100**	**883 J**	**6951 J**	**4773**	NA	**8498 J**	**6037 J**	**13000 M**	**7600 J**	**47500 J**	**43200 J**	**38700 M**	**2010**	**33000 M**	**41000 M**	**15000**	NA	**19200 M**	NA
Lead	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	ug/L	**4.9 F**	< 25 U	**5.1 F**	< 25 U	< 25 U	NA	< 25 U	**2.8 J**	**2.4 J**	**2.35 F**	**2.68 F**	< 25 U	< 25 U	< 25 U	**4.1**	**4.3**	**1.9 F**	NA	**3.63**	NA
Magnesium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	**24037**	**25991**	**26192 M**	**16841**	**15817**	NA	**18880**	**21220**	**15000**	**21700**	**25000**	**17200**	**9010**	**13500**	**16000**	**18000**	**22000**	NA	**21200 M**	NA
Manganese	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	**1472**	**1401**	**223**	**1209**	**1139**	NA	**866**	**775 J**	**650**	**1180 J**	**1140**	**759 J**	**1210 M**	**714**	**36000 M**	**38000 M**	**6000**	NA	**22600 M**	NA
Mercury	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	< 1 U	NA	NA	NA	NA	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	**0.071 F**	NA	NA	NA
Nickel	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	**128**	NA	NA	NA	NA	NA	NA	**13 J**	NA	**12.4 J**	NA	**10.8 F**	NA	**15.6 F**	NA	NA	**270**	NA	NA	NA
Potassium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	**1222**	**924 F**	**16527 J**	**1127**	**1158**	NA	**1483 J**	**1330 J**	**1200 J**	**2450 J**	**2060**	**2860 J**	**2430 J**	**2850**	**2400**	**2400**	**2600**	NA	**2320 M**	NA
Selenium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	**23.3 F**	NA	NA	NA	NA	NA	NA	< 30 U	NA	< 30 U	NA	< 30 U	NA	< 30 U	NA	NA	**0.71 F**	NA	NA	NA
Silver	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	< 10 U	NA	NA	NA	NA	NA	NA	**2 F**	NA	< 10 U	NA	< 10 U	NA	< 10 U	NA	NA	< 1 UM	NA	NA	NA
Sodium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	**141662**	**160665**	**119741 M**	**201278**	**239715 M**	NA	**298706 M**	**324600**	**310000 M**	**291000**	**266000**	**344000 J**	**270000 M**	**340000**	**190000 M**	**190000 M**	**190000**	**271000 M**	NA	**268000 M**
Thallium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	< 80 U	NA	NA	NA	NA	NA	NA	< 80 U	NA	< 80 U	NA	< 80 U	NA	< 80 U	NA	NA	**0.065 F**	NA	NA	NA
Vanadium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	**10**	NA	NA	NA	NA	NA	NA	**2 J**	NA	< 10 U	NA	< 10 U	NA	< 10 U	NA	NA	< 25 U	NA	NA	NA
Zinc	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	**20.2**	NA	NA	NA	NA	NA	NA	**10 F**	NA	**121**	NA	**50.8**	NA	**44.9 J**	NA	NA	**9.9 M**	NA	NA	NA
Total Recoverable Phenolics	N	mg/L	**0.016 J**	NA	NA	NA	NA	NA	NA	**0.0028 F**	NA	< 0.005 U	NA	< 0.005 U	NA	< 0.005 U	NA	NA	< 0.05 UM	NA	NA	NA
VOCs																						
1,1,1-Trichloroethane	N	ug/L	< 5 U	< 10 U	< 10 U	< 1 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
1,1,2,2-Tetrachloroethane	N	ug/L	< 5 U	< 10 U	< 10 U	< 1 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
1,1,2-trichloro-1,2,2-trifluoroethane	N	ug/L	< 5 U	< 10 U	< 10 U	< 1 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	NA	< 5 U	NA
1,1,2-Trichloroethane	N	ug/L	< 5 U	< 10 U	< 10 U	< 1 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
1,1-Dichloroethane	N	ug/L	< 5 U	< 10 U	< 10 U	< 1 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
1,1-Dichloroethene	N	ug/L	< 5 U	< 10 U	< 10 U	< 1 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
1,2,3-Trichloropropane	N	ug/L	< 5 U	< 10 U	< 10 U	< 1 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
1,2,3-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	N	ug/L	< 5 U	< 10 U	< 10 U	< 1 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
1,2,4-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	N	ug/L	< 10 U	< 20 U	< 20 U	< 2 U	NA	< 1 U	< 1 U	< 1 U	< 2 U	< 1 U	NA	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U	< 2 U	NA	< 2 U	NA
1,2-Dibromoethane	N	ug/L	< 5 U	< 10 U	< 10 U	< 1 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
1,2-Dichlorobenzene	N	ug/L	< 5 U	< 10 U	< 10 U	< 1 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
1,2-Dichloroethane	N	ug/L	< 5 U	< 10 U	< 10 U	< 1 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
1,2-Dichloroethene, Total	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	N	ug/L	< 5 U	< 10 U	< 10 U	< 1 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
1,3,5-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	N	ug/L	< 5 U	< 10 U	< 10 U	< 1 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
1,3-Dichloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	N	ug/L	< 5 U	< 10 U	< 10 U	< 1 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
1,4-Dioxane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	N	ug/L	< 50 U	< 100 U	< 100 U	< 10 U	NA	< 5 U	< 5 U	< 5 U	< 10 U	< 5 U	NA	< 5 U	< 5 U	< 5 U	< 10 U	< 10 U	< 10 U	NA	< 5 U	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008
		Sample Date	9/26/2003	1/13/2004	3/22/2004	6/28/2004	9/22/2004	9/28/2004	12/16/2004	3/24/2005	6/23/2005	12/14/2005	6/27/2006	1/3/2007	7/11/2007	12/5/2007	6/23/2009	6/23/2009	12/9/2009	6/22/2010	6/22/2010	6/22/2010
		Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N	FD
Chemical	**Fraction**	**Unit**																				
2-Chloroethyl vinyl ether	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	N	ug/L	< 50 U	< 100 U	< 100 U	< 10 U	NA	< 5 U	< 5 U	< 5 U	< 10 U	< 5 U	NA	< 5 U	< 5 U	< 5 U	< 10 U	< 10 U	< 10 U	NA	< 5 U	NA
Acetone	N	ug/L	< 50 U	< 100 U	< 100 U	< 10 U	NA	< 10 U	< 5 U	R	< 10 U	< 5 U	NA	< 5 U	< 5 U	< 5 U	< 20 U	< 20 U	< 20 U	NA	< 5 U	NA
Acrylonitrile	N	ug/L	< 50 U	< 100 U	< 100 U	< 10 U	NA	< 5 U	< 5 U	< 4 U	< 2.5 U	< 4 U	NA	< 4 U	< 4 U	< 4 U	< 1 U	< 1 U	< 1 U	NA	< 5 U	NA
Benzene	N	ug/L	< 5 U	< 10 U	< 10 U	< 1 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.4 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
Bromochloromethane	N	ug/L	< 5 U	< 10 U	< 10 U	< 1 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
Bromodichloromethane	N	ug/L	< 5 U	< 10 U	< 10 U	< 1 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
Bromoform	N	ug/L	< 5 U	< 10 U	< 10 U	< 1 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
Bromomethane	N	ug/L	< 5 U	< 10 U	< 10 U	< 1 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 3 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	NA	< 1 UM	NA
Carbon Disulfide	N	ug/L	< 5 U	< 10 U	< 10 U	< 1 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 5 U	< 5 U	< 5 U	NA	< 1 U	NA
Carbon Tetrachloride	N	ug/L	< 5 U	< 10 U	< 10 U	< 1 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
CFC-11	N	ug/L	< 5 U	< 10 U	< 10 U	< 1 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
CFC-12	N	ug/L	< 5 U	< 10 U	< 10 U	< 1 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 0.5 U	NA	< 0.5 U	R	< 0.5 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
Chlorobenzene	N	ug/L	< 5 U	< 10 U	< 10 U	< 1 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
Chlorodibromomethane	N	ug/L	< 5 U	< 10 U	< 10 U	< 1 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
Chloroethane	N	ug/L	< 5 U	< 10 U	< 10 U	< 1 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 0.5 UM	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
Chloroform	N	ug/L	< 5 U	< 10 U	< 10 U	< 1 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.3 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
Chloromethane	N	ug/L	< 5 U	< 10 U	< 10 U	< 1 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
cis-1,2-Dichloroethene	N	ug/L	< 5 U	< 10 U	< 10 U	< 1 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
cis-1,3-Dichloropropene	N	ug/L	< 5 U	< 10 U	< 10 U	< 1 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
Cyclohexane	N	ug/L	**51**	**52.1**	**61.4**	**35.4**	NA	**20**	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 5 U	< 5 U	< 5 U	NA	< 5 U	NA
Dibromomethane	N	ug/L	< 5 U	< 10 U	< 10 U	< 1 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
Dichloromethane	N	ug/L	< 5 U	< 10 U	< 10 U	< 1 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 5 U	< 5 U	< 5 U	NA	< 1 U	NA
Ethylbenzene	N	ug/L	**1417**	**1390**	**1675**	**480**	NA	**64.7**	**1.44**	**0.86**	< 1 U	**0.23 F**	NA	**0.14 F**	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
Isopropylbenzene	N	ug/L	**52.6**	**53.1**	**63.6**	**39.9**	NA	**16**	**0.97**	**0.4 F**	**0.17 F**	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
m&p-Xylenes	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	N	ug/L	< 50 U	< 100 U	< 100 U	< 10 U	NA	< 5 U	< 5 U	< 5 U	< 0.5 U	< 5 U	NA	R	R	< 5 U	< 5 U	< 5 U	< 5 U	NA	< 5 U	NA
Methyl N-Butyl Ketone (2-Hexanone)	N	ug/L	< 50 U	< 100 U	< 100 U	< 10 U	NA	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	NA	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 UJ	NA	< 5 U	NA
Methylcyclohexane	N	ug/L	**30.7**	**31.7**	**40.6**	**21.9**	NA	**11**	**1.05**	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 5 U	< 5 U	< 5 U	NA	< 5 U	NA
Methyl-tert-butylether	N	ug/L	< 5 U	< 10 U	< 10 U	< 1 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
n-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenolics	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	N	ug/L	< 5 U	< 10 U	< 10 U	< 1 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
tert-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	N	ug/L	< 5 U	< 10 U	< 10 U	< 1 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
Toluene	N	ug/L	**285**	**74.3**	**124**	**2.29**	NA	**1.18**	< 0.5 U	< 0.5 U	**0.11 F**	**0.2 F**	NA	**0.1 F**	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
Total Xylenes	N	ug/L	**1804**	**2004**	**2789**	**215**	NA	**4.47**	**0.84 F**	**0.21 F**	**0.17 F**	**0.13 F**	NA	< 1.5 U	< 1.5 U	**0.11 F**	< 3 U	< 3 U	< 3 U	NA	< 1 U	NA
trans-1,2-Dichloroethene	N	ug/L	< 5 U	< 10 U	< 10 U	< 1 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
trans-1,3-Dichloropropene	N	ug/L	< 5 U	< 10 U	< 10 U	< 1 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
trans-1,4-Dichloro-2-butene	N	ug/L	< 5 U	< 10 U	< 10 U	< 1 U	NA	< 0.5 U	< 0.5 U	< 2 U	< 5 U	< 2 U	NA	< 2 U	< 2 U	< 2 U	< 5 U	< 5 U	< 5 U	NA	< 5 U	NA
Trichloroethene	N	ug/L	< 5 U	< 10 U	< 10 U	< 1 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
Vinyl acetate	N	ug/L	< 50 U	< 100 U	< 100 U	< 10 U	NA	< 5 U	< 5 U	R	< 2 U	< 2 U	NA	R	< 2 U	< 2 U	< 5 U	< 5 U	< 5 U	NA	< 5 U	NA
Vinyl chloride	N	ug/L	< 5 U	< 10 U	< 10 U	< 1 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
Leachate Indicators																						
Ammonia Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromide	N	mg/L	**0.06 F**	NA	NA	NA	NA	NA	NA	< 0 U	NA	< 0 UM	NA	< 0 UM	NA	**0.11 F**	NA	NA	< 0 U	NA	NA	NA
Chloride	N	mg/L	**242 J**	NA	NA	NA	NA	NA	NA	**458 M**	NA	**490 M**	NA	**540 M**	NA	**550**	NA	NA	**410**	NA	NA	NA
Fluoride (F-, Anion)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	N	mg/L	**10**	NA	NA	NA	NA	NA	NA	**57.28**	NA	**73**	NA	**62 M**	NA	**54**	NA	NA	**36 M**	NA	NA	NA
Total Kjeldahl Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorus as PO4	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity	N	mg/L	**233 B**	NA	NA	NA	NA	NA	NA	**210**	NA	**220**	NA	**230**	NA	**190**	NA	NA	NA	NA	NA	NA
Alkalinity (as CaCO3)	N	mg/L	**550 B**	NA	NA	NA	NA	NA	NA	**324**	NA	**380 B**	NA	**280**	NA	**240**	NA	NA	**379**	NA	NA	NA
Alkalinity, Bicarbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Carbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Hydroxide	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Biological Oxygen Demand	N	mg/L	**29.54 B**	NA	NA	NA	NA	NA	NA	< 0 U	NA	**7.3**	NA	< 0 U	NA	< 0 U	NA	NA	**1.1**	NA	NA	NA
Carbon	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	**3.42 J**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CBOD	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chemical Oxygen Demand	N	mg/L	**61 M**	NA	NA	NA	NA	NA	NA	< 0 U	NA	**14**	NA	**14 J**	NA	**4.1 J**	NA	NA	**1.5 J**	NA	NA	NA
Color	N	COLOR UNIT	35	NA	NA	NA	NA	NA	NA	10	NA	15	NA	25	NA	30	NA	NA	< 0 U	NA	NA	NA
Color	N	PCU	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	N	ug/L	< 0 U	NA	NA	NA	NA	NA	NA	< 0 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	< 1 U	NA	NA	NA
Hardness (as CaCO3)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	N	PH UNITS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids	N	mg/L	**692 S**	NA	NA	NA	NA	NA	NA	**680**	NA	**1100**	NA	**1300**	NA	**1100**	NA	NA	NA	NA	NA	NA
Total Dissolved Solids	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	**5.54 J**	NA	NA	NA	NA	NA	NA	**3.2 J**	NA	NA	NA	**3.3 J**	NA	**3.3**	NA	NA	**2.6 M**	NA	NA	NA
Total Organic Carbon 2	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009
		Sample Date	6/22/2010	12/7/2010	6/21/2011	6/21/2011	12/7/2011	6/21/2012	6/21/2012	6/19/2013	6/24/2014	6/24/2014	7/7/2015	8/24/2017	7/30/2018	8/9/1988	8/9/1988	1/11/1989	9/18/1991	11/26/1991	11/26/1991	4/24/2001
		Sample Type	FD	N	N	FD	N	N	FD	N	N	N	N	N	N	N	FD	N	N	N	FD	N
Chemical	**Fraction**	**Unit**																				
Metals																						
Aluminum	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**42**	**57.2**	NA	NA	NA
Aluminum	T	ug/L	NA	**80.5 F**	< 100 U	< 100 U	< 100 U	NA	NA	< 200 U	NA	NA	NA	NA	< 70	NA	NA	NA	**122**	NA	NA	**12.2 B**
Antimony	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 43	< 47	NA	NA	NA
Antimony	T	ug/L	NA	< 10 U	< 1 U	< 1 U	< 1 U	NA	NA	< 1 U	NA	NA	NA	NA	< 1.0	NA	NA	NA	< 17	NA	NA	< 4.1 U
Arsenic	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**2.2**	< 3	NA	NA	NA
Arsenic	T	ug/L	NA	**62.7 M**	**3.59 J**	**1.82 J**	**5.31**	NA	NA	**6.56 J**	NA	NA	NA	NA	< 1.0	NA	NA	NA	**3**	NA	NA	< 4.4 U
Barium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**7.2**	**8.7**	NA	NA	NA
Barium	T	ug/L	NA	**139**	**80.2 B**	**67.5 B**	**139**	NA	NA	**184**	NA	NA	NA	NA	**41**	NA	NA	NA	**8.3**	NA	NA	**8.5 B**
Beryllium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.1	< 1	NA	NA	NA
Beryllium	T	ug/L	NA	< 2 U	**0.882 F**	**0.639 F**	**3.6**	NA	NA	**0.621 F**	NA	NA	NA	NA	**0.12**	NA	NA	NA	< 2	NA	NA	< 0.1 U
Boron	T	ug/L	NA	**113**	**58.9 F**	< 100 U	**70.5 F**	NA	NA	< 100 U	NA	NA	NA	NA	< 15	NA	NA	NA	NA	NA	NA	< 32.4 U
Cadmium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4.3	< 5	NA	NA	NA
Cadmium	T	ug/L	**0.37 F**	< 3 U	< 0.6 U	< 0.6 U	< 0.6 U	< 0.6 U	< 0.6 U	< 0.6 U	**0.644**	NA	< 0.6 U	< 1.0	< 1.0	NA	NA	NA	< 5	NA	NA	< 0.4 U
Calcium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**60100**	**56600**	NA	NA	NA
Calcium	T	ug/L	**113000 M**	**112000 M**	**137000 B**	**134000 B**	**128000**	**76600 M**	**76400 M**	**83100 M**	**88400 M**	NA	**74500 M**	**60000**	**78000**	NA	NA	NA	**58500**	NA	NA	**54000**
Chromium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**80**	**31.3**	NA	NA	NA
Chromium	T	ug/L	NA	**2550 M**	**314 M**	**130 M**	NA	NA	NA	**2490 M**	NA	**5230 M**	**24.6**	**110**	**17**	NA	NA	NA	**722**	NA	NA	**30.8**
Chromium VI	D	mg/L	NA	< 0.005 U	NA	NA	< 0.01 U	NA	NA	< 0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium VI	T	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.010	NA	NA	NA	NA	NA	NA	< 0.01 U
Cobalt	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**8.1**	< 5	NA	NA	NA
Cobalt	T	ug/L	NA	**33.1 M**	**5.33 J**	**3.63 J**	**15.7**	NA	NA	**20 J**	NA	NA	NA	NA	**0.16**	NA	NA	NA	< 5	NA	NA	< 0.6 U
Copper	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**13**	**3.2**	NA	NA	NA
Copper	T	ug/L	NA	**81.5**	**6.93 J**	< 5 UJ	**8.41**	NA	NA	**46.8**	NA	NA	NA	NA	< 1.8	NA	NA	NA	< 5	NA	NA	**3.4 B**
Iron	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**475**	< 42	NA	NA	NA
Iron	T	ug/L	**21700 M**	**28600 M**	**12300 M**	**5950 M**	**19800**	**6860 M**	**6270 M**	**26200 M**	**33600**	NA	**438**	**620**	**110**	NA	NA	NA	**6020**	NA	NA	**227**
Lead	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.91	< 2	NA	NA	NA
Lead	T	ug/L	**3.4**	**5.66**	**2.56**	**2.23**	**1.63**	**0.964 F**	< 1 U	**1.19**	**1.88**	NA	< 1 U	< 0.70	< 0.70	NA	NA	NA	< 2	NA	NA	< 2.1 U
Magnesium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**249000**	**24100**	NA	NA	NA
Magnesium	T	ug/L	**20400 M**	**18300**	**24500 B**	**24800 B**	**29500**	**15200 M**	**15200 M**	**18200**	**17700 M**	NA	**18700**	**15000**	**19000**	NA	NA	NA	**24300**	NA	NA	**20500**
Manganese	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**19**	**19.4**	NA	NA	NA
Manganese	T	ug/L	**23500 M**	**38400 M**	**4630**	**3820**	**23300**	**10700 M**	**11200 M**	**10400 J**	**28300**	NA	**209**	**82**	**93**	NA	NA	NA	**77.5**	NA	NA	**69.5**
Mercury	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.2	< 0.2	NA	NA	NA
Mercury	T	ug/L	NA	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	NA	NA	< 0.2 U	NA	NA	NA	NA	< 0.080	NA	NA	NA	< 0.2	NA	NA	< 0.1 U
Nickel	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**46**	**41.8**	NA	NA	NA
Nickel	T	ug/L	NA	**773 M**	**46 M**	**27.3 M**	**74.9**	NA	NA	**389 M**	NA	NA	NA	NA	**9.6**	NA	NA	NA	**68.3**	NA	NA	**21.9**
Potassium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**5770**	**2400**	NA	NA	NA
Potassium	T	ug/L	**2300 M**	**2470**	**2640 B**	**2620 B**	**2670**	**1740**	**1700**	**1950**	**1880 M**	NA	**1770**	**1600**	**2200**	NA	NA	NA	**1570**	NA	NA	**2020 J**
Selenium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**10**	**2**	NA	NA	NA
Selenium	T	ug/L	NA	< 5 U	**0.85 F**	**0.953 F**	NA	NA	NA	**0.872 F**	NA	NA	NA	NA	< 2.0	NA	NA	NA	< 2	NA	NA	< 9.9 U
Silver	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4.3	< 4	NA	NA	NA
Silver	T	ug/L	NA	< 5 U	< 1 U	< 1 U	< 1 U	NA	NA	< 1 U	NA	NA	NA	NA	< 0.10	NA	NA	NA	**2.8**	NA	NA	< 0.9 U
Sodium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**53100**	**76700**	NA	NA	NA
Sodium	T	ug/L	NA	**262000 M**	NA	NA	NA	**182000 M**	**183000 M**	**215000**	**216000**	NA	**262000**	**250000**	**300000**	NA	NA	NA	**76700**	NA	NA	**141000**
Thallium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2	< 1	NA	NA	NA
Thallium	T	ug/L	NA	**0.134 M**	< 0.2 U	< 0.2 U	< 0.2 U	NA	NA	< 0.2 U	NA	NA	NA	NA	< 0.20	NA	NA	NA	**1**	NA	NA	< 4.3 U
Vanadium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**7.2**	< 7	NA	NA	NA
Vanadium	T	ug/L	NA	< 50 UM	< 1 U	< 1 U	NA	NA	NA	< 200 UM	NA	NA	NA	NA	< 2.0	NA	NA	NA	**4.1**	NA	NA	< 1 U
Zinc	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**47**	< 1	NA	NA	NA
Zinc	T	ug/L	NA	**9.16 F**	**5.23 F**	< 20 U	**9.71 F**	NA	NA	**37.4**	NA	NA	NA	NA	< 8.0	NA	NA	NA	< 2	NA	NA	**7.6 B**
Total Recoverable Phenolics	N	mg/L	NA	**0.0039 F**	NA	NA	< 0.005 U	NA	NA	< 0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.005 UJ
VOCs																						
1,1,1-Trichloroethane	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.40	< 0.40	NA	NA	< 5 [< 0.3]	< 5	< 1 [< 25]	< 25 [< 1]	< 1 U
1,1,2,2-Tetrachloroethane	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.80	< 0.80	NA	NA	< 5 [< 0.3]	< 5	< 25 [< 1]	< 25 [< 1]	< 1 U
1,1,2-trichloro-1,2,2-trifluoroethane	N	ug/L	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	NA	NA	NA	< 1.6	< 1.6	NA	NA	< 1	NA	NA	NA	NA
1,1,2-Trichloroethane	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.80	< 0.80	NA	NA	< 5 [< 0.2]	< 5	< 25 [< 1]	< 25 [< 1]	< 1 U
1,1-Dichloroethane	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.80	< 0.80	NA	NA	< 5 [< 0.4]	< 5	< 25 [< 1]	< 1 [< 25]	< 1 U
1,1-Dichloroethene	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.80	< 0.80	NA	NA	< 5 [< 0.3]	< 5	< 25 [< 1]	< 1 [< 25]	< 1 U
1,2,3-Trichloropropane	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 1 U
1,2,3-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.40	< 0.40	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	N	ug/L	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	NA	NA	NA	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 1 U
1,2-Dibromoethane	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.40	< 0.40	NA	NA	NA	NA	NA	NA	< 1 U
1,2-Dichlorobenzene	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.40	< 0.40	NA	NA	< 1	NA	NA	NA	< 1 U
1,2-Dichloroethane	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.40	< 0.40	NA	NA	< 5 [< 0.3]	< 5	< 1 [< 25]	< 25 [< 1]	< 1 U
1,2-Dichloroethene, Total	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5	< 5	< 5 [< 0.5]	< 5	< 25 [< 1]	< 25 [< 1]	NA
1,2-Dichloropropane	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.40	< 0.40	< 5	< 5	< 5 [< 0.2]	< 5	< 25 [< 1]	< 25 [< 1]	< 1 U
1,3,5-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.40	< 0.40	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.40	< 0.40	NA	NA	< 1	NA	NA	NA	NA
1,3-Dichloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.40	< 0.40	NA	NA	< 1	NA	NA	NA	< 1 U
1,4-Dioxane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 160	< 160	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	N	ug/L	< 5 U	< 5 U	< 5 UM	< 5 UM	< 5 U	< 5 U	< 5 U	< 5 U	NA	NA	NA	< 4.0	< 4.0	< 10	< 10	**18**	< 10	< 50 [< 2]	< 50 [< 2]	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-008	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009
		Sample Date	6/22/2010	12/7/2010	6/21/2011	6/21/2011	12/7/2011	6/21/2012	6/21/2012	6/19/2013	6/24/2014	6/24/2014	7/7/2015	8/24/2017	7/30/2018	8/9/1988	8/9/1988	1/11/1989	9/18/1991	11/26/1991	11/26/1991	4/24/2001
		Sample Type	FD	N	N	FD	N	N	FD	N	N	N	N	N	N	N	FD	N	N	N	FD	N
Chemical	**Fraction**	**Unit**																				
2-Chloroethyl vinyl ether	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.4	NA	NA	NA	NA
4-Methyl-2-Pentanone	N	ug/L	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	NA	NA	NA	< 3.2	< 3.2	< 10	< 10	< 10	< 10	< 50 [< 2]	< 50 [< 2]	< 2 U
Acetone	N	ug/L	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	NA	NA	NA	< 6.4	**67**	< 10	< 10	< 10	< 10	**280 [400]**	**430 [310]**	NA
Acrylonitrile	N	ug/L	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	NA	NA	NA	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA
Benzene	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.40	< 0.40	< 5	< 5	< 5	< 5	< 25 [< 1]	< 1 [< 25]	< 1 U
Bromochloromethane	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1 U
Bromodichloromethane	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.40	< 0.40	< 5	< 5	< 5 [< 0.4]	< 5	< 25 [< 1]	< 1 [< 25]	< 1 U
Bromoform	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.40	< 0.40	NA	NA	< 5 [< 0.5]	< 5	< 25 [< 1]	< 1 [< 25]	< 1 U
Bromomethane	N	ug/L	< 1 UM	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.80	< 0.80	NA	NA	< 10 [< 0.5]	< 10	< 50 [< 2]	< 50 [< 2]	< 2 U
Carbon Disulfide	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 1.6	< 1.6	NA	NA	< 5	< 5	< 25 [< 1]	< 25 [< 1]	< 1 U
Carbon Tetrachloride	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.40	< 0.40	NA	NA	< 5 [< 0.3]	< 5	< 1 [< 25]	< 1 [< 25]	< 1 U
CFC-11	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	**0.45 J**
CFC-12	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.40	< 0.40	< 5	< 5	< 5 [< 0.4]	< 5	< 1 [< 25]	< 1 [< 25]	< 1 U
Chlorodibromomethane	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.40	< 0.40	NA	NA	< 5 [< 0.4]	< 5	< 1 [< 25]	< 25 [< 1]	< 1 U
Chloroethane	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 1.6	< 1.6	NA	NA	< 10 [< 0.5]	< 10	< 2 [< 50]	< 50 [< 2]	< 2 U
Chloroform	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.40	< 0.40	**19**	< 5	< 5 [< 0.2]	< 5	< 1 [< 25]	< 1 [< 25]	< 1 U
Chloromethane	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.80	< 0.80	NA	NA	< 10 [< 0.5]	< 10	< 2 [< 50]	< 50 [< 2]	< 2 U
cis-1,2-Dichloroethene	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.40	< 0.40	NA	NA	NA	NA	NA	NA	< 1 U
cis-1,3-Dichloropropene	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.40	< 0.40	NA	NA	< 5 [< 0.3]	< 5	< 25 [< 1]	< 25 [< 1]	< 1 U
Cyclohexane	N	ug/L	< 5 U	< 5 U	< 5 U	< 5 U	**1.58 F**	< 5 U	< 5 U	< 5 U	NA	NA	NA	< 0.80	**1.2**	NA	NA	NA	NA	NA	NA	NA
Dibromomethane	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.40	< 0.40	NA	NA	NA	NA	NA	NA	< 1 U
Dichloromethane	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.80	**0.64**	**8**	< 5	**2 [< 1]**	< 5	**34 [< 1]**	**80 [< 1]**	< 1 U
Ethylbenzene	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.40	< 0.40	< 5	< 5	< 5	< 5	< 25 [< 1]	< 25 [< 1]	**61.2 J**
Isopropylbenzene	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	**0.349 F**	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.40	< 0.40	NA	NA	NA	NA	NA	NA	NA
m&p-Xylenes	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	N	ug/L	< 5 U	< 5 U	< 5 U	< 5 U	**24.5**	< 5 U	< 5 U	< 5 U	NA	NA	NA	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA
Methyl N-Butyl Ketone (2-Hexanone)	N	ug/L	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	NA	NA	NA	< 4.0	< 4.0	< 10	< 10	< 10	< 10	< 2 [< 50]	< 50 [< 2]	< 2 U
Methylcyclohexane	N	ug/L	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	NA	NA	NA	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA
Methyl-tert-butylether	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	< 1 U
n-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.40	< 0.40	NA	NA	NA	NA	NA	NA	NA
o-Xylene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA
Phenolics	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.010	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.40	**0.96**	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.40	< 0.40	NA	NA	< 5	< 5	< 1 [< 25]	< 25 [< 1]	< 1 U
tert-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.40	< 0.40	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.40	< 0.40	< 5	< 5	< 5 [< 0.2]	< 5	< 25 [< 1]	< 25 [< 1]	< 1 U
Toluene	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.40	< 0.40	< 5	< 5	< 5	< 5	< 25 [< 1]	< 1 [< 25]	**3.7**
Total Xylenes	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	NA	< 0.80	< 5	< 5	< 5	< 5	< 25 [< 1]	< 1 [< 25]	< 1 U
trans-1,2-Dichloroethene	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.40	< 0.40	NA	NA	NA	NA	NA	NA	< 1 U
trans-1,3-Dichloropropene	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.40	< 0.40	NA	NA	< 5 [< 0.3]	< 5	< 25 [< 1]	< 1 [< 25]	< 1 U
trans-1,4-Dichloro-2-butene	N	ug/L	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	NA	NA	NA	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	< 1 U
Trichloroethene	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.40	< 0.40	< 5	< 5	< 5 [< 0.5]	< 5	< 25 [< 1]	< 25 [< 1]	< 1 U
Vinyl acetate	N	ug/L	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	NA	NA	NA	< 2.0	< 2.0	NA	NA	< 10	< 10	< 2 [< 50]	< 50 [< 2]	< 4 U
Vinyl chloride	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.20	< 0.20	< 10	< 10	< 10 [< 0.3]	< 10	< 2 [< 50]	< 50 [< 2]	< 2 U
Leachate Indicators																						
Ammonia Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.050	NA	NA	NA	NA	NA	NA	NA
Bromide	N	mg/L	NA	< 0 U	NA	NA	< 0 U	NA	NA	< 0.6 U	NA	NA	NA	NA	< 1.0	NA	NA	NA	NA	NA	NA	< 0 U
Chloride	N	mg/L	NA	**429 M**	NA	NA	NA	NA	NA	**390 J**	NA	NA	NA	NA	**490**	NA	NA	NA	NA	NA	NA	**210**
Fluoride (F-, Anion)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.50	NA	NA	NA	NA	NA	NA	NA
Sulfate	N	mg/L	NA	**38**	NA	NA	**34.6**	NA	NA	**33.4**	NA	NA	NA	NA	**36**	NA	NA	NA	NA	NA	NA	**29.3**
Total Kjeldahl Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.50	NA	NA	NA	NA	NA	NA	NA
Total Phosphorus as PO4	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity	N	mg/L	NA	**247 M**	NA	NA	**276**	NA	NA	**192**	NA	NA	NA	NA	**200**	NA	NA	NA	NA	NA	NA	**180**
Alkalinity (as CaCO3)	N	mg/L	NA	**404 M**	NA	NA	**408**	NA	NA	**354**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**208**
Alkalinity, Bicarbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**200**	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Carbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 3.2	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Hydroxide	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 3.2	NA	NA	NA	NA	NA	NA	NA
Biological Oxygen Demand	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.59	NA	NA	NA	NA	NA	NA	**7.3**
Carbon	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CBOD	N	mg/L	NA	**1.22 M**	NA	NA	**1.16 F**	NA	NA	< 0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chemical Oxygen Demand	N	mg/L	NA	**15.3 M**	NA	NA	< 0 U	NA	NA	< 0 U	NA	NA	NA	NA	< 20	NA	NA	NA	NA	NA	NA	**9.5**
Color	N	COLOR UNIT	NA	< 0 U	NA	NA	< 0 U	NA	NA	< 0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0 U
Color	N	PCU	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.0	NA	NA	NA	NA	NA	NA	NA
Cyanide	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA
Cyanide	N	ug/L	NA	**6.9 F**	NA	NA	< 1 U	NA	NA	< 1 U	NA	NA	NA	NA	**4.4**	NA	NA	NA	< 10	NA	NA	< 0 U
Hardness (as CaCO3)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**260**	NA	NA	NA	NA	NA	NA	NA
pH	N	PH UNITS	NA	NA	NA	NA	7.25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.2 [4.7 [4.3]	7.3 [7.2 [7.3]	7.7 [7.8 [7.8]	NA	NA
Total Dissolved Solids	N	mg/L	NA	**1040**	NA	NA	**1100**	NA	NA	**898**	NA	NA	NA	NA	**1000**	NA	NA	NA	NA	NA	NA	**550**
Total Dissolved Solids	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	NA	**10.9 M**	NA	NA	**2.87**	NA	NA	**2.53 B**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**6.2 J**
Total Organic Carbon 2	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**1.7**	NA	NA	NA	NA	NA	NA	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009
		Sample Date	6/26/2001	9/20/2001	12/13/2001	3/21/2002	6/19/2002	9/20/2002	12/18/2002	3/25/2003	6/20/2003	9/26/2003	1/13/2004	3/22/2004	6/28/2004	9/22/2004	9/28/2004	12/16/2004	3/24/2005	6/23/2005	12/14/2005	6/27/2006
		Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**																				
Metals																						
Aluminum	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	NA	NA	NA	NA	**24.9 F**	**35.8 F**	< 200 U	NA	NA	< 200 U	NA	NA	NA	NA	NA	NA	**30 F**	NA	**53.8 F**	NA
Antimony	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	NA	NA	NA	NA	**6 F**	**3.4 F**	< 50 U	NA	NA	< 50 U	NA	NA	NA	NA	NA	NA	< 50 U	NA	< 50 U	NA
Arsenic	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	ug/L	NA	NA	NA	NA	< 30 U	< 30 U	< 30 U	NA	NA	**12.7 F**	NA	NA	NA	NA	NA	NA	< 30 U	NA	< 30 U	NA
Barium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	ug/L	NA	NA	NA	NA	**12.4**	**12.7 J**	**6 F**	NA	NA	**12.7 F**	NA	NA	NA	NA	NA	NA	**8.63 F**	NA	**6.09 F**	NA
Beryllium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	NA	NA	NA	NA	< 5 U	< 5 U	< 4 U	NA	NA	< 4 U	NA	NA	NA	NA	NA	NA	< 4 U	NA	< 4 U	NA
Boron	T	ug/L	NA	NA	NA	NA	< 110 U	< 110 U	< 110 U	NA	NA	**23.4 F**	NA	NA	NA	NA	NA	NA	**8 F**	NA	NA	NA
Cadmium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	ug/L	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	NA	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Calcium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	**56097 M**	**55089 M**	**19272 J**	**53477 MJ**	**39595 MJ**	**49128 M**	**30235**	**51530 M**	**52798 M**	**75803**	**31258**	**69564**	**70055 M**	**64229 M**	NA	**53120 M**	**51230 M**	**52000 M**	**26300**	**64900**
Chromium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	ug/L	NA	NA	NA	NA	**200**	**80.5 J**	**36.5**	NA	NA	**79.9**	NA	NA	NA	NA	NA	NA	**164 J**	NA	**238 J**	NA
Chromium VI	D	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium VI	T	mg/L	NA	NA	NA	NA	**0.004 F**	NA	NA	NA	NA	**0.053**	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	**0.063**	NA
Cobalt	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	NA	NA	NA	NA	**3.4 F**	< 6 U	< 60 U	NA	NA	**4.1 F**	NA	NA	NA	NA	NA	NA	< 60 U	NA	< 60 U	NA
Copper	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	NA	NA	NA	NA	< 10 U	< 10 U	< 10 U	NA	NA	< 10 U	NA	NA	NA	NA	NA	NA	R	NA	**1.61 F**	NA
Iron	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	**1552**	**574**	**2295 J**	**1015**	**3314 M**	**606 J**	**243**	**306 J**	**625**	**777**	**190 F**	**4293 J**	**196 J**	**6779**	NA	**445 J**	**925 J**	**620 M**	**1580 J**	**5870 J**
Lead	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	ug/L	< 25 U	< 25 U	< 25 U	**2.9 F**	< 25 U	< 25 U	< 25 U	< 25 U	**2.6 F**	< 25 U	< 25 U	< 25 U	< 25 U	**2.1 F**	NA	< 25 U	**0.9 J**	R	< 25 U	**0.87 F**
Magnesium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	**19860**	**21622**	**18485**	**22330**	**19817 MJ**	**21299**	**20160**	**23381 M**	**23086 M**	**26004**	**27975**	**27709 M**	**26824**	**26270**	NA	**21743**	**19450**	**22000**	**21900**	**24300**
Manganese	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	**140**	**55.6**	**20.7 B**	**89.9**	**106**	**64.2**	**10.7**	**7.9 F**	**12.7**	**1331**	**29.1**	**713**	**222**	**555**	NA	**50.5**	**134 J**	**48**	**68.4 J**	**184**
Mercury	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	NA	NA	NA	NA	< 1 UM	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	NA	NA	< 1 U	NA	< 1 U	NA
Nickel	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	NA	NA	NA	NA	**20.3**	**49 J**	**7 F**	NA	NA	**47**	NA	NA	NA	NA	NA	NA	**28 J**	NA	**111 J**	NA
Potassium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	**1810 J**	**2396 J**	**20209**	**5669**	**7304**	**2069**	**13371**	**3243**	**2844**	**6761**	**25988**	**5122 J**	**5478**	**3922**	NA	**3634 J**	**2660 J**	**7000 J**	**23600 J**	**2450**
Selenium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	NA	NA	NA	NA	< 30 U	< 30 U	< 30 U	NA	NA	**18.2 F**	NA	NA	NA	NA	NA	NA	< 30 U	NA	< 30 U	NA
Silver	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	NA	NA	NA	NA	< 10 U	< 10 U	< 10 U	NA	NA	< 10 U	NA	NA	NA	NA	NA	NA	< 10 U	NA	< 10 U	NA
Sodium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	**139780**	**147953**	**158424**	**150090 M**	**127520 MJ**	**136531 M**	**144688**	**136729 M**	**129351 M**	**146569**	**152611**	**154664 M**	**163363**	**182431 M**	NA	**159462 M**	**161300**	**140000 M**	**164000**	**207000**
Thallium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	NA	NA	NA	NA	< 80 U	< 80 U	< 80 U	NA	NA	< 80 U	NA	NA	NA	NA	NA	NA	< 80 U	NA	< 80 U	NA
Vanadium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	NA	NA	NA	NA	< 10 U	< 10 U	**1.7 F**	NA	NA	**3.4 F**	NA	NA	NA	NA	NA	NA	R	NA	**3.52 F**	NA
Zinc	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	NA	NA	NA	NA	**8.6 F**	**367**	**3 F**	NA	NA	**2.3 F**	NA	NA	NA	NA	NA	NA	**5 F**	NA	**161**	NA
Total Recoverable Phenolics	N	mg/L	NA	NA	NA	NA	< 0.005 UM	NA	NA	NA	NA	R	NA	NA	NA	NA	NA	NA	< 0.005 U	NA	< 0.005 U	NA
VOCs																						
1,1,1-Trichloroethane	N	ug/L	< 0.5 U	NA	NA	< 0.5 U	< 10 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA
1,1,2,2-Tetrachloroethane	N	ug/L	< 0.5 U	NA	NA	< 0.5 U	< 10 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA
1,1,2-trichloro-1,2,2-trifluoroethane	N	ug/L	< 0.5 U	NA	NA	< 0.5 U	< 10 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA
1,1,2-Trichloroethane	N	ug/L	< 0.5 U	NA	NA	< 0.5 U	< 10 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 0.5 U	NA
1,1-Dichloroethane	N	ug/L	< 0.5 U	NA	NA	< 0.5 U	< 10 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U [< 0.5 U	< 0.5 U	NA
1,1-Dichloroethene	N	ug/L	< 0.5 U	NA	NA	< 0.5 U	< 10 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	NA
1,2,3-Trichloropropane	N	ug/L	< 1 U	NA	NA	< 1 U	< 20 U	< 1 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 0.5 U	NA
1,2,3-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	N	ug/L	< 0.5 U	NA	NA	< 0.5 U	< 10 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 0.5 U	NA
1,2,4-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	N	ug/L	< 1 U	NA	NA	< 1 U	< 20 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	< 1 U	< 1 U	< 2 U	< 1 U	NA
1,2-Dibromoethane	N	ug/L	< 1 U	NA	NA	< 1 U	< 20 U	< 1 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 0.5 U	NA
1,2-Dichlorobenzene	N	ug/L	< 0.5 U	NA	NA	< 0.5 U	< 10 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 0.5 U	NA
1,2-Dichloroethane	N	ug/L	< 0.5 U	NA	NA	< 0.5 U	< 10 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA
1,2-Dichloroethene, Total	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	N	ug/L	< 0.5 U	NA	NA	< 0.5 U	< 10 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	NA
1,3,5-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	N	ug/L	< 0.5 U	NA	NA	< 0.5 U	< 10 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 0.5 U	NA
1,3-Dichloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	N	ug/L	< 0.5 U	NA	NA	< 0.5 U	< 10 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA
1,4-Dioxane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	N	ug/L	< 5 U	NA	NA	< 5 U	< 100 UM	< 5 UM	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	NA	< 5 U	< 5 U	< 5 U	< 10 U	< 5 U	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009
		Sample Date	6/26/2001	9/20/2001	12/13/2001	3/21/2002	6/19/2002	9/20/2002	12/18/2002	3/25/2003	6/20/2003	9/26/2003	1/13/2004	3/22/2004	6/28/2004	9/22/2004	9/28/2004	12/16/2004	3/24/2005	6/23/2005	12/14/2005	6/27/2006
		Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**																				
2-Chloroethyl vinyl ether	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	N	ug/L	< 5 U	NA	NA	< 5 U	< 100 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	NA	< 5 U	< 5 U	< 5 U	< 10 U	< 5 U	NA
Acetone	N	ug/L	< 5 U	NA	NA	**6.28**	< 200 UM	< 5 UM	< 10 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	NA	< 10 U	< 5 U	R	< 10 U	< 5 U	NA
Acrylonitrile	N	ug/L	< 5 U	NA	NA	< 5 U	< 100 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	NA	< 5 U	< 5 U	< 4 U	< 2.5 U	< 4 U	NA
Benzene	N	ug/L	< 0.5 U	NA	NA	< 0.5 U	< 10 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.4 U	< 0.5 U	NA
Bromochloromethane	N	ug/L	< 0.5 U	NA	NA	< 0.5 U	< 10 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 0.5 U	NA
Bromodichloromethane	N	ug/L	< 0.5 U	NA	NA	< 0.5 U	< 10 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA
Bromoform	N	ug/L	< 1 U	NA	NA	< 1 U	< 20 U	< 1 UM	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 0.5 U	NA
Bromomethane	N	ug/L	< 0.5 U	NA	NA	< 0.5 U	< 10 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 3 U	< 0.5 U	NA
Carbon Disulfide	N	ug/L	< 5 U	NA	NA	< 5 U	< 100 U	< 5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA
Carbon Tetrachloride	N	ug/L	< 0.5 U	NA	NA	< 0.5 U	< 10 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 0.5 U	NA
CFC-11	N	ug/L	< 0.5 U	NA	NA	< 0.5 U	< 10 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 0.5 U	NA
CFC-12	N	ug/L	< 0.5 U	NA	NA	< 0.5 U	< 10 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 0.5 U	NA
Chlorobenzene	N	ug/L	< 0.5 U	NA	NA	< 0.5 U	< 10 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA
Chlorodibromomethane	N	ug/L	< 0.5 U	NA	NA	< 0.5 U	< 10 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA
Chloroethane	N	ug/L	< 0.5 U	NA	NA	< 0.5 U	< 10 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 0.5 UM	NA
Chloroform	N	ug/L	< 0.5 U	NA	NA	< 0.5 U	< 10 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.3 U	< 0.5 U	NA
Chloromethane	N	ug/L	< 0.5 U	NA	NA	< 0.5 U	< 10 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 0.5 U	NA
cis-1,2-Dichloroethene	N	ug/L	< 0.5 U	NA	NA	< 0.5 U	< 10 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 0.5 U	NA
cis-1,3-Dichloropropene	N	ug/L	< 0.5 U	NA	NA	< 0.5 U	< 10 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA
Cyclohexane	N	ug/L	**7.32**	NA	NA	**3.62**	**18.7**	**9.75**	**1.09**	**1.15**	< 0.5 U	**18**	< 0.5 U	**30.8**	**8.96**	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA
Dibromomethane	N	ug/L	< 1 U	NA	NA	< 1 U	< 20 U	< 1 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 0.5 U	NA
Dichloromethane	N	ug/L	< 1 U	NA	NA	< 1 U	< 20 U	< 1 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 0.5 U	NA
Ethylbenzene	N	ug/L	**45.8**	NA	NA	**72.35 J**	**576**	**95.9**	**11.4**	**19.3**	**0.99**	**428**	**0.28 F**	**567**	**175**	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 0.5 U	NA
Isopropylbenzene	N	ug/L	**1.08**	NA	NA	**3.26**	**21.8**	**6.09**	**0.82**	**0.88**	**0.07 F**	**16.1**	< 0.5 U	**27.7**	**9.96**	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 0.5 U	NA
m&p-Xylenes	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	N	ug/L	< 5 U	NA	NA	< 5 U	< 100 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	NA	< 5 U	< 5 U	< 5 U	< 0.5 U	< 5 U	NA
Methyl N-Butyl Ketone (2-Hexanone)	N	ug/L	< 5 U	NA	NA	< 5 U	< 100 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	NA	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	NA
Methylcyclohexane	N	ug/L	**2.01**	NA	NA	**1.38**	**7.84 F**	**4.44**	**0.28 F**	**0.41 F**	< 0.5 U	**9.05**	< 0.5 U	**17.1**	**4.5**	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA
Methyl-tert-butylether	N	ug/L	< 0.5 U	NA	NA	< 0.5 U	< 10 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 5 U	< 0.5 U	NA
n-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenolics	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	N	ug/L	< 1 U	NA	NA	< 1 U	< 20 U	< 1 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 0.5 U	NA
tert-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	N	ug/L	< 1 U	NA	NA	< 1 U	< 20 U	< 1 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 0.5 U	NA
Toluene	N	ug/L	**12.5**	NA	NA	**2.99**	**328**	**76.8 J**	**5.82**	**3.38**	**0.17 F**	**111**	< 0.5 U	**7.7**	**0.81**	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 0.5 U	NA
Total Xylenes	N	ug/L	**18.3**	NA	NA	**39.02**	**1091**	**107**	**15**	**13.1**	**0.22 F**	**513**	**0.26 F**	**307**	**70.3**	NA	< 1.5 U	< 1.5 U	< 1.5 U	< 2 U	< 1.5 U	NA
trans-1,2-Dichloroethene	N	ug/L	< 0.5 U	NA	NA	< 0.5 U	< 10 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U [< 0.5 U]	< 0.5 U	NA
trans-1,3-Dichloropropene	N	ug/L	< 0.5 U	NA	NA	< 0.5 U	< 10 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 0.5 U	NA
trans-1,4-Dichloro-2-butene	N	ug/L	< 5 U	NA	NA	< 5 U	< 100 U	< 5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 2 U	< 5 U	< 2 U	NA
Trichloroethene	N	ug/L	< 0.5 U	NA	NA	< 0.5 U	< 10 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 0.5 U	NA
Vinyl acetate	N	ug/L	< 5 U	NA	NA	R	< 100 U	< 5 U	< 5 U	< 5 U	R	< 5 U	< 5 U	< 5 U	< 5 U	NA	< 5 U	< 5 U	R	< 2 U	< 2 U	NA
Vinyl chloride	N	ug/L	< 0.5 U	NA	NA	< 0.5 U	< 10 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 0.5 U	NA
Leachate Indicators																						
Ammonia Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromide	N	mg/L	NA	NA	NA	NA	RU	NA	NA	NA	NA	< 0 U	NA	NA	NA	NA	NA	NA	< 0 U	NA	< 0 UM	NA
Chloride	N	mg/L	NA	NA	NA	NA	**175 M**	NA	NA	NA	NA	**248 J**	NA	NA	NA	NA	NA	NA	**242 M**	NA	**300 M**	NA
Fluoride (F-, Anion)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	N	mg/L	NA	NA	NA	NA	**21.6**	NA	NA	NA	NA	**22.3**	NA	NA	NA	NA	NA	NA	**31.64**	NA	**36**	NA
Total Kjeldahl Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorus as PO4	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity	N	mg/L	NA	NA	NA	NA	**191 S**	NA	NA	NA	NA	**206 B**	NA	NA	NA	NA	NA	NA	**178**	NA	**180**	NA
Alkalinity (as CaCO3)	N	mg/L	NA	NA	NA	NA	**213 B**	NA	NA	NA	NA	**495 B**	NA	NA	NA	NA	NA	NA	**200**	NA	**170 B**	NA
Alkalinity, Bicarbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Carbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Hydroxide	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Biological Oxygen Demand	N	mg/L	NA	NA	NA	NA	**5.97**	NA	NA	NA	NA	**17.76 B**	NA	NA	NA	NA	NA	NA	**7.3**	NA	< 0 U	NA
Carbon	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**4.07 J**	NA
CBOD	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chemical Oxygen Demand	N	mg/L	NA	NA	NA	NA	**20 B**	NA	NA	NA	NA	**33.6 M**	NA	NA	NA	NA	NA	NA	< 0 U	NA	**40**	NA
Color	N	COLOR UNIT	NA	NA	NA	NA	45 B	NA	NA	NA	NA	< 0 U	NA	NA	NA	NA	NA	NA	< 0 U	NA	10	NA
Color	N	PCU	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	N	ug/L	NA	NA	NA	NA	< 0 U	NA	NA	NA	NA	< 0 U	NA	NA	NA	NA	NA	NA	< 0 U	NA	< 1 U	NA
Hardness (as CaCO3)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	N	PH UNITS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids	N	mg/L	NA	NA	NA	NA	**653 SB**	NA	NA	NA	NA	**681 S**	NA	NA	NA	NA	NA	NA	**698**	NA	**720**	NA
Total Dissolved Solids	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	NA	NA	NA	NA	**1.91 S**	NA	NA	NA	NA	**4.24 J**	NA	NA	NA	NA	NA	NA	**2.4 J**	NA	NA	NA
Total Organic Carbon 2	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-010	MW-23-010
		Sample Date	1/3/2007	7/11/2007	12/5/2007	6/23/2009	12/8/2009	6/22/2010	12/7/2010	12/7/2010	6/21/2011	12/7/2011	6/21/2012	6/19/2013	6/24/2014	6/24/2014	7/7/2015	8/24/2017	8/24/2017	7/30/2018	8/9/1988	1/11/1989
		Sample Type	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	FD	N	N	N
Chemical	**Fraction**	**Unit**																				
Metals																						
Aluminum	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**117**
Aluminum	T	ug/L	**74.4 M**	NA	**138 F**	NA	< 200 UJ	NA	< 100 U	**55.1 F**	**94 F**	< 100 U	NA	< 200 U	NA	NA	NA	NA	NA	< 70	NA	NA
Antimony	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 43
Antimony	T	ug/L	< 50 U	NA	< 50 U	NA	< 2 U	NA	< 1 U	< 1 U	**0.532 F**	< 1 U	NA	**0.899 F**	NA	NA	NA	NA	NA	< 1.0	NA	NA
Arsenic	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.6
Arsenic	T	ug/L	< 30 U	NA	< 30 U	NA	**0.81 F**	NA	< 1 UM	< 1 UM	**0.617 J**	**0.784 F**	NA	**1.46 J**	NA	NA	NA	NA	NA	< 1.0	NA	NA
Barium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**8.1**
Barium	T	ug/L	**15.9 F**	NA	**13.4 F**	NA	**14**	NA	**8.54 F**	**8.84 F**	**8.41 F**	**11.7**	NA	**7.21 F**	NA	NA	NA	NA	NA	**9.9**	NA	NA
Beryllium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.1
Beryllium	T	ug/L	< 4 U	NA	< 4 U	NA	< 1 U	NA	< 2 U	< 2 U	< 2 U	**0.67 F**	NA	< 2 U	NA	NA	NA	NA	NA	< 0.30	NA	NA
Boron	T	ug/L	**9.17 F**	NA	**13 F**	NA	**9.9 F**	NA	< 100 U	< 100 U	< 100 U	< 100 U	NA	< 100 U	NA	NA	NA	NA	NA	< 15	NA	NA
Cadmium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4.3
Cadmium	T	ug/L	< 5 U	< 5 U	< 5 U	< 1 U	< 1 U	< 0.6 U	< 0.6 U	< 0.6 U	< 0.6 U	**0.783**	< 0.6 U	**0.383 F**	< 0.6 U	NA	< 0.6 U	**0.98**	**1.8**	< 1.0	NA	NA
Calcium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**46200**
Calcium	T	ug/L	**63000**	**53900 M**	**53300**	**56000**	**57000 M**	**67800 M**	**65300 M**	**66600 M**	**48400 B**	**61600**	**73600 M**	**22800 M**	**58100 M**	NA	**57500 M**	**61000**	**110000**	**54000**	NA	NA
Chromium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5
Chromium	T	ug/L	**206**	NA	**171**	NA	**570**	NA	**52.4 M**	**50.5 M**	**242 M**	NA	NA	**302 M**	NA	**432 M**	**25.5**	**9600**	**100000**	**13**	NA	NA
Chromium VI	D	mg/L	NA	NA	NA	NA	NA	NA	< 0.005 U	< 0.005 U	NA	**0.0903**	NA	**0.0639**	NA	NA	NA	NA	NA	NA	NA	NA
Chromium VI	T	mg/L	**0.015**	NA	< 0.01 U	NA	**0.0031 F**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.010	NA	NA
Cobalt	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**15**
Cobalt	T	ug/L	< 60 U	NA	**9.4 F**	NA	**11**	NA	**0.929 M**	**0.847 M**	**1.06**	**1.12**	NA	**6.13 J**	NA	NA	NA	NA	NA	**0.31**	NA	NA
Copper	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 3.1
Copper	T	ug/L	< 10 U	NA	< 10 U	NA	**5.5**	NA	< 5 U	< 5 U	**2.75 J**	< 5 U	NA	**4.38 F**	NA	NA	NA	NA	NA	< 1.8	NA	NA
Iron	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**603**
Iron	T	ug/L	**2820 J**	**2880 M**	**2040**	**3600 M**	**3800**	**4030 M**	**595 M**	**621 M**	**2790 M**	**1750**	**11600 M**	**3970 M**	**2400**	NA	**320**	**140000**	**780000**	**160**	NA	NA
Lead	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.91
Lead	T	ug/L	< 25 U	< 25 U	< 25 U	< 2 U	< 2 U	**0.839 F**	< 1 U	< 1 U	**0.601 F**	< 1 U	**0.806 F**	**0.755 F**	< 1 U	NA	< 1 U	**0.93**	**3.4**	< 0.70	NA	NA
Magnesium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**16100**
Magnesium	T	ug/L	**24600**	**21100**	**20300**	**21000**	**24000**	**24200 M**	**22100**	**22600**	**27200 B**	**28700**	**32800 M**	**27300**	**18400 M**	NA	**18800**	**20000**	**21000**	**17000**	NA	NA
Manganese	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**169**
Manganese	T	ug/L	**222 J**	**189 M**	**264**	**85 M**	**240**	**101 M**	**16.7 M**	**20.3 M**	**55.5 B**	**46**	**787 M**	**181 J**	**86.7**	NA	**17.5**	**1300**	**15000**	**4.6**	NA	NA
Mercury	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.2
Mercury	T	ug/L	< 1 U	NA	< 1 U	NA	**0.075 F**	NA	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	NA	< 0.2 U	NA	NA	NA	NA	NA	< 0.080	NA	NA
Nickel	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 24
Nickel	T	ug/L	**32.6**	NA	**53.2**	NA	**47**	NA	**12 M**	**13.7 M**	**74.4 M**	**14.8**	NA	**73.9 M**	NA	NA	NA	NA	NA	**11**	NA	NA
Potassium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**12900**
Potassium	T	ug/L	**2840 J**	**5820 J**	**1650**	**2000**	**1500**	**4580 M**	**1490**	**1580**	**12800 B**	**12600**	**10600**	**27400**	**2710 M**	NA	**1450**	**4000**	**1800**	**1700**	NA	NA
Selenium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**10**
Selenium	T	ug/L	< 30 U	NA	< 30 U	NA	< 5 U	NA	**0.638 F**	< 1 U	**1.1 B**	NA	NA	**0.537 F**	NA	NA	NA	NA	NA	< 2.0	NA	NA
Silver	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4.3
Silver	T	ug/L	< 10 U	NA	< 10 U	NA	**0.28 M**	NA	< 1 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA	NA	NA	NA	NA	< 0.10	NA	NA
Sodium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**39000**
Sodium	T	ug/L	**225000 J**	**170000 M**	**168000**	**120000 M**	**110000**	**147000 M**	**132000 M**	**134000 M**	**127000 J**	**128000**	**137000 M**	**134000**	**168000**	NA	**158000**	**170000**	**170000**	**190000**	NA	NA
Thallium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2
Thallium	T	ug/L	< 80 U	NA	< 80 U	NA	< 1 U	NA	< 0.2 UM	< 0.2 UM	< 0.2 U	< 0.2 U	NA	< 0.2 U	NA	NA	NA	NA	NA	< 0.20	NA	NA
Vanadium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**13**
Vanadium	T	ug/L	**3.15 F**	NA	**2.8 F**	NA	< 5 U	NA	**0.6 M**	**0.603 M**	NA	NA	NA	< 20 UM	NA	NA	NA	NA	NA	< 2.0	NA	NA
Zinc	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**22**
Zinc	T	ug/L	**6.21 F**	NA	**37.9 J**	NA	**7.6 M**	NA	< 20 U	< 20 U	**6.58 F**	**12.4 F**	NA	**20**	NA	NA	NA	NA	NA	< 8.0	NA	NA
Total Recoverable Phenolics	N	mg/L	< 0.005 U	NA	< 0.005 U	NA	**0.0044 M**	NA	**0.0043 F**	**0.0035 F**	NA	< 0.005 U	NA	< 0.005 U	NA	NA	NA	NA	NA	NA	NA	NA
VOCs																						
1,1,1-Trichloroethane	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.40	NA	< 0.40	NA	< 5 [< 0.3]
1,1,2,2-Tetrachloroethane	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.80	NA	< 0.80	NA	< 5 [< 0.3]
1,1,2-trichloro-1,2,2-trifluoroethane	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	NA	NA	NA	< 1.6	NA	< 1.6	NA	< 1
1,1,2-Trichloroethane	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.80	NA	< 0.80	NA	< 5 [< 0.2]
1,1-Dichloroethane	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.80	NA	< 0.80	NA	< 5 [< 0.4]
1,1-Dichloroethene	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.80	NA	< 0.80	NA	< 5 [< 0.3]
1,2,3-Trichloropropane	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.80	NA	< 0.80	NA	NA
1,2,3-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.80	NA	< 0.80	NA	NA
1,2,4-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.40	NA	< 0.40	NA	NA
1,2-Dibromo-3-chloropropane	N	ug/L	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 J	< 2 U	< 2 U	< 2 U	NA	NA	NA	< 1.6	NA	< 1.6	NA	NA
1,2-Dibromoethane	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.40	NA	< 0.40	NA	NA
1,2-Dichlorobenzene	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.40	NA	< 0.40	NA	< 1
1,2-Dichloroethane	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.40	NA	< 0.40	NA	< 5 [< 0.3]
1,2-Dichloroethene, Total	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5	< 5 [< 0.5]
1,2-Dichloropropane	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.40	NA	< 0.40	< 5	< 5 [< 0.2]
1,3,5-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.40	NA	< 0.40	NA	NA
1,3-Dichlorobenzene	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.40	NA	< 0.40	NA	< 1
1,3-Dichloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.40	NA	< 0.40	NA	< 1
1,4-Dioxane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 160	NA	< 160	NA	NA
2-Butanone (MEK)	N	ug/L	< 5 U	< 5 U	< 5 U	< 10 U	< 10 U	< 5 U	< 5 U	< 5 U	< 5 UM	< 5 U	< 5 U	< 5 U	NA	NA	NA	< 4.0	NA	< 4.0	< 10	**50**

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-009	MW-23-010	MW-23-010
		Sample Date	1/3/2007	7/11/2007	12/5/2007	6/23/2009	12/8/2009	6/22/2010	12/7/2010	12/7/2010	6/21/2011	12/7/2011	6/21/2012	6/19/2013	6/24/2014	6/24/2014	7/7/2015	8/24/2017	8/24/2017	7/30/2018	8/9/1988	1/11/1989
		Sample Type	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	FD	N	N	N
Chemical	**Fraction**	**Unit**																				
2-Chloroethyl vinyl ether	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.4
4-Methyl-2-Pentanone	N	ug/L	< 5 U	< 5 U	< 5 U	< 10 U	< 10 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	NA	NA	NA	< 3.2	NA	< 3.2	< 10	< 10
Acetone	N	ug/L	< 5 U	< 5 U	< 5 U	< 20 U	< 20 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	NA	NA	NA	**3.1**	NA	< 6.4	< 10	< 10
Acrylonitrile	N	ug/L	< 4 U	< 4 U	< 4 U	< 1 U	< 1 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	NA	NA	NA	< 4.0	NA	< 4.0	NA	NA
Benzene	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.40	NA	< 0.40	< 5	< 5
Bromochloromethane	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.40	NA	< 0.40	< 5	< 5 [< 0.4]
Bromoform	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.40	NA	< 0.40	NA	< 5 [< 0.5]
Bromomethane	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 M	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.80	NA	< 0.80	NA	< 10 [< 0.5]
Carbon Disulfide	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 5 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 1.6	NA	< 1.6	NA	< 5
Carbon Tetrachloride	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.40	NA	< 0.40	NA	< 5 [< 0.3]
CFC-11	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.80	NA	< 0.80	NA	NA
CFC-12	N	ug/L	< 0.5 U	R	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.80	NA	< 0.80	NA	NA
Chlorobenzene	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.40	NA	< 0.40	< 5	< 5 [< 0.4]
Chlorodibromomethane	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.40	NA	< 0.40	NA	< 5 [< 0.4]
Chloroethane	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 1.6	NA	< 1.6	NA	< 10 [< 0.5]
Chloroform	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.40	NA	< 0.40	**11**	**16 [10]**
Chloromethane	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.80	NA	< 0.80	NA	< 10 [< 0.5]
cis-1,2-Dichloroethene	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.40	NA	< 0.40	NA	NA
cis-1,3-Dichloropropene	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.40	NA	< 0.40	NA	< 5 [< 0.3]
Cyclohexane	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	NA	NA	NA	< 0.80	NA	< 0.80	NA	NA
Dibromomethane	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.40	NA	< 0.40	NA	NA
Dichloromethane	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 5 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.80	NA	< 0.80	**6**	< 5 [< 1]
Ethylbenzene	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.40	NA	< 0.40	< 5	< 5
Isopropylbenzene	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.40	NA	< 0.40	NA	NA
m&p-Xylenes	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.80	NA	NA	NA	NA
Methyl Acetate	N	ug/L	R	R	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	NA	NA	NA	< 4.0	NA	< 4.0	NA	NA
Methyl N-Butyl Ketone (2-Hexanone)	N	ug/L	< 5 U	< 5 U	< 5 U	< 5 U	< 5 UJ	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	NA	NA	NA	< 4.0	NA	< 4.0	< 10	< 10
Methylcyclohexane	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	NA	NA	NA	< 0.80	NA	< 0.80	NA	NA
Methyl-tert-butylether	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.80	NA	< 0.80	NA	NA
n-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.80	NA	< 0.80	NA	NA
n-Propylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.40	NA	< 0.40	NA	NA
o-Xylene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.40	NA	NA	NA	NA
Phenolics	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.010	NA	NA
sec-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.40	NA	< 0.40	NA	NA
Styrene (Monomer)	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.40	NA	< 0.40	NA	< 5
tert-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.40	NA	< 0.40	NA	NA
Tetrachloroethene	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.40	NA	< 0.40	< 5	< 5 [< 0.2]
Toluene	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.40	NA	< 0.40	< 5	< 5
Total Xylenes	N	ug/L	< 1.5 U	< 1.5 U	< 1.5 U	< 3 U	< 3 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	NA	NA	< 0.80	< 5	< 5
trans-1,2-Dichloroethene	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.40	NA	< 0.40	NA	NA
trans-1,3-Dichloropropene	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.40	NA	< 0.40	NA	< 5 [< 0.3]
trans-1,4-Dichloro-2-butene	N	ug/L	< 2 U	< 2 U	< 2 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	NA	NA	NA	< 1.6	NA	< 1.6	NA	NA
Trichloroethene	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.40	NA	< 0.40	< 5	< 5 [< 0.5]
Vinyl acetate	N	ug/L	R	< 2 U	< 2 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 J	< 5 U	< 5 U	< 5 U	NA	NA	NA	< 2.0	NA	< 2.0	NA	< 10
Vinyl chloride	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA	< 0.20	NA	< 0.20	< 10	< 10 [< 0.3]
Leachate Indicators																						
Ammonia Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.050	NA	NA
Bromide	N	mg/L	< 0 UM	NA	< 0 U	NA	< 0 U	NA	< 0 U	< 0 U	NA	< 0 U	NA	< 0.4 U	NA	NA	NA	NA	NA	< 0.20	NA	NA
Chloride	N	mg/L	**350 M**	NA	**250**	NA	**210**	NA	**216 M**	**215 M**	NA	NA	NA	**228 J**	NA	NA	NA	NA	NA	**270**	NA	NA
Fluoride (F-, Anion)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.57**	NA	NA
Sulfate	N	mg/L	**38 M**	NA	**27**	NA	**28 M**	NA	**26.9**	**27**	NA	**24.5**	NA	**27.7**	NA	NA	NA	NA	NA	**26**	NA	NA
Total Kjeldahl Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.18**	NA	NA
Total Phosphorus as PO4	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity	N	mg/L	**190**	NA	**190**	NA	NA	NA	**206 M**	**199 M**	NA	**195**	NA	**161**	NA	NA	NA	NA	NA	**180**	NA	NA
Alkalinity (as CaCO3)	N	mg/L	**270**	NA	**220**	NA	**243**	NA	**238 M**	**240 M**	NA	**266**	NA	**200**	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Bicarbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**180**	NA	NA
Alkalinity, Carbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 3.2	NA	NA
Alkalinity, Hydroxide	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 3.2	NA	NA
Biological Oxygen Demand	N	mg/L	< 0 U	NA	< 0 U	NA	**1.5**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.59	NA	NA
Carbon	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CBOD	N	mg/L	NA	NA	NA	NA	NA	NA	< 0 UM	**1.68 M**	NA	**1.98 F**	NA	< 0 U	NA	NA	NA	NA	NA	NA	NA	NA
Chemical Oxygen Demand	N	mg/L	**26 J**	NA	**4.1 J**	NA	**3 J**	NA	**20.4 M**	**14.8 M**	NA	**10.1 F**	NA	**10.3 M**	NA	NA	NA	NA	NA	< 10	NA	NA
Color	N	COLOR UNIT	15	NA	10	NA	150	NA	5	5	NA	< 0 U	NA	5	NA	NA	NA	NA	NA	NA	NA	NA
Color	N	PCU	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.0	NA	NA
Cyanide	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	N	ug/L	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	< 1 U	NA	**10.9**	NA	< 1 U	NA	NA	NA	NA	NA	**2.3**	NA	NA
Hardness (as CaCO3)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**190**	NA	NA
pH	N	PH UNITS	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.06	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.1 [4.2 [4.3]
Total Dissolved Solids	N	mg/L	**870**	NA	**660**	NA	NA	NA	**696**	**584**	NA	**610**	NA	**574**	NA	NA	NA	NA	NA	**630**	NA	NA
Total Dissolved Solids	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	**3.7 J**	NA	**1.6**	NA	**4.3 M**	NA	**4.77 M**	**7.08 M**	NA	**2.56**	NA	**1.91 B**	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon 2	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.50	NA	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010
		Sample Date	9/13/1991	4/24/2001	6/26/2001	9/27/2001	12/13/2001	3/20/2002	6/19/2002	9/20/2002	12/18/2002	12/18/2002	3/25/2003	6/20/2003	9/26/2003	1/13/2004	1/13/2004	3/22/2004	3/22/2004	6/28/2004	6/28/2004	9/22/2004
		Sample Type	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	FD	N	FD	N	FD	N
Chemical	**Fraction**	**Unit**																				
Metals																						
Aluminum	D	ug/L	< 13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	**400**	**109 J**	NA	NA	NA	NA	< 200 U	< 200 U	< 200 U	< 200 U	NA	NA	< 200 U	NA	NA	NA	NA	NA	NA	NA
Antimony	D	ug/L	< 17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	< 17	< 4.1 U	NA	NA	NA	NA	**6.9 F**	**2.6 F**	< 50 U	< 50 U	NA	NA	< 50 U	NA	NA	NA	NA	NA	NA	NA
Arsenic	D	ug/L	< 2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	ug/L	< 2	< 4.4 U	NA	NA	NA	NA	< 30 U	< 30 U	< 30 U	< 30 U	NA	NA	< 30 U	NA	NA	NA	NA	NA	NA	NA
Barium	D	ug/L	**9.2**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	ug/L	**8.3**	**23.6**	NA	NA	NA	NA	**21.7**	**29.1 J**	**21.2 F**	**20.3 F**	NA	NA	**11.3 F**	NA	NA	NA	NA	NA	NA	NA
Beryllium	D	ug/L	< 2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	< 2	< 0.1 U	NA	NA	NA	NA	< 5 U	< 5 U	< 4 U	< 4 U	NA	NA	< 4 U	NA	NA	NA	NA	NA	NA	NA
Boron	T	ug/L	NA	< 32.4 U	NA	NA	NA	NA	< 110 U	< 110 U	< 110 U	< 110 U	NA	NA	**20 F**	NA	NA	NA	NA	NA	NA	NA
Cadmium	D	ug/L	< 5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	ug/L	< 5	< 0.4 U	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	**0.27 F**	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Calcium	D	ug/L	**54100**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	**58500**	**95800**	**84463 M**	**92380 M**	**90122 J**	**79947 MJ**	**66504 MJ**	**83863 M**	**72084**	**70704**	**67865 M**	**80941 M**	**39696**	**47658**	**46547**	**63168**	**58045**	**56635 M**	**57512 M**	**51556 M**
Chromium	D	ug/L	< 4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	ug/L	**722**	**8.6 B**	NA	NA	NA	NA	**4.5 F**	**211 J**	**5.7 F**	**4.6 F**	NA	NA	**1256**	NA	NA	NA	NA	NA	NA	NA
Chromium VI	D	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium VI	T	mg/L	NA	< 0.01 U	NA	NA	NA	NA	< 0.01 U	NA	NA	NA	NA	NA	< 0.01 U	NA	NA	NA	NA	NA	NA	NA
Cobalt	D	ug/L	< 5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	< 5	< 0.6 U	NA	NA	NA	NA	< 6 U	**1.67 F**	< 60 U	< 60 U	NA	NA	**3.2 F**	NA	NA	NA	NA	NA	NA	NA
Copper	D	ug/L	< 5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	< 5	< 3 U	NA	NA	NA	NA	< 10 U	< 10 U	< 10 U	< 10 U	NA	NA	< 10 U	NA	NA	NA	NA	NA	NA	NA
Iron	D	ug/L	**150**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	**6020**	**433**	**310**	**550**	**747 J**	**429**	**197 MF**	**1167 J**	**195 F**	**173 F**	**204 J**	**376**	**7916**	**1767**	**1727**	**648 J**	**900 J**	**348 J**	**435 J**	**211**
Lead	D	ug/L	**2**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	ug/L	**2**	< 2.1 U	< 25 U	< 25 U	< 25 U	**3.2 F**	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	**3.4 F**	< 25 U	< 25 U	< 25 U	< 25 U	**7.1 F**	< 25 U	< 25 U	< 25 U
Magnesium	D	ug/L	**18000**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	**24300**	**31700**	**30214**	**33002**	**31547**	**32185**	**25454 MJ**	**30567**	**29308**	**28666**	**29147 M**	**28891 M**	**28148**	**27125**	**26896**	**26082 M**	**25989 M**	**27219**	**27712**	**25255**
Manganese	D	ug/L	**197**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	**77.5**	**318**	**254**	**326**	**416 B**	**295**	**232**	**351**	**247**	**245**	**140**	**305**	**353**	**206**	**198**	**248**	**229**	**62.8**	**69.5**	**154**
Mercury	D	ug/L	< 0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	< 0.2	< 0.1 U	NA	NA	NA	NA	< 1 UM	NA	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	NA	NA	NA
Nickel	D	ug/L	< 8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	**68.3**	**4.7 B**	NA	NA	NA	NA	< 10 U	**126 J**	**1.1 F**	< 20 U	NA	NA	**899**	NA	NA	NA	NA	NA	NA	NA
Potassium	D	ug/L	**1980**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	**1570**	**2870 J**	**3374 J**	**7214 J**	**6174**	**13830**	**6062**	**1715**	**10222**	**9631**	**15080**	**1273**	**24458**	**24932**	**25793**	**11759 J**	**16757 J**	**12465**	**13518**	**11126**
Selenium	D	ug/L	**3**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	< 2	< 9.9 U	NA	NA	NA	NA	< 30 U	< 30 U	< 30 U	< 30 U	NA	NA	**20.8 F**	NA	NA	NA	NA	NA	NA	NA
Silver	D	ug/L	**3**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	**2.8**	< 0.9 U	NA	NA	NA	NA	< 10 U	< 10 U	< 10 U	< 10 U	NA	NA	< 10 U	NA	NA	NA	NA	NA	NA	NA
Sodium	D	ug/L	**33500**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	**76700**	**101000**	**100980**	**109317**	**103670**	**109676 M**	**97366 MJ**	**122619 M**	**113709**	**111787**	**119013 M**	**119808 M**	**123574**	**127034**	**127678**	**119338 M**	**120720 M**	**119470**	**120430**	**123208 M**
Thallium	D	ug/L	**1**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	**1**	< 4.3 U	NA	NA	NA	NA	**6.7 F**	**6.2 F**	< 80 U	**8.4 F**	NA	NA	< 80 U	NA	NA	NA	NA	NA	NA	NA
Vanadium	D	ug/L	< 3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	**4.1**	< 1 U	NA	NA	NA	NA	< 10 U	< 10 U	< 10 U	< 10 U	NA	NA	**6.8 F**	NA	NA	NA	NA	NA	NA	NA
Zinc	D	ug/L	< 2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	< 2	**6.6 B**	NA	NA	NA	NA	**9.5 F**	**4.2 F**	**11.7 F**	**5.1 F**	NA	NA	**7.8 F**	NA	NA	NA	NA	NA	NA	NA
Total Recoverable Phenolics	N	mg/L	NA	< 0.005 UJ	NA	NA	NA	NA	< 0.005 UM	NA	NA	NA	NA	NA	**0.005 J**	NA	NA	NA	NA	NA	NA	NA
VOCs																						
1,1,1-Trichloroethane	N	ug/L	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	N	ug/L	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA
1,1,2-trichloro-1,2,2-trifluoroethane	N	ug/L	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	N	ug/L	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	N	ug/L	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	N	ug/L	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	N	ug/L	NA	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	N	ug/L	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	N	ug/L	NA	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane	N	ug/L	NA	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	N	ug/L	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	N	ug/L	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethene, Total	N	ug/L	< 1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	N	ug/L	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	N	ug/L	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA
1,3-Dichloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	N	ug/L	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA
1,4-Dioxane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	N	ug/L	< 2	NA	NA	NA	NA	NA	< 5 UM	NA	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	NA	NA	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010
		Sample Date	9/13/1991	4/24/2001	6/26/2001	9/27/2001	12/13/2001	3/20/2002	6/19/2002	9/20/2002	12/18/2002	12/18/2002	3/25/2003	6/20/2003	9/26/2003	1/13/2004	1/13/2004	3/22/2004	3/22/2004	6/28/2004	6/28/2004	9/22/2004
		Sample Type	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	FD	N	FD	N	FD	N
Chemical	**Fraction**	**Unit**																				
2-Chloroethyl vinyl ether	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	N	ug/L	< 2	< 2 U	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	NA	NA	NA
Acetone	N	ug/L	< 2	NA	NA	NA	NA	NA	< 10 UM	NA	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	NA	NA	NA
Acrylonitrile	N	ug/L	NA	NA	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	NA	NA	NA
Benzene	N	ug/L	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA
Bromochloromethane	N	ug/L	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	N	ug/L	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA
Bromoform	N	ug/L	< 1	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA
Bromomethane	N	ug/L	< 2	< 2 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA
Carbon Disulfide	N	ug/L	< 1	< 1 U	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	N	ug/L	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA
CFC-11	N	ug/L	NA	**0.63 J**	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA
CFC-12	N	ug/L	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	N	ug/L	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA
Chlorodibromomethane	N	ug/L	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA
Chloroethane	N	ug/L	< 2	< 2 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA
Chloroform	N	ug/L	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA
Chloromethane	N	ug/L	< 2	< 2 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	N	ug/L	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	N	ug/L	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA
Cyclohexane	N	ug/L	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA
Dibromomethane	N	ug/L	NA	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA
Dichloromethane	N	ug/L	< 1	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	N	ug/L	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA
m&p-Xylenes	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	N	ug/L	NA	NA	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	NA	NA	NA
Methyl N-Butyl Ketone (2-Hexanone)	N	ug/L	< 2	< 2 U	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	NA	NA	NA
Methylcyclohexane	N	ug/L	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA
Methyl-tert-butylether	N	ug/L	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA
n-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenolics	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	N	ug/L	< 1	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA
tert-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	N	ug/L	< 1	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA
Toluene	N	ug/L	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA
Total Xylenes	N	ug/L	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 1.5 U	NA	NA	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene	N	ug/L	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	N	ug/L	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA
trans-1,4-Dichloro-2-butene	N	ug/L	NA	< 1 U	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	N	ug/L	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA
Vinyl acetate	N	ug/L	< 2	< 4 U	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	N	ug/L	< 2	< 2 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	NA
Leachate Indicators																						
Ammonia Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromide	N	mg/L	NA	< 0 U	NA	NA	NA	NA	RU	NA	NA	NA	NA	NA	**0.06 F**	NA	NA	NA	NA	NA	NA	NA
Chloride	N	mg/L	NA	**271**	NA	NA	NA	NA	**237 M**	NA	NA	NA	NA	NA	**245 J**	NA	NA	NA	NA	NA	NA	NA
Fluoride (F-, Anion)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	N	mg/L	NA	**34**	NA	NA	NA	NA	**35**	NA	NA	NA	NA	NA	**40.4**	NA	NA	NA	NA	NA	NA	NA
Total Kjeldahl Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorus as PO4	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity	N	mg/L	NA	**140**	NA	NA	NA	NA	**157 S**	NA	NA	NA	NA	NA	**129 B**	NA	NA	NA	NA	NA	NA	NA
Alkalinity (as CaCO3)	N	mg/L	NA	**345**	NA	NA	NA	NA	**302 B**	NA	NA	NA	NA	NA	**410 B**	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Bicarbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Carbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Hydroxide	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Biological Oxygen Demand	N	mg/L	NA	**4**	NA	NA	NA	NA	**3.81**	NA	NA	NA	NA	NA	**15 B**	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CBOD	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chemical Oxygen Demand	N	mg/L	NA	< 0 U	NA	NA	NA	NA	**40 B**	NA	NA	NA	NA	NA	**48.6 M**	NA	NA	NA	NA	NA	NA	NA
Color	N	COLOR UNIT	NA	< 0 U	NA	NA	NA	NA	5 B	NA	NA	NA	NA	NA	< 0 U	NA	NA	NA	NA	NA	NA	NA
Color	N	PCU	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	D	ug/L	< 10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	N	ug/L	< 10	< 0 U	NA	NA	NA	NA	< 0 U	NA	NA	NA	NA	NA	< 0 U	NA	NA	NA	NA	NA	NA	NA
Hardness (as CaCO3)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	N	PH UNITS	[.31 [7.32 [7.37	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids	N	mg/L	NA	**650**	NA	NA	NA	NA	**720 SB**	NA	NA	NA	NA	NA	**607 S**	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	NA	**3.8 J**	NA	NA	NA	NA	**5 S**	NA	NA	NA	NA	NA	**2.78 J**	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon 2	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010
		Sample Date	9/22/2004	12/16/2004	12/16/2004	3/24/2005	6/23/2005	12/14/2005	6/27/2006	1/3/2007	7/11/2007	12/5/2007	6/24/2009	12/8/2009	6/22/2010	6/22/2010	12/7/2010	6/21/2011	12/7/2011	6/20/2012	6/19/2013	6/24/2014
		Sample Type	FD	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**																				
Metals																						
Aluminum	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	NA	NA	NA	**30 F**	NA	**42.8 F**	NA	**70.3 M**	NA	**134 F**	NA	**25 J**	NA	NA	**101**	< 100 U	< 100 U	NA	< 200 U	NA
Antimony	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	NA	NA	NA	< 50 U	NA	< 50 U	NA	**3.24 F**	NA	< 50 U	NA	**1.2 F**	NA	NA	< 1 U	< 1 U	< 1 U	NA	**0.581 F**	NA
Arsenic	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	ug/L	NA	NA	NA	< 30 U	NA	< 30 U	NA	< 30 U	NA	< 30 U	NA	< 5 U	NA	NA	< 1 UM	< 1 UJ	< 1 U	NA	< 1 UJ	NA
Barium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	ug/L	NA	NA	NA	**24 F**	NA	**14 F**	NA	**21.3 F**	NA	**20.7 F**	NA	**15**	NA	NA	**11.2**	**8.15 F**	**9.21 F**	NA	< 10 U	NA
Beryllium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	NA	NA	NA	< 4 U	NA	< 4 U	NA	< 4 U	NA	< 4 U	NA	< 1 U	NA	NA	< 2 U	< 2 U	**0.62 F**	NA	< 2 U	NA
Boron	T	ug/L	NA	NA	NA	< 50 U	NA	NA	NA	< 50 U	NA	**6.32 F**	NA	**5.8 F**	NA	NA	< 100 U	< 100 U	< 100 U	NA	< 100 U	NA
Cadmium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	ug/L	< 5 U	**0.49 F**	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	**0.16 F**	**0.29 F**	NA	**0.414 F**	< 0.6 U	< 0.6 U	< 0.6 U	**0.334 F**	< 0.6 U	**0.437 F**
Calcium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	**49298 M**	**62116 M**	**63916 M**	**78510 M**	**60000 M**	**30100**	**72700**	**62400**	**56900 M**	**61900**	**41000**	**43000 M**	**40800 M**	NA	**41400 M**	**19000 B**	**13300**	**8730 M**	**5810 M**	**79400 M**
Chromium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	ug/L	NA	NA	NA	**13 J**	NA	**32.7 J**	NA	**20**	NA	**10.4**	NA	**22**	NA	NA	**22.2 M**	**24.5 M**	NA	NA	**51.9 M**	**65.2 M**
Chromium VI	D	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.005 U	NA	**0.0199**	NA	< 0.01 U	NA
Chromium VI	T	mg/L	NA	NA	NA	< 0.5 U	NA	**0.0071 F**	NA	**0.0019 F**	NA	< 0.01 U	NA	< 0.005 U	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	NA	NA	NA	< 60 U	NA	< 60 U	NA	< 60 U	NA	< 60 U	NA	**0.13 F**	NA	NA	< 1 UM	< 1 U	< 1 U	NA	< 1 UJ	NA
Copper	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	NA	NA	NA	R	NA	< 10 U	NA	< 10 U	NA	< 10 U	NA	**1.1**	NA	NA	< 5 U	**2.85 J**	< 5 U	NA	**2.98 F**	NA
Iron	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	**209**	**794 J**	**641 J**	**378 J**	**270 M**	**176 J**	**556 J**	**385 J**	**756 M**	**359**	**810 M**	**400**	**1370 M**	NA	**437 M**	**266 M**	**414**	**663 M**	**493 M**	**683**
Lead	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	ug/L	< 25 U	< 25 U	< 25 U	R	R	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	**0.35 F**	**0.41 F**	NA	**2.25**	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Magnesium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	**26204**	**26717**	**26607**	**28600**	**29000**	**29600**	**31300**	**27500**	**26300**	**23700**	**14000**	**17000**	**13700 M**	NA	**14000**	**15000 B**	**14100**	**13600 M**	**16500**	**30200 M**
Manganese	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	**132**	**268**	**284**	**290 J**	**120**	**72.7 J**	**272**	**209 J**	**62.7 M**	**231**	**1100 M**	**290**	**609 M**	NA	**241 M**	**244**	**262**	**238 M**	**156 J**	**299**
Mercury	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	NA	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	**0.068 F**	NA	NA	< 0.2 U	< 0.2 U	< 0.2 U	NA	< 0.2 U	NA
Nickel	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	NA	NA	NA	**6 J**	NA	**25.7 J**	NA	**34.7**	NA	**3.56 F**	NA	**9.4**	NA	NA	**8.47 M**	**7.66 M**	**14.6**	NA	**29.3 M**	NA
Potassium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	**13563**	**15081 J**	**11945 J**	**2690 J**	**13000 J**	**27100 J**	**11500**	**13300 J**	**10200 J**	**1550**	**2300**	**1500**	**3030 M**	NA	**1250**	**14800 B**	**25400**	**36900**	**40900**	**3500 M**
Selenium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	NA	NA	NA	< 30 U	NA	< 30 U	NA	< 30 U	NA	< 30 U	NA	< 5 U	NA	NA	< 1 U	**0.587 F**	NA	NA	< 1 U	NA
Silver	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	NA	NA	NA	< 10 U	NA	< 10 U	NA	< 10 U	NA	< 10 U	NA	< 1 UM	NA	NA	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
Sodium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	**125109 M**	**135820 M**	**131891 M**	**133600**	**140000 M**	**150000**	**137000**	**129000 J**	**130000 M**	**121000**	**84000 M**	**90000**	**82100 M**	NA	**82500 M**	**78900 J**	**85100**	**89800 M**	**76200**	**55800**
Thallium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	NA	NA	NA	< 80 U	NA	< 80 U	NA	< 80 U	NA	< 80 U	NA	< 1 U	NA	NA	< 0.2 UM	< 0.2 U	< 0.2 U	NA	< 0.2 U	NA
Vanadium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	NA	NA	NA	R	NA	< 10 U	NA	< 10 U	NA	< 10 U	NA	< 5 U	NA	NA	< 1 UM	< 1 U	NA	NA	< 5 UM	NA
Zinc	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	NA	NA	NA	**5 F**	NA	**284**	NA	**67.4**	NA	**46.8 J**	NA	**16 M**	NA	NA	< 20 U	< 20 U	**12.7 F**	NA	**25.9**	NA
Total Recoverable Phenolics	N	mg/L	NA	NA	NA	**0.0023 F**	NA	< 0.005 U	NA	< 0.005 U	NA	< 0.005 U	NA	< 0.05 UM	NA	NA	**0.0069 B**	NA	< 0.005 U	NA	< 0.005 U	NA
VOCs																						
1,1,1-Trichloroethane	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
1,1,2,2-Tetrachloroethane	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
1,1,2-trichloro-1,2,2-trifluoroethane	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 5 U	< 5 U	< 5 U	NA	< 5 U	NA
1,1,2-Trichloroethane	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
1,1-Dichloroethane	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
1,1-Dichloroethene	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
1,2,3-Trichloropropane	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
1,2,3-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
1,2,4-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	N	ug/L	NA	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 2 U	NA	NA	< 2 U	< 2 U	< 2 U	NA	< 2 U	NA
1,2-Dibromoethane	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
1,2-Dichlorobenzene	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
1,2-Dichloroethane	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
1,2-Dichloroethene, Total	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
1,3,5-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
1,3-Dichloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
1,4-Dioxane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	N	ug/L	NA	NA	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 10 U	NA	NA	< 5 U	< 5 UM	< 5 U	NA	< 5 U	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010	MW-23-010
		Sample Date	9/22/2004	12/16/2004	12/16/2004	3/24/2005	6/23/2005	12/14/2005	6/27/2006	1/3/2007	7/11/2007	12/5/2007	6/24/2009	12/8/2009	6/22/2010	6/22/2010	12/7/2010	6/21/2011	12/7/2011	6/20/2012	6/19/2013	6/24/2014
		Sample Type	FD	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**																				
2-Chloroethyl vinyl ether	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	N	ug/L	NA	NA	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 10 U	NA	NA	< 5 U	< 5 U	< 5 U	NA	< 5 U	NA
Acetone	N	ug/L	NA	NA	NA	R	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 20 U	NA	NA	< 5 U	< 5 U	< 5 U	NA	< 5 U	NA
Acrylonitrile	N	ug/L	NA	NA	NA	< 4 U	NA	< 4 U	NA	< 4 U	NA	< 4 U	NA	< 1 U	NA	NA	< 5 U	< 5 U	< 5 U	NA	< 5 U	NA
Benzene	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
Bromochloromethane	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
Bromodichloromethane	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
Bromoform	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
Bromomethane	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
Carbon Disulfide	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 5 U	NA	NA	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
Carbon Tetrachloride	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
CFC-11	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
CFC-12	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
Chlorobenzene	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
Chlorodibromomethane	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
Chloroethane	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 UM	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
Chloroform	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
Chloromethane	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
cis-1,2-Dichloroethene	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
cis-1,3-Dichloropropene	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
Cyclohexane	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 5 U	NA	NA	< 5 U	< 5 U	< 5 U	NA	< 5 U	NA
Dibromomethane	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
Dichloromethane	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 5 U	NA	NA	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
Ethylbenzene	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
Isopropylbenzene	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
m&p-Xylenes	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	N	ug/L	NA	NA	NA	< 5 U	NA	< 5 U	NA	R	NA	< 5 U	NA	< 5 U	NA	NA	< 5 U	< 5 U	< 5 U	NA	< 5 U	NA
Methyl N-Butyl Ketone (2-Hexanone)	N	ug/L	NA	NA	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 5 UJ	NA	NA	< 5 U	< 5 U	< 5 U	NA	< 5 U	NA
Methylcyclohexane	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 5 U	NA	NA	< 5 U	< 5 U	< 5 U	NA	< 5 U	NA
Methyl-tert-butylether	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
n-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenolics	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
tert-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
Toluene	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
Total Xylenes	N	ug/L	NA	NA	NA	< 1.5 U	NA	< 1.5 U	NA	< 1.5 U	NA	< 1.5 U	NA	< 3 U	NA	NA	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
trans-1,2-Dichloroethene	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
trans-1,3-Dichloropropene	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
trans-1,4-Dichloro-2-butene	N	ug/L	NA	NA	NA	< 2 U	NA	< 2 U	NA	< 2 U	NA	< 2 U	NA	< 5 U	NA	NA	< 5 U	< 5 U	< 5 U	NA	< 5 U	NA
Trichloroethene	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
Vinyl acetate	N	ug/L	NA	NA	NA	R	NA	< 2 U	NA	R	NA	< 2 U	NA	< 5 U	NA	NA	< 5 U	< 5 U	< 5 U	NA	< 5 U	NA
Vinyl chloride	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
Leachate Indicators																						
Ammonia Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromide	N	mg/L	NA	NA	NA	< 0 U	NA	< 0 UM	NA	< 0 UM	NA	< 0 U	NA	< 0 U	NA	NA	< 0 U	NA	< 0 U	NA	< 1 U	NA
Chloride	N	mg/L	NA	NA	NA	**253 M**	NA	**280 M**	NA	**260 M**	NA	**200**	NA	**130**	NA	NA	**102 M**	NA	NA	NA	**103 J**	NA
Fluoride (F-, Anion)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	N	mg/L	NA	NA	NA	**40.42**	NA	**43**	NA	**40 M**	NA	**35**	NA	**29 M**	NA	NA	**25.5**	NA	**22.1**	NA	**31.1**	NA
Total Kjeldahl Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorus as PO4	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity	N	mg/L	NA	NA	NA	**174**	NA	**130**	NA	**190**	NA	**180**	NA	NA	NA	NA	**172 M**	NA	**135**	NA	**140**	NA
Alkalinity (as CaCO3)	N	mg/L	NA	NA	NA	**332**	NA	**200 B**	NA	**280**	NA	**250**	NA	**165**	NA	NA	**154 M**	NA	**94**	NA	**94**	NA
Alkalinity, Bicarbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Carbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Hydroxide	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Biological Oxygen Demand	N	mg/L	NA	NA	NA	< 0 U	NA	< 0 U	NA	**5.5**	NA	< 0 U	NA	**3.9**	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	NA	NA	NA	NA	NA	**2.06 J**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CBOD	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**7.34 M**	NA	**1.17 F**	NA	< 0 U	NA
Chemical Oxygen Demand	N	mg/L	NA	NA	NA	< 0 U	NA	**49**	NA	**57 J**	NA	R	NA	**29 J**	NA	NA	**20.8 M**	NA	**22.8**	NA	**41.4 M**	NA
Color	N	COLOR UNIT	NA	NA	NA	10	NA	5 U	NA	< 0 U	NA	10	NA	< 0 U	NA	NA	< 0 U	NA	< 0 U	NA	5	NA
Color	N	PCU	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	N	ug/L	NA	NA	NA	< 0 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	< 1 U	NA	**9.6 F**	NA	< 1 U	NA
Hardness (as CaCO3)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	N	PH UNITS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.33	NA	NA	NA
Total Dissolved Solids	N	mg/L	NA	NA	NA	**1164**	NA	**650**	NA	**700**	NA	**560**	NA	NA	NA	NA	**396**	NA	**380**	NA	**360**	NA
Total Dissolved Solids	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	NA	NA	NA	**2.1 J**	NA	NA	NA	**8.6 J**	NA	**1.4**	NA	**4.9 M**	NA	NA	**5.21 M**	NA	**1.55**	NA	**1.42 B**	NA
Total Organic Carbon 2	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-010	MW-23-010	MW-23-010	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011
		Sample Date	7/7/2015	8/24/2017	8/1/2018	1/13/1989	9/13/1991	11/26/1991	4/26/2001	6/26/2001	9/27/2001	12/13/2001	3/18/2002	6/20/2002	9/19/2002	12/17/2002	3/19/2003	6/23/2003	9/24/2003	1/14/2004	3/24/2004	6/29/2004
		Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**																				
Metals																						
Aluminum	D	ug/L	NA	NA	NA	**367**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	NA	NA	< 70	NA	NA	NA	< 8.5 U	NA	NA	NA	NA	**110 F**	< 200 U	< 200 U	NA	NA	**1738 M**	NA	NA	NA
Antimony	D	ug/L	NA	NA	NA	< 43	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	NA	NA	**1.8**	NA	NA	NA	< 4.1 U	NA	NA	NA	NA	**10.4 F**	< 50 U	< 50 U	NA	NA	< 50 U	NA	NA	NA
Arsenic	D	ug/L	NA	NA	NA	**22**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	ug/L	NA	NA	< 1.0	NA	NA	NA	**10.3 J**	NA	NA	NA	NA	**12.7 F**	**8.8 F**	< 30 U	NA	NA	**19.6 F**	NA	NA	NA
Barium	D	ug/L	NA	NA	NA	**125**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	ug/L	NA	NA	**1.3**	NA	NA	NA	**26.4**	NA	NA	NA	NA	**19.7**	**25.3 J**	**20.8 F**	NA	NA	**30.6 F**	NA	NA	NA
Beryllium	D	ug/L	NA	NA	NA	< 1.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	NA	NA	< 0.30	NA	NA	NA	**0.18 B**	NA	NA	NA	NA	< 5 U	< 5 U	< 4 U	NA	NA	< 4 U	NA	NA	NA
Boron	T	ug/L	NA	NA	**7.3**	NA	NA	NA	< 32.4 U	NA	NA	NA	NA	**28.9 F**	< 110 U	< 110 U	NA	NA	**44.3 F**	NA	NA	NA
Cadmium	D	ug/L	NA	NA	NA	< 4.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	ug/L	< 0.6 U	< 1.0	< 1.0	NA	NA	NA	< 0.4 U	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Calcium	D	ug/L	NA	NA	NA	**116000**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	**80300 M**	**64000**	**2600**	NA	NA	NA	**127000**	**108630 M**	**111099 M**	**125976 J**	**113330 MJ**	**97225 M**	**114800 M**	**110380**	**118306 M**	**113527 M**	**109744**	**105355**	**106532**	**130845 M**
Chromium	D	ug/L	NA	NA	NA	**7.2**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	ug/L	**2.97**	**5.2**	**5.4**	NA	NA	NA	**5.2 B**	NA	NA	NA	NA	< 10 U	**399 J**	**4.3 F**	NA	NA	**16.8**	NA	NA	NA
Chromium VI	D	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium VI	T	mg/L	NA	NA	< 0.010	NA	NA	NA	< 0.01 UJ	NA	NA	NA	NA	R	NA	NA	NA	NA	**0.036 M**	NA	NA	NA
Cobalt	D	ug/L	NA	NA	NA	**8.6**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	NA	NA	**0.12**	NA	NA	NA	**0.86 B**	NA	NA	NA	NA	< 6 U	**4.35 F**	< 60 U	NA	NA	< 60 U	NA	NA	NA
Copper	D	ug/L	NA	NA	NA	**6.9**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	NA	NA	**0.75**	NA	NA	NA	**5.6 B**	NA	NA	NA	NA	< 10 U	< 10 U	< 10 U	NA	NA	< 10 U	NA	NA	NA
Iron	D	ug/L	NA	NA	NA	**47100**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	**379**	**460**	**48**	NA	NA	NA	**19600**	**12764**	**14120**	**14582 J**	**16365**	**13500 M**	**18036 J**	**17652**	**18203 J**	**17530**	**22628**	**13387**	**13079**	**16716**
Lead	D	ug/L	NA	NA	NA	< 0.91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	ug/L	< 1 U	< 0.70	< 0.70	NA	NA	NA	< 2.1 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	**3 F**	< 25 U	< 25 U	< 25 U	**6.3 F**	< 25 U
Magnesium	D	ug/L	NA	NA	NA	**31400**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	**31600**	**27000**	**27000**	NA	NA	NA	**22400**	**20139**	**21466**	**22559**	**22909**	**19408 M**	**23264**	**22076**	**23824 M**	**22794 M**	**23995**	**21476**	**21088 M**	**24695**
Manganese	D	ug/L	NA	NA	NA	**385**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	**287**	**230**	**10**	NA	NA	NA	**1100**	**699**	**752**	**831 B**	**879**	**773**	**1013**	**944**	**973**	**992**	**992**	**892**	**939**	**1076**
Mercury	D	ug/L	NA	NA	NA	< 0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	NA	NA	< 0.080	NA	NA	NA	< 0.1 U	NA	NA	NA	NA	< 1 UM	NA	NA	NA	NA	< 1 U	NA	NA	NA
Nickel	D	ug/L	NA	NA	NA	< 24	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	NA	NA	**3.0**	NA	NA	NA	**3 B**	NA	NA	NA	NA	< 10 U	**267 J**	< 20 U	NA	NA	**8.8 F**	NA	NA	NA
Potassium	D	ug/L	NA	NA	NA	**40000**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	**1430**	**11000**	**73000**	NA	NA	NA	**4390 J**	**4115 J**	**4177 J**	**4089**	**3580**	**3147**	**3125**	**2608**	**2861**	**2390**	**2736**	**2066**	**2228**	**2183**
Selenium	D	ug/L	NA	NA	NA	**21**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	NA	NA	< 2.0	NA	NA	NA	< 9.9 U	NA	NA	NA	NA	< 30 U	< 30 U	**10.9 F**	NA	NA	**22.6 F**	NA	NA	NA
Silver	D	ug/L	NA	NA	NA	< 4.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	NA	NA	< 0.10	NA	NA	NA	< 0.9 U	NA	NA	NA	NA	< 10 U	< 10 U	< 10 U	NA	NA	< 10 U	NA	NA	NA
Sodium	D	ug/L	NA	NA	NA	**52100**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	**58300**	**120000**	**130000**	NA	NA	NA	**87100**	**101710**	**124673**	**115242**	**106759 M**	**99794 M**	**121113 M**	**126224**	**117026 M**	**101349 M**	**111330**	**102670**	**91777 M**	**92137 J**
Thallium	D	ug/L	NA	NA	NA	< 2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	NA	NA	< 0.20	NA	NA	NA	< 4.3 U	NA	NA	NA	NA	**8.2 F**	**13 F**	**13.7 F**	NA	NA	< 80 U	NA	NA	NA
Vanadium	D	ug/L	NA	NA	NA	< 2.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	NA	NA	< 2.0	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 10 U	< 10 U	< 10 U	NA	NA	**6.6 F**	NA	NA	NA
Zinc	D	ug/L	NA	NA	NA	**30**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	NA	NA	**5.1**	NA	NA	NA	< 3 U	NA	NA	NA	NA	**4.5 F**	**46.7**	< 20 U	NA	NA	**10.5 F**	NA	NA	NA
Total Recoverable Phenolics	N	mg/L	NA	NA	NA	NA	NA	NA	< 0.005 UJ	NA	NA	NA	NA	< 0.005 UM	NA	NA	NA	NA	**0.0063 J**	NA	NA	NA
VOCs																						
1,1,1-Trichloroethane	N	ug/L	NA	NA	< 0.40	< 5 [< 0.3]	< 5	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
1,1,2,2-Tetrachloroethane	N	ug/L	NA	NA	< 0.80	< 5 [< 0.3]	< 5	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
1,1,2-trichloro-1,2,2-trifluoroethane	N	ug/L	NA	NA	< 1.6	< 1	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
1,1,2-Trichloroethane	N	ug/L	NA	NA	< 0.80	< 5 [< 0.2]	< 5	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
1,1-Dichloroethane	N	ug/L	NA	NA	< 0.80	< 5 [< 0.4]	< 5	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
1,1-Dichloroethene	N	ug/L	NA	NA	< 0.80	**< 5 [0.5]**	< 5	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
1,2,3-Trichloropropane	N	ug/L	NA	NA	< 0.80	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
1,2,3-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	N	ug/L	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
1,2,4-Trimethylbenzene	N	ug/L	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	N	ug/L	NA	NA	< 1.6	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA
1,2-Dibromoethane	N	ug/L	NA	NA	< 0.40	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
1,2-Dichlorobenzene	N	ug/L	NA	NA	< 0.40	< 1	NA	NA	< 1 U	NA	NA	NA	NA	**0.14 F**	NA	NA	NA	NA	**0.12 F**	NA	NA	NA
1,2-Dichloroethane	N	ug/L	NA	NA	< 0.40	< 5 [< 0.3]	< 5	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
1,2-Dichloroethene, Total	N	ug/L	NA	NA	NA	**1 [< 0.5]**	< 5	< 1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	N	ug/L	NA	NA	< 0.40	< 5 [< 0.2]	< 5	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
1,3,5-Trimethylbenzene	N	ug/L	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	N	ug/L	NA	NA	< 0.40	< 1	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
1,3-Dichloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	N	ug/L	NA	NA	< 0.40	< 1	NA	NA	**1.4**	NA	NA	NA	NA	**1.17**	NA	NA	NA	NA	**1.07**	NA	NA	NA
1,4-Dioxane	N	ug/L	NA	NA	< 160	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	N	ug/L	NA	NA	< 4.0	< 10	< 10	< 2	NA	NA	NA	NA	NA	< 5 UM	NA	NA	NA	NA	< 5 U	NA	NA	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-010	MW-23-010	MW-23-010	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011
		Sample Date	7/7/2015	8/24/2017	8/1/2018	1/13/1989	9/13/1991	11/26/1991	4/26/2001	6/26/2001	9/27/2001	12/13/2001	3/18/2002	6/20/2002	9/19/2002	12/17/2002	3/19/2003	6/23/2003	9/24/2003	1/14/2004	3/24/2004	6/29/2004
		Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**																				
2-Chloroethyl vinyl ether	N	ug/L	NA	NA	NA	< 0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	N	ug/L	NA	NA	< 3.2	< 10	< 10	< 2	< 2 U	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	< 5 U	NA	NA	NA
Acetone	N	ug/L	NA	NA	< 6.4	< 10	< 10	< 2	NA	NA	NA	NA	NA	< 10 UM	NA	NA	NA	NA	< 5 U	NA	NA	NA
Acrylonitrile	N	ug/L	NA	NA	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	< 5 U	NA	NA	NA
Benzene	N	ug/L	NA	NA	< 0.40	**10**	< 5	**8**	**1.2**	NA	NA	NA	NA	**0.75**	NA	NA	NA	NA	**0.88**	NA	NA	NA
Bromochloromethane	N	ug/L	NA	NA	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Bromodichloromethane	N	ug/L	NA	NA	< 0.40	< 5 [< 0.4]	< 5	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Bromoform	N	ug/L	NA	NA	< 0.40	< 5 [< 0.5]	< 5	< 1	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Bromomethane	N	ug/L	NA	NA	< 0.80	< 10 [< 0.5]	< 10	< 2	< 2 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Carbon Disulfide	N	ug/L	NA	NA	< 1.6	< 5	< 5	< 1	< 1 U	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Carbon Tetrachloride	N	ug/L	NA	NA	< 0.40	< 5 [< 0.3]	< 5	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
CFC-11	N	ug/L	NA	NA	< 0.80	NA	NA	NA	**0.49 J**	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
CFC-12	N	ug/L	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	**0.69**	NA	NA	NA
Chlorobenzene	N	ug/L	NA	NA	< 0.40	**10 [< 0.4]**	< 5	**10**	**0.48 J**	NA	NA	NA	NA	**0.68**	NA	NA	NA	NA	**0.72**	NA	NA	NA
Chlorodibromomethane	N	ug/L	NA	NA	< 0.40	< 5 [< 0.4]	< 5	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Chloroethane	N	ug/L	NA	NA	< 1.6	< 10 [< 0.5]	< 10	< 2	< 2 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Chloroform	N	ug/L	NA	NA	< 0.40	< 5 [< 0.2]	< 5	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Chloromethane	N	ug/L	NA	NA	< 0.80	< 10 [< 0.5]	< 10	< 2	< 2 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
cis-1,2-Dichloroethene	N	ug/L	NA	NA	< 0.40	NA	NA	NA	< 1 U	NA	NA	NA	NA	**0.14 F**	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
cis-1,3-Dichloropropene	N	ug/L	NA	NA	< 0.40	< 5 [< 0.3]	< 5	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Cyclohexane	N	ug/L	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	**0.09 F**	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Dibromomethane	N	ug/L	NA	NA	< 0.40	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Dichloromethane	N	ug/L	NA	NA	< 0.80	< 5 [< 1]	< 5	**3**	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Ethylbenzene	N	ug/L	NA	NA	< 0.40	**54**	< 5	**48**	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Isopropylbenzene	N	ug/L	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	**0.11 F**	NA	NA	NA	NA	**0.13 F**	NA	NA	NA
m&p-Xylenes	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	N	ug/L	NA	NA	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	< 5 U	NA	NA	NA
Methyl N-Butyl Ketone (2-Hexanone)	N	ug/L	NA	NA	< 4.0	< 10	< 10	< 2	< 2 U	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	< 5 U	NA	NA	NA
Methylcyclohexane	N	ug/L	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Methyl-tert-butylether	N	ug/L	NA	NA	< 0.80	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
n-Butylbenzene	N	ug/L	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	N	ug/L	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenolics	N	mg/L	NA	NA	< 0.010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	N	ug/L	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	N	ug/L	NA	NA	< 0.40	< 5	< 5	< 1	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
tert-Butylbenzene	N	ug/L	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	N	ug/L	NA	NA	< 0.40	< 5 [< 0.2]	< 5	< 1	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Toluene	N	ug/L	NA	NA	< 0.40	**2**	< 5	**1**	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Total Xylenes	N	ug/L	NA	NA	< 0.80	**43**	< 5	**25**	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 1.5 U	NA	NA	NA
trans-1,2-Dichloroethene	N	ug/L	NA	NA	< 0.40	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
trans-1,3-Dichloropropene	N	ug/L	NA	NA	< 0.40	< 5 [< 0.3]	< 5	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
trans-1,4-Dichloro-2-butene	N	ug/L	NA	NA	< 1.6	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Trichloroethene	N	ug/L	NA	NA	< 0.40	< 5 [< 0.5]	< 5	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Vinyl acetate	N	ug/L	NA	NA	< 2.0	< 10	< 10	< 2	< 4 U	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	< 5 U	NA	NA	NA
Vinyl chloride	N	ug/L	NA	NA	< 0.20	< 10 [< 0.3]	< 10	**7**	**2.2**	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	**0.96**	NA	NA	NA
Leachate Indicators																						
Ammonia Nitrogen	N	mg/L	NA	NA	< 0.050	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromide	N	mg/L	NA	NA	< 0.20	NA	NA	NA	< 0 U	NA	NA	NA	NA	< 0 U	NA	NA	NA	NA	< 0 U	NA	NA	NA
Chloride	N	mg/L	NA	NA	**170**	NA	NA	NA	**154**	NA	NA	NA	NA	**170 J**	NA	NA	NA	NA	**166 J**	NA	NA	NA
Fluoride (F-, Anion)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	N	mg/L	NA	NA	**0.14**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	N	mg/L	NA	NA	**24**	NA	NA	NA	**29.7**	NA	NA	NA	NA	**28.5**	NA	NA	NA	NA	**27.4**	NA	NA	NA
Total Kjeldahl Nitrogen	N	mg/L	NA	NA	< 0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorus as PO4	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity	N	mg/L	NA	NA	**170**	NA	NA	NA	**320**	NA	NA	NA	NA	**272 S**	NA	NA	NA	NA	**302 B**	NA	NA	NA
Alkalinity (as CaCO3)	N	mg/L	NA	NA	NA	NA	NA	NA	**380**	NA	NA	NA	NA	**302 B**	NA	NA	NA	NA	**519 B**	NA	NA	NA
Alkalinity, Bicarbonate	N	mg/L	NA	NA	**32**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Carbonate	N	mg/L	NA	NA	**130**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Hydroxide	N	mg/L	NA	NA	< 5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Biological Oxygen Demand	N	mg/L	NA	NA	< 0.59	NA	NA	NA	**6**	NA	NA	NA	NA	R	NA	NA	NA	NA	**5.49 B**	NA	NA	NA
Carbon	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CBOD	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chemical Oxygen Demand	N	mg/L	NA	NA	< 20	NA	NA	NA	**11**	NA	NA	NA	NA	< 0 U	NA	NA	NA	NA	< 0 U	NA	NA	NA
Color	N	COLOR UNIT	NA	NA	NA	NA	NA	NA	40	NA	NA	NA	NA	100 B	NA	NA	NA	NA	125	NA	NA	NA
Color	N	PCU	NA	NA	< 5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	N	ug/L	NA	NA	< 5	NA	NA	NA	< 0 U	NA	NA	NA	NA	< 0 U	NA	NA	NA	NA	< 0 U	NA	NA	NA
Hardness (as CaCO3)	N	mg/L	NA	NA	**130**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	N	PH UNITS	NA	NA	NA	NA	6.38 [6.32	[6.28	6.6 [6.6	[6.7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids	N	mg/L	NA	NA	**540**	NA	NA	NA	**570**	NA	NA	NA	NA	**607 SB**	NA	NA	NA	NA	**629 S**	NA	NA	NA
Total Dissolved Solids	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	NA	NA	NA	NA	NA	NA	**4.6 J**	NA	NA	NA	NA	**1.77 S**	NA	NA	NA	NA	**2.84 J**	NA	NA	NA
Total Organic Carbon 2	N	mg/L	NA	NA	**1.4**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011
		Sample Date	9/23/2004	12/16/2004	3/29/2005	6/28/2005	6/28/2005	12/14/2005	6/28/2006	6/28/2006	1/4/2007	7/11/2007	12/6/2007	6/25/2009	12/8/2009	6/23/2010	12/7/2010	6/22/2011	12/12/2011	6/22/2012	6/20/2013	6/19/2014
		Sample Type	N	N	N	N	FD	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**																				
Metals																						
Aluminum	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	NA	NA	**1750**	NA	NA	**109 F**	NA	NA	**78.5 M**	NA	**42.5 F**	NA	**1800 J**	NA	**1110**	**228**	< 100 U	NA	**167 F**	NA
Antimony	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	NA	NA	< 50 U	NA	NA	< 50 U	NA	NA	< 50 U	NA	< 50 U	NA	< 2 U	NA	**3.24**	< 1 U	< 1 U	NA	< 1 U	NA
Arsenic	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	ug/L	NA	NA	**16 F**	NA	NA	**6.09 F**	NA	NA	**5.74 F**	NA	**5.84 F**	NA	**6.1**	NA	**95.7 M**	**8.37 J**	**5.23**	NA	**5.3 J**	NA
Barium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	ug/L	NA	NA	**38.6 F**	NA	NA	**24.3 F**	NA	NA	**16.7 F**	NA	**23.3 F**	NA	**33**	NA	**48.8**	**39.1 B**	**25.3**	NA	**31.6**	NA
Beryllium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	NA	NA	< 4 U	NA	NA	< 4 U	NA	NA	< 4 U	NA	< 4 U	NA	< 1 U	NA	< 2 U	< 2 U	< 2 U	NA	< 2 U	NA
Boron	T	ug/L	NA	NA	**14 F**	NA	NA	NA	NA	NA	**5.48 F**	NA	**13.5 F**	NA	**13**	NA	**147**	**76 F**	NA	NA	< 100 U	NA
Cadmium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	ug/L	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 1 U	< 1 U	< 0.6 U	< 0.6 U	< 0.6 U	< 0.6 U	< 0.6 U	< 0.6 U	< 0.6 U
Calcium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	**122860 M**	**107406 M**	**119400 M**	**120000 M**	**120000 M**	**110000**	**118000**	**119000**	**101000**	**98600 M**	**131000**	**97000**	**120000 M**	**89900 M**	**151000 M**	**106000 B**	**122000**	**97200 M**	**86100 M**	**76800 M**
Chromium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	ug/L	NA	NA	**117**	NA	NA	**50 J**	NA	NA	**8.4 F**	NA	**4.49 F**	NA	**13**	NA	**44.4 M**	**33.3 M**	**18.8**	NA	**37.9 M**	**82.5 M**
Chromium VI	D	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.005 U	NA	< 0.01 U	NA	< 0.01 U	NA
Chromium VI	T	mg/L	NA	NA	< 0.5 U	NA	NA	**0.005 F**	NA	NA	< 0.01 U	NA	< 0.01 U	NA	**0.0009 F**	NA	NA	NA	NA	NA	NA	NA
Cobalt	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	NA	NA	< 60 U	NA	NA	< 60 U	NA	NA	< 60 U	NA	< 60 U	NA	**1.4**	NA	**1.19 M**	**1.05**	**0.574 F**	NA	**1.14 J**	NA
Copper	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	NA	NA	**4 F**	NA	NA	< 10 U	NA	NA	< 10 U	NA	< 10 U	NA	**11**	NA	**15.8**	**31 J**	< 5 U	NA	**22.8**	NA
Iron	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	**16667**	**15473 J**	**33961**	**23000 M**	**19000 M**	**15800 J**	**17200**	**18700**	**11600**	**10200 M**	**12800**	**11000 M**	**15000**	**9100 M**	**13800 M**	**15100 M**	**10000**	**12900 M**	**10600 M**	**14700**
Lead	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	ug/L	< 25 U	< 25 U	**2.9 F**	**1.8 F**	**1.6 F**	**0.97 F**	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	**0.35 F**	**2 F**	**0.785 F**	**3.72**	**1.18**	< 1 U	**1.66**	**0.0587 F**	**1.48**
Magnesium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	**18591**	**15627**	**20240**	**22000**	**21000**	**20600**	**26100**	**26200**	**19900**	**19200**	**26200**	**21000**	**24000**	**16200 M**	**27500**	**21400 B**	**23600**	**14700 M**	**15400**	**10700 M**
Manganese	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	**1205**	**991**	**992**	**910**	**880**	**845 J**	**860**	**867**	**652**	**789 M**	**1070**	**1500 M**	**1800**	**1380 M**	**2330 M**	**1670**	**1460**	**1530 M**	**1090 J**	**721**
Mercury	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	NA	NA	**0.02 F**	NA	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 0.2 U	NA	< 0.2 U	< 0.2 U	< 0.2 U	NA	< 0.2 U	NA
Nickel	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	NA	NA	**61**	NA	NA	**24.9 J**	NA	NA	**6.41 F**	NA	< 20 U	NA	**11**	NA	**24.3 M**	**18.8 M**	**11.4**	NA	**24.8 M**	NA
Potassium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	**2295**	**3042 J**	**3730**	**3300**	**3200**	**3070 J**	**2250**	**2270**	**1480 J**	**1590 J**	**1760**	**2500**	**2700**	**1750 M**	**2790**	**2620 B**	**1580**	**1400**	**3710**	**2290 M**
Selenium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	NA	NA	< 30 U	NA	NA	< 30 U	NA	NA	< 30 U	NA	< 30 U	NA	< 5 U	NA	< 1 U	< 1 U	NA	NA	**0.6 F**	NA
Silver	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	NA	NA	< 10 U	NA	NA	< 10 U	NA	NA	< 10 U	NA	< 10 U	NA	< 1 UM	NA	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
Sodium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	**103162 M**	**137728 M**	**118900**	**140000 M**	**140000 M**	**218000**	**209000**	**208000**	**146000**	**162000 M**	**167000**	**130000 M**	**150000**	**135000 M**	**227000 M**	NA	NA	**178000 M**	**179000**	**171000**
Thallium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	NA	NA	< 80 U	NA	NA	< 80 U	NA	NA	< 80 U	NA	< 80 U	NA	< 1 U	NA	< 0.2 UM	< 0.2 U	< 0.2 U	NA	< 0.2 U	NA
Vanadium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	NA	NA	**5 F**	NA	NA	< 10 U	NA	NA	< 10 U	NA	< 10 U	NA	**2.8 F**	NA	**2.46 M**	**1.61**	**1.04**	NA	< 1 UM	NA
Zinc	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	NA	NA	**15 F**	NA	NA	**202**	NA	NA	**26.5**	NA	**29.7 J**	NA	**22 M**	NA	**16.1 F**	**33.9 B**	**6.33 F**	NA	**9.44 F**	NA
Total Recoverable Phenolics	N	mg/L	NA	NA	< 0.005 U	NA	NA	< 0.005 U	NA	NA	< 0.005 U	NA	**0.0011 F**	NA	< 0.05 UM	NA	**0.0046 F**	NA	< 0.005 U	NA	**0.0051**	NA
VOCs																						
1,1,1-Trichloroethane	N	ug/L	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA
1,1,2,2-Tetrachloroethane	N	ug/L	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA
1,1,2-trichloro-1,2,2-trifluoroethane	N	ug/L	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA
1,1,2-Trichloroethane	N	ug/L	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA
1,1-Dichloroethane	N	ug/L	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA
1,1-Dichloroethene	N	ug/L	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA
1,2,3-Trichloropropane	N	ug/L	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA
1,2,3-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	N	ug/L	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	NA	**0.38 F**	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA
1,2,4-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	N	ug/L	NA	NA	< 1 U	NA	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	NA	< 2 U	NA	< 2 U	NA	< 2 U	NA	< 2 U	NA
1,2-Dibromoethane	N	ug/L	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA
1,2-Dichlorobenzene	N	ug/L	NA	NA	**0.18 F**	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA
1,2-Dichloroethane	N	ug/L	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA
1,2-Dichloroethene, Total	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	N	ug/L	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA
1,3,5-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	N	ug/L	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA
1,3-Dichloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	N	ug/L	NA	NA	**1.7**	NA	NA	**0.99**	NA	NA	**2.17**	NA	**0.54**	NA	**0.305 F**	NA	**0.225 F**	NA	**0.312 F**	NA	**0.969 F**	NA
1,4-Dioxane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	N	ug/L	NA	NA	< 5 U	NA	NA	< 5 U	NA	NA	< 5 U	NA	< 5 U	NA	< 10 U	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA

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Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011	MW-23-011
		Sample Date	9/23/2004	12/16/2004	3/29/2005	6/28/2005	6/28/2005	12/14/2005	6/28/2006	6/28/2006	1/4/2007	7/11/2007	12/6/2007	6/25/2009	12/8/2009	6/23/2010	12/7/2010	6/22/2011	12/12/2011	6/22/2012	6/20/2013	6/19/2014
		Sample Type	N	N	N	N	FD	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**																				
2-Chloroethyl vinyl ether	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	N	ug/L	NA	NA	< 5 U	NA	NA	< 5 U	NA	NA	< 5 U	NA	< 5 U	NA	< 10 U	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA
Acetone	N	ug/L	NA	NA	< 5 U	NA	NA	< 5 U	NA	NA	< 5 U	NA	< 5 U	NA	< 20 U	NA	< 5 U	NA	**4.02 F**	NA	< 5 U	NA
Acrylonitrile	N	ug/L	NA	NA	< 4 U	NA	NA	< 4 U	NA	NA	< 4 U	NA	< 4 U	NA	< 1 U	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA
Benzene	N	ug/L	NA	NA	**0.71 J**	NA	NA	**0.14 F**	NA	NA	**0.22 F**	NA	**0.17 F**	NA	**0.164 F**	NA	**0.217 F**	NA	**0.999 F**	NA	< 1 U	NA
Bromochloromethane	N	ug/L	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA
Bromodichloromethane	N	ug/L	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA
Bromoform	N	ug/L	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA
Bromomethane	N	ug/L	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA
Carbon Disulfide	N	ug/L	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA
Carbon Tetrachloride	N	ug/L	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA
CFC-11	N	ug/L	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA
CFC-12	N	ug/L	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	**0.11 F**	NA	< 1 U	NA	< 1 U	NA	**1.46**	NA	< 1 U	NA
Chlorobenzene	N	ug/L	NA	NA	**1.26 J**	NA	NA	**0.33 F**	NA	NA	**0.3 F**	NA	**0.13 F**	NA	< 1 U	NA	**0.14 F**	NA	**0.412 F**	NA	< 1 U	NA
Chlorodibromomethane	N	ug/L	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA
Chloroethane	N	ug/L	NA	NA	< 0.5 U	NA	NA	< 0.5 UM	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA
Chloroform	N	ug/L	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA
Chloromethane	N	ug/L	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA
cis-1,2-Dichloroethene	N	ug/L	NA	NA	**0.15 F**	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA
cis-1,3-Dichloropropene	N	ug/L	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA
Cyclohexane	N	ug/L	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	NA	**16.3**	NA	**0.6**	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA
Dibromomethane	N	ug/L	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA
Dichloromethane	N	ug/L	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA
Ethylbenzene	N	ug/L	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	NA	**0.27 F**	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA
Isopropylbenzene	N	ug/L	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	NA	**22.5**	NA	**2.39**	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA
m&p-Xylenes	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	N	ug/L	NA	NA	< 5 U	NA	NA	< 5 U	NA	NA	R	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA
Methyl N-Butyl Ketone (2-Hexanone)	N	ug/L	NA	NA	< 5 U	NA	NA	< 5 U	NA	NA	< 5 U	NA	< 5 U	NA	< 5 UJ	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA
Methylcyclohexane	N	ug/L	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	NA	**8.67**	NA	**0.51**	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA
Methyl-tert-butylether	N	ug/L	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA
n-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenolics	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	N	ug/L	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA
tert-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	N	ug/L	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	NA	**0.16 F**	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA
Toluene	N	ug/L	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	NA	**0.57**	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	**10.6**	NA	< 1 U	NA
Total Xylenes	N	ug/L	NA	NA	< 1.5 U	NA	NA	< 1.5 U	NA	NA	**1.53**	NA	**0.12 F**	NA	< 3 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA
trans-1,2-Dichloroethene	N	ug/L	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA
trans-1,3-Dichloropropene	N	ug/L	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA
trans-1,4-Dichloro-2-butene	N	ug/L	NA	NA	< 2 U	NA	NA	< 2 U	NA	NA	< 2 U	NA	< 2 U	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA
Trichloroethene	N	ug/L	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA
Vinyl acetate	N	ug/L	NA	NA	< 2 U	NA	NA	< 2 U	NA	NA	R	NA	< 2 U	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA
Vinyl chloride	N	ug/L	NA	NA	**0.25 F**	NA	NA	**0.26 F**	NA	NA	< 0.5 U	NA	**0.21 F**	NA	< 1 U	NA	< 1 U	NA	**0.352 F**	NA	< 1 U	NA
Leachate Indicators																						
Ammonia Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromide	N	mg/L	NA	NA	< 0 U	NA	NA	< 0 UM	NA	NA	< 0 UM	NA	**0.094 F**	NA	< 0 U	NA	< 0 U	NA	< 0 U	NA	< 0.6 U	NA
Chloride	N	mg/L	NA	NA	**192 M**	NA	NA	**360 M**	NA	NA	**200 M**	NA	**310 M**	NA	**260**	NA	**402 M**	NA	NA	NA	**284 J**	NA
Fluoride (F-, Anion)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	N	mg/L	NA	NA	**27.01**	NA	NA	**30**	NA	NA	**20 M**	NA	**23**	NA	**35 M**	NA	**34.3**	NA	**18.5**	NA	**26.4**	NA
Total Kjeldahl Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorus as PO4	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity	N	mg/L	NA	NA	**306**	NA	NA	**310**	NA	NA	**380**	NA	**370**	NA	NA	NA	**298 M**	NA	**383**	NA	**270**	NA
Alkalinity (as CaCO3)	N	mg/L	NA	NA	**188**	NA	NA	**400 B**	NA	NA	**360**	NA	**440**	NA	**386**	NA	**408 M**	NA	**420**	NA	**278**	NA
Alkalinity, Bicarbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Carbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Hydroxide	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Biological Oxygen Demand	N	mg/L	NA	NA	**11.1**	NA	NA	< 0 U	NA	NA	< 0 U	NA	< 0 U	NA	**11**	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	NA	NA	NA	NA	NA	**4.15 J**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CBOD	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**5.71 M**	NA	**3.86**	NA	< 0 U	NA
Chemical Oxygen Demand	N	mg/L	NA	NA	**19.7 J**	NA	NA	**11**	NA	NA	**22**	NA	**6.3 J**	NA	**22 J**	NA	**80.1 M**	NA	**18.9 F**	NA	< 0 U	NA
Color	N	COLOR UNIT	NA	NA	35 J	NA	NA	15	NA	NA	35	NA	50	NA	25	NA	10	NA	< 0 U	NA	< 0 U	NA
Color	N	PCU	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	N	ug/L	NA	NA	< 0 U	NA	NA	**5 F**	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA
Hardness (as CaCO3)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	N	PH UNITS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.64	NA	NA	NA
Total Dissolved Solids	N	mg/L	NA	NA	**688**	NA	NA	**930**	NA	NA	**740**	NA	**850**	NA	NA	NA	**898**	NA	**940**	NA	**722**	NA
Total Dissolved Solids	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	NA	NA	**2.3**	NA	NA	NA	NA	NA	**4.1**	NA	**2.2**	NA	**2.8 M**	NA	**16 M**	NA	**7.53**	NA	**4.18 B**	NA
Total Organic Carbon 2	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-011	MW-23-011	MW-23-011	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012
		Sample Date	7/8/2015	8/24/2017	7/31/2018	1/13/1989	9/18/1991	4/26/2001	6/26/2001	9/27/2001	12/13/2001	3/18/2002	6/20/2002	9/19/2002	12/17/2002	3/19/2003	3/19/2003	6/23/2003	6/23/2003	9/24/2003	1/14/2004	3/24/2004
		Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	FD	N	N	N
Chemical	**Fraction**	**Unit**																				
Metals																						
Aluminum	D	ug/L	NA	NA	NA	**662**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	NA	NA	< 70	NA	NA	**597 J**	NA	NA	NA	NA	**488**	**764**	**55.5 F**	NA	NA	NA	NA	**197 M**	NA	NA
Antimony	D	ug/L	NA	NA	NA	< 43	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	NA	NA	< 1.0	NA	NA	< 4.1 U	NA	NA	NA	NA	**7.3 F**	< 50 U	**5.1 F**	NA	NA	NA	NA	< 50 U	NA	NA
Arsenic	D	ug/L	NA	NA	NA	**2.6**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	ug/L	NA	NA	**2.7**	NA	NA	< 4.4 U	NA	NA	NA	NA	< 30 U	< 30 U	< 30 U	NA	NA	NA	NA	**7.1 F**	NA	NA
Barium	D	ug/L	NA	NA	NA	**16**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	ug/L	NA	NA	**28**	NA	NA	**13.7 B**	NA	NA	NA	NA	**13.9**	**17.6 J**	**10 F**	NA	NA	NA	NA	**11.4 F**	NA	NA
Beryllium	D	ug/L	NA	NA	NA	< 1.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	NA	NA	< 0.30	NA	NA	**0.16 B**	NA	NA	NA	NA	< 5 U	< 5 U	< 4 U	NA	NA	NA	NA	< 4 U	NA	NA
Boron	T	ug/L	NA	NA	< 15	NA	NA	< 32.4 U	NA	NA	NA	NA	**18.6 F**	< 110 U	< 110 U	NA	NA	NA	NA	**25.3 F**	NA	NA
Cadmium	D	ug/L	NA	NA	NA	< 4.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	ug/L	< 0.6 U	< 1.0	< 1.0	NA	NA	< 0.4 U	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Calcium	D	ug/L	NA	NA	NA	**27700**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	**88100 M**	**71000**	**100000**	NA	NA	**36800**	**39835 M**	**40884 M**	**34366 J**	**31090 MJ**	**29503 M**	**32909 M**	**32288**	**29079 M**	**28829 M**	**32772 M**	**34150 M**	**31690**	**62943**	**29180**
Chromium	D	ug/L	NA	NA	NA	< 5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	ug/L	< 2 U	**11**	< 1.8	NA	NA	**14.1**	NA	NA	NA	NA	**96.7 J**	**301 J**	**3.1 F**	NA	NA	NA	NA	**89.7**	NA	NA
Chromium VI	D	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium VI	T	mg/L	NA	NA	< 0.010	NA	NA	< 0.01 UJ	NA	NA	NA	NA	R	NA	NA	NA	NA	NA	NA	**0.012 M**	NA	NA
Cobalt	D	ug/L	NA	NA	NA	< 2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	NA	NA	**0.13**	NA	NA	< 0.6 U	NA	NA	NA	NA	< 6 U	**3.56 F**	< 60 U	NA	NA	NA	NA	**0.7 F**	NA	NA
Copper	D	ug/L	NA	NA	NA	**3.1**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	NA	NA	< 1.8	NA	NA	**4.4 B**	NA	NA	NA	NA	**2.1 F**	< 10 U	< 10 U	NA	NA	NA	NA	< 10 U	NA	NA
Iron	D	ug/L	NA	NA	NA	**1260**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	**7320**	**11000**	**8200**	NA	NA	**1240**	**3798**	**1950**	**1044 J**	**1074**	**1524 M**	**2965 J**	**466**	**974 J**	**1419 J**	**2264**	**2078**	**1093**	**44447**	**1730**
Lead	D	ug/L	NA	NA	NA	< 0.91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	ug/L	< 1 U	**0.94**	< 0.70	NA	NA	< 2.1 U	< 25 U	< 25 U	**4.5 F**	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	**17.3 F**	< 25 U
Magnesium	D	ug/L	NA	NA	NA	**9070**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	**11500**	**13000**	**16000**	NA	NA	**12300**	**13122**	**13203**	**10456**	**10723**	**10093 M**	**11925**	**10923**	**9884 M**	**9734 M**	**11251 M**	**12110 M**	**10764**	**30808**	**10067 M**
Manganese	D	ug/L	NA	NA	NA	**152**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	**807**	**590**	**1100**	NA	NA	**185**	**237**	**201**	**167 B**	**170**	**169**	**212**	**154**	**187**	**203**	**211**	**194**	**168**	**1064**	**168**
Mercury	D	ug/L	NA	NA	NA	< 0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	NA	NA	< 0.080	NA	NA	< 0.1 U	NA	NA	NA	NA	< 1 UM	NA	NA	NA	NA	NA	NA	< 1 U	NA	NA
Nickel	D	ug/L	NA	NA	NA	**152**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	NA	NA	< 1.0	NA	NA	**6.5 B**	NA	NA	NA	NA	**53.9**	**180 J**	< 20 U	NA	NA	NA	NA	**42.9**	NA	NA
Potassium	D	ug/L	NA	NA	NA	**2380**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	**1810**	**1400**	**1700**	NA	NA	**1520 J**	**2295 J**	**1845 J**	**1512**	**1615**	**1486**	**1386**	**979 F**	**1013**	**971 F**	**1469**	**1544**	**1475**	**9815**	**1660**
Selenium	D	ug/L	NA	NA	NA	**2.1**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	NA	NA	< 2.0	NA	NA	< 9.9 U	NA	NA	NA	NA	< 30 U	< 30 U	< 30 U	NA	NA	NA	NA	**10.8 F**	NA	NA
Silver	D	ug/L	NA	NA	NA	**8000**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	NA	NA	< 0.10	NA	NA	< 0.9 U	NA	NA	NA	NA	< 10 U	< 10 U	< 10 U	NA	NA	NA	NA	< 10 U	NA	NA
Sodium	D	ug/L	NA	NA	NA	< 2.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	**137000**	**190000**	**240000**	NA	NA	**7160**	**7353**	**8212**	**6641**	**6306 M**	**6788 M**	**8018 M**	**6334**	**6131 M**	**5933 M**	**6598 M**	**6737 M**	**7617**	**9215**	**6421 M**
Thallium	D	ug/L	NA	NA	NA	< 2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	NA	NA	< 0.20	NA	NA	< 4.3 U	NA	NA	NA	NA	**4.4 F**	**4.1 F**	**4.2 F**	NA	NA	NA	NA	< 80 U	NA	NA
Vanadium	D	ug/L	NA	NA	NA	**200**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	NA	NA	< 2.0	NA	NA	**1.3 B**	NA	NA	NA	NA	< 10 U	< 10 U	< 10 U	NA	NA	NA	NA	< 10 U	NA	NA
Zinc	D	ug/L	NA	NA	NA	< 20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	NA	NA	< 8.0	NA	NA	< 3 U	NA	NA	NA	NA	**6.8 F**	**21.8**	**2.5 F**	NA	NA	NA	NA	**2.4 F**	NA	NA
Total Recoverable Phenolics	N	mg/L	NA	NA	NA	NA	NA	< 0.005 UJ	NA	NA	NA	NA	< 0.005 UM	NA	NA	NA	NA	NA	NA	**0.0024 J**	NA	NA
VOCs																						
1,1,1-Trichloroethane	N	ug/L	NA	NA	< 0.40	< 5 [< 0.3]	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA
1,1,2,2-Tetrachloroethane	N	ug/L	NA	NA	< 0.80	< 5 [< 0.3]	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA
1,1,2-trichloro-1,2,2-trifluoroethane	N	ug/L	NA	NA	< 1.6	< 1	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA
1,1,2-Trichloroethane	N	ug/L	NA	NA	< 0.80	< 5 [< 0.2]	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA
1,1-Dichloroethane	N	ug/L	NA	NA	< 0.80	< 5 [< 0.4]	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA
1,1-Dichloroethene	N	ug/L	NA	NA	< 0.80	< 5 [< 0.3]	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA
1,2,3-Trichloropropane	N	ug/L	NA	NA	< 0.80	NA	NA	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA
1,2,3-Trimethylbenzene	N	ug/L	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	N	ug/L	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA
1,2,4-Trimethylbenzene	N	ug/L	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	N	ug/L	NA	NA	< 1.6	NA	NA	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	NA	NA	< 1 U	NA	NA
1,2-Dibromoethane	N	ug/L	NA	NA	< 0.40	NA	NA	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA
1,2-Dichlorobenzene	N	ug/L	NA	NA	< 0.40	< 1	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA
1,2-Dichloroethane	N	ug/L	NA	NA	< 0.40	< 5 [< 0.3]	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA
1,2-Dichloroethene, Total	N	ug/L	NA	NA	NA	< 5 [< 0.5]	< 1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	N	ug/L	NA	NA	< 0.40	< 5 [< 0.2]	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA
1,3,5-Trimethylbenzene	N	ug/L	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	N	ug/L	NA	NA	< 0.40	< 1	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA
1,3-Dichloropropane	N	ug/L	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	N	ug/L	NA	NA	**0.26**	< 1	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA
1,4-Dioxane	N	ug/L	NA	NA	< 160	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	N	ug/L	NA	NA	< 4.0	**48**	< 2	NA	NA	NA	NA	NA	< 5 UM	NA	NA	NA	NA	NA	NA	< 5 U	NA	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-011	MW-23-011	MW-23-011	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012
		Sample Date	7/8/2015	8/24/2017	7/31/2018	1/13/1989	9/18/1991	4/26/2001	6/26/2001	9/27/2001	12/13/2001	3/18/2002	6/20/2002	9/19/2002	12/17/2002	3/19/2003	3/19/2003	6/23/2003	6/23/2003	9/24/2003	1/14/2004	3/24/2004
		Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	FD	N	N	N
Chemical	**Fraction**	**Unit**																				
2-Chloroethyl vinyl ether	N	ug/L	NA	NA	NA	< 0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	N	ug/L	NA	NA	< 3.2	< 10	< 2	< 2 U	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	NA	NA	< 5 U	NA	NA
Acetone	N	ug/L	NA	NA	**6.9**	< 10	< 2	NA	NA	NA	NA	NA	< 10 UM	NA	NA	NA	NA	NA	NA	< 5 U	NA	NA
Acrylonitrile	N	ug/L	NA	NA	< 4.0	NA	NA	NA	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	NA	NA	< 5 U	NA	NA
Benzene	N	ug/L	NA	NA	**0.29**	< 5	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA
Bromochloromethane	N	ug/L	NA	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA
Bromodichloromethane	N	ug/L	NA	NA	< 0.40	< 5 [< 0.4]	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA
Bromoform	N	ug/L	NA	NA	< 0.40	< 5 [< 0.5]	< 1	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA
Bromomethane	N	ug/L	NA	NA	< 0.80	< 10 [< 0.5]	< 2	< 2 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA
Carbon Disulfide	N	ug/L	NA	NA	< 1.6	< 5	< 1	< 1 U	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA
Carbon Tetrachloride	N	ug/L	NA	NA	< 0.40	< 5 [< 0.3]	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA
CFC-11	N	ug/L	NA	NA	< 0.80	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA
CFC-12	N	ug/L	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA
Chlorobenzene	N	ug/L	NA	NA	**2.3**	< 5 [< 0.4]	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA
Chlorodibromomethane	N	ug/L	NA	NA	< 0.40	< 5 [< 0.4]	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA
Chloroethane	N	ug/L	NA	NA	< 1.6	< 10 [< 0.5]	< 2	< 2 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA
Chloroform	N	ug/L	NA	NA	< 0.40	**< 5 [0.4]**	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA
Chloromethane	N	ug/L	NA	NA	< 0.80	< 10 [< 0.5]	< 2	< 2 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA
cis-1,2-Dichloroethene	N	ug/L	NA	NA	< 0.40	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA
cis-1,3-Dichloropropene	N	ug/L	NA	NA	< 0.40	< 5 [< 0.3]	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA
Cyclohexane	N	ug/L	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA
Dibromomethane	N	ug/L	NA	NA	< 0.40	NA	NA	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA
Dichloromethane	N	ug/L	NA	NA	< 0.80	< 5 [< 1]	**1**	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA
Ethylbenzene	N	ug/L	NA	NA	< 0.40	< 5	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA
Isopropylbenzene	N	ug/L	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA
m&p-Xylenes	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	N	ug/L	NA	NA	< 4.0	NA	NA	NA	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	NA	NA	< 5 U	NA	NA
Methyl N-Butyl Ketone (2-Hexanone)	N	ug/L	NA	NA	< 4.0	< 10	< 2	< 2 U	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	NA	NA	< 5 U	NA	NA
Methylcyclohexane	N	ug/L	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA
Methyl-tert-butylether	N	ug/L	NA	NA	< 0.80	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA
n-Butylbenzene	N	ug/L	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	N	ug/L	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenolics	N	mg/L	NA	NA	< 0.010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	N	ug/L	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	N	ug/L	NA	NA	< 0.40	< 5	< 1	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA
tert-Butylbenzene	N	ug/L	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	N	ug/L	NA	NA	< 0.40	< 5 [< 0.2]	< 1	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA
Toluene	N	ug/L	NA	NA	< 0.40	< 5	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA
Total Xylenes	N	ug/L	NA	NA	< 0.80	< 5	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 1.5 U	NA	NA
trans-1,2-Dichloroethene	N	ug/L	NA	NA	< 0.40	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA
trans-1,3-Dichloropropene	N	ug/L	NA	NA	< 0.40	< 5 [< 0.3]	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA
trans-1,4-Dichloro-2-butene	N	ug/L	NA	NA	< 1.6	NA	NA	< 1 U	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA
Trichloroethene	N	ug/L	NA	NA	< 0.40	< 5 [< 0.5]	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA
Vinyl acetate	N	ug/L	NA	NA	< 2.0	< 10	< 2	< 4 U	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	NA	NA	< 5 U	NA	NA
Vinyl chloride	N	ug/L	NA	NA	**0.18**	< 10 [< 0.3]	< 2	< 2 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA
Leachate Indicators																						
Ammonia Nitrogen	N	mg/L	NA	NA	**0.25**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromide	N	mg/L	NA	NA	< 0.20	NA	NA	**0.17**	NA	NA	NA	NA	< 0 U	NA	NA	NA	NA	NA	NA	< 0 U	NA	NA
Chloride	N	mg/L	NA	NA	**370**	NA	NA	**22.9**	NA	NA	NA	NA	**22.8 J**	NA	NA	NA	NA	NA	NA	**15.5 J**	NA	NA
Fluoride (F-, Anion)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	N	mg/L	NA	NA	**0.23**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	N	mg/L	NA	NA	**33**	NA	NA	**6.78**	NA	NA	NA	NA	**5.42**	NA	NA	NA	NA	NA	NA	**2.26**	NA	NA
Total Kjeldahl Nitrogen	N	mg/L	NA	NA	**0.43**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorus as PO4	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity	N	mg/L	NA	NA	**230**	NA	NA	**100**	NA	NA	NA	NA	**101 S**	NA	NA	NA	NA	NA	NA	**100 B**	NA	NA
Alkalinity (as CaCO3)	N	mg/L	NA	NA	NA	NA	NA	**133**	NA	NA	NA	NA	**124 B**	NA	NA	NA	NA	NA	NA	**326 B**	NA	NA
Alkalinity, Bicarbonate	N	mg/L	NA	NA	**230**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Carbonate	N	mg/L	NA	NA	< 5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Hydroxide	N	mg/L	NA	NA	< 5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Biological Oxygen Demand	N	mg/L	NA	NA	< 0.59	NA	NA	**2.6**	NA	NA	NA	NA	R	NA	NA	NA	NA	NA	NA	**2.62 B**	NA	NA
Carbon	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CBOD	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chemical Oxygen Demand	N	mg/L	NA	NA	< 20	NA	NA	< 0 U	NA	NA	NA	NA	**15 B**	NA	NA	NA	NA	NA	NA	< 0 U	NA	NA
Color	N	COLOR UNIT	NA	NA	NA	NA	NA	< 0 U	NA	NA	NA	NA	20 B	NA	NA	NA	NA	NA	NA	15	NA	NA
Color	N	PCU	NA	NA	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	N	ug/L	NA	NA	< 5	NA	NA	< 0 U	NA	NA	NA	NA	< 0 U	NA	NA	NA	NA	NA	NA	< 0 U	NA	NA
Hardness (as CaCO3)	N	mg/L	NA	NA	**300**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	N	PH UNITS	NA	NA	NA	6 [6 [6]	7.5 [7.5 [7.6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids	N	mg/L	NA	NA	**890**	NA	NA	**150**	NA	NA	NA	NA	**162 SB**	NA	NA	NA	NA	NA	NA	**141 S**	NA	NA
Total Dissolved Solids	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	NA	NA	NA	NA	NA	**2.2 J**	NA	NA	NA	NA	**0.99 SF**	NA	NA	NA	NA	NA	NA	**2.67 J**	NA	NA
Total Organic Carbon 2	N	mg/L	NA	NA	**1.1**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012
		Sample Date	6/29/2004	9/23/2004	12/16/2004	3/29/2005	6/28/2005	12/14/2005	6/28/2006	1/4/2007	7/11/2007	12/6/2007	6/25/2009	12/8/2009	6/22/2010	12/7/2010	6/22/2011	12/12/2011	6/22/2012	6/20/2013	6/19/2014	7/8/2015
		Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**																				
Metals																						
Aluminum	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	NA	NA	NA	**120 F**	NA	**142 F**	NA	**935 M**	NA	**1970**	NA	**230 J**	NA	**2100**	**190**	**51.7 F**	NA	< 200 U	NA	NA
Antimony	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	NA	NA	NA	< 50 U	NA	< 50 U	NA	< 50 U	NA	< 50 U	NA	**0.88 F**	NA	**3.07**	< 1 U	< 1 U	NA	< 1 U	NA	NA
Arsenic	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	ug/L	NA	NA	NA	**4 F**	NA	< 30 U	NA	< 30 U	NA	< 30 U	NA	**1.2 F**	NA	**78.5 M**	**1.95 J**	**2.11**	NA	**2.3 J**	NA	NA
Barium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	ug/L	NA	NA	NA	**10.3 F**	NA	**12.7 F**	NA	**18.2 F**	NA	**28.2 F**	NA	**17**	NA	**26.9**	**19.2 B**	**12.3**	NA	**15.8**	NA	NA
Beryllium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	NA	NA	NA	< 4 U	NA	< 4 U	NA	< 4 U	NA	**0.16 F**	NA	< 1 U	NA	< 2 U	< 2 U	< 2 U	NA	< 2 U	NA	NA
Boron	T	ug/L	NA	NA	NA	**15 F**	NA	NA	NA	**10 F**	NA	**14.6 F**	NA	**9.9 F**	NA	< 100 U	< 100 U	NA	NA	< 100 U	NA	NA
Cadmium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	ug/L	< 5 U	< 5 U	< 5 U	**1.1 F**	< 5 U	< 5 U	**0.35 F**	< 5 U	< 5 U	< 5 U	**0.064 F**	**0.3 F**	< 0.6 U	< 0.6 U	< 0.6 U	< 0.6 U	< 0.6 U	< 0.6 U	**0.326 F**	< 0.6 U
Calcium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	**29807 M**	**25934 M**	**31583 M**	**33890 M**	**36000 M**	**36300**	**41700**	**40400**	**41000 M**	**49500**	**40000**	**50000 M**	**44800 M**	**39700 M**	**49300 B**	**44400**	**42500 M**	**42000 M**	**54600 M**	**72800 M**
Chromium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	ug/L	NA	NA	NA	**154**	NA	**241 J**	NA	**156**	NA	**23.2**	NA	**20**	NA	**31.8 M**	**190 M**	**246**	NA	**147 M**	**204 M**	**34.9**
Chromium VI	D	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.005 U	NA	< 0.01 U	NA	**0.0109**	NA	NA
Chromium VI	T	mg/L	NA	NA	NA	< 0.5 U	NA	< 0.01 U	NA	< 0.01 U	NA	< 0.01 U	NA	< 0.005 U	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	NA	NA	NA	< 60 U	NA	**2.28 F**	NA	< 60 U	NA	< 60 U	NA	**0.45 F**	NA	**1.73 M**	**2.36**	**2.76**	NA	**1.55 J**	NA	NA
Copper	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	NA	NA	NA	**4 F**	NA	**3.69 F**	NA	**3.89 F**	NA	< 10 U	NA	**1.4**	NA	**2.93 F**	**5 J**	< 5 U	NA	**6.25**	NA	NA
Iron	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	**3189**	**944**	**704 J**	**991**	**970 M**	**1440 J**	**2240**	**2000**	**4930 M**	**2450**	**490 M**	**940**	**2450 M**	**2830 M**	**1750 M**	**1890**	**754 M**	**1280 M**	**2400**	**2740**
Lead	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	ug/L	< 25 U	< 25 U	< 25 U	**0.9 F**	**1.2 F**	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 2 U	**0.4 F**	**2.79**	**3.31**	**0.808 F**	< 1 U	< 1 U	**0.615 F**	**0.786 F**	**1.48**
Magnesium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	**10036**	**9247**	**10356**	**10830**	**12000**	**11800**	**14400**	**14200**	**13500**	**17500**	**14000**	**17000**	**14000 M**	**13000**	**16600 B**	**15000**	**14600 M**	**14700**	**18200 M**	**25100**
Manganese	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	**189**	**149**	**153**	**181**	**110**	**183 J**	**222**	**216**	**326 M**	**256**	**210 M**	**230**	**247 M**	**211 M**	**187 B**	**202**	**77.1 M**	**173 J**	**305**	**351**
Mercury	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	NA	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 0.2 U	NA	< 0.2 U	< 0.2 U	< 0.2 U	NA	< 0.2 U	NA	NA
Nickel	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	NA	NA	NA	**78**	NA	**121 J**	NA	**79.3**	NA	**9.67 F**	NA	**12**	NA	**21.7 M**	**112 M**	**122**	NA	**66.8 M**	NA	NA
Potassium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	**1473**	**1300**	**1471 J**	**1450**	**1400**	**1710 J**	**1710**	**1810 J**	**1820 J**	**2340**	**1500**	**1700**	**2050 M**	**2040**	**2220 B**	**1820**	**1760**	**2150**	**2100 M**	**2280**
Selenium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	NA	NA	NA	< 30 U	NA	< 30 U	NA	< 30 U	NA	< 30 U	NA	< 5 U	NA	< 1 U	< 1 U	NA	NA	< 1 U	NA	NA
Silver	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	NA	NA	NA	**1 F**	NA	**1.03 F**	NA	< 10 U	NA	< 10 U	NA	< 1 UM	NA	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA	NA
Sodium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	**6224 J**	**5279 M**	**6770 M**	**6910**	**6600 M**	**6710**	**7770**	**7900**	**9110 M**	**13000**	**14000 M**	**18000**	**16400 M**	**14900 M**	**18700 B**	**17100**	**19500 M**	**19400**	**30900**	**41500**
Thallium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	NA	NA	NA	< 80 U	NA	< 80 U	NA	< 80 U	NA	< 80 U	NA	< 1 U	NA	< 0.2 UM	< 0.2 U	< 0.2 U	NA	< 0.2 U	NA	NA
Vanadium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	NA	NA	NA	**2 F**	NA	**1.78 F**	NA	**2.69 F**	NA	**3.77 F**	NA	**0.71 F**	NA	**4.46 M**	NA	NA	NA	< 10 UM	NA	NA
Zinc	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	NA	NA	NA	**7 F**	NA	**291**	NA	**28.9**	NA	**27.4 J**	NA	**16 M**	NA	**9.34 F**	**7.83 F**	**11.5 F**	NA	**12.1 F**	NA	NA
Total Recoverable Phenolics	N	mg/L	NA	NA	NA	< 0.005 U	NA	< 0.005 U	NA	< 0.005 U	NA	**0.0017 F**	NA	< 0.05 UM	NA	**0.0227 B**	NA	< 0.005 U	NA	**0.0047 F**	NA	NA
VOCs																						
1,1,1-Trichloroethane	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
1,1,2,2-Tetrachloroethane	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
1,1,2-trichloro-1,2,2-trifluoroethane	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	NA
1,1,2-Trichloroethane	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
1,1-Dichloroethane	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
1,1-Dichloroethene	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
1,2,3-Trichloropropane	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
1,2,3-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
1,2,4-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	N	ug/L	NA	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 2 U	NA	< 2 U	NA	< 2 U	NA	< 2 U	NA	NA
1,2-Dibromoethane	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
1,2-Dichlorobenzene	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
1,2-Dichloroethane	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
1,2-Dichloroethene, Total	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
1,3,5-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
1,3-Dichloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
1,4-Dioxane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	N	ug/L	NA	NA	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 10 U	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012	MW-23-012
		Sample Date	6/29/2004	9/23/2004	12/16/2004	3/29/2005	6/28/2005	12/14/2005	6/28/2006	1/4/2007	7/11/2007	12/6/2007	6/25/2009	12/8/2009	6/22/2010	12/7/2010	6/22/2011	12/12/2011	6/22/2012	6/20/2013	6/19/2014	7/8/2015
		Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**																				
2-Chloroethyl vinyl ether	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	N	ug/L	NA	NA	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 10 U	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	NA
Acetone	N	ug/L	NA	NA	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 20 U	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	NA
Acrylonitrile	N	ug/L	NA	NA	NA	< 4 U	NA	< 4 U	NA	< 4 U	NA	< 4 U	NA	< 1 U	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	NA
Benzene	N	ug/L	NA	NA	NA	R	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
Bromochloromethane	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
Bromodichloromethane	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
Bromoform	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
Bromomethane	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
Carbon Disulfide	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
Carbon Tetrachloride	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
CFC-11	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
CFC-12	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1	NA	< 1 U	NA	NA
Chlorobenzene	N	ug/L	NA	NA	NA	R	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
Chlorodibromomethane	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
Chloroethane	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 UM	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
Chloroform	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
Chloromethane	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
cis-1,2-Dichloroethene	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
cis-1,3-Dichloropropene	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
Cyclohexane	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	NA
Dibromomethane	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
Dichloromethane	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
Ethylbenzene	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
Isopropylbenzene	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
m&p-Xylenes	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	N	ug/L	NA	NA	NA	< 5 U	NA	< 5 U	NA	R	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	NA
Methyl N-Butyl Ketone (2-Hexanone)	N	ug/L	NA	NA	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 5 UJ	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	NA
Methylcyclohexane	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	NA
Methyl-tert-butylether	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
n-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenolics	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
tert-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
Toluene	N	ug/L	NA	NA	NA	< 0.5 U	NA	**0.12 F**	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
Total Xylenes	N	ug/L	NA	NA	NA	< 1.5 U	NA	< 1.5 U	NA	< 1.5 U	NA	< 1.5 U	NA	< 3 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
trans-1,2-Dichloroethene	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
trans-1,3-Dichloropropene	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
trans-1,4-Dichloro-2-butene	N	ug/L	NA	NA	NA	< 2 U	NA	< 2 U	NA	< 2 U	NA	< 2 U	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	NA
Trichloroethene	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
Vinyl acetate	N	ug/L	NA	NA	NA	< 2 U	NA	< 2 U	NA	R	NA	< 2 U	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	NA
Vinyl chloride	N	ug/L	NA	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA
Leachate Indicators																						
Ammonia Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromide	N	mg/L	NA	NA	NA	< 0 U	NA	< 0 UM	NA	< 0 UM	NA	**0.039 F**	NA	< 0 U	NA	< 0 U	NA	< 0 U	NA	< 0.8 U	NA	NA
Chloride	N	mg/L	NA	NA	NA	**32.68 M**	NA	**35 M**	NA	**49 M**	NA	**73 M**	NA	**82**	NA	**90.9 M**	NA	NA	NA	**71.1 J**	NA	NA
Fluoride (F-, Anion)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	N	mg/L	NA	NA	NA	**4.97**	NA	**4.2**	NA	**6.3 M**	NA	**12**	NA	**15 M**	NA	**11.9**	NA	**5.55**	NA	**15.8**	NA	NA
Total Kjeldahl Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorus as PO4	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity	N	mg/L	NA	NA	NA	**104**	NA	**100**	NA	**100**	NA	**110**	NA	NA	NA	**128 M**	NA	**99.5**	NA	**102**	NA	NA
Alkalinity (as CaCO3)	N	mg/L	NA	NA	NA	**128**	NA	**150 B**	NA	**160**	NA	**200**	NA	**237**	NA	**206 M**	NA	**222**	NA	**172**	NA	NA
Alkalinity, Bicarbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Carbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Hydroxide	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Biological Oxygen Demand	N	mg/L	NA	NA	NA	**11.4**	NA	< 0 U	NA	< 0 U	NA	< 0 U	NA	**3.1**	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	NA	NA	NA	NA	NA	**2.09 J**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CBOD	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0 UM	NA	< 0 U	NA	**1.2 F**	NA	NA
Chemical Oxygen Demand	N	mg/L	NA	NA	NA	**8.3 J**	NA	**14**	NA	**7.3 F**	NA	R	NA	**7.9 J**	NA	**22.9 M**	NA	**12.3 F**	NA	< 0 U	NA	NA
Color	N	COLOR UNIT	NA	NA	NA	R	NA	10	NA	10	NA	15	NA	< 0 U	NA	< 0 U	NA	< 0 U	NA	< 0 U	NA	NA
Color	N	PCU	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	N	ug/L	NA	NA	NA	< 0 U	NA	**11**	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	**27**	NA	< 1 U	NA	NA
Hardness (as CaCO3)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	N	PH UNITS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.58	NA	NA	NA	NA
Total Dissolved Solids	N	mg/L	NA	NA	NA	**204**	NA	**220**	NA	**240**	NA	**310**	NA	NA	NA	**316**	NA	**278**	NA	**258**	NA	NA
Total Dissolved Solids	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	NA	NA	NA	**2.4**	NA	NA	NA	**1.1**	NA	**0.98 F**	NA	**1.2 M**	NA	**2.45 M**	NA	**1.84**	NA	**2.23 B**	NA	NA
Total Organic Carbon 2	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-012	MW-23-012	MW-23-012	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013
		Sample Date	8/24/2017	7/31/2018	7/31/2018	1/13/1989	1/13/1989	9/19/1991	4/26/2001	6/21/2001	10/1/2001	12/14/2001	3/18/2002	6/20/2002	9/24/2002	12/18/2002	3/19/2003	6/23/2003	9/24/2003	1/14/2004	3/24/2004	6/29/2004
		Sample Type	N	N	FD	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**																				
Metals																						
Aluminum	D	ug/L	NA	NA	NA	**98**	< 25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	NA	**220**	**52**	NA	NA	NA	**222 J**	NA	NA	NA	NA	**328**	**52.6 F**	< 200 U	NA	NA	**6634 M**	NA	NA	NA
Antimony	D	ug/L	NA	NA	NA	< 43	< 43	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	NA	**0.56**	< 1.0	NA	NA	NA	< 4.1 U	NA	NA	NA	NA	**9.2 F**	**3.1 F**	< 50 U	NA	NA	< 50 U	NA	NA	NA
Arsenic	D	ug/L	NA	NA	NA	**2.4**	**4.7**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	ug/L	NA	**2.5**	**2.3**	NA	NA	NA	< 4.4 U	NA	NA	NA	NA	< 30 U	< 30 U	< 30 U	NA	NA	**9.7 F**	NA	NA	NA
Barium	D	ug/L	NA	NA	NA	**15**	**14**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	ug/L	NA	**18**	**16**	NA	NA	NA	**15.4 B**	NA	NA	NA	NA	**17.2**	**15.5 J**	**14 F**	NA	NA	**63.8**	NA	NA	NA
Beryllium	D	ug/L	NA	NA	NA	**1.4**	< 1.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	NA	< 0.30	< 0.30	NA	NA	NA	< 0.1 U	NA	NA	NA	NA	< 5 U	< 5 U	< 4 U	NA	NA	**0.46 F**	NA	NA	NA
Boron	T	ug/L	NA	< 15	< 15	NA	NA	NA	< 32.4 U	NA	NA	NA	NA	< 110 U	**4.9 F**	< 110 U	NA	NA	**42.9 F**	NA	NA	NA
Cadmium	D	ug/L	NA	NA	NA	< 4.3	< 4.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	ug/L	< 1.0	< 1.0	< 1.0	NA	NA	NA	< 0.4 U	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Calcium	D	ug/L	NA	NA	NA	**29600**	**29700**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	**51000**	**50000**	**50000**	NA	NA	NA	**55100**	**53807 M**	**48571 M**	**46194 J**	**47549 MJ**	**54174 M**	**45038 M**	**50029**	**44148 M**	**50386 M**	**66566**	**50564**	**53418**	**56871 M**
Chromium	D	ug/L	NA	NA	NA	< 5	< 5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	ug/L	**14**	**4.2**	**1.6**	NA	NA	NA	**24.9**	NA	NA	NA	NA	**47.1 J**	**227 J**	**42.9**	NA	NA	**27.8**	NA	NA	NA
Chromium VI	D	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium VI	T	mg/L	NA	< 0.010	< 0.010	NA	NA	NA	< 0.01 U	NA	NA	NA	NA	R	NA	NA	NA	NA	**0.075 M**	NA	NA	NA
Cobalt	D	ug/L	NA	NA	NA	< 2.5	< 2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	NA	**0.16**	< 0.20	NA	NA	NA	< 0.6 U	NA	NA	NA	NA	< 6 U	**1.22 F**	< 60 U	NA	NA	**1.5 F**	NA	NA	NA
Copper	D	ug/L	NA	NA	NA	< 3.1	**13**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	NA	< 1.8	< 1.8	NA	NA	NA	**8.2 B**	NA	NA	NA	NA	< 10 U	< 10 U	< 10 U	NA	NA	**5.2 F**	NA	NA	NA
Iron	D	ug/L	NA	NA	NA	**242**	**164**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	**1800**	**1000**	**760**	NA	NA	NA	**800**	**1487**	**1696**	**855 J**	**764**	**1025 M**	**1862 J**	**706**	**420 J**	**432**	**8313**	**1275**	**1285**	**810**
Lead	D	ug/L	NA	NA	NA	< 0.91	< 0.91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	ug/L	**0.49**	< 0.70	< 0.70	NA	NA	NA	< 2.1 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	**2.8 F**	< 25 U	**5.8 F**	< 25 U	< 25 U	< 25 U
Magnesium	D	ug/L	NA	NA	NA	**9930**	**9760**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	**17000**	**16000**	**16000**	NA	NA	NA	**18500**	**17291**	**15815**	**15942**	**16582**	**18835 M**	**15933**	**17082**	**15032 M**	**17251 M**	**24609**	**17336**	**17790 M**	**19603**
Manganese	D	ug/L	NA	NA	NA	**150**	**149**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	**250**	**210**	**210**	NA	NA	NA	**235**	**240**	**234**	**187 B**	**180**	**228**	**202**	**222**	**106**	**223**	**421**	**233**	**271**	**242**
Mercury	D	ug/L	NA	NA	NA	< 0.2	< 0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	NA	< 0.080	< 0.080	NA	NA	NA	< 0.1 U	NA	NA	NA	NA	< 1 UM	NA	NA	NA	NA	< 1 U	NA	NA	NA
Nickel	D	ug/L	NA	NA	NA	< 24	< 24	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	NA	**1.5**	**0.40**	NA	NA	NA	**12.4 B**	NA	NA	NA	NA	**27.5**	**111 J**	**19 F**	NA	NA	**10.1 F**	NA	NA	NA
Potassium	D	ug/L	NA	NA	NA	< 2360	**2680**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	**2000**	**2200**	**2100**	NA	NA	NA	**1700 J**	**1816 J**	**2176 J**	**1724**	**1682**	**1618**	**1628**	**1325**	**1005**	**1395**	**3674**	**1614**	**1685**	**1505**
Selenium	D	ug/L	NA	NA	NA	**10**	**2.1**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	NA	< 2.0	< 2.0	NA	NA	NA	< 9.9 U	NA	NA	NA	NA	< 30 U	< 30 U	< 30 U	NA	NA	**15.1 F**	NA	NA	NA
Silver	D	ug/L	NA	NA	NA	< 4.3	< 4.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	NA	< 0.10	< 0.10	NA	NA	NA	< 0.9 U	NA	NA	NA	NA	< 10 U	< 10 U	< 10 U	NA	NA	< 10 U	NA	NA	NA
Sodium	D	ug/L	NA	NA	NA	**6780**	**6570**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	**35000**	**36000**	**36000**	NA	NA	NA	**17100**	**19983**	**15807**	**14165**	**14824 M**	**18688 M**	**15262 M**	**16687**	**17791 M**	**15040 M**	**18306**	**19168**	**21076 M**	**22826 J**
Thallium	D	ug/L	NA	NA	NA	< 2	< 2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	NA	< 0.20	< 0.20	NA	NA	NA	< 4.3 U	NA	NA	NA	NA	**8.2 F**	**5.6 F**	**4.1 F**	NA	NA	< 80 U	NA	NA	NA
Vanadium	D	ug/L	NA	NA	NA	< 2.3	< 2.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	NA	< 2.0	< 2.0	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 10 U	< 10 U	< 10 U	NA	NA	**15.7**	NA	NA	NA
Zinc	D	ug/L	NA	NA	NA	**7.4**	**4.7**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	NA	< 8.0	**2.1**	NA	NA	NA	**5.9 B**	NA	NA	NA	NA	**5.8 F**	**10.9**	**6 F**	NA	NA	**17.8 F**	NA	NA	NA
Total Recoverable Phenolics	N	mg/L	NA	NA	NA	NA	NA	NA	< 0.005 UJ	NA	NA	NA	NA	< 0.005 UM	NA	NA	NA	NA	**0.0036 J**	NA	NA	NA
VOCs																						
1,1,1-Trichloroethane	N	ug/L	NA	< 0.40	< 0.40	< 5 [< 0.3]	< 5 [< 0.3]	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
1,1,2,2-Tetrachloroethane	N	ug/L	NA	< 0.80	< 0.80	< 5 [< 0.3]	< 5 [< 0.3]	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
1,1,2-trichloro-1,2,2-trifluoroethane	N	ug/L	NA	< 1.6	< 1.6	< 1	< 1	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
1,1,2-Trichloroethane	N	ug/L	NA	< 0.80	< 0.80	< 5 [< 0.2]	< 5 [< 0.2]	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
1,1-Dichloroethane	N	ug/L	NA	< 0.80	< 0.80	< 5 [< 0.4]	< 5 [< 0.4]	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
1,1-Dichloroethene	N	ug/L	NA	< 0.80	< 0.80	< 5 [< 0.3]	< 5 [< 0.3]	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
1,2,3-Trichloropropane	N	ug/L	NA	< 0.80	< 0.80	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
1,2,3-Trimethylbenzene	N	ug/L	NA	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	N	ug/L	NA	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
1,2,4-Trimethylbenzene	N	ug/L	NA	< 0.40	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	N	ug/L	NA	< 1.6	< 1.6	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA
1,2-Dibromoethane	N	ug/L	NA	< 0.40	< 0.40	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
1,2-Dichlorobenzene	N	ug/L	NA	< 0.40	< 0.40	< 1	< 1	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
1,2-Dichloroethane	N	ug/L	NA	< 0.40	< 0.40	< 5 [< 0.3]	< 5 [< 0.3]	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
1,2-Dichloroethene, Total	N	ug/L	NA	NA	NA	< 5 [< 0.5]	< 5 [< 0.5]	< 1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	N	ug/L	NA	< 0.40	< 0.40	< 5 [< 0.2]	< 5 [< 0.2]	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
1,3,5-Trimethylbenzene	N	ug/L	NA	< 0.40	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	N	ug/L	NA	< 0.40	< 0.40	< 1	< 1	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
1,3-Dichloropropane	N	ug/L	NA	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	N	ug/L	NA	< 0.40	< 0.40	< 1	< 1	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
1,4-Dioxane	N	ug/L	NA	< 160	< 160	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	N	ug/L	NA	< 4.0	< 4.0	**23**	**24**	< 2	NA	NA	NA	NA	NA	< 5 UM	NA	NA	NA	NA	< 5 U	NA	NA	NA

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Fifth Five-Year Review

		Location	MW-23-012	MW-23-012	MW-23-012	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013
		Sample Date	8/24/2017	7/31/2018	7/31/2018	1/13/1989	1/13/1989	9/19/1991	4/26/2001	6/21/2001	10/1/2001	12/14/2001	3/18/2002	6/20/2002	9/24/2002	12/18/2002	3/19/2003	6/23/2003	9/24/2003	1/14/2004	3/24/2004	6/29/2004
		Sample Type	N	N	FD	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**																					
2-Chloroethyl vinyl ether	N	ug/L	NA	NA	NA	< 0.4	< 0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	N	ug/L	NA	< 3.2	< 3.2	< 10	< 10	< 2	< 2 U	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	< 5 U	NA	NA	NA
Acetone	N	ug/L	NA	**10**	**9.1**	< 10	< 10	< 2	NA	NA	NA	NA	NA	< 10 UM	NA	NA	NA	NA	< 5 U	NA	NA	NA
Acrylonitrile	N	ug/L	NA	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	< 5 U	NA	NA	NA
Benzene	N	ug/L	NA	< 0.40	< 0.40	< 5	< 5	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Bromochloromethane	N	ug/L	NA	NA	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Bromodichloromethane	N	ug/L	NA	< 0.40	< 0.40	< 5 [< 0.4]	< 5 [< 0.4]	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Bromoform	N	ug/L	NA	< 0.40	< 0.40	< 5 [< 0.5]	< 5 [< 0.5]	< 1	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Bromomethane	N	ug/L	NA	< 0.80	< 0.80	< 10 [< 0.5]	< 10 [< 0.5]	< 2	< 2 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Carbon Disulfide	N	ug/L	NA	< 1.6	< 1.6	< 5	< 5	< 1	< 1 U	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Carbon Tetrachloride	N	ug/L	NA	< 0.40	< 0.40	< 5 [< 0.3]	< 5 [< 0.3]	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
CFC-11	N	ug/L	NA	< 0.80	< 0.80	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
CFC-12	N	ug/L	NA	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Chlorobenzene	N	ug/L	NA	< 0.40	< 0.40	< 5 [< 0.4]	< 5 [< 0.4]	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Chlorodibromomethane	N	ug/L	NA	< 0.40	< 0.40	< 5 [< 0.4]	< 5 [< 0.4]	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Chloroethane	N	ug/L	NA	< 1.6	< 1.6	< 10 [< 0.5]	< 10 [< 0.5]	< 2	< 2 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Chloroform	N	ug/L	NA	< 0.40	< 0.40	< 5 [< 0.2]	**< 5 [0.5]**	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Chloromethane	N	ug/L	NA	< 0.80	< 0.80	< 10 [< 0.5]	< 10 [< 0.5]	< 2	< 2 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
cis-1,2-Dichloroethene	N	ug/L	NA	< 0.40	< 0.40	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
cis-1,3-Dichloropropene	N	ug/L	NA	< 0.40	< 0.40	< 5 [< 0.3]	< 5 [< 0.3]	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Cyclohexane	N	ug/L	NA	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Dibromomethane	N	ug/L	NA	< 0.40	< 0.40	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Dichloromethane	N	ug/L	NA	< 0.80	< 0.80	< 5 [< 1]	< 5 [< 1]	< 1	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Ethylbenzene	N	ug/L	NA	< 0.40	< 0.40	< 5	< 5	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Isopropylbenzene	N	ug/L	NA	< 0.40	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
m&p-Xylenes	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	N	ug/L	NA	< 4.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	< 5 U	NA	NA	NA
Methyl N-Butyl Ketone (2-Hexanone)	N	ug/L	NA	< 4.0	< 4.0	< 10	< 10	< 2	< 2 U	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	< 5 U	NA	NA	NA
Methylcyclohexane	N	ug/L	NA	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Methyl-tert-butylether	N	ug/L	NA	< 0.80	< 0.80	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
n-Butylbenzene	N	ug/L	NA	< 0.80	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	N	ug/L	NA	< 0.40	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenolics	N	mg/L	NA	< 0.010	< 0.010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	N	ug/L	NA	< 0.40	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	N	ug/L	NA	< 0.40	< 0.40	< 5	< 5	< 1	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
tert-Butylbenzene	N	ug/L	NA	< 0.40	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	N	ug/L	NA	< 0.40	< 0.40	< 5 [< 0.2]	< 5 [< 0.2]	< 1	< 1 U	NA	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Toluene	N	ug/L	NA	< 0.40	< 0.40	< 5	< 5	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Total Xylenes	N	ug/L	NA	< 0.80	< 0.80	< 5	< 5	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 1.5 U	NA	NA	NA
trans-1,2-Dichloroethene	N	ug/L	NA	< 0.40	< 0.40	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
trans-1,3-Dichloropropene	N	ug/L	NA	< 0.40	< 0.40	< 5 [< 0.3]	< 5 [< 0.3]	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
trans-1,4-Dichloro-2-butene	N	ug/L	NA	< 1.6	< 1.6	NA	NA	NA	< 1 U	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Trichloroethene	N	ug/L	NA	< 0.40	< 0.40	< 5 [< 0.5]	< 5 [< 0.5]	< 1	< 1 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Vinyl acetate	N	ug/L	NA	< 2.0	< 2.0	< 10	< 10	< 2	< 4 U	NA	NA	NA	NA	< 5 U	NA	NA	NA	NA	< 5 U	NA	NA	NA
Vinyl chloride	N	ug/L	NA	< 0.20	< 0.20	< 10 [< 0.3]	< 10 [< 0.3]	< 2	< 2 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA	NA	< 0.5 U	NA	NA	NA
Leachate Indicators																							
Ammonia Nitrogen	N	mg/L	NA	**0.80**	**0.81**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromide	N	mg/L	NA	< 0.20	< 0.20	NA	NA	NA	**0.29**	NA	NA	NA	NA	< 0 U	NA	NA	NA	NA	< 0 U	NA	NA	NA
Chloride	N	mg/L	NA	**98**	**99**	NA	NA	NA	**66**	NA	NA	NA	NA	**73.2 J**	NA	NA	NA	NA	**90 J**	NA	NA	NA
Fluoride (F-, Anion)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	N	mg/L	NA	< 0.10	< 0.10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	N	mg/L	NA	**9.0**	**17**	NA	NA	NA	**12.9**	NA	NA	NA	NA	**13**	NA	NA	NA	NA	**15.2**	NA	NA	NA
Total Kjeldahl Nitrogen	N	mg/L	NA	**1.3**	**0.93**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorus as PO4	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity	N	mg/L	NA	**110**	**110**	NA	NA	NA	**120**	NA	NA	NA	NA	**127 S**	NA	NA	NA	NA	**140 B**	NA	NA	NA
Alkalinity (as CaCO3)	N	mg/L	NA	NA	NA	NA	NA	NA	**196**	NA	NA	NA	NA	**213 B**	NA	NA	NA	NA	**447 B**	NA	NA	NA
Alkalinity, Bicarbonate	N	mg/L	NA	**110**	**110**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Carbonate	N	mg/L	NA	< 5.0	< 5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Hydroxide	N	mg/L	NA	< 5.0	< 5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Biological Oxygen Demand	N	mg/L	NA	**1.8**	< 0.59	NA	NA	NA	< 0 UJ	NA	NA	NA	NA	R	NA	NA	NA	NA	**12 B**	NA	NA	NA
Carbon	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CBOD	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chemical Oxygen Demand	N	mg/L	NA	< 10	< 10	NA	NA	NA	< 0 U	NA	NA	NA	NA	**35 B**	NA	NA	NA	NA	< 0 U	NA	NA	NA
Color	N	COLOR UNIT	NA	NA	NA	NA	NA	NA	< 0 U	NA	NA	NA	NA	15 B	NA	NA	NA	NA	10	NA	NA	NA
Color	N	PCU	NA	10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	N	ug/L	NA	< 5	< 5	NA	NA	NA	< 0 U	NA	NA	NA	NA	< 0 U	NA	NA	NA	NA	< 0 U	NA	NA	NA
Hardness (as CaCO3)	N	mg/L	NA	**180**	**180**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	N	PH UNITS	NA	NA	NA	6 [5.5]	NA	6.4 [6.8 [7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids	N	mg/L	NA	**290**	**300**	NA	NA	NA	**260**	NA	NA	NA	NA	**318 SB**	NA	NA	NA	NA	**326 S**	NA	NA	NA
Total Dissolved Solids	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	NA	NA	NA	NA	NA	NA	**3.1 J**	NA	NA	NA	NA	**2.07 S**	NA	NA	NA	NA	**1.17 J**	NA	NA	NA
Total Organic Carbon 2	N	mg/L	NA	< 0.50	< 0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013
		Sample Date	9/23/2004	12/20/2004	3/29/2005	6/28/2005	12/15/2005	6/28/2006	1/4/2007	7/12/2007	12/6/2007	6/25/2009	12/10/2009	6/21/2010	6/21/2010	12/8/2010	6/21/2011	12/13/2011	12/13/2011	6/20/2012	6/18/2013	6/23/2014
		Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N
Chemical	**Fraction**	**Unit**																				
Metals																						
Aluminum	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	NA	NA	**790**	NA	**135 F**	NA	**546 M**	NA	**2770**	NA	**210 J**	NA	NA	**384**	**67.4 F**	**215**	**164**	NA	< 200 U	NA
Antimony	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	NA	NA	< 50 U	NA	< 50 U	NA	< 50 U	NA	< 50 U	NA	**0.43 F**	NA	NA	**1.69**	< 1 U	< 1 U	**0.503 F**	NA	**0.666 F**	NA
Arsenic	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	ug/L	NA	NA	< 30 U	NA	< 30 U	NA	< 30 U	NA	< 30 U	NA	< 5 U	NA	NA	**0.62 M**	< 1 UJ	< 1 U	< 1 U	NA	**1.7 J**	NA
Barium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	ug/L	NA	NA	**20.4 F**	NA	**13.4 F**	NA	**21.4 F**	NA	**37.5 F**	NA	**23**	NA	NA	**20.6**	**22.4 B**	**19.1**	**18.9**	NA	**34.7**	NA
Beryllium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	NA	NA	< 4 U	NA	< 4 U	NA	< 4 U	NA	**0.18 F**	NA	< 1 U	NA	NA	< 2 U	< 2 U	< 2 U	< 2 U	NA	< 2 U	NA
Boron	T	ug/L	NA	NA	**5 F**	NA	NA	NA	**4.44 F**	NA	**10 F**	NA	**7.5 F**	NA	NA	< 100 U	< 100 U	< 100 U	< 100 U	NA	< 100 U	NA
Cadmium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	ug/L	< 5 U	**0.29 F**	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	**0.32 F**	< 1 U	NA	< 0.6 U	< 0.6 U	**0.373 F**	< 0.6 U	< 0.6 U	**0.335 F**	< 0.6 U	< 0.6 U
Calcium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	**43929 M**	**45860 M**	**59300 M**	**48000 M**	**46500**	**62100**	**60900**	**57000 M**	**67600**	**53000**	**71000 M**	**67900 M**	NA	**75300 M**	**71200 B**	**72100**	**71900**	**65900 M**	**58600 M**	**62900 M**
Chromium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	ug/L	NA	NA	**55**	NA	**137**	NA	**63.4**	NA	**17.9**	NA	**12**	NA	NA	**8.15 M**	NA	**49.6**	**45**	NA	**279 M**	**46.9 M**
Chromium VI	D	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.005 U	NA	< 0.01 U	< 0.01 U	NA	**0.103**	NA
Chromium VI	T	mg/L	NA	NA	< 0.5 U	NA	**0.01**	NA	< 0.01 U	NA	< 0.01 U	NA	**0.0007 F**	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	NA	NA	< 60 U	NA	< 60 U	NA	< 60 U	NA	< 60 U	NA	**0.33 F**	NA	NA	< 1 UM	< 1 U	**0.608 F**	**0.562 F**	NA	**3.42 J**	NA
Copper	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	NA	NA	< 10 U	NA	< 10 U	NA	**4.95 F**	NA	**1.98 F**	NA	**0.89 F**	NA	NA	**3.18 F**	< 5 UJ	< 5 U	< 5 U	NA	**5.77**	NA
Iron	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	**644**	**629 J**	**1557**	**2200 M**	**1400**	**1230**	**1540**	**3580 M**	**3380**	**2600 M**	**820**	**723 M**	NA	**1050 M**	**838 M**	**1010**	**880**	**1810 M**	**5070 M**	**1360**
Lead	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	ug/L	< 25 U	< 25 U	**1.2 F**	**0.98 F**	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	**1 F**	**0.33 F**	NA	< 1 U	**1.54**	< 1 U	< 1 U	< 1 U	**0.881 F**	**0.819 F**	< 1 U
Magnesium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	**15850**	**15269**	**20450**	**17000**	**16000**	**21500**	**21200**	**20000**	**23900**	**18000**	**25000**	**22000 M**	NA	**23000**	**23900 B**	**25300**	**24900**	**22100 M**	**19800**	**21500 M**
Manganese	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	**187**	**191 J**	**258**	**230**	**180**	**262**	**268**	**666 M**	**317**	**690 M**	**300**	**214 M**	NA	**297 M**	**193 B**	**291**	**292**	**603 M**	**1450 J**	**378**
Mercury	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 0.2 U	NA	NA	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	NA	< 0.2 U	NA
Nickel	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	NA	NA	**28**	NA	**65.9**	NA	**33.8**	NA	**7.65 F**	NA	**8.8**	NA	NA	**6.24 M**	**21.7 M**	**26.5**	**24.3**	NA	**154 M**	NA
Potassium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	**1364**	**1365 J**	**1700**	**1400**	**1600 J**	**1690**	**1850 J**	**1850 J**	**2740**	**1700**	**1800**	**1790 M**	NA	**1960**	**2070 B**	**2140**	**2050**	**1900**	**1830**	**2150 M**
Selenium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	NA	NA	< 30 U	NA	< 30 U	NA	< 30 U	NA	< 30 U	NA	< 5 U	NA	NA	< 1 U	< 1 U	**0.586 F**	< 1 U	NA	**0.7 F**	NA
Silver	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	NA	NA	< 10 U	NA	< 10 U	NA	< 10 U	NA	< 10 U	NA	< 1 UM	NA	NA	< 1 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	NA
Sodium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	**16262 M**	**14292 M**	**24200**	**18000 M**	**16900 J**	**28100**	**25500**	**27400 M**	**33300**	**29000 M**	**43000**	**42100 M**	NA	**50400 M**	**40900 B**	**62000**	**62200**	**49600 M**	**44800**	**59800**
Thallium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	NA	NA	< 80 U	NA	< 80 U	NA	< 80 U	NA	< 80 U	NA	< 1 U	NA	NA	< 0.2 UM	< 0.2 U	NA	NA	NA	< 0.2 U	NA
Vanadium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	NA	NA	**2 F**	NA	< 10 U	NA	**1.82 F**	NA	**5.57 F**	NA	**0.4 F**	NA	NA	**0.875 M**	NA	NA	NA	NA	< 20 UM	NA
Zinc	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	NA	NA	**8 F**	NA	**17.1 J**	NA	**14.3 F**	NA	**43 J**	NA	**7.1 M**	NA	NA	**11.9 F**	**7.52 F**	< 20 U	< 20 U	NA	**8.22 F**	NA
Total Recoverable Phenolics	N	mg/L	NA	NA	< 0.005 U	NA	< 0.005 U	NA	< 0.005 U	NA	**0.0011 F**	NA	< 0.05 UM	NA	NA	**0.0054 F**	NA	< 0.005 U	< 0.005 U	NA	< 0.005 U	NA
VOCs																						
1,1,1-Trichloroethane	N	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	< 1 U	NA	< 1 U	NA
1,1,2,2-Tetrachloroethane	N	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	< 1 U	NA	< 1 U	NA
1,1,2-trichloro-1,2,2-trifluoroethane	N	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 5 U	NA	< 5 U	< 5 U	NA	< 5 U	NA
1,1,2-Trichloroethane	N	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	< 1 U	NA	< 1 U	NA
1,1-Dichloroethane	N	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	< 1 U	NA	< 1 U	NA
1,1-Dichloroethene	N	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	< 1 U	NA	< 1 U	NA
1,2,3-Trichloropropane	N	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	< 1 U	NA	< 1 U	NA
1,2,3-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	N	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 UJ	NA	NA	< 1 U	NA	< 1 U	< 1 U	NA	< 1 U	NA
1,2,4-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	N	ug/L	NA	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 2 U	NA	NA	< 2 U	NA	< 2 U	< 2 U	NA	< 2 U	NA
1,2-Dibromoethane	N	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	< 1 U	NA	< 1 U	NA
1,2-Dichlorobenzene	N	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	< 1 U	NA	< 1 U	NA
1,2-Dichloroethane	N	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	< 1 U	NA	< 1 U	NA
1,2-Dichloroethene, Total	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	N	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	< 1 U	NA	< 1 U	NA
1,3,5-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	N	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	< 1 U	NA	< 1 U	NA
1,3-Dichloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	N	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	< 1 U	NA	< 1 U	NA
1,4-Dioxane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	N	ug/L	NA	NA	< 5 U	NA	R	NA	< 5 U	NA	< 5 U	NA	< 10 U	NA	NA	< 5 U	NA	< 5 U	< 5 U	NA	< 5 U	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013	MW-23-013
		Sample Date	9/23/2004	12/20/2004	3/29/2005	6/28/2005	12/15/2005	6/28/2006	1/4/2007	7/12/2007	12/6/2007	6/25/2009	12/10/2009	6/21/2010	6/21/2010	12/8/2010	6/21/2011	12/13/2011	12/13/2011	6/20/2012	6/18/2013	6/23/2014
		Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N
Chemical	**Fraction**	**Unit**																				
2-Chloroethyl vinyl ether	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	N	ug/L	NA	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 10 U	NA	NA	< 5 U	NA	< 5 U	< 5 U	NA	< 5 U	NA
Acetone	N	ug/L	NA	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 20 U	NA	NA	< 5 U	NA	< 5 U	< 5 U	NA	< 5 U	NA
Acrylonitrile	N	ug/L	NA	NA	< 4 U	NA	< 4 U	NA	< 4 U	NA	< 4 U	NA	< 1 U	NA	NA	< 5 U	NA	< 5 U	< 5 U	NA	< 5 U	NA
Benzene	N	ug/L	NA	NA	R	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	< 1 U	NA	< 1 U	NA
Bromochloromethane	N	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	< 1 U	NA	< 1 U	NA
Bromodichloromethane	N	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	< 1 U	NA	< 1 U	NA
Bromoform	N	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	< 1 U	NA	< 1 U	NA
Bromomethane	N	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	< 1 U	NA	< 1 U	NA
Carbon Disulfide	N	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 5 U	NA	NA	< 1 U	NA	< 1 U	< 1 U	NA	< 1 U	NA
Carbon Tetrachloride	N	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	< 1 U	NA	< 1 U	NA
CFC-11	N	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	< 1 U	NA	< 1 U	NA
CFC-12	N	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1	< 1	NA	< 1 U	NA
Chlorobenzene	N	ug/L	NA	NA	R	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	< 1 U	NA	< 1 U	NA
Chlorodibromomethane	N	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	< 1 U	NA	< 1 U	NA
Chloroethane	N	ug/L	NA	NA	< 0.5 U	NA	R	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	< 1 U	NA	< 1 U	NA
Chloroform	N	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	< 1 U	NA	< 1 U	NA
Chloromethane	N	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	< 1 U	NA	< 1 U	NA
cis-1,2-Dichloroethene	N	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	< 1 U	NA	< 1 U	NA
cis-1,3-Dichloropropene	N	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	< 1 U	NA	< 1 U	NA
Cyclohexane	N	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 5 U	NA	NA	< 5 U	NA	< 5 U	< 5 U	NA	< 5 U	NA
Dibromomethane	N	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	< 1 U	NA	< 1 U	NA
Dichloromethane	N	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 5 U	NA	NA	< 1 U	NA	< 1 U	< 1 U	NA	< 1 U	NA
Ethylbenzene	N	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	< 1 U	NA	< 1 U	NA
Isopropylbenzene	N	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	< 1 U	NA	< 1 U	NA
m&p-Xylenes	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	N	ug/L	NA	NA	< 5 U	NA	< 5 U	NA	R	NA	< 5 U	NA	< 5 U	NA	NA	< 5 U	NA	< 5 U	< 5 U	NA	< 5 U	NA
Methyl N-Butyl Ketone (2-Hexanone)	N	ug/L	NA	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	< 5 U	NA	NA	< 5 U	NA	< 5 U	< 5 U	NA	< 5 U	NA
Methylcyclohexane	N	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 5 U	NA	NA	< 5 U	NA	< 5 U	< 5 U	NA	< 5 U	NA
Methyl-tert-butylether	N	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	< 1 U	NA	< 1 U	NA
n-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenolics	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	N	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	< 1 U	NA	< 1 U	NA
tert-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	N	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	< 1 U	NA	< 1 U	NA
Toluene	N	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	NA	**0.15 F**	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	< 1 U	NA	< 1 U	NA
Total Xylenes	N	ug/L	NA	NA	< 1.5 U	NA	< 1.5 U	NA	< 1.5 U	NA	< 1.5 U	NA	< 3 U	NA	NA	< 1 U	NA	< 1 U	< 1 U	NA	< 1 U	NA
trans-1,2-Dichloroethene	N	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	< 1 U	NA	< 1 U	NA
trans-1,3-Dichloropropene	N	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	< 1 U	NA	< 1 U	NA
trans-1,4-Dichloro-2-butene	N	ug/L	NA	NA	< 2 U	NA	< 2 U	NA	< 2 U	NA	< 2 U	NA	< 5 U	NA	NA	< 5 UJ	NA	< 5 U	< 5 U	NA	< 5 U	NA
Trichloroethene	N	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	< 1 U	NA	< 1 U	NA
Vinyl acetate	N	ug/L	NA	NA	< 2 U	NA	R	NA	R	NA	< 2 U	NA	< 5 U	NA	NA	< 5 UJ	NA	< 5 U	< 5 U	NA	< 5 U	NA
Vinyl chloride	N	ug/L	NA	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 0.5 U	NA	< 1 U	NA	NA	< 1 U	NA	< 1 U	< 1 U	NA	< 1 U	NA
Leachate Indicators																						
Ammonia Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromide	N	mg/L	NA	NA	< 0 U	NA	< 0 M	NA	< 0 UM	NA	< 0 U	NA	< 0 U	NA	NA	< 0 U	NA	< 0 U	< 0 U	NA	< 0.2 U	NA
Chloride	N	mg/L	NA	NA	**100 M**	NA	**97 M**	NA	**110 M**	NA	**120 M**	NA	**190**	NA	NA	**167 M**	NA	NA	NA	NA	**136 J**	NA
Fluoride (F-, Anion)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	N	mg/L	NA	NA	**17.65**	NA	**15 J**	NA	**19 M**	NA	**21**	NA	**24 M**	NA	NA	**23.1**	NA	**22.2**	**22**	NA	**17.5**	NA
Total Kjeldahl Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorus as PO4	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity	N	mg/L	NA	NA	**130**	NA	**120**	NA	**120**	NA	**140**	NA	NA	NA	NA	**139 M**	NA	**140**	**142**	NA	**141**	NA
Alkalinity (as CaCO3)	N	mg/L	NA	NA	**240**	NA	**190 B**	NA	**240**	NA	**260**	NA	**270**	NA	NA	**282 M**	NA	**284**	**268**	NA	**246**	NA
Alkalinity, Bicarbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Carbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Hydroxide	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Biological Oxygen Demand	N	mg/L	NA	NA	**6.2**	NA	R	NA	**9.1**	NA	< 0 U	NA	**4.6**	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	NA	NA	NA	NA	**1.79 B**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CBOD	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**1.13 M**	NA	**2.2 F**	**1.61 F**	NA	**2.31 F**	NA
Chemical Oxygen Demand	N	mg/L	NA	NA	**10.6 J**	NA	**14 J**	NA	**22**	NA	**6.3 J**	NA	**13 J**	NA	NA	**46.4 M**	NA	< 0 U	< 0 U	NA	**13.4 M**	NA
Color	N	COLOR UNIT	NA	NA	R	NA	R	NA	10	NA	10	NA	< 0 U	NA	NA	20	NA	< 0 U	< 0 U	NA	< 0 U	NA
Color	N	PCU	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	N	ug/L	NA	NA	< 0 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	< 1 U	NA	NA	< 1 U	NA	**5.8 F**	< 1 U	NA	< 1 U	NA
Hardness (as CaCO3)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	N	PH UNITS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.12	7.09	NA	NA	NA
Total Dissolved Solids	N	mg/L	NA	NA	**362**	NA	**210**	NA	**420**	NA	**400**	NA	NA	NA	NA	**446**	NA	**452**	**480**	NA	**428**	NA
Total Dissolved Solids	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	NA	NA	**1.7**	NA	NA	NA	**5.2**	NA	**0.9 F**	NA	**1.2 M**	NA	NA	**2.53 M**	NA	**5.41**	**4.54**	NA	**3.78 B**	NA
Total Organic Carbon 2	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-013	MW-23-013	MW-23-013	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101
		Sample Date	7/8/2015	8/24/2017	7/31/2018	4/24/2001	6/27/2001	10/2/2001	12/17/2001	3/21/2002	6/21/2002	9/19/2002	12/16/2002	3/24/2003	6/24/2003	9/29/2003	1/19/2004	3/25/2004	6/30/2004	9/28/2004	12/29/2004	3/30/2005
		Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**																				
Metals																						
Aluminum	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	NA	NA	< 70	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	NA	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	ug/L	NA	NA	**0.41**	< 4.4 U	< 30 U	< 30 U	< 30 U	**8.6 F**	< 30 U	< 30 U	< 30 U	**25.5 F**	< 30 U	< 30 U	**13.1 F**	**7.5 F**	**16.5 F**	< 30 U	< 30 U	< 30 U
Barium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	ug/L	NA	NA	**17**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	NA	NA	< 0.30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Boron	T	ug/L	NA	NA	< 15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	ug/L	< 0.6 U	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	**58300 M**	**60000**	**62000**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	ug/L	**6.73**	**6.7**	**9.1**	**3.9 B**	**2.3 F**	**3.6 F**	< 10 U	**2.4 F**	< 10 U	**46.7 B**	**1.3 F**	**4.7 F**	< 10 U	**7.8 F**	**2 F**	**1.6 F**	**1 F**	**3 F**	**0.7 F**	**2 F**
Chromium VI	D	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium VI	T	mg/L	NA	NA	< 0.010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	NA	NA	**0.35**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	NA	NA	< 1.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	**472**	**500**	**350**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	ug/L	< 1 U	< 0.70	< 0.70	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	**19500**	**20000**	**21000**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	**217**	**180**	**230**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	NA	NA	< 0.080	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	NA	NA	**26**	< 2.7 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	**24.9 B**	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	**1.7 F**	< 20 U	< 20 U
Potassium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	**1710**	**1600**	**1800**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	NA	NA	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	NA	NA	< 0.10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	**63100**	**62000**	**59000**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	NA	NA	< 0.20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	NA	NA	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	NA	NA	< 8.0	**4.3 B**	< 10 U	**5.1 F**	**7.4 F**	< 10 U	< 10 U	**4.3 F**	< 20 U	< 20 U	< 20 U	**2.4 F**	**5.4 F**	**2.4 F**	< 20 U	**2.7 F**	< 20 U	**10 F**
Total Recoverable Phenolics	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs																						
1,1,1-Trichloroethane	N	ug/L	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	N	ug/L	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-trichloro-1,2,2-trifluoroethane	N	ug/L	NA	NA	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	N	ug/L	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	N	ug/L	NA	NA	< 0.80	< 1 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,1-Dichloroethene	N	ug/L	NA	NA	< 0.80	< 1 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	**0.13 F**	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,2,3-Trichloropropane	N	ug/L	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trimethylbenzene	N	ug/L	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	N	ug/L	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	N	ug/L	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	N	ug/L	NA	NA	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane	N	ug/L	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	N	ug/L	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	N	ug/L	NA	NA	< 0.40	< 1 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,2-Dichloroethene, Total	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	N	ug/L	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	N	ug/L	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	N	ug/L	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichloropropane	N	ug/L	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	N	ug/L	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dioxane	N	ug/L	NA	NA	< 160	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	N	ug/L	NA	NA	< 4.0	NA	< 5 U	< 5 UM	< 5 UM	< 5 U	< 5 U	< 5 UM	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-013	MW-23-013	MW-23-013	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101
		Sample Date	7/8/2015	8/24/2017	7/31/2018	4/24/2001	6/27/2001	10/2/2001	12/17/2001	3/21/2002	6/21/2002	9/19/2002	12/16/2002	3/24/2003	6/24/2003	9/29/2003	1/19/2004	3/25/2004	6/30/2004	9/28/2004	12/29/2004	3/30/2005
		Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**																				
2-Chloroethyl vinyl ether	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	N	ug/L	NA	NA	< 3.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	N	ug/L	NA	NA	**12**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acrylonitrile	N	ug/L	NA	NA	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	N	ug/L	NA	NA	< 0.40	< 1 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Bromochloromethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	N	ug/L	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	N	ug/L	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane	N	ug/L	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Disulfide	N	ug/L	NA	NA	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	N	ug/L	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CFC-11	N	ug/L	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CFC-12	N	ug/L	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	N	ug/L	NA	NA	< 0.40	< 1 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Chlorodibromomethane	N	ug/L	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane	N	ug/L	NA	NA	< 1.6	< 2 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Chloroform	N	ug/L	NA	NA	< 0.40	< 1 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Chloromethane	N	ug/L	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	N	ug/L	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	N	ug/L	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyclohexane	N	ug/L	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromomethane	N	ug/L	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichloromethane	N	ug/L	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	N	ug/L	NA	NA	< 0.40	< 1 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Isopropylbenzene	N	ug/L	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m&p-Xylenes	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	N	ug/L	NA	NA	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl N-Butyl Ketone (2-Hexanone)	N	ug/L	NA	NA	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylcyclohexane	N	ug/L	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl-tert-butylether	N	ug/L	NA	NA	< 0.80	< 1 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	**0.07 F**	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
n-Butylbenzene	N	ug/L	NA	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	N	ug/L	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenolics	N	mg/L	NA	NA	< 0.010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	N	ug/L	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	N	ug/L	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
tert-Butylbenzene	N	ug/L	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	N	ug/L	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	N	ug/L	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Xylenes	N	ug/L	NA	NA	< 0.80	< 1 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U
trans-1,2-Dichloroethene	N	ug/L	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	N	ug/L	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,4-Dichloro-2-butene	N	ug/L	NA	NA	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	N	ug/L	NA	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl acetate	N	ug/L	NA	NA	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	N	ug/L	NA	NA	< 0.20	< 2 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Leachate Indicators																						
Ammonia Nitrogen	N	mg/L	NA	NA	**0.29**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromide	N	mg/L	NA	NA	< 0.20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloride	N	mg/L	NA	NA	**140**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoride (F-, Anion)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	N	mg/L	NA	NA	**0.19**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	N	mg/L	NA	NA	**15**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Kjeldahl Nitrogen	N	mg/L	NA	NA	**0.89**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorus as PO4	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity	N	mg/L	NA	NA	**130**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity (as CaCO3)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Bicarbonate	N	mg/L	NA	NA	**130**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Carbonate	N	mg/L	NA	NA	< 5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Hydroxide	N	mg/L	NA	NA	< 5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Biological Oxygen Demand	N	mg/L	NA	NA	**3.5**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CBOD	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chemical Oxygen Demand	N	mg/L	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Color	N	COLOR UNIT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Color	N	PCU	NA	NA	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	N	ug/L	NA	NA	**11**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hardness (as CaCO3)	N	mg/L	NA	NA	**220**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	N	PH UNITS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids	N	mg/L	NA	NA	**400**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon 2	N	mg/L	NA	NA	**1.3**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101
		Sample Date	6/29/2005	9/21/2005	9/21/2005	12/20/2005	3/23/2006	6/22/2006	9/13/2006	12/28/2006	3/29/2007	7/12/2007	10/29/2007	12/11/2007	3/26/2009	6/29/2009	9/2/2009	12/9/2009	3/18/2010	6/23/2010	6/23/2010	9/8/2010
		Sample Type	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**																				
Metals																						
Aluminum	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	ug/L	< 30 U	< 30 U	< 30 U	**2.3 F**	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 5 U	< 5 U	< 3 U	< 5 U	**115 J**	NA	< 1 U
Barium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Boron	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	ug/L	**3.4 F**	**4.6 F**	**4.2 F**	**2.6 F**	< 10 U	**1.34 F**	**3.9 F**	**1.9 F**	**3.8 F**	**2.7 F**	**2.4 F**	< 10 U	**3.2 F**	**1.1 F**	**0.61 F**	**1.4 F**	**0.86 F**	NA	**3.48**	**1.7 F**
Chromium VI	D	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium VI	T	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	< 20 U	**1.3 F**	< 20 U	**1.9 F**	< 20 U	< 20 U	< 20 U	**1.5 F**	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	**1.2 F**	**1.5 F**	**0.59 F**	**0.45 F**	NA	**3.63 F**	**2.52 F**
Potassium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	**3.2 F**	**43 B**	**20 B**	**4.7 F**	**26.9**	**19.1 F**	**4.1 F**	**13 F**	**3 F**	**6.3 F**	< 20 U	**32 B**	**11 F**	< 10 UJ	**3.4 F**	**5.7 F**	**3.3 F**	NA	**6.03 F**	**5.33 F**
Total Recoverable Phenolics	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs																						
1,1,1-Trichloroethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-trichloro-1,2,2-trifluoroethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	< 1 U
1,1-Dichloroethene	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	< 1 U
1,2,3-Trichloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	< 1 U
1,2-Dichloroethene, Total	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dioxane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	N	ug/L	< 5	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	R	< 5 U	< 10 U	< 10 U	< 10 U	< 10 U	NA	< 5 U	< 5 U

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101
		Sample Date	6/29/2005	9/21/2005	9/21/2005	12/20/2005	3/23/2006	6/22/2006	9/13/2006	12/28/2006	3/29/2007	7/12/2007	10/29/2007	12/11/2007	3/26/2009	6/29/2009	9/2/2009	12/9/2009	3/18/2010	6/23/2010	6/23/2010	9/8/2010
		Sample Type	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**																				
2-Chloroethyl vinyl ether	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acrylonitrile	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	**0.22 F**	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	< 1 U
Bromochloromethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Disulfide	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CFC-11	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CFC-12	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	< 1 U
Chlorodibromomethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	< 1 U
Chloroform	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	< 1 U
Chloromethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyclohexane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromomethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichloromethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	< 1 U
Isopropylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m&p-Xylenes	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl N-Butyl Ketone (2-Hexanone)	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylcyclohexane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl-tert-butylether	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	< 1 U
n-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenolics	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
tert-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Xylenes	N	ug/L	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	**0.19 F**	< 1.5 U	< 3 U	< 3 U	< 3 U	< 3 U	NA	< 1 U	< 1 U
trans-1,2-Dichloroethene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,4-Dichloro-2-butene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl acetate	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	< 1 U
Leachate Indicators																						
Ammonia Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromide	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloride	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoride (F-, Anion)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Kjeldahl Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorus as PO4	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity (as CaCO3)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Bicarbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Carbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Hydroxide	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Biological Oxygen Demand	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CBOD	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chemical Oxygen Demand	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Color	N	COLOR UNIT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Color	N	PCU	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hardness (as CaCO3)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	N	PH UNITS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon 2	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102
		Sample Date	12/8/2010	12/8/2010	3/29/2011	6/23/2011	9/12/2011	12/12/2011	12/12/2011	3/12/2012	6/19/2012	9/12/2012	9/12/2012	4/24/2001	4/24/2001	6/27/2001	6/27/2001	10/2/2001	10/2/2001	12/17/2001	3/21/2002	6/21/2002
		Sample Type	N	FD	N	N	N	N	N	N	N	N	FD	N	FD	N	FD	N	FD	N	N	N
Chemical	**Fraction**	**Unit**																				
Metals																						
Aluminum	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	ug/L	< 1 U	< 1 U	**0.546 F**	< 1 U	< 1 U	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 4.4 U	< 4.4 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	**5.1 F**	**5.7 F**
Barium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Boron	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	ug/L	**3.88**	**3.12**	**3.58**	NA	**5.05**	NA	**2.93**	**1.9 F**	**2.12**	**1.28 F**	**1.46 F**	**2.3 B**	**2.2 B**	< 10 U	**2.25 F**	**4.3 F**	**2.3 F**	< 10 U	< 10 U	< 10 U
Chromium VI	D	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium VI	T	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	**2.74 F**	**2.87 F**	**2.89 F**	< 4 U	**3.01 F**	NA	**2.1 F**	< 4 U	**6.02**	**2.86 F**	**2.58 F**	< 2.7 U	< 2.7 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
Potassium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	**6.37 F**	**5.97 F**	< 20 U	< 20 U	< 20 U	NA	< 20 U	< 20 U	**8.79 F**	< 20 U	< 20 U	**3.5 BJ**	**31.4 J**	< 10 U	< 10 U	**8.2 F**	**4.5 F**	< 10 U	< 10 U	< 10 U
Total Recoverable Phenolics	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs																						
1,1,1-Trichloroethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-trichloro-1,2,2-trifluoroethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,1-Dichloroethene	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,2,3-Trichloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,2-Dichloroethene, Total	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dioxane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	N	ug/L	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	NA	< 5 U	< 5 UJ	< 5 U	< 5 U	< 5 U	NA	NA	< 5 U	< 5 U	< 5 UM	< 5 UM	< 5 UM	< 5 U	< 5 U

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-101	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102
		Sample Date	12/8/2010	12/8/2010	3/29/2011	6/23/2011	9/12/2011	12/12/2011	12/12/2011	3/12/2012	6/19/2012	9/12/2012	9/12/2012	4/24/2001	4/24/2001	6/27/2001	6/27/2001	10/2/2001	10/2/2001	12/17/2001	3/21/2002	6/21/2002
		Sample Type	N	FD	N	N	N	N	N	N	N	N	FD	N	FD	N	FD	N	FD	N	N	N
Chemical	**Fraction**	**Unit**																				
2-Chloroethyl vinyl ether	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acrylonitrile	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Bromochloromethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Disulfide	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CFC-11	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CFC-12	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Chlorodibromomethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Chloroform	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Chloromethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyclohexane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromomethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichloromethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Isopropylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m&p-Xylenes	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl N-Butyl Ketone (2-Hexanone)	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylcyclohexane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl-tert-butylether	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
n-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenolics	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
tert-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Xylenes	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
trans-1,2-Dichloroethene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,4-Dichloro-2-butene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl acetate	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Leachate Indicators																						
Ammonia Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromide	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloride	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoride (F-, Anion)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Kjeldahl Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorus as PO4	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity (as CaCO3)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Bicarbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Carbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Hydroxide	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Biological Oxygen Demand	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CBOD	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chemical Oxygen Demand	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Color	N	COLOR UNIT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Color	N	PCU	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hardness (as CaCO3)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	N	PH UNITS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon 2	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102
		Sample Date	6/21/2002	9/19/2002	12/16/2002	3/24/2003	6/24/2003	9/29/2003	9/29/2003	1/19/2004	1/19/2004	3/25/2004	3/25/2004	6/30/2004	6/30/2004	9/28/2004	9/28/2004	12/29/2004	12/29/2004	3/30/2005	3/30/2005	6/29/2005
		Sample Type	FD	N	N	N	N	N	FD	N	FD	N	FD	N	FD	N	FD	N	FD	N	FD	N
Chemical	**Fraction**	**Unit**																				
Metals																						
Aluminum	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	ug/L	**5 F**	< 30 U	< 30 U	**24.3 F**	< 30 U	< 30 U	< 30 U	**14.8 F**	**18.6 F**	**12.4 F**	**11.2 F**	**7.7 F**	**11.6 F**	**4.8 F**	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U
Barium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Boron	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	ug/L	< 10 U	**1.3 F**	< 10 U	**4 F**	< 10 U	**6.2 F**	**6.4 F**	**1.1 F**	**1.6 F**	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	**1.6 F**	**1 F**	**2 F**	**2 F**	**2.8 F**
Chromium VI	D	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium VI	T	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	< 10 U	< 10 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	**1.5 F**
Potassium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	**4.2 F**	**3.2 F**	< 20 U	< 20 U	< 20 U	< 20 U	**4 F**	**4.3 F**	**4 F**	**4.2 F**	**2.2 F**	**8.1 F**	**4.8 F**	**5.4 F**	**2.6 F**	< 20 U	< 20 U	**8 F**	**6 F**	**5.3 F**
Total Recoverable Phenolics	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs																						
1,1,1-Trichloroethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-trichloro-1,2,2-trifluoroethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,1-Dichloroethene	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	**0.12 F**	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,2,3-Trichloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,2-Dichloroethene, Total	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dioxane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	N	ug/L	< 5 U	< 5 UM	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102
		Sample Date	6/21/2002	9/19/2002	12/16/2002	3/24/2003	6/24/2003	9/29/2003	9/29/2003	1/19/2004	1/19/2004	3/25/2004	3/25/2004	6/30/2004	6/30/2004	9/28/2004	9/28/2004	12/29/2004	12/29/2004	3/30/2005	3/30/2005	6/29/2005
		Sample Type	FD	N	N	N	N	N	FD	N	FD	N	FD	N	FD	N	FD	N	FD	N	FD	N
Chemical	**Fraction**	**Unit**																				
2-Chloroethyl vinyl ether	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acrylonitrile	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Bromochloromethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Disulfide	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CFC-11	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CFC-12	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Chlorodibromomethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Chloroform	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Chloromethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyclohexane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromomethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichloromethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Isopropylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m&p-Xylenes	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl N-Butyl Ketone (2-Hexanone)	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylcyclohexane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl-tert-butylether	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	**0.09 F**	**0.08 F**	**0.08 F**	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
n-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenolics	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
tert-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Xylenes	N	ug/L	< 0.5 U	< 0.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U
trans-1,2-Dichloroethene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,4-Dichloro-2-butene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl acetate	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Leachate Indicators																						
Ammonia Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromide	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloride	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoride (F-, Anion)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Kjeldahl Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorus as PO4	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity (as CaCO3)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Bicarbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Carbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Hydroxide	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Biological Oxygen Demand	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CBOD	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chemical Oxygen Demand	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Color	N	COLOR UNIT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Color	N	PCU	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hardness (as CaCO3)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	N	PH UNITS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon 2	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102
		Sample Date	9/21/2005	12/20/2005	12/20/2005	3/23/2006	3/23/2006	6/22/2006	9/13/2006	9/13/2006	12/28/2006	12/28/2006	3/29/2007	3/29/2007	7/12/2007	10/29/2007	10/29/2007	12/11/2007	12/11/2007	3/26/2009	3/26/2009	6/29/2009
		Sample Type	N	N	FD	N	FD	N	N	FD	N	FD	N	FD	N	N	FD	N	FD	N	FD	N
Chemical	**Fraction**	**Unit**																				
Metals																						
Aluminum	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	ug/L	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	**2.03 F**	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 5 U
Barium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Boron	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	ug/L	**4.4 F**	**2.6 F**	**2.7 F**	**1.48 F**	**1.76 F**	**1.94 F**	**4.3 F**	**5.6 F**	**2 F**	**2.9 F**	**3.3 F**	**4.2 F**	**3.8 F**	**2.6 F**	**2.2 F**	< 10 U	**1.6 F**	< 10 U	< 10 U	< 2 U
Chromium VI	D	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium VI	T	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	**1.7 F**	**1.7 F**	**1.4 F**	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	**1.2 F**	< 20 U	< 20 U	< 20 U	**1.2 F**	< 20 U	< 20 U	< 20 U	< 20 U	**2.1 F**	< 20 U	**1.2 F**
Potassium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	**29 B**	**11 F**	**15 F**	**38.5**	**17.1 F**	**13.5 F**	**5.6 F**	**4.5 F**	**20**	**9.6 F**	**1.7 F**	< 20 U	< 20 U	< 20 U	< 20 U	**25 B**	**30 B**	**17 F**	**19 F**	**9 J**
Total Recoverable Phenolics	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs																						
1,1,1-Trichloroethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-trichloro-1,2,2-trifluoroethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	R	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U
1,1-Dichloroethene	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	R	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U
1,2,3-Trichloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	R	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U
1,2-Dichloroethene, Total	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dioxane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	N	ug/L	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	R	< 5 U	< 5 U	< 5 U	R	R	< 5 U	< 5 U	< 10 U

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102
		Sample Date	9/21/2005	12/20/2005	12/20/2005	3/23/2006	3/23/2006	6/22/2006	9/13/2006	9/13/2006	12/28/2006	12/28/2006	3/29/2007	3/29/2007	7/12/2007	10/29/2007	10/29/2007	12/11/2007	12/11/2007	3/26/2009	3/26/2009	6/29/2009
		Sample Type	N	N	FD	N	FD	N	N	FD	N	FD	N	FD	N	N	FD	N	FD	N	FD	N
Chemical	**Fraction**	**Unit**																				
2-Chloroethyl vinyl ether	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acrylonitrile	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	R	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U
Bromochloromethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Disulfide	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CFC-11	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CFC-12	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	R	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U
Chlorodibromomethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	R	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U
Chloroform	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	R	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U
Chloromethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyclohexane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromomethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichloromethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	R	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U
Isopropylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m&p-Xylenes	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl N-Butyl Ketone (2-Hexanone)	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylcyclohexane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl-tert-butylether	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	**0.13 F**	**0.23 F**	**0.27 F**	**0.28 F**	**0.35 F**	**0.36 F**	**0.35 F**	**0.34 J**	**0.25 F**	**0.41 F**	**0.42 F**	**0.43 F**	**0.5**	**0.39 F**	**0.4 F**	**0.43 F**
n-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenolics	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
tert-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Xylenes	N	ug/L	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	R	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 3 U
trans-1,2-Dichloroethene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,4-Dichloro-2-butene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl acetate	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	R	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U
Leachate Indicators																						
Ammonia Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromide	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloride	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoride (F-, Anion)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Kjeldahl Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorus as PO4	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity (as CaCO3)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Bicarbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Carbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Hydroxide	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Biological Oxygen Demand	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CBOD	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chemical Oxygen Demand	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Color	N	COLOR UNIT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Color	N	PCU	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hardness (as CaCO3)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	N	PH UNITS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon 2	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-103	MW-23-103	MW-23-103
		Sample Date	9/2/2009	9/2/2009	12/9/2009	12/9/2009	3/18/2010	3/18/2010	6/23/2010	9/8/2010	12/8/2010	3/29/2011	6/23/2011	9/12/2011	12/12/2011	12/12/2011	3/12/2012	6/19/2012	9/12/2012	4/23/2001	6/27/2001	10/2/2001
		Sample Type	N	FD	N	FD	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**																				
Metals																						
Aluminum	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	ug/L	**1.8 F**	**0.74 F**	< 3 U	< 3 U	< 5 U	< 5 U	< 1 UJ	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	< 1 U	< 1 U	< 1 U	**22.7**	**18.4 F**	**14 F**
Barium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Boron	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	ug/L	< 2 U	< 2 U	< 2 U	**0.46 F**	< 2 U	< 2 U	**1.2 F**	**1.36 F**	**1.04 F**	**1.51 F**	NA	**1.53 F**	NA	**1.09 F**	**1.03 F**	**1.38 F**	< 2 U	**1.5 B**	**3.44 F**	**3.7 F**
Chromium VI	D	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium VI	T	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	**1.5 F**	**1.8 F**	**1.1 F**	**1.2 F**	**1.7 F**	**0.87 F**	**2.77 F**	< 4 U	< 4 U	**2.13 F**	< 4 U	< 4 U	NA	**2.44 F**	< 4 U	**5.04**	< 4 U	**6.1 B**	**6.88 F**	**8.8 F**
Potassium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	**20 B**	**8.5 F**	**3.4 F**	**3.8 F**	**4.3 F**	**11 B**	< 20 U	**8.71 F**	**5.08 F**	< 20 U	< 20 U	< 20 U	NA	**11.4 F**	**9.97 F**	**17.8 F**	< 20 U	**5.3 B**	**12.5**	**8.9 F**
Total Recoverable Phenolics	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs																						
1,1,1-Trichloroethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-trichloro-1,2,2-trifluoroethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.5 U	**0.09 F**
1,1-Dichloroethene	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.5 U	< 0.5 U
1,2,3-Trichloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.5 U	< 0.5 U
1,2-Dichloroethene, Total	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dioxane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	N	ug/L	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	NA	< 5 U	< 5 UJ	< 5 U	< 5 U	NA	< 5 U	< 5 UM

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-102	MW-23-103	MW-23-103	MW-23-103
		Sample Date	9/2/2009	9/2/2009	12/9/2009	12/9/2009	3/18/2010	3/18/2010	6/23/2010	9/8/2010	12/8/2010	3/29/2011	6/23/2011	9/12/2011	12/12/2011	12/12/2011	3/12/2012	6/19/2012	9/12/2012	4/23/2001	6/27/2001	10/2/2001
		Sample Type	N	FD	N	FD	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**																				
2-Chloroethyl vinyl ether	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acrylonitrile	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	< 1 U	< 1 U	< 1 U	**1.1**	**0.91**	**1.34**
Bromochloromethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Disulfide	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CFC-11	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CFC-12	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	< 1 U	< 1 U	< 1 U	**3.1**	**2.81**	**4.18**
Chlorodibromomethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	**0.23 F**	**0.44 F**
Chloroform	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.5 U	< 0.5 U
Chloromethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyclohexane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromomethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichloromethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.5 U	**0.17 F**
Isopropylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m&p-Xylenes	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl N-Butyl Ketone (2-Hexanone)	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylcyclohexane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl-tert-butylether	N	ug/L	< 1 U	< 1 U	**0.551 F**	**0.541 F**	**0.652 F**	**0.667 F**	**0.784 F**	**0.9 F**	**0.822 F**	**1.16**	**1.09**	< 1 U	NA	**0.701 F**	**0.958 F**	**0.928 F**	**1.4 J**	**9.1**	**13.9**	**21.2**
n-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenolics	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
tert-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Xylenes	N	ug/L	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.5 U	**0.31 F**
trans-1,2-Dichloroethene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,4-Dichloro-2-butene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl acetate	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	N	ug/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	**1**	**1.76**
Leachate Indicators																						
Ammonia Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromide	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloride	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoride (F-, Anion)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Kjeldahl Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorus as PO4	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity (as CaCO3)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Bicarbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Carbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Hydroxide	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Biological Oxygen Demand	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CBOD	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chemical Oxygen Demand	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Color	N	COLOR UNIT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Color	N	PCU	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hardness (as CaCO3)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	N	PH UNITS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon 2	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103
		Sample Date	12/18/2001	3/21/2002	6/21/2002	9/18/2002	12/16/2002	3/24/2003	3/24/2003	6/24/2003	6/24/2003	9/29/2003	1/19/2004	3/29/2004	6/30/2004	9/27/2004	12/29/2004	3/30/2005	6/29/2005	6/29/2005	12/20/2005	6/22/2006
		Sample Type	N	N	N	N	N	N	FD	N	FD	N	N	N	N	N	N	N	N	FD	N	N
Chemical	**Fraction**	**Unit**																				
Metals																						
Aluminum	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	ug/L	< 30 U	**19.4 F**	**18 F**	< 30 U	**9.1 F**	**45**	**47.9**	**6.1 F**	**10.6 F**	**18.9 F**	**30.9**	**22.3 F**	**24.2 F**	**21 F**	**19.8 F**	**23 F**	**37**	**27 F**	**15 F**	**15.6 F**
Barium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Boron	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	ug/L	< 10 U	< 10 U	< 10 U	**2.4 F**	< 10 U	**2.4 F**	**3.1 F**	< 10 U	< 10 U	**22.7**	**1.6 F**	< 10 U	< 10 U	**0.5 F**	**4.6 F**	**2 F**	**1.9 F**	**1.9 F**	**1.6 F**	< 10 U
Chromium VI	D	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium VI	T	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	**6.4 F**	**5.9 F**	< 10 U	< 10 U	**1.1 F**	< 20 U	< 20 U	**2.9 F**	**3.1 F**	**7.1 F**	< 20 U	**5.3 F**	**1.8 F**	**4.8 F**	**6.7 F**	**6 F**	**6.9 F**	**6 F**	**5.2 F**	**5.03 F**
Potassium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	< 10 U	< 10 U	< 10 U	**8.3 F**	< 20 U	< 20 U	**2.5 F**	< 20 U	< 20 U	**5.9 F**	**5.8 F**	**2.4 F**	**2.8 F**	**6.9 F**	< 20 U	**17 F**	**12 F**	**4.3 F**	**13 F**	**24.7**
Total Recoverable Phenolics	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs																						
1,1,1-Trichloroethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-trichloro-1,2,2-trifluoroethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	**0.11 F**	**0.16 F**	**0.16 F**	**0.13 F**	**0.13 F**	**0.14 F**	**0.1 F**	< 0.5 U	**0.14 F**	**0.14 F**	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,1-Dichloroethene	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,2,3-Trichloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,2-Dichloroethene, Total	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dioxane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	N	ug/L	< 5 UM	< 5 U	< 5 U	< 5 UM	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5	< 5	< 5 U	< 5 U

Appendix B-6
Groundwater Analytical Data, Landfill LF023
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		Location	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103
		Sample Date	12/18/2001	3/21/2002	6/21/2002	9/18/2002	12/16/2002	3/24/2003	3/24/2003	6/24/2003	6/24/2003	9/29/2003	1/19/2004	3/29/2004	6/30/2004	9/27/2004	12/29/2004	3/30/2005	6/29/2005	6/29/2005	12/20/2005	6/22/2006
		Sample Type	N	N	N	N	N	N	FD	N	FD	N	N	N	N	N	N	N	N	FD	N	N
Chemical	**Fraction**	**Unit**																				
2-Chloroethyl vinyl ether	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acrylonitrile	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	N	ug/L	**1.54**	**1.03**	**1.22**	**1.78**	**1.04**	**1.29**	**1.25**	**1.53**	**1.41**	**1.78**	**1.05**	**1.08**	**1.12**	**1.58**	**1.15**	**0.82**	**0.73**	**0.69**	**0.42 F**	**0.37 F**
Bromochloromethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Disulfide	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CFC-11	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CFC-12	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	N	ug/L	**3.64**	**2.81**	**2.82**	**3.72**	**2.74**	**2.87**	**2.83**	**2.85**	**2.68**	**2.92**	**2.25**	**2.27**	**1.59**	**2.41**	**1.65**	**1.85**	**1.6**	**1.5**	**0.94**	**0.66**
Chlorodibromomethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane	N	ug/L	< 0.5 U	**0.21 F**	**0.27 F**	**0.4 F**	< 0.5 U	< 0.5 U	< 0.5 U	**0.25 F**	**0.3 F**	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	**0.36 F**	**0.25 F**	**0.29 F**	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Chloroform	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Chloromethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyclohexane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromomethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichloromethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	N	ug/L	**0.12 F**	< 0.5 U	< 0.5 U	< 0.5 U	**0.1 F**	< 0.5 U	< 0.5 U	**0.08 F**	**0.08 F**	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Isopropylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m&p-Xylenes	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl N-Butyl Ketone (2-Hexanone)	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylcyclohexane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl-tert-butylether	N	ug/L	**18.2**	**9.77**	**11.1**	**10.7**	**6.55**	**8.07**	**7.78**	**8.68**	**8.54**	**14.2**	**5.09**	**3.68**	**1.88**	**1.51**	**0.83**	**0.64**	**0.68**	**0.68**	< 0.5 U	< 0.5 U
n-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenolics	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
tert-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Xylenes	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U
trans-1,2-Dichloroethene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,4-Dichloro-2-butene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl acetate	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	N	ug/L	**2.27**	**0.84**	**1.12**	**0.93**	< 0.5 U	**1.68**	**1.71**	**1.72**	**1.79**	< 0.5 U	**1.35**	**1.63**	**1.22**	**1.7**	**0.76**	**1.09**	**0.74**	**0.77**	**0.49 F**	**0.13 F**
Leachate Indicators																						
Ammonia Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromide	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloride	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoride (F-, Anion)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Kjeldahl Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorus as PO4	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity (as CaCO3)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Bicarbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Carbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Hydroxide	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Biological Oxygen Demand	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CBOD	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chemical Oxygen Demand	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Color	N	COLOR UNIT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Color	N	PCU	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hardness (as CaCO3)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	N	PH UNITS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon 2	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103
		Sample Date	6/22/2006	12/28/2006	7/17/2007	7/17/2007	12/11/2007	6/29/2009	6/29/2009	12/10/2009	6/22/2010	12/9/2010	6/23/2011	12/14/2011	12/14/2011	6/19/2012	6/19/2012	6/26/2013	6/23/2014	6/23/2014	6/25/2015	8/24/2017
		Sample Type	FD	N	N	FD	N	N	FD	N	N	N	N	N	FD	N	FD	N	N	FD	N	N
Chemical	**Fraction**	**Unit**																				
Metals																						
Aluminum	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	ug/L	**16.9 F**	**10 F**	**22 F**	**35**	**15 F**	**11**	**11**	**16**	**22 J**	**14**	**11.9**	**19.1**	**22.7**	**21.7**	**19.2**	**13.2**	**40.9 J**	**54.5 J**	**12.3**	**12**
Barium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Boron	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	ug/L	< 10 U	< 10 U	**1.4 F**	**1.7 F**	**1.7 F**	< 2 U	< 2 U	< 2 U	**1.76 F**	**1.45 F**	NA	**3.78**	**2.39**	**1.03 F**	**1.9 F**	**1.39 J**	**7.19 J**	**2.28 J**	< 2 UJ	**21**
Chromium VI	D	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium VI	T	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	**4.25 F**	**3.6 F**	**3.1 F**	**3.3 F**	**3.2 F**	**2.4**	**2.3**	**3.6**	**9.21**	**5.61**	**4.17**	**6.2**	**6.16**	**6.34**	**5.94**	**6.19**	**4.12**	**4.76**	**5.98**	**1.4**
Potassium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	**23.1**	**8.7 F**	< 20 U	< 20 U	**18 B**	**7.5 J**	**20 J**	**4.1 F**	< 20 U	**5.75 F**	< 20 U	**9.16 F**	**10.9 F**	**9.46 F**	**8.68 F**	**9.94 F**	**24 J**	**32.1 J**	< 20 U	< 8.0
Total Recoverable Phenolics	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs																						
1,1,1-Trichloroethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-trichloro-1,2,2-trifluoroethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.80
1,1-Dichloroethene	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.80
1,2,3-Trichloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.40
1,2-Dichloroethene, Total	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dioxane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	N	ug/L	< 5 U	< 5 U	< 5 U	< 5 U	R	**1.1 F**	**1.26 F**	< 10 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 2.5 U	< 2.5 U	< 5 U	< 4.0

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103	MW-23-103
		Sample Date	6/22/2006	12/28/2006	7/17/2007	7/17/2007	12/11/2007	6/29/2009	6/29/2009	12/10/2009	6/22/2010	12/9/2010	6/23/2011	12/14/2011	12/14/2011	6/19/2012	6/19/2012	6/26/2013	6/23/2014	6/23/2014	6/25/2015	8/24/2017
		Sample Type	FD	N	N	FD	N	N	FD	N	N	N	N	N	FD	N	FD	N	N	FD	N	N
Chemical	**Fraction**	**Unit**																				
2-Chloroethyl vinyl ether	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acrylonitrile	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	N	ug/L	**0.42 F**	< 0.5 U	**0.11 F**	**0.14 F**	**0.16 F**	**0.15 F**	**0.14 F**	< 1 U	**0.221 F**	< 1 U	< 1 U	< 1 U	< 1 U	**0.156 F**	< 1 U	**0.42 F**	**0.472 F**	**0.453 F**	**0.439 F**	**0.46**
Bromochloromethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Disulfide	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CFC-11	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CFC-12	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	N	ug/L	**0.64**	**0.86**	**0.44 F**	**0.48 F**	**0.54**	**0.26 F**	**0.28 F**	< 1 U	**0.147 F**	**0.143 F**	**0.129 F**	< 1 U	**0.133 F**	**0.178 F**	**0.169 F**	< 1 U	**0.629 F**	**0.545 F**	**0.942 F**	**1.1**
Chlorodibromomethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA
Chloroform	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	**0.5 F**	**0.47 F**	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.40
Chloromethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyclohexane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromomethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichloromethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	**1.09**	**1.08**	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.40
Isopropylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m&p-Xylenes	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.80
Methyl Acetate	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl N-Butyl Ketone (2-Hexanone)	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylcyclohexane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl-tert-butylether	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.80
n-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.40
Phenolics	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
tert-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Xylenes	N	ug/L	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	**0.31 F**	**0.52 F**	< 3 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.80
trans-1,2-Dichloroethene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,4-Dichloro-2-butene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl acetate	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	N	ug/L	**0.2 F**	< 0.5 U	< 0.5 U	< 0.5 U	**0.13 F**	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	**0.265 M**	< 1 U	**0.16**
Leachate Indicators																						
Ammonia Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromide	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloride	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoride (F-, Anion)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Kjeldahl Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorus as PO4	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity (as CaCO3)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Bicarbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Carbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Hydroxide	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Biological Oxygen Demand	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CBOD	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chemical Oxygen Demand	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Color	N	COLOR UNIT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Color	N	PCU	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hardness (as CaCO3)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	N	PH UNITS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon 2	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-103	MW-23-103	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104
		Sample Date	8/24/2017	8/1/2018	4/23/2001	6/27/2001	10/2/2001	12/18/2001	12/18/2001	3/21/2002	3/21/2002	6/21/2002	9/18/2002	9/18/2002	12/16/2002	12/16/2002	6/24/2003	9/29/2003	1/19/2004	3/29/2004	6/30/2004	9/27/2004
		Sample Type	FD	N	N	N	N	N	FD	N	FD	N	N	FD	N	FD	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**																				
Metals																						
Aluminum	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	NA	< 70	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	ug/L	**11**	**10**	< 4.4 U	< 30 U	< 30 U	< 30 U	< 30 U	**7.1 F**	**6.5 F**	**5 F**	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	**14.3 F**	**10.8 F**	**8 F**	< 30 U
Barium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	ug/L	NA	**37**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	NA	< 0.30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Boron	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	ug/L	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	NA	**100000**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	ug/L	< 1.8	< 1.8	**4.7 B**	**5.88 F**	**32.2**	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	**3.1 F**	**4.9 F**	**1.7 F**	**1.2 F**	< 10 U	**16.8**	**5.6 F**	**2.5 F**	**0.8 F**	**2.5 F**
Chromium VI	D	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium VI	T	mg/L	NA	< 0.010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	NA	**2.5**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	NA	< 1.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	NA	**8000**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	ug/L	NA	< 0.70	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	NA	**14000**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	NA	**430**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	NA	< 0.080	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	**1.3**	**1.6**	**4.1 B**	**4.44 F**	**25**	**2.3 F**	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 20 U	< 20 U	< 20 U	**8.3 F**	< 20 U	< 20 U	< 20 U	**2.2 F**
Potassium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	NA	**3900**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	NA	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	NA	< 0.10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	NA	**180000**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	NA	< 0.20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	NA	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	< 8.0	**5.0**	**15.4**	**12.4**	**81.7**	**8.7 F**	**5.3 F**	< 10 U	**5.8 F**	< 10 U	**6.6 F**	**8 F**	**6.3 F**	**5 F**	< 20 U	**22.2**	**20.7**	**11.3 F**	**4.6 F**	**8.6 F**
Total Recoverable Phenolics	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs																						
1,1,1-Trichloroethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-trichloro-1,2,2-trifluoroethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	N	ug/L	< 0.80	< 0.80	< 1 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,1-Dichloroethene	N	ug/L	< 0.80	< 0.80	< 1 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,2,3-Trichloropropane	N	ug/L	NA	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	N	ug/L	< 0.40	< 0.40	< 1 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,2-Dichloroethene, Total	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dioxane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	N	ug/L	< 4.0	< 4.0	NA	< 5 U	< 5 UM	< 5 UM	< 5 UM	< 5 U	< 5 U	< 5 U	< 5 UM	< 5 UM	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U

		Location	MW-23-103	MW-23-103	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104
		Sample Date	8/24/2017	8/1/2018	4/23/2001	6/27/2001	10/2/2001	12/18/2001	12/18/2001	3/21/2002	3/21/2002	6/21/2002	9/18/2002	9/18/2002	12/16/2002	12/16/2002	6/24/2003	9/29/2003	1/19/2004	3/29/2004	6/30/2004	9/27/2004
		Sample Type	FD	N	N	N	N	N	FD	N	FD	N	N	FD	N	FD	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**																				
2-Chloroethyl vinyl ether	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acrylonitrile	N	ug/L	NA	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	N	ug/L	**0.49**	**0.29**	< 1 U	**0.28 F**	**0.2 F**	**0.24 F**	**0.23 F**	< 0.5 U	**0.2 F**	< 0.5 U	**0.55**	**0.56**	**0.33 F**	**0.38 F**	**0.21 F**	**0.13 F**	< 0.5 U	**0.15 F**	< 0.5 U	**0.52**
Bromochloromethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Disulfide	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CFC-11	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CFC-12	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	N	ug/L	**0.99**	**0.96**	< 1 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Chlorodibromomethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane	N	ug/L	NA	< 1.6	< 2 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Chloroform	N	ug/L	< 0.40	< 0.40	< 1 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	**0.36 F**	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	**0.7**
Chloromethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyclohexane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromomethane	N	ug/L	NA	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichloromethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	N	ug/L	< 0.40	< 0.40	< 1 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	**0.09 F**	**0.1 F**	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Isopropylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m&p-Xylenes	N	ug/L	< 0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl N-Butyl Ketone (2-Hexanone)	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylcyclohexane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl-tert-butylether	N	ug/L	< 0.80	< 0.80	< 1 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
n-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	N	ug/L	< 0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenolics	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
tert-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Xylenes	N	ug/L	< 0.80	< 0.80	< 1 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U
trans-1,2-Dichloroethene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,4-Dichloro-2-butene	N	ug/L	NA	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl acetate	N	ug/L	NA	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	N	ug/L	**0.12**	**0.12**	< 2 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Leachate Indicators																						
Ammonia Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromide	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloride	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoride (F-, Anion)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Kjeldahl Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorus as PO4	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity (as CaCO3)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Bicarbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Carbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Hydroxide	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Biological Oxygen Demand	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CBOD	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chemical Oxygen Demand	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Color	N	COLOR UNIT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Color	N	PCU	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hardness (as CaCO3)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	N	PH UNITS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon 2	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104
		Sample Date	12/29/2004	4/4/2005	6/29/2005	12/20/2005	6/22/2006	12/28/2006	7/17/2007	12/11/2007	6/30/2009	12/9/2009	6/22/2010	12/9/2010	6/23/2011	12/11/2011	6/22/2012	6/26/2013	6/26/2013	6/23/2014	6/24/2015	6/24/2015
		Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	FD
Chemical	**Fraction**	**Unit**																				
Metals																						
Aluminum	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	ug/L	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 5 U	**1.3 F**	**51.3 J**	**57.4**	**1.6 J**	< 1 U	**1.82**	< 1 U	< 1 U	**0.949 J**	< 1 U	**0.644 F**
Barium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Boron	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	ug/L	**9.5 F**	**20**	**28**	**4.9 F**	**4 F**	< 10 U	**4 F**	**2.3 F**	**6.7**	**17**	**31.9**	**10.8**	NA	**1.51 F**	**12.3**	**1.41 J**	**2.72 J**	**8.32 J**	**3.98 J**	**4.93 J**
Chromium VI	D	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium VI	T	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	ug/L	**6.7 F**	**12 F**	**19 F**	**2.4 F**	**2.64 F**	**2.4 F**	< 20 U	< 20 U	**8.1**	**17**	**29.1**	**12.2**	**19.9**	**3.66 F**	**18.4**	**4.05**	**5.03**	**9.29**	**5.82**	**6.71**
Potassium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	ug/L	**20.7**	**288**	**120**	**37**	**22.5**	**37**	< 20 U	**24 B**	**40 J**	**52**	**64.6**	**27.7**	**52.1**	< 20 U	**66.2**	**7.48 F**	**11.1 F**	**52.1 J**	**26.9**	**31.9**
Total Recoverable Phenolics	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs																						
1,1,1-Trichloroethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-trichloro-1,2,2-trifluoroethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1-Dichloroethene	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2,3-Trichloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichloroethene, Total	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichloropropane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dioxane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	N	ug/L	< 5 U	< 5 U	< 5	< 5 U	< 5 U	< 5 U	< 5 U	R	< 10 U	< 10 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 2.5 U	< 5 U	< 5 U

Appendix B-6
Groundwater Analytical Data, Landfill LF023
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104	MW-23-104
		Sample Date	12/29/2004	4/4/2005	6/29/2005	12/20/2005	6/22/2006	12/28/2006	7/17/2007	12/11/2007	6/30/2009	12/9/2009	6/22/2010	12/9/2010	6/23/2011	12/11/2011	6/22/2012	6/26/2013	6/26/2013	6/23/2014	6/24/2015	6/24/2015
		Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	FD
Chemical	**Fraction**	**Unit**																				
2-Chloroethyl vinyl ether	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acrylonitrile	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	**0.18 F**	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromochloromethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Disulfide	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CFC-11	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CFC-12	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chlorodibromomethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloroform	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloromethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyclohexane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromomethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichloromethane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Isopropylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m&p-Xylenes	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl N-Butyl Ketone (2-Hexanone)	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylcyclohexane	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl-tert-butylether	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
n-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenolics	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
tert-Butylbenzene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Xylenes	N	ug/L	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 3 U	< 3 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
trans-1,2-Dichloroethene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,4-Dichloro-2-butene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl acetate	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	N	ug/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Leachate Indicators																						
Ammonia Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromide	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloride	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoride (F-, Anion)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Kjeldahl Nitrogen	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorus as PO4	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity (as CaCO3)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Bicarbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Carbonate	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Hydroxide	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Biological Oxygen Demand	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CBOD	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chemical Oxygen Demand	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Color	N	COLOR UNIT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Color	N	PCU	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	D	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hardness (as CaCO3)	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	N	PH UNITS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids	N	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon 2	N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

		Location	MW-23-104	MW-23-104
		Sample Date	8/24/2017	8/1/2018
		Sample Type	N	N
Chemical	**Fraction**	**Unit**		
Metals				
Aluminum	D	ug/L	NA	NA
Aluminum	T	ug/L	NA	**36**
Antimony	D	ug/L	NA	NA
Antimony	T	ug/L	NA	< 1.0
Arsenic	D	ug/L	NA	NA
Arsenic	T	ug/L	< 1.0	< 1.0
Barium	D	ug/L	NA	NA
Barium	T	ug/L	NA	**18**
Beryllium	D	ug/L	NA	NA
Beryllium	T	ug/L	NA	< 0.30
Boron	T	ug/L	NA	NA
Cadmium	D	ug/L	NA	NA
Cadmium	T	ug/L	NA	< 1.0
Calcium	D	ug/L	NA	NA
Calcium	T	ug/L	NA	**81000**
Chromium	D	ug/L	NA	NA
Chromium	T	ug/L	< 1.8	< 1.8
Chromium VI	D	mg/L	NA	NA
Chromium VI	T	mg/L	NA	< 0.010
Cobalt	D	ug/L	NA	NA
Cobalt	T	ug/L	NA	**2.6**
Copper	D	ug/L	NA	NA
Copper	T	ug/L	NA	< 1.8
Iron	D	ug/L	NA	NA
Iron	T	ug/L	NA	**130**
Lead	D	ug/L	NA	NA
Lead	T	ug/L	NA	< 0.70
Magnesium	D	ug/L	NA	NA
Magnesium	T	ug/L	NA	**19000**
Manganese	D	ug/L	NA	NA
Manganese	T	ug/L	NA	**1900**
Mercury	D	ug/L	NA	NA
Mercury	T	ug/L	NA	< 0.080
Nickel	D	ug/L	NA	NA
Nickel	T	ug/L	**0.40**	**0.85**
Potassium	D	ug/L	NA	NA
Potassium	T	ug/L	NA	**1700**
Selenium	D	ug/L	NA	NA
Selenium	T	ug/L	NA	< 2.0
Silver	D	ug/L	NA	NA
Silver	T	ug/L	NA	< 0.10
Sodium	D	ug/L	NA	NA
Sodium	T	ug/L	NA	**220000**
Thallium	D	ug/L	NA	NA
Thallium	T	ug/L	NA	< 0.20
Vanadium	D	ug/L	NA	NA
Vanadium	T	ug/L	NA	< 2.0
Zinc	D	ug/L	NA	NA
Zinc	T	ug/L	< 8.0	**2.9**
Total Recoverable Phenolics	N	mg/L	NA	NA
VOCs				
1,1,1-Trichloroethane	N	ug/L	NA	NA
1,1,2,2-Tetrachloroethane	N	ug/L	NA	NA
1,1,2-trichloro-1,2,2-trifluoroethane	N	ug/L	NA	NA
1,1,2-Trichloroethane	N	ug/L	NA	NA
1,1-Dichloroethane	N	ug/L	< 0.80	< 0.80
1,1-Dichloroethene	N	ug/L	< 0.80	< 0.80
1,2,3-Trichloropropane	N	ug/L	NA	< 0.80
1,2,3-Trimethylbenzene	N	ug/L	NA	NA
1,2,4-Trichlorobenzene	N	ug/L	NA	NA
1,2,4-Trimethylbenzene	N	ug/L	NA	NA
1,2-Dibromo-3-chloropropane	N	ug/L	NA	NA
1,2-Dibromoethane	N	ug/L	NA	NA
1,2-Dichlorobenzene	N	ug/L	NA	NA
1,2-Dichloroethane	N	ug/L	< 0.40	< 0.40
1,2-Dichloroethene, Total	N	ug/L	NA	NA
1,2-Dichloropropane	N	ug/L	NA	NA
1,3,5-Trimethylbenzene	N	ug/L	NA	NA
1,3-Dichlorobenzene	N	ug/L	NA	NA
1,3-Dichloropropane	N	ug/L	NA	NA
1,4-Dichlorobenzene	N	ug/L	NA	NA
1,4-Dioxane	N	ug/L	NA	NA
2-Butanone (MEK)	N	ug/L	< 4.0	< 4.0

		Location	MW-23-104	MW-23-104
		Sample Date	8/24/2017	8/1/2018
		Sample Type	N	N
Chemical	**Fraction**	**Unit**		
2-Chloroethyl vinyl ether	N	ug/L	NA	NA
4-Methyl-2-Pentanone	N	ug/L	NA	NA
Acetone	N	ug/L	NA	NA
Acrylonitrile	N	ug/L	NA	< 4.0
Benzene	N	ug/L	< 0.40	< 0.40
Bromochloromethane	N	ug/L	NA	NA
Bromodichloromethane	N	ug/L	NA	NA
Bromoform	N	ug/L	NA	NA
Bromomethane	N	ug/L	NA	NA
Carbon Disulfide	N	ug/L	NA	NA
Carbon Tetrachloride	N	ug/L	NA	NA
CFC-11	N	ug/L	NA	NA
CFC-12	N	ug/L	NA	NA
Chlorobenzene	N	ug/L	< 0.40	< 0.40
Chlorodibromomethane	N	ug/L	NA	NA
Chloroethane	N	ug/L	NA	< 1.6
Chloroform	N	ug/L	< 0.40	< 0.40
Chloromethane	N	ug/L	NA	NA
cis-1,2-Dichloroethene	N	ug/L	NA	NA
cis-1,3-Dichloropropene	N	ug/L	NA	NA
Cyclohexane	N	ug/L	NA	NA
Dibromomethane	N	ug/L	NA	< 0.40
Dichloromethane	N	ug/L	NA	NA
Ethylbenzene	N	ug/L	< 0.40	< 0.40
Isopropylbenzene	N	ug/L	NA	NA
m&p-Xylenes	N	ug/L	< 0.80	NA
Methyl Acetate	N	ug/L	NA	NA
Methyl N-Butyl Ketone (2-Hexanone)	N	ug/L	NA	NA
Methylcyclohexane	N	ug/L	NA	NA
Methyl-tert-butylether	N	ug/L	< 0.80	< 0.80
n-Butylbenzene	N	ug/L	NA	NA
n-Propylbenzene	N	ug/L	NA	NA
o-Xylene	N	ug/L	< 0.40	NA
Phenolics	N	mg/L	NA	NA
sec-Butylbenzene	N	ug/L	NA	NA
Styrene (Monomer)	N	ug/L	NA	NA
tert-Butylbenzene	N	ug/L	NA	NA
Tetrachloroethene	N	ug/L	NA	< 0.40
Toluene	N	ug/L	NA	NA
Total Xylenes	N	ug/L	< 0.80	< 0.80
trans-1,2-Dichloroethene	N	ug/L	NA	NA
trans-1,3-Dichloropropene	N	ug/L	NA	NA
trans-1,4-Dichloro-2-butene	N	ug/L	NA	< 1.6
Trichloroethene	N	ug/L	NA	NA
Vinyl acetate	N	ug/L	NA	< 2.0
Vinyl chloride	N	ug/L	< 0.20	< 0.20
Leachate Indicators				
Ammonia Nitrogen	N	mg/L	NA	NA
Bromide	N	mg/L	NA	NA
Chloride	N	mg/L	NA	NA
Fluoride (F-, Anion)	N	mg/L	NA	NA
Nitrate-N	N	mg/L	NA	NA
Sulfate	N	mg/L	NA	NA
Total Kjeldahl Nitrogen	N	mg/L	NA	NA
Total Phosphorus as PO4	N	mg/L	NA	NA
Alkalinity	N	mg/L	NA	NA
Alkalinity (as CaCO3)	N	mg/L	NA	NA
Alkalinity, Bicarbonate	N	mg/L	NA	NA
Alkalinity, Carbonate	N	mg/L	NA	NA
Alkalinity, Hydroxide	N	mg/L	NA	NA
Biological Oxygen Demand	N	mg/L	NA	NA
Carbon	N	mg/L	NA	NA
CBOD	N	mg/L	NA	NA
Chemical Oxygen Demand	N	mg/L	NA	NA
Color	N	COLOR UNIT	NA	NA
Color	N	PCU	NA	NA
Cyanide	D	ug/L	NA	NA
Cyanide	N	ug/L	NA	NA
Hardness (as CaCO3)	N	mg/L	NA	NA
pH	N	PH UNITS	NA	NA
Total Dissolved Solids	N	mg/L	NA	NA
Total Dissolved Solids	N	ug/L	NA	NA
Carbon	N	mg/L	NA	NA
Total Organic Carbon 2	N	mg/L	NA	NA

Notes:

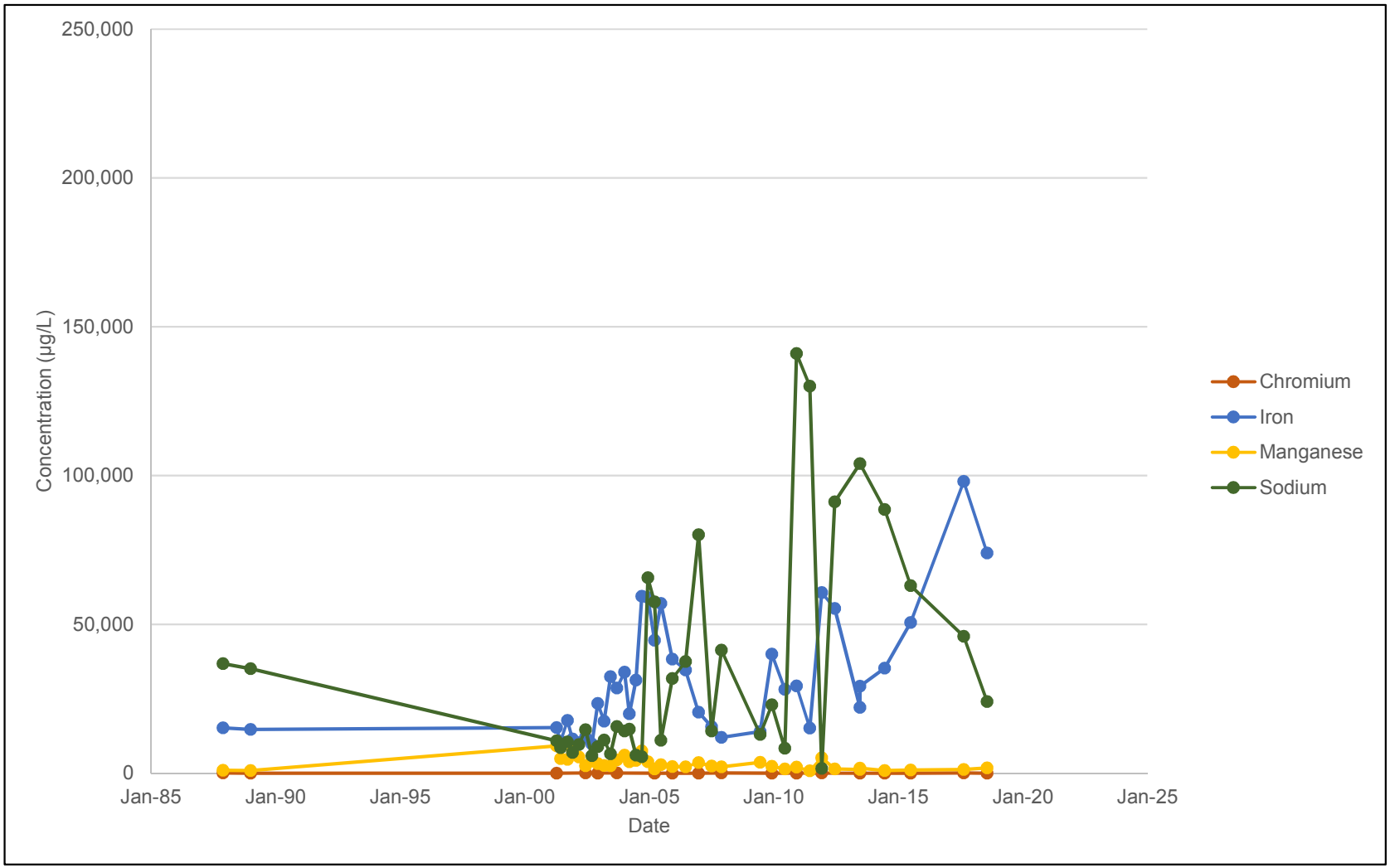
Detections are **boldfaced**

µg/L: micrograms per liter
CBOD: Carbonaceous Biochemical Oxygen Demand
D: Dissolved
mg/L: miligrams per liter
N: normal (parent) sample
NA: not analyzed
T: Total

Data Qualifiers:
J: The compound was positively identified; however, the associated numerical value is an estimated concentration only.
M: The analyte in question was quantitated using peak heights rather than peak areas for both the analyte and its internal standard.
U: The compound was analyzed for but not detected. The associated value is the compound quantitation limit.
UJ: The compound was not detected above the reported sample quantitation limit. However, the reported limit is approximate and may or may not represent the actual limit of quantitation.

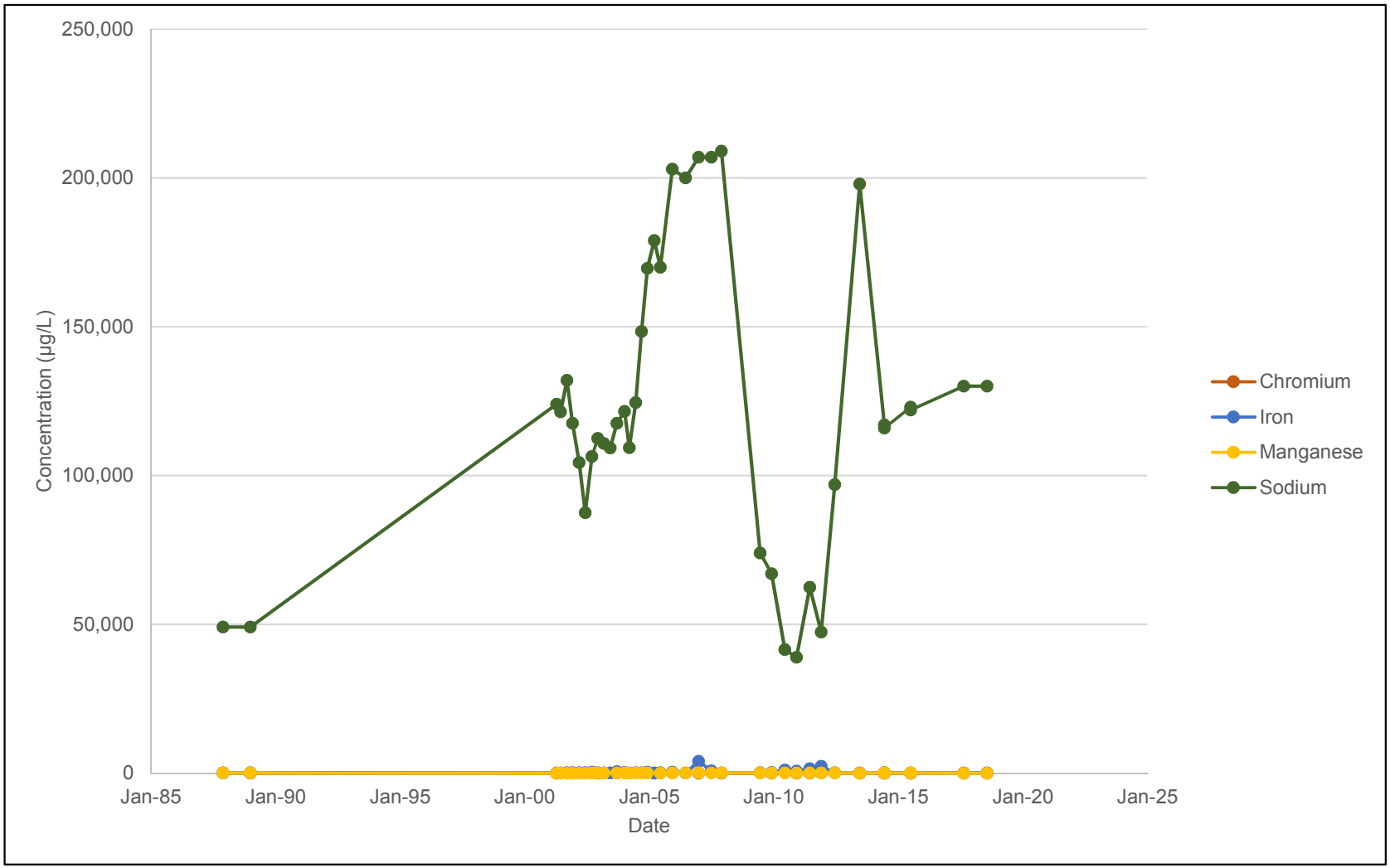
Former Plattsburgh Air Force Base
Plattsburgh, New York
Landfill LF023

MW-23-001



Former Plattsburgh Air Force Base
Plattsburgh, New York
Landfill LF023

MW-23-002



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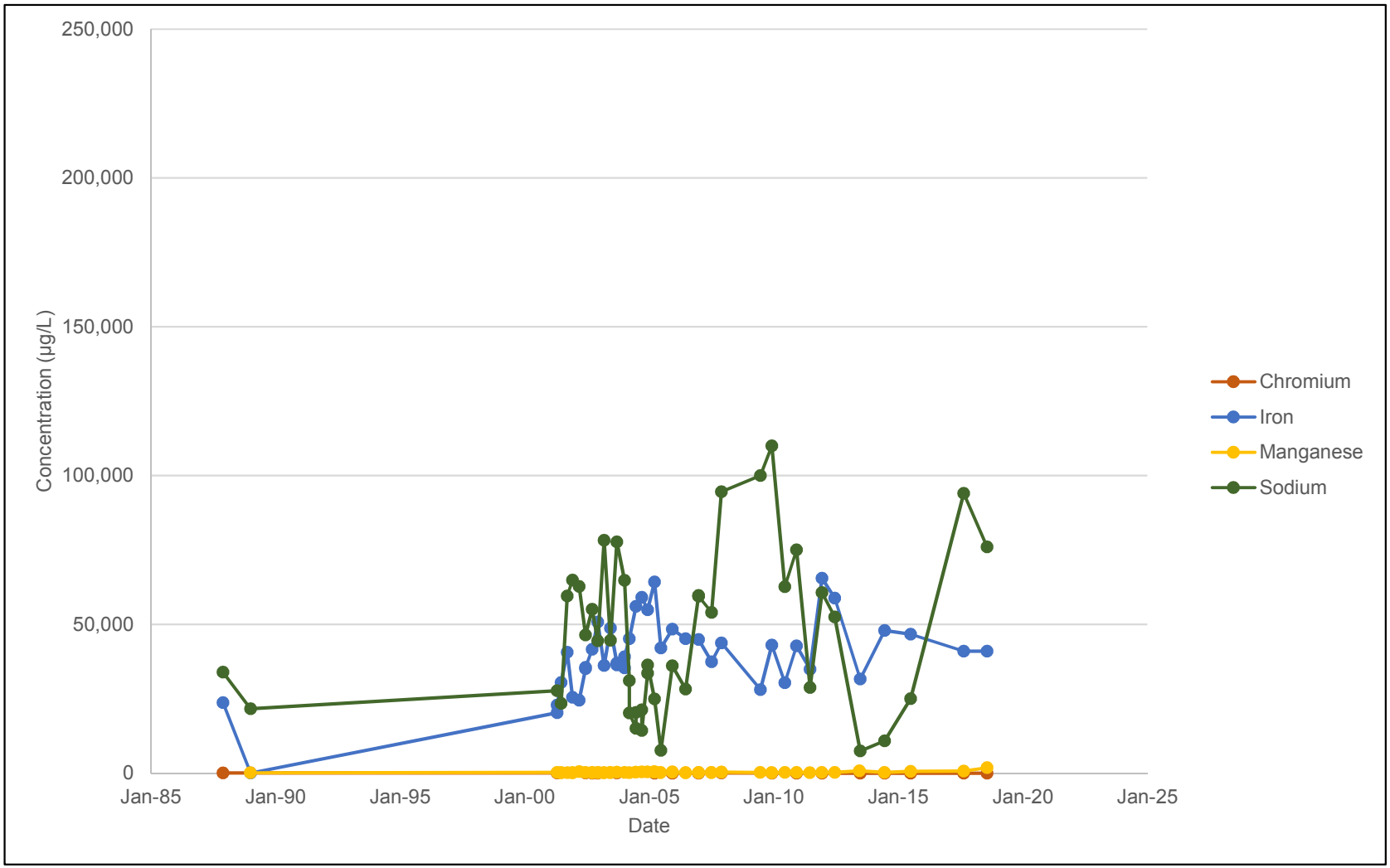
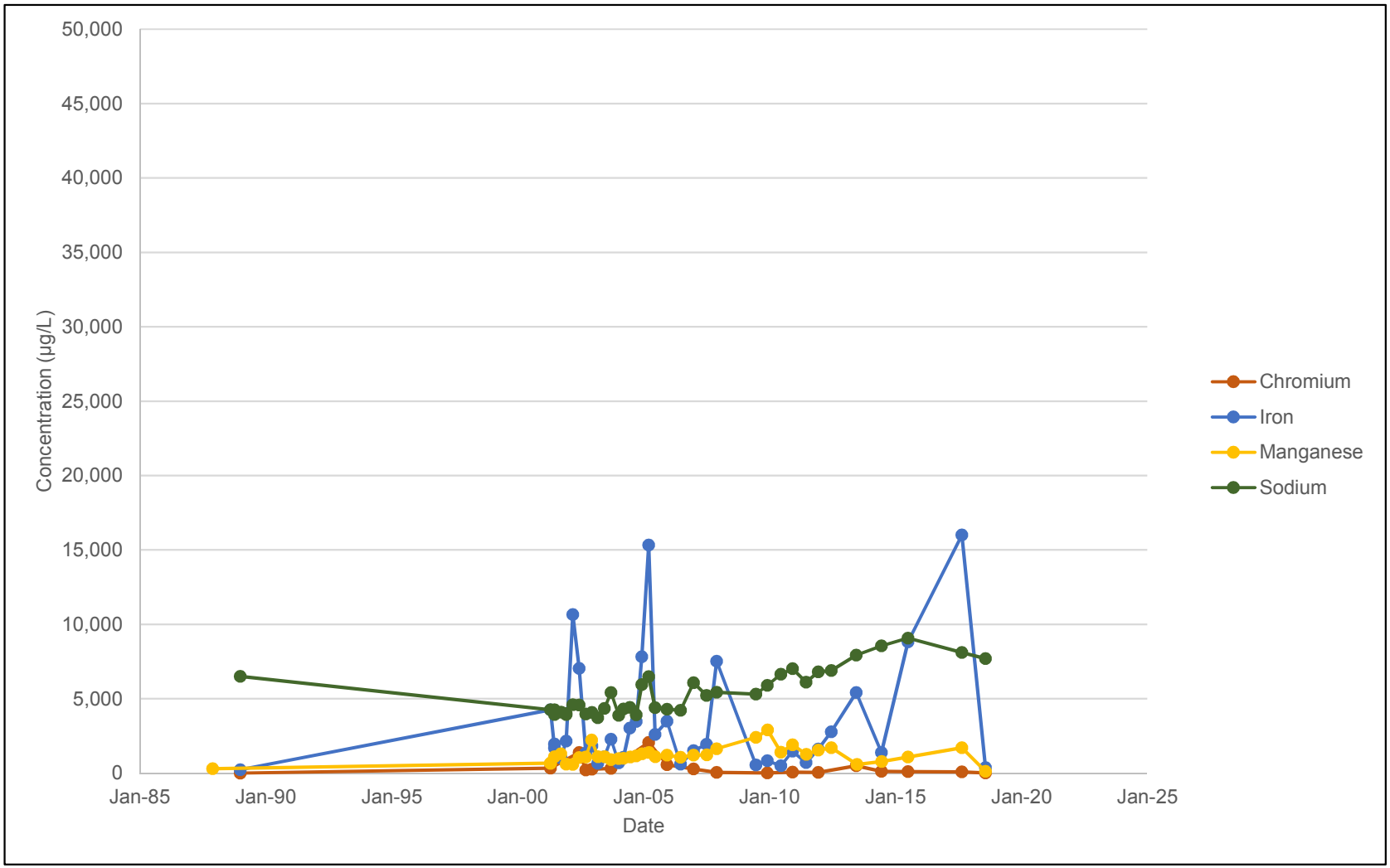
Plattsburgh, New York
Landfill LF023

MW-23-003



Former Plattsburgh Air Force Base
Plattsburgh, New York
Landfill LF023

MW-23-004



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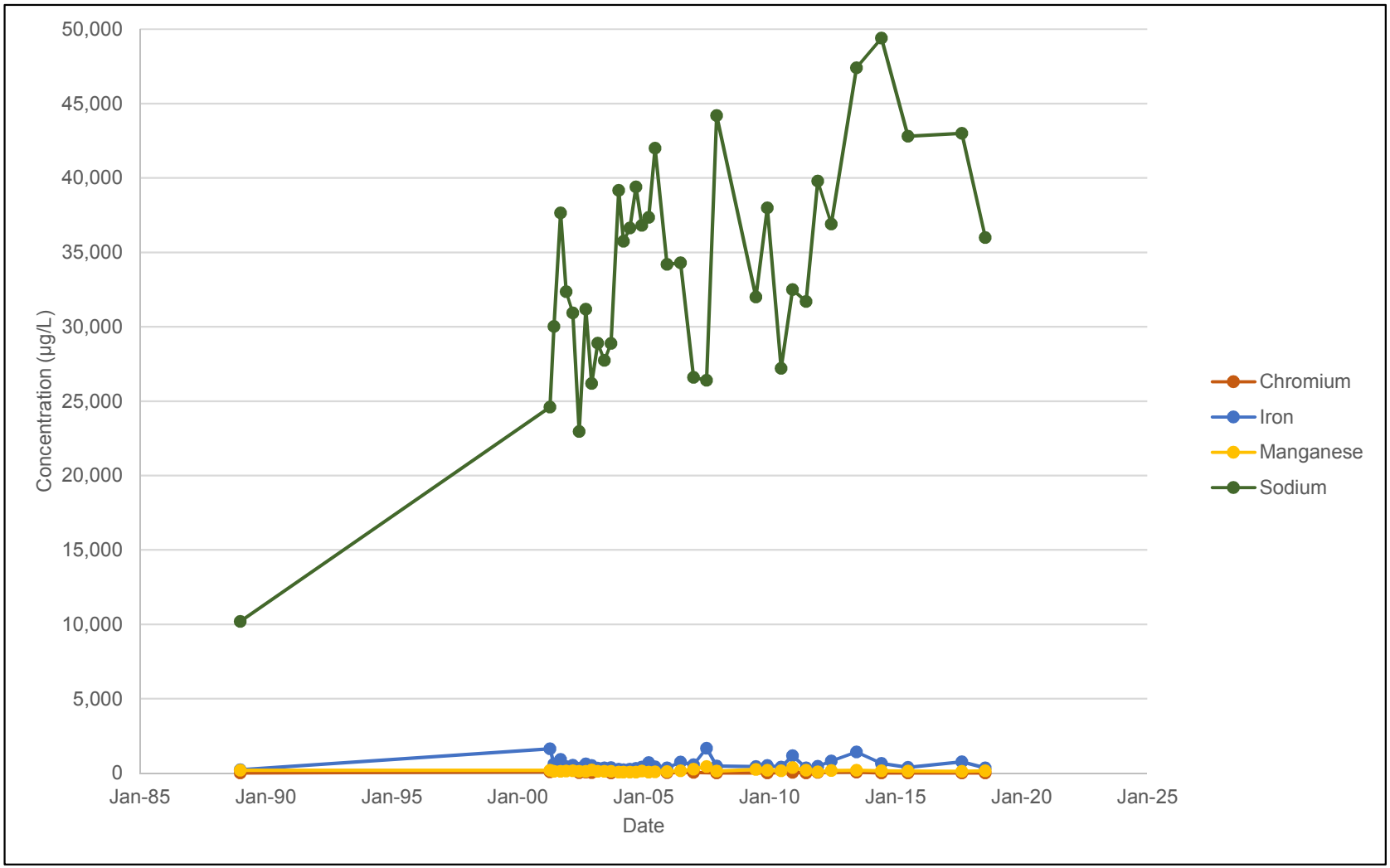
Plattsburgh, New York
Landfill LF023

MW-23-005



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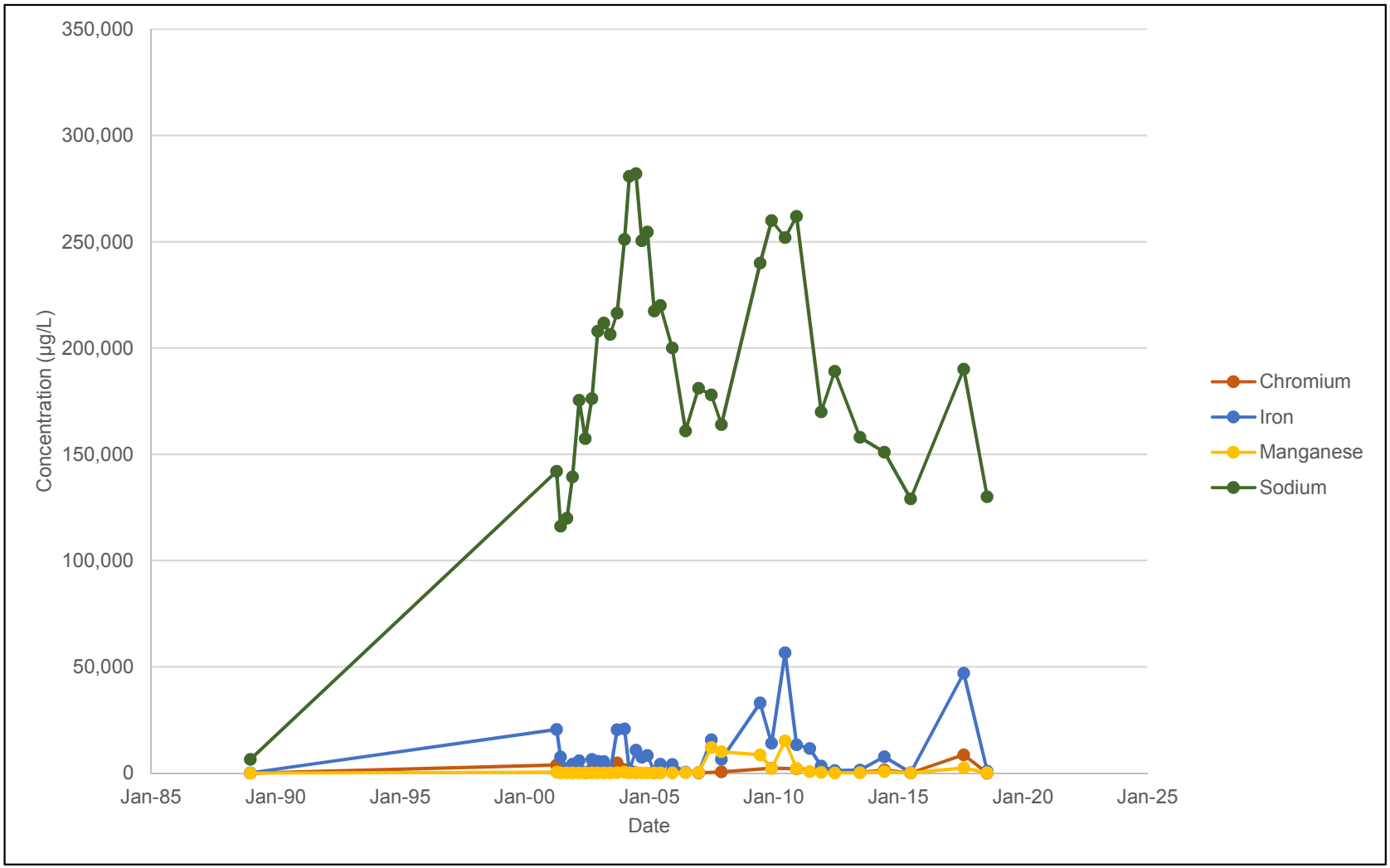
Plattsburgh, New York
Landfill LF023

MW-23-006



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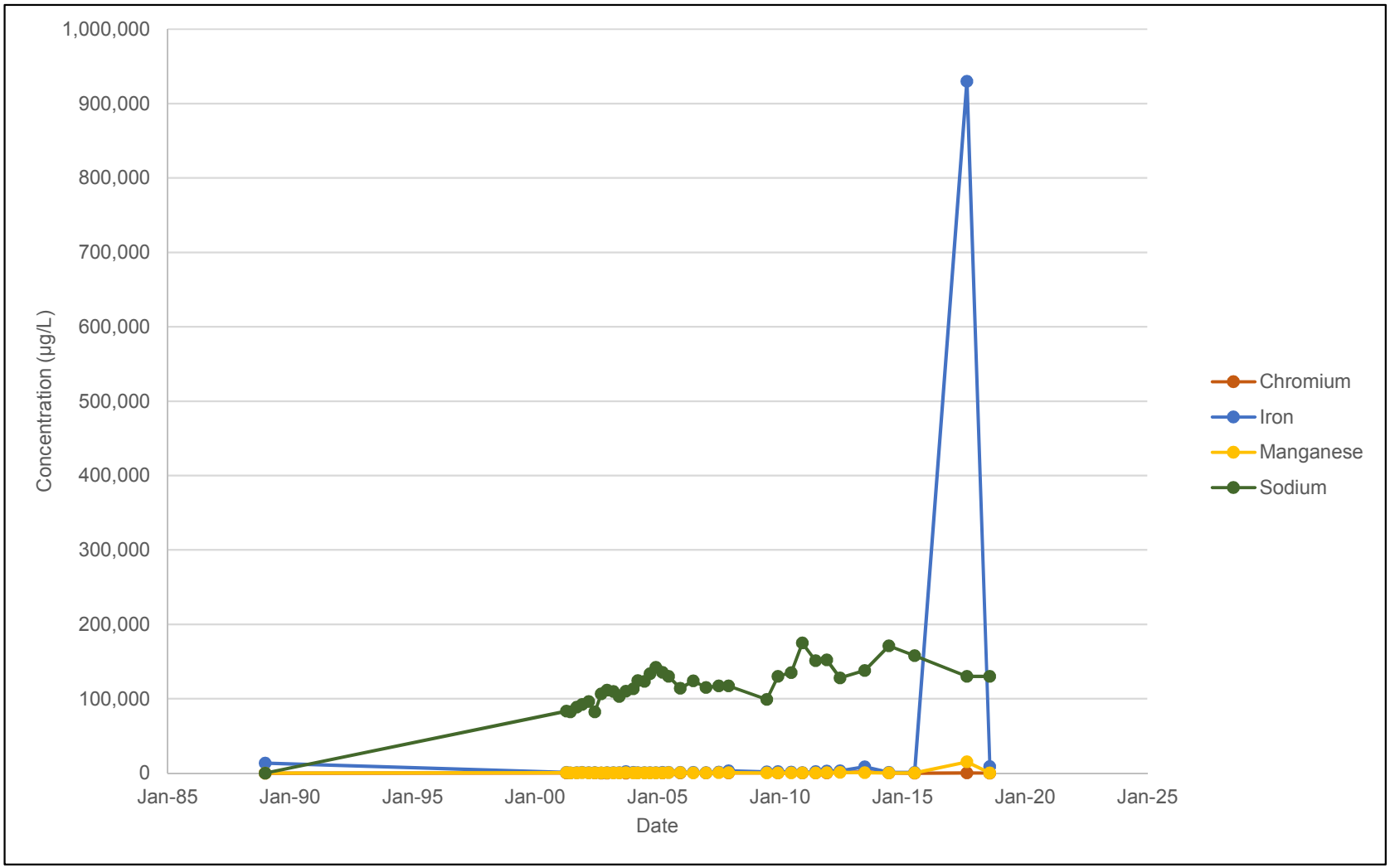
Plattsburgh, New York
Landfill LF023

MW-23-007



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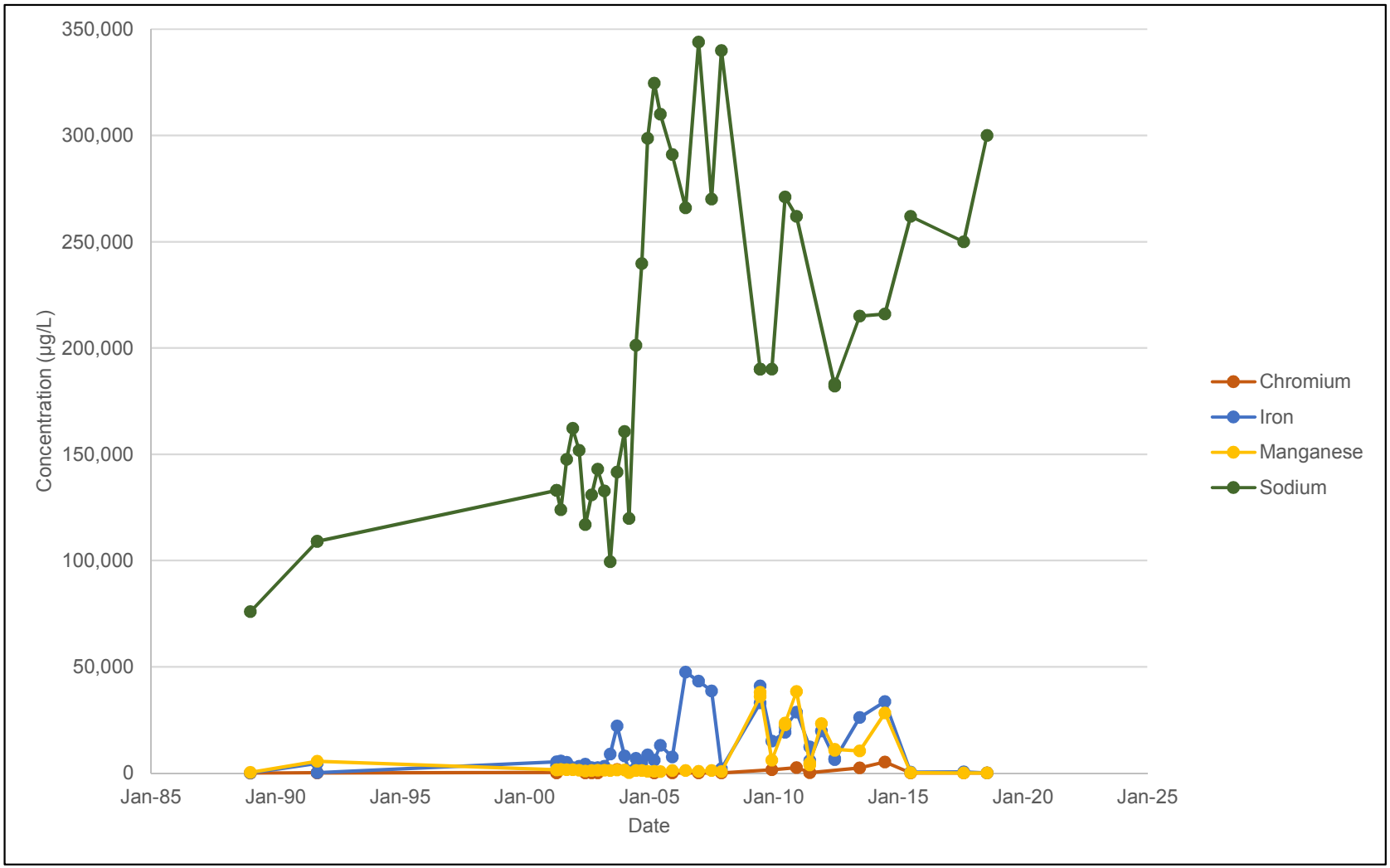
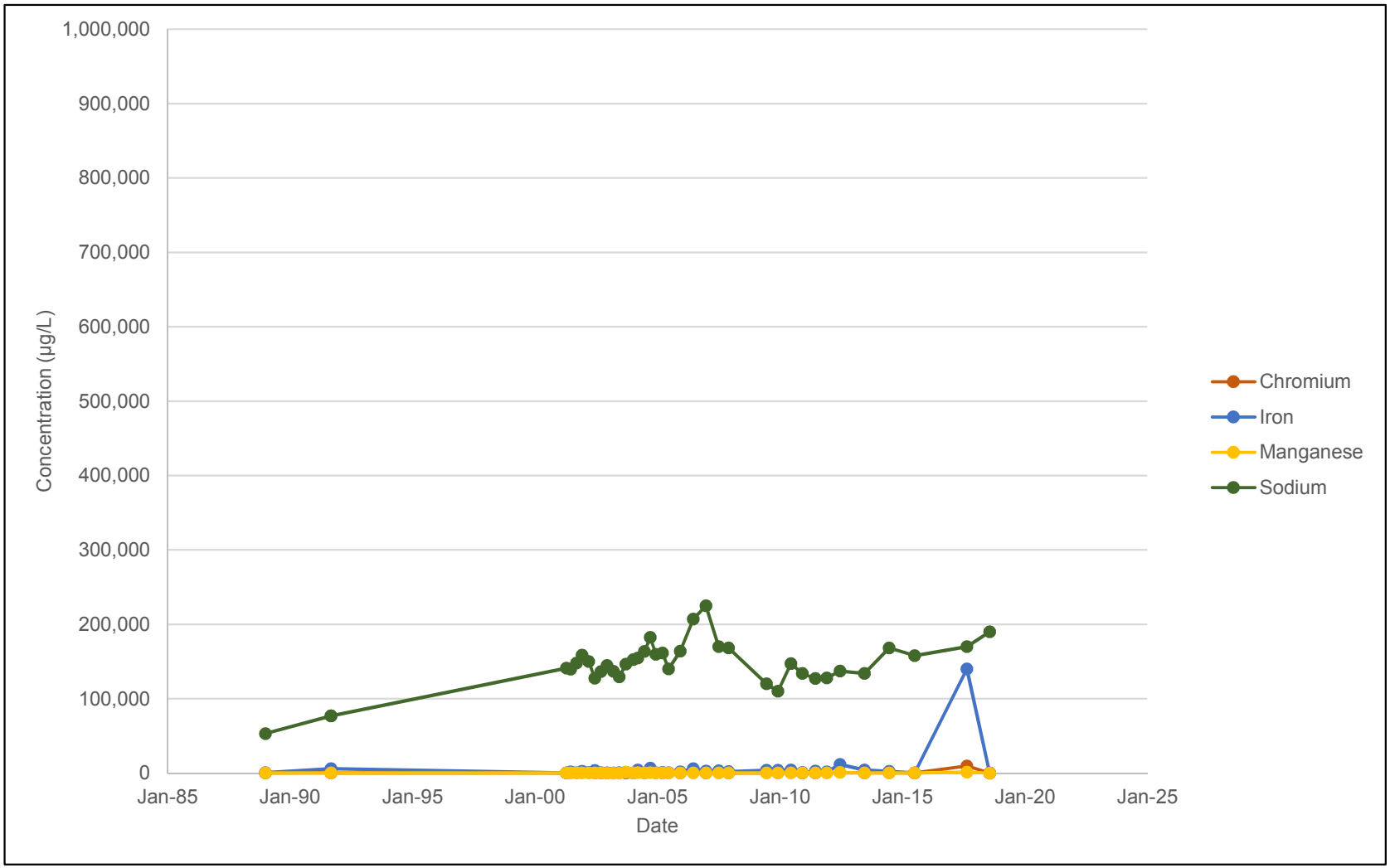
Plattsburgh, New York
Landfill LF023

MW-23-008



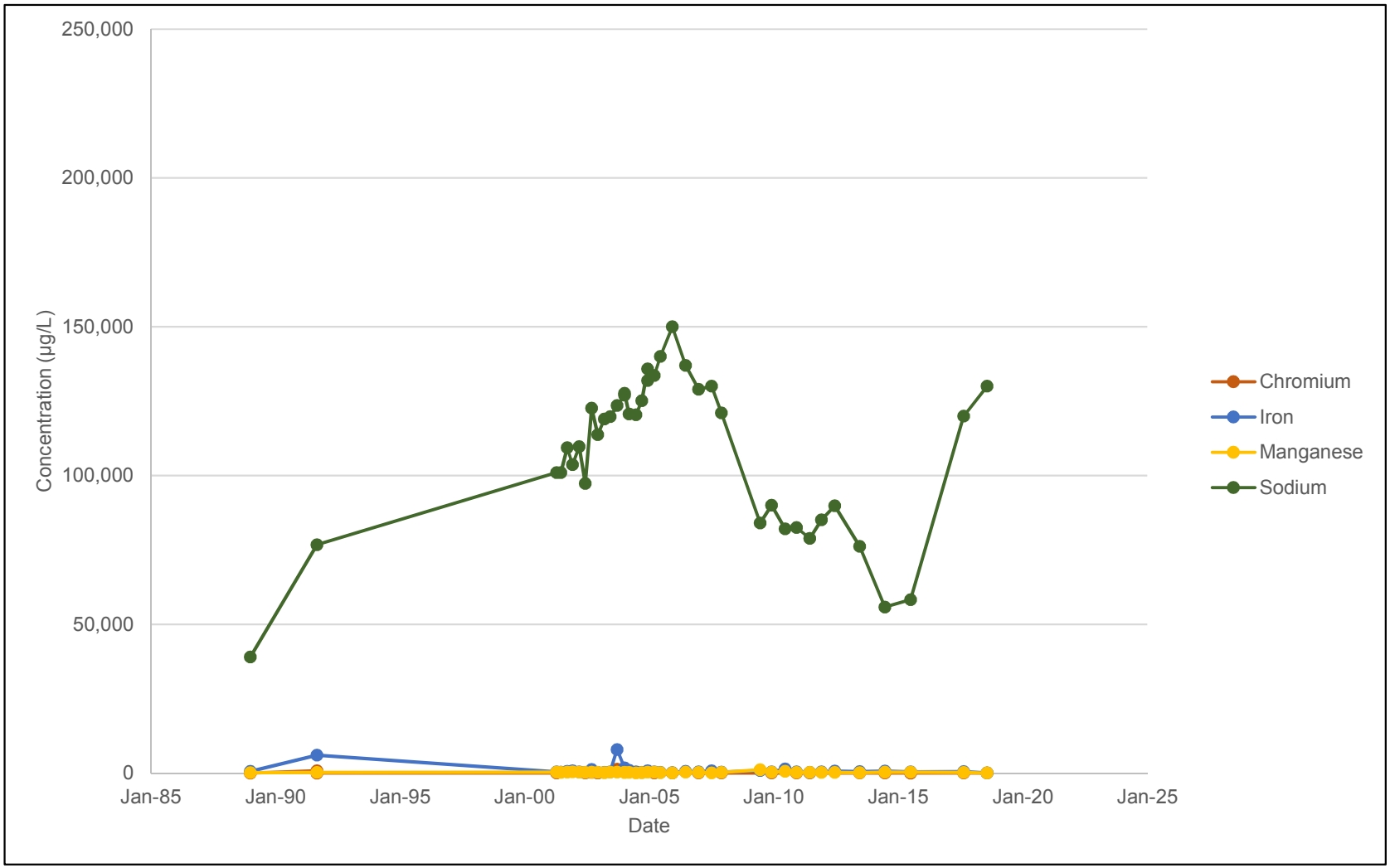
Former Plattsburgh Air Force Base
Plattsburgh, New York
Landfill LF023

MW-23-009



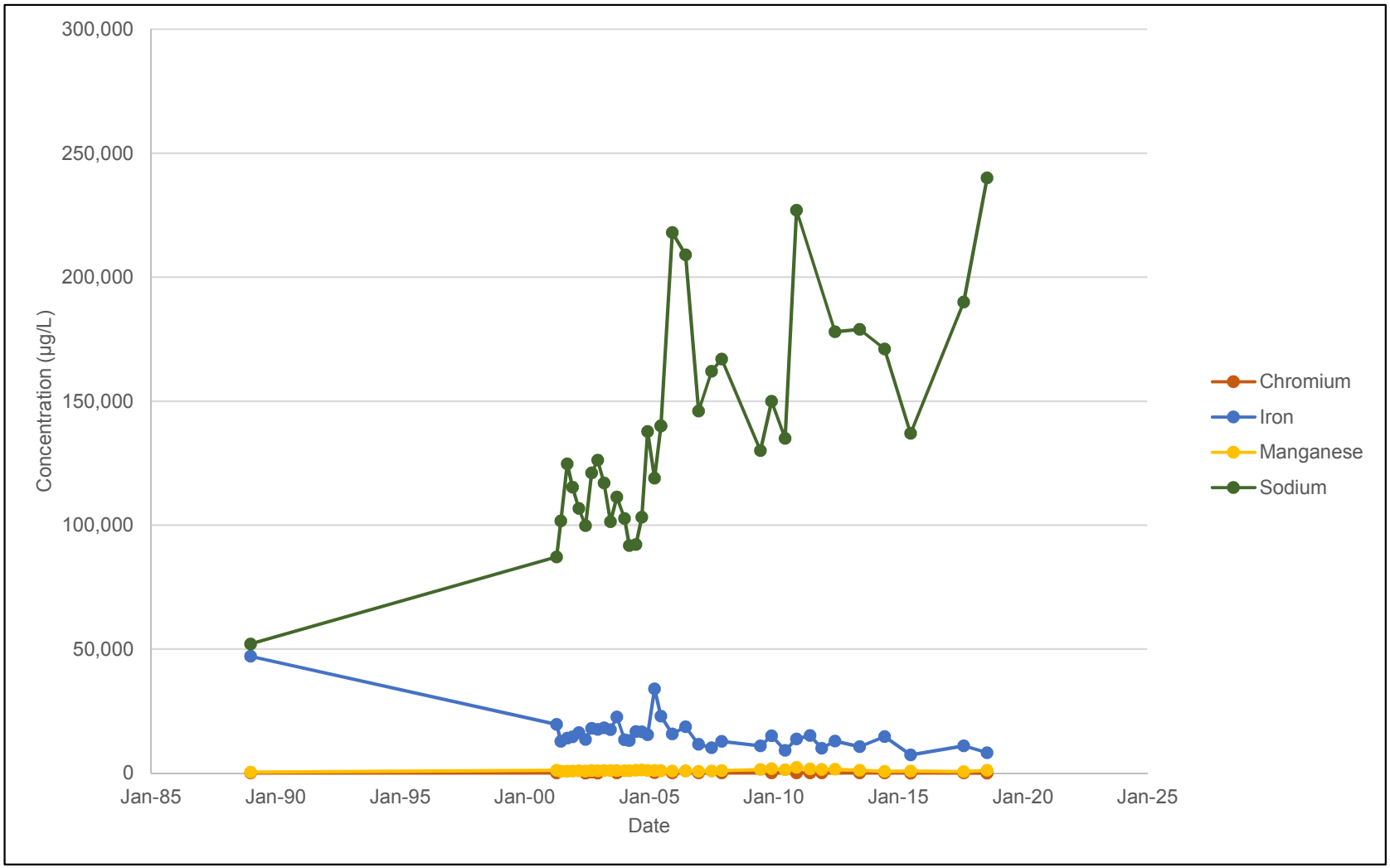
Former Plattsburgh Air Force Base
Plattsburgh, New York
Landfill LF023

MW-23-010



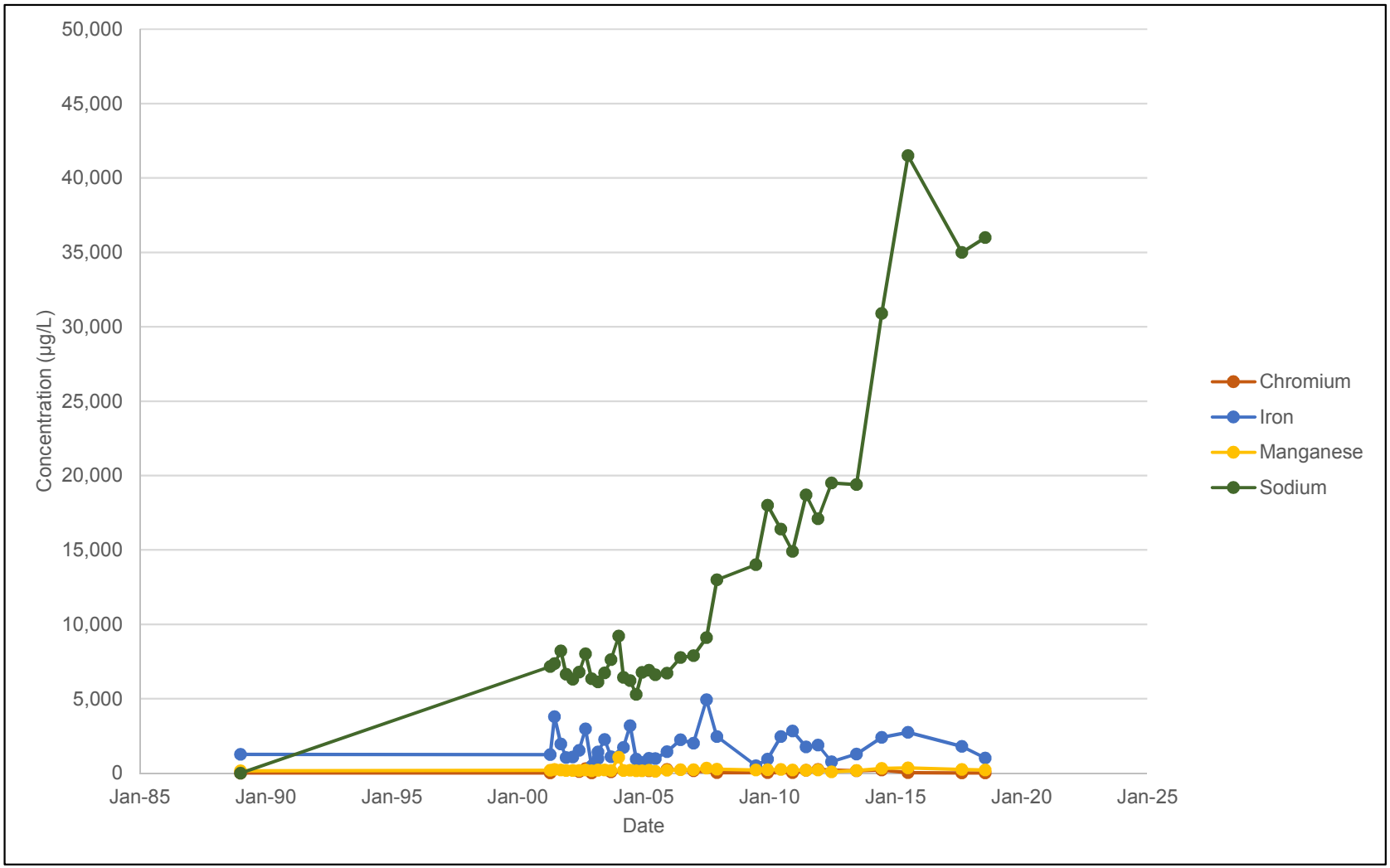
Former Plattsburgh Air Force Base
Plattsburgh, New York
Landfill LF023

MW-23-011



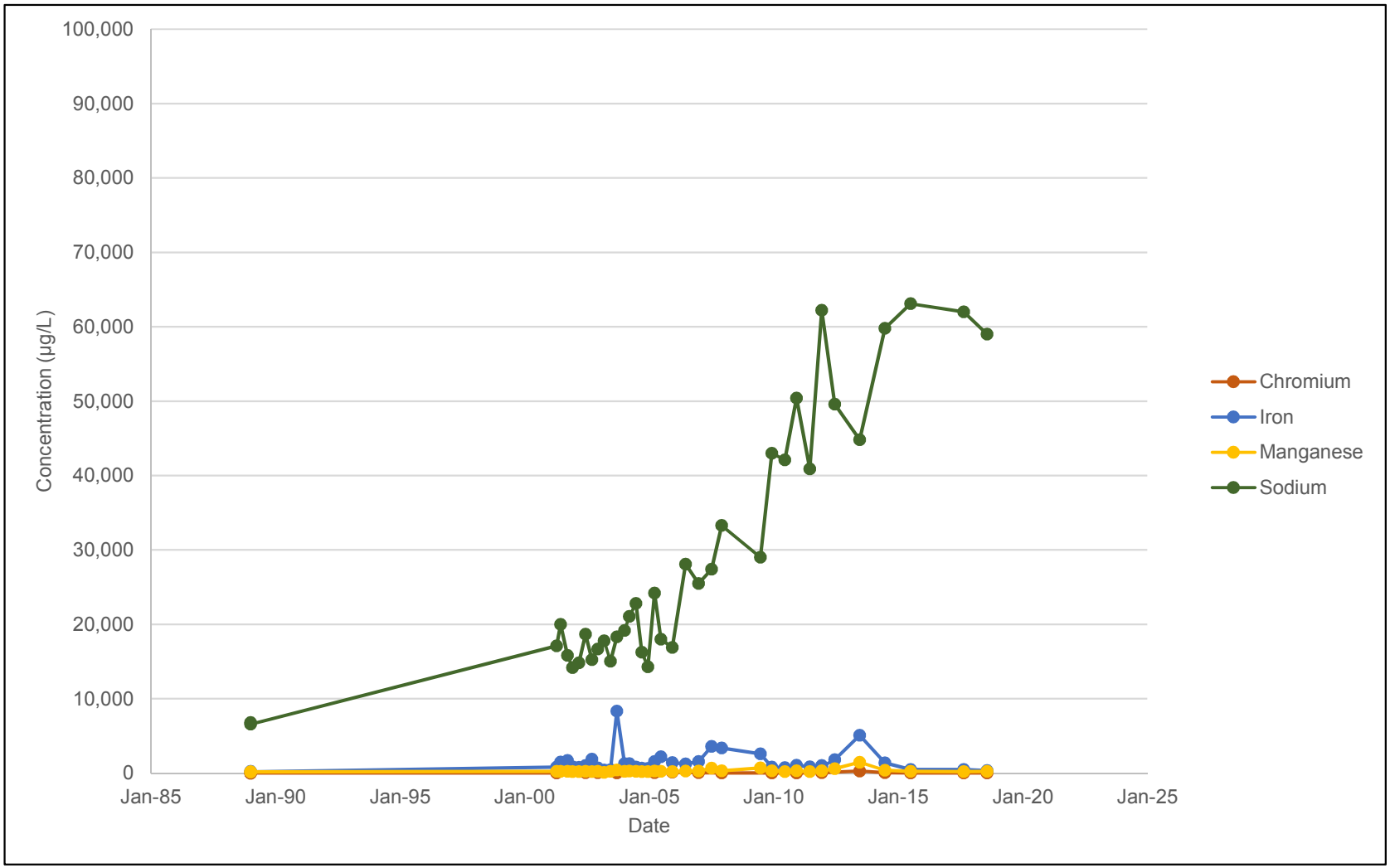
Former Plattsburgh Air Force Base
Plattsburgh, New York
Landfill LF023

MW-23-012



Former Plattsburgh Air Force Base
Plattsburgh, New York
Landfill LF023

MW-23-013



APPENDIX B-7

Landfill LF024

Appendix B-7
Groundwater Analytical Data, Landfill LF024
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-24-001	MW-24-001	MW-24-001	MW-24-001	MW-24-001	MW-24-001	MW-24-001	MW-24-001	MW-24-001	MW-24-001	MW-24-001	MW-24-001	MW-24-001	MW-24-001	MW-24-001	MW-24-001
		Sample Date	1/7/1993	12/7/1994	12/7/1994	6/8/2001	11/13/2001	5/23/2002	11/20/2002	5/22/2003	11/19/2003	5/20/2004	5/25/2005	6/14/2006	7/17/2007	6/26/2009	6/28/2010	6/23/2012
		Sample Type	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**																
Aluminum	D	µg/L	NA	**38**	< 35.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	µg/L	**75.1**	**234**	**225**	**180 F**	**83.7 MF**	**204 J**	**209 M**	**51 M**	**1336 M**	< 200 U	**9530 M**	**283 J**	**80 F**	**5200 M**	**829 J**	< 100 U
Antimony	D	µg/L	NA	< 25.3 U	< 25.3 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	µg/L	< 12	**29.3 B**	< 25.3 U	**3.46 F**	< 50 U	< 50 U	< 50 U	**3.8 F**	< 50 U	< 50 U	< 50 UM	< 50 U	< 50 U	< 2 U	< 1 U	< 1 U
Arsenic	D	µg/L	NA	< 2 U	< 2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	µg/L	< 2	< 2 U	< 2 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	**1.2 F**	**0.676 F**	**0.961 F**
Barium	D	µg/L	NA	**34.6 B**	**24.9 B**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	µg/L	< 40	**7.9 B**	**6.9 B**	**4.4 F**	**5.1 F**	**5.38 F**	**5.3 F**	**3.6 F**	**13.2 F**	**3.3 F**	**13.8 J**	**6.29 F**	**4.25 F**	**35**	**15 J**	**4.49 F**
Beryllium	D	µg/L	NA	< 0.2 U	< 0.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	µg/L	< 1	< 0.2 U	< 0.2 U	< 5 U	< 5 U	< 5 U	< 4 U	< 4 U	< 4 U	< 4 U	**0.41 F**	< 4 U	< 4 U	< 1 U	< 2 U	< 2 U
Cadmium	D	µg/L	NA	< 2.5 U	< 2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	µg/L	< 1	< 2.5 U	< 2.5 U	< 7 U	< 7 U	< 7 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	**0.46 F**	< 0.6 U	< 0.6 U
Calcium	D	µg/L	NA	**9410**	**8450**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	µg/L	< 1000	**8900**	**9310**	**11600**	**15559**	**8722**	**9993 M**	**11597 M**	**13819**	**18237 M**	**19250**	**25600**	**18700**	**18000**	**15700 M**	**11600**
Chromium	D	µg/L	NA	< 4.8 U	< 4.8 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	µg/L	< 2	< 4.8 U	< 4.8 U	< 10 U	< 10 U	< 10 U	**0.4 F**	**1 F**	**2.9 F**	< 10 U	**2 F**	**1.72 F**	< 10 U	**8.9 J**	**2.95 J**	< 2 U
Cobalt	D	µg/L	NA	< 4.1 U	**5.1 B**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	µg/L	< 10	**6.2 B**	**6 B**	< 6 U	< 6 U	< 6 U	< 60 U	**0.5 F**	< 60 U	< 60 U	< 60 U	< 60 U	< 60 U	**1.4 J**	< 1 UJ	< 1 U
Copper	D	µg/L	NA	< 4.2 U	< 4.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	µg/L	**17.9**	< 4.2 U	< 4.2 U	< 10 U	**4.2 F**	< 10 U	< 10 U	**1.2 F**	< 10 U	< 10 U	**5 F**	< 10 U	< 10 U	**4.8 J**	**2.24 J**	< 2 U
Iron	D	µg/L	NA	**13.4 B**	**25.9 B**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	µg/L	**18.8**	**314**	**288**	**189 F**	**105 MF**	**218 J**	**630 J**	**56.7 F**	**1110**	< 200 U	**2718 M**	**96 F**	**48.8 F**	**5200 M**	**604 J**	**2390 M**
Lead	D	µg/L	NA	< 1 U	< 1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	µg/L	< 0.6	**1 B**	**1.2 B**	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	**4 F**	< 25 U	< 25 U	**4.1**	**1.57**	**0.78 F**
Magnesium	D	µg/L	NA	**1900 B**	**1710 B**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	µg/L	< 1000	**1810 B**	**1850 B**	**1370**	**4319**	**1198**	**1322**	**1416**	**1563 J**	**1620**	**3390**	**3190**	**2320**	**4100**	**2190 J**	**1870**
Manganese	D	µg/L	NA	**7.7 B**	**8.3 B**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	µg/L	**4.1**	**9.8 B**	**10.7 B**	**3.1 F**	**4 F**	**2.55 F**	**5.9 F**	**4.9 M**	**11.5**	< 10 U	**15 J**	**1.16 F**	**8 F**	**37**	**14.6 M**	**20.4**
Mercury	D	µg/L	NA	< 0.2 U	< 0.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	µg/L	< 0	< 0.2 U	< 0.2 U	< 1 UM	< 0.4 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.2 U	< 0.2 U	< 0.2 U
Nickel	D	µg/L	NA	< 8.4 U	< 8.4 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	µg/L	< 8	< 8.4 U	< 8.4 U	< 10 U	< 10 U	< 10 U	< 20 U	< 20 U	< 20 U	< 20 U	**2 F**	< 20 U	< 20 U	**4.5 J**	**2.23 J**	< 4 U
Potassium	D	µg/L	NA	**2130 B**	**2290 B**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	µg/L	< 1000	**2160 B**	**2310 B**	**1180**	**1577**	**502**	**1213**	**895 F**	**1182**	**743 F**	**1020**	**959 F**	**982 F**	**2100**	**912 F**	**1500**
Selenium	D	µg/L	NA	< 2 U	< 2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	µg/L	< 1	< 2 U	< 2 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	**0.83 F**	< 1 U	< 1 U
Silver	D	µg/L	NA	< 3	< 3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	µg/L	< 2	< 3	< 3	< 10 UM	< 10 UM	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	**1.33 F**	< 10 U	< 1 U	< 1 U	< 1 U
Sodium	D	µg/L	NA	**5120**	**5320**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	µg/L	< 1000	**4820 B**	**4870 B**	**2770 J**	**2330 J**	**3389**	**2677**	**3256**	**3083**	**3847**	**6940**	**5860**	**2840**	**3000**	**2870 J**	**2760**
Thallium	D	µg/L	NA	< 5 U	< 1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	µg/L	< 2	< 1 U	< 1 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	**20 F**	< 80 U	< 80 U	< 80 U	< 1 U	< 0.2 U	< 0.2 U
Vanadium	D	µg/L	NA	< 3.6 U	< 3.6 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	µg/L	< 10	< 3.6 U	< 3.6 U	< 10 U	< 10 U	< 10 U	**2 F**	**2.1 F**	**3.7 F**	**4.5 F**	**2 F**	< 10 U	< 10 U	**8.7**	**2.08 J**	**3.17 J**
Zinc	D	µg/L	NA	**29.1**	**25**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	µg/L	**13**	**182**	**146**	**9.45 F**	**4 F**	**7.3 F**	**3.5 F**	**3.5 F**	**5.5 F**	**3.2 F**	**20**	**21.5**	< 20 U	**17 J**	**8.32 F**	< 20 UJ

Appendix B-7
Groundwater Analytical Data, Landfill LF024
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-24-001	MW-24-001	MW-24-001	MW-24-002R	MW-24-002R	MW-24-002R	MW-24-002R	MW-24-002R	MW-24-002R	MW-24-002R	MW-24-002R	MW-24-002R	MW-24-002R	MW-24-002R	MW-24-002R	MW-24-002R
		Sample Date	7/8/2014	7/8/2014	8/2/2018	6/8/2001	6/8/2001	11/13/2001	11/13/2001	5/23/2002	5/23/2002	11/20/2002	11/20/2002	5/22/2003	11/19/2003	5/20/2004	5/24/2005	6/14/2006
		Sample Type	N	FD	N	N	FD	N	FD	N	FD	N	FD	N	N	N	N	N
Chemical	**Fraction**	**Unit**																
Aluminum	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	µg/L	< 100 U	< 100 U	**140**	**2530 J**	**3370 J**	**476 M**	**1838 M**	**240 J**	**893 J**	**685 M**	**1014 M**	**486 M**	**736 M**	**112 F**	**1080 M**	**2870 J**
Antimony	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	µg/L	< 1 U	< 1 U	< 1.0	< 50 U	**5.91 F**	**3.9 F**	**8 F**	**13.5 F**	**11.7 F**	**7.4 F**	**7.8 F**	< 50 U	< 50 U	< 50 U	< 50 UM	< 50 U
Arsenic	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	µg/L	< 1 U	< 1 U	< 1.0	< 30 U	**4.91 F**	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	**12.4 F**	**15.3 F**	**12.3 F**	**4 F**	**3.52 F**
Barium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	µg/L	**4.01 F**	**4.89 F**	**6.1**	**69**	**75.4**	**16.4 J**	**38.7 J**	**21.7 J**	**32.6 J**	**152**	**179**	**50.5**	**125**	**24.1 F**	**75 J**	**71.7**
Beryllium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	µg/L	< 2 U	< 2 U	< 0.30	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	**0.16 F**	**0.15 F**
Cadmium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	µg/L	< 0.6 U	< 0.6 U	< 1.0	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	< 7 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Calcium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	µg/L	**18600 M**	**18900 M**	**11000**	**96700**	**99700**	**105761**	**108806**	**128603**	**140462**	**173780 M**	**166732 M**	**124566 M**	**160609**	**106596 M**	**114400**	**80900**
Chromium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	µg/L	< 2 U	< 2 U	**0.70**	**4.58 F**	**5.43 F**	< 10 U	**2.6 F**	< 10 U	**2.2 F**	**1.7 F**	**2.4 F**	< 10 U	**2.4 F**	< 10 U	**4 F**	**7.09 F**
Cobalt	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	µg/L	< 1 U	< 1 U	**0.18**	**3.24 F**	**3.48 F**	< 6 U	**2.6 F**	< 6 U	**2.26 F**	**1 F**	**0.9 F**	**2.6 F**	**1.3 F**	< 60 U	< 60 U	**2.48 F**
Copper	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	µg/L	< 2 U	< 2 U	**0.60**	**9.54 F**	< 10 U	**3.9 F**	**5.5 F**	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	**2 F**	**7.99 F**
Iron	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	µg/L	**31.1 M**	**37.2 M**	**670**	**5920 J**	**7490 J**	**1016 M**	**3047 M**	**1238 J**	**2214 J**	**19467 J**	**26979 J**	**5189**	**31418**	**1602**	**11188 M**	**10500**
Lead	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	µg/L	< 1 U	< 1 U	**0.94**	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	**2.8 F**	< 25 U	< 25 U	**3.1 F**	**2.09 F**
Magnesium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	µg/L	**2900 M**	**2970 M**	**1500**	**28400**	**29400**	**19336**	**20411**	**22394**	**24329**	**21642**	**20354**	**17372**	**20247 J**	**12780**	**14020**	**9740**
Manganese	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	µg/L	< 10 UM	< 10 UM	**7.9**	**1340**	**1360**	**5930**	**7018**	**12914**	**14659**	**12516**	**11176**	**14952 M**	**16430**	**11137**	**13389 J**	**6300**
Mercury	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	µg/L	< 0.2 U	< 0.2 U	< 0.080	< 1 UM	< 1 UM	< 0.4 U	< 0.4 U	< 1 U	**0.11 F**	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.012 U	< 1 U
Nickel	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	µg/L	< 4 U	< 4 U	**0.32**	**3.45 F**	**4.37 F**	**5.1 F**	**7.7 F**	< 10 U	< 10 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	**3 F**	**12.5 F**
Potassium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	µg/L	**1230**	**1100**	**1700**	**3630**	**3980**	**2838**	**3354**	**3123**	**3417**	**7313**	**7445**	**4182**	**6153**	**3718**	**4950**	**4940**
Selenium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	µg/L	< 1 U	< 1 U	< 2.0	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	**14.7 F**	**10.4 F**	< 30 U	**24.7 F**	< 30 U	< 150 U	< 30 U
Silver	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	µg/L	< 1 U	< 1 U	< 0.10	< 10 UM	< 10 UM	< 10 UM	< 10 UM	< 10 U	< 10 U	< 10 U	< 10 U	**1 F**	< 10 U	< 10 U	< 10 U	< 10 U
Sodium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	µg/L	**2890 M**	**3320 M**	**2100**	**12200 J**	**12500 J**	**11007 J**	**11182 J**	**9627**	**9932**	**8753**	**8522**	**9017**	**7991**	**7621**	**6920**	**6360**
Thallium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	µg/L	< 0.2 U	< 0.2 U	< 0.20	< 80 U	< 80 U	**9.8 F**	**6.1 F**	**16.3 F**	**18.9 F**	**108**	**94.5**	**9.2 F**	**11.1 F**	**37 F**	< 400 U	< 80 U
Vanadium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	µg/L	< 1 U	< 1 U	**0.85**	**6.99 F**	**9.28 F**	< 10 U	**3.3 F**	< 10 U	**3.8 F**	< 10 U	< 10 U	**2.8 F**	**4 F**	**3.4 F**	**3 F**	**6.34 F**
Zinc	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	µg/L	**5.01 F**	**10.2 F**	**3.8**	**22.8**	**23.6**	**20.7 J**	**48.6 J**	< 10 U	**8.3 F**	**7.1 F**	**11.2 F**	< 20 U	**8.9 F**	< 20 U	**16 F**	**71.8**

Appendix B-7
Groundwater Analytical Data, Landfill LF024
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-24-002R	MW-24-002R	MW-24-002R	MW-24-002R	MW-24-002R	MW-24-002R	MW-24-003R	MW-24-003R	MW-24-003R	MW-24-003R	MW-24-003R	MW-24-003R	MW-24-003R	MW-24-003R	MW-24-003R	MW-24-003R
		Sample Date	7/19/2007	6/26/2009	8/31/2010	6/23/2012	7/9/2014	8/1/2018	6/8/2001	11/13/2001	5/23/2002	11/20/2002	5/22/2003	5/22/2003	11/19/2003	11/19/2003	5/20/2004	5/20/2004
		Sample Type	N	N	N	N	N	N	N	N	N	N	N	FD	N	FD	N	FD
Chemical	**Fraction**	**Unit**																
Aluminum	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	µg/L	**2350**	**6100 M**	**5640**	**116**	< 100 U	**670**	**2520 J**	**1131 M**	**665 J**	**594 M**	**562 M**	**758 M**	**2101 M**	**1142 M**	**148 F**	**273**
Antimony	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	µg/L	< 50 U	< 2 U	**3.76**	< 1 U	< 1 U	< 1.0	**4.68 F**	< 50 U	**11.4 F**	**7.7 F**	**4.2 F**	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
Arsenic	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	µg/L	< 30 U	**4.3 F**	**106**	**2.91**	**5.44**	**12**	< 30 U	< 30 U	< 30 U	< 30 U	**9.2 F**	< 30 U	**13.9 F**	**13 F**	**13.4 F**	**12.4 F**
Barium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	µg/L	**52.7**	**98**	**97.4**	**65.7**	**61.7**	**140**	**121**	**91 J**	**114 J**	**154**	**145**	**150**	**166**	**152**	**136**	**138**
Beryllium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	µg/L	< 4 U	< 1 U	< 2 U	< 2 U	< 2 U	< 0.30	< 5 U	< 5 U	< 5 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U
Cadmium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	µg/L	< 5 U	**0.31 F**	< 0.6 U	**2.27**	< 0.6 U	< 1.0	< 7 U	< 7 U	< 7 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Calcium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	µg/L	**103000**	**97000**	**90700 B**	**90900**	**108000 M**	**54000**	**111000**	**105573**	**121692**	**170771 M**	**167599 M**	**172098 M**	**166689**	**165037**	**168762 M**	**170302 M**
Chromium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	µg/L	**8.09 F**	**9.8 J**	**13.7**	**1.17 F**	< 2 U	**3.2**	**3 F**	**3.8 F**	< 10 U	**1.6 F**	**1 F**	**1.3 F**	**4.9 F**	**4 F**	**1.6 F**	**2.5 F**
Cobalt	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	µg/L	< 10 U	**5.5 J**	**6.83**	**0.626 F**	**1.76**	**1.3**	**4.3 F**	< 6 U	< 6 U	< 60 U	**0.9 F**	**0.9 F**	**1.5 F**	< 60 U	< 60 U	< 60 U
Copper	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	µg/L	**2.95 F**	**8.2 J**	**10.9**	**5.33**	< 2 U	**3.2**	< 10 U	**5.1 F**	< 10 U	< 10 U	< 10 U	< 10 U	**3.6 F**	< 10 U	**6 F**	**6.8 F**
Iron	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	µg/L	**6060**	**13000 M**	**10700**	**30400 M**	**11100 M**	**23000**	**25500 J**	**20385 M**	**29382 J**	**34406 J**	**37116**	**42424**	**42759**	**40835**	**41427**	**47846**
Lead	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	µg/L	< 25 U	**3.1**	**6.07**	**0.552 F**	< 1 U	**2.2**	< 25 U	**2.6 F**	< 25 U	< 25 U	**4.4 F**	**3.5 F**	< 25 U	< 25 U	< 25 U	< 25 U
Magnesium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	µg/L	**13200**	**15000**	**12700**	**8800**	**14100 M**	**5200**	**18700**	**19302**	**20419**	**26634**	**25374**	**25372**	**22862 J**	**21921 J**	**17886**	**17496**
Manganese	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	µg/L	**13000**	**13000**	**11500**	**715**	**12500 M**	**1700**	**1050**	**804**	**1160**	**1543**	**1403 M**	**1484 M**	**1596**	**1567**	**1333**	**1430**
Mercury	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	µg/L	< 1 U	**0.048 F**	**0.144 F**	< 0.2 U	< 0.2 U	< 0.080	< 1 UM	< 0.4 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Nickel	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	µg/L	**3.8 F**	**13 J**	**17.6**	**5.64**	**2.42 F**	**3.1**	**3.27 F**	< 10 U	< 10 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Potassium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	µg/L	**5130**	**5400**	**4590**	**4290**	**2910**	**16000**	**6180**	**5594**	**5978**	**7893**	**6985**	**7410**	**8336**	**8256**	**7720**	**7953**
Selenium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	µg/L	**6.33 F**	< 5 U	**0.706 F**	< 1 U	< 1 U	< 2.0	< 30 U	< 30 U	< 30 U	**9.8 F**	< 30 U	< 30 U	**14.1 F**	**8.2 F**	< 30 U	< 30 U
Silver	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	µg/L	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.10	< 10 UM	< 10 UM	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
Sodium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	µg/L	**8410**	**8300**	**7840 B**	**4630**	**8260 M**	**2800**	**7660 J**	**8175 J**	**7612**	**9081**	**7991**	**8023**	**7936**	**7865**	**7567**	**7557**
Thallium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	µg/L	< 80 U	**0.089 F**	**0.129 F**	< 0.2 U	< 0.2 U	< 0.20	< 80 U	< 80 U	**9 F**	**16.1 F**	**6.4 F**	**9.4 F**	< 80 U	< 80 U	**47.3 F**	**44.7 F**
Vanadium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	µg/L	**4.71 F**	**11**	**13.8**	**1.2 J**	**0.65 F**	**1.6**	**11.8**	**10.5**	< 10 U	< 10 U	< 10 U	**2.6 F**	**6.2 F**	< 10 U	**3.7 F**	**5.5 F**
Zinc	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	µg/L	**13.6 F**	**82 J**	**25.5**	**42.4 J**	< 20 U	**24**	**21.8**	**22.5 J**	**13.2**	**11 F**	**7.9 F**	**11 F**	**34.6**	**17.3 F**	**5.7 F**	**7.4 F**

Appendix B-7
Groundwater Analytical Data, Landfill LF024
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-24-003R	MW-24-003R	MW-24-003R	MW-24-003R	MW-24-003R	MW-24-003R	MW-24-003R	MW-24-003R	MW-24-003R	MW-24-003R	MW-24-003R	MW-24-003R	MW-24-004R	MW-24-004R	MW-24-004R	MW-24-004R
		Sample Date	5/24/2005	5/24/2005	6/14/2006	6/14/2006	7/19/2007	7/19/2007	6/26/2009	6/26/2009	6/28/2010	6/23/2012	7/8/2014	8/2/2018	6/8/2001	11/13/2001	5/23/2002	11/20/2002
		Sample Type	N	FD	N	FD	N	FD	N	FD	N	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**																
Aluminum	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	µg/L	**320 M**	**1270 M**	**474 J**	**1100 J**	**133 F**	**77.5 F**	**2200 M**	**1500 M**	< 100 UJ	< 100 U	< 100 U	**40**	**3240 J**	**854 M**	**1304 J**	**232 M**
Antimony	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	µg/L	< 50 UM	< 50 UM	< 50 U	< 50 U	**1.69 F**	< 50 U	< 2 U	< 2 U	< 1 U	< 1 U	< 1 U	< 1.0	**4.47 F**	**5.5 F**	**10.6 F**	**8.2 F**
Arsenic	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	µg/L	< 30 U	< 30 U	**2.27 F**	**3.38 F**	< 30 U	< 30 U	**2.4 F**	**1.4 F**	**2.96**	**3.93**	**4.65**	**11**	< 150 U	< 30 U	< 30 U	< 30 U
Barium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	µg/L	**114 J**	**118 J**	**104**	**119**	**115**	**124**	**120**	**110**	**85.2 J**	**82.9**	**113**	**180**	**51.4**	**50.2 J**	**51 J**	**45.1 F**
Beryllium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	µg/L	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 1 U	< 1 U	< 2 U	< 2 U	< 2 U	< 0.30	< 5 U	< 5 U	< 5 U	< 4 U
Cadmium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	µg/L	< 5 U	< 5 U	< 5 U	**0.33 F**	< 5 U	< 5 U	**0.33 F**	**0.16 F**	< 0.6 U	< 0.6 U	**0.461 F**	**2.3**	< 35 U	< 7 U	< 7 U	< 5 U
Calcium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	µg/L	**135700**	**140200**	**135000**	**137000**	**128000**	**127000**	**130000**	**130000**	**142000 M**	**124000**	**156000 M**	**110000**	**128000**	**72214**	**70319**	**67987 M**
Chromium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	µg/L	**1 F**	**3 F**	**2.03 F**	**3.54 F**	< 10 U	< 10 U	**3.3 J**	**2.3 J**	**2.8 J**	**1.22 F**	< 2 U	**1.8**	< 50 U	**2.3 F**	**3.1 F**	**1.1 F**
Cobalt	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	µg/L	< 60 U	< 60 U	< 60 U	**1.8 F**	< 50 U	< 60 U	**2.2 J**	**1.6 J**	**0.971 J**	< 1 U	< 1 U	**0.51**	**4.26 F**	**2.2 F**	< 6 U	**0.9 F**
Copper	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	µg/L	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	**3.4 J**	**2.3 J**	**2.25 J**	**4.33**	< 2 U	**1.8**	< 10 U	**3.4 F**	< 10 U	< 10 U
Iron	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	µg/L	**29157 M**	**35696 M**	**33400**	**39400**	**24400**	**21100**	**37000 M**	**32000 M**	**28500 J**	**39000 M**	**46700 M**	**32000**	**4370 J**	**4204 M**	**2918 J**	**989 J**
Lead	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	µg/L	**1 F**	**1.9 F**	< 25 U	< 25 U	< 25 U	< 25 U	**2.8**	**2 F**	< 1 U	< 1 U	< 1 U	**1.6**	< 125 U	< 25 U	< 25 U	< 25 U
Magnesium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	µg/L	**16310**	**16920**	**14600**	**14700**	**13500**	**13200**	**16000**	**15000**	**13300 J**	**11800**	**14900 M**	**17000**	**23500**	**21130**	**21758**	**20994**
Manganese	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	µg/L	**1029 J**	**1082 J**	**950**	**1000**	**992**	**989**	**950**	**990**	**987 M**	**933**	**999 M**	**4700**	**14500**	**1451**	**761**	**616**
Mercury	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	µg/L	< 1 U	**0.02 F**	< 1 U	< 1 U	< 1 U	< 1 U	**0.044 F**	**0.12 F**	< 0.2 U	< 0.2 U	< 0.2 U	< 0.080	< 1 UM	< 0.4 U	< 1 U	< 1 U
Nickel	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	µg/L	< 20 U	**2 F**	< 20 U	**2.24 F**	< 20 U	**1.26 F**	**3.4 J**	**2.3 J**	**7.11 J**	**5.28**	**2.2 F**	**1.4**	**10.1**	**2.6 F**	< 10 U	< 20 U
Potassium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	µg/L	**6520**	**6620**	**6830**	**7300**	**7310**	**7620**	**7100**	**6900**	**6200**	**5640**	**6460**	**4600**	**4090**	**2834**	**2762**	**3432**
Selenium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	µg/L	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 5 U	< 5 U	< 1 U	**0.572 F**	< 1 U	< 2.0	< 150 U	< 30 U	< 30 U	< 30 U
Silver	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	µg/L	**1 F**	**1 F**	< 10 U	**1.45 F**	< 10 U	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.10	**2.52 MF**	< 10 UM	< 10 U	< 10 U
Sodium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	µg/L	**6270**	**6350**	**6190**	**6350**	**6380**	**6390**	**7400**	**7000**	**6960 J**	**5830**	**7000 M**	**11000**	**11100 J**	**11500 J**	**11346**	**11418**
Thallium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	µg/L	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	**0.099 F**	**0.051 F**	< 0.2 U	< 0.2 U	< 0.2 U	< 0.20	< 400 U	**10 F**	**5.6 F**	**6.2 F**
Vanadium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	µg/L	**2 F**	**4 F**	**2.33 F**	**4.78 F**	**1.02 F**	**0.94 F**	**5.6**	**4.1 F**	**1.43 J**	**1.2 J**	**0.625 F**	**5.0**	< 50 U	**3.6 F**	< 10 U	< 10 U
Zinc	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	µg/L	**8 F**	**25**	**13.5 F**	**19.5 F**	< 20 U	< 20 U	**41 J**	**24 J**	**12.6 F**	**68 J**	**11 F**	**8.7**	< 50 U	**25.2 J**	**14.3**	**7.4 F**

Appendix B-7
Groundwater Analytical Data, Landfill LF024
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-24-004R	MW-24-004R	MW-24-004R	MW-24-004R	MW-24-004R	MW-24-004R	MW-24-004R	MW-24-004R	MW-24-004R	MW-24-004R	MW-24-004R	MW-24-004R	MW-24-005	MW-24-005	MW-24-005	MW-24-005
		Sample Date	5/22/2003	11/19/2003	5/20/2004	5/25/2005	6/14/2006	7/17/2007	6/26/2009	6/28/2010	6/28/2010	6/23/2012	7/8/2014	8/2/2018	6/8/2001	11/13/2001	5/23/2002	11/20/2002
		Sample Type	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	N
Chemical	**Fraction**	**Unit**																
Aluminum	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	µg/L	**292 M**	**629 M**	**174 F**	**60 M**	**699 J**	**133 F**	**1700 M**	**415 J**	**1740 J**	**276**	< 100 U	**320**	**518 J**	**218 M**	**134 F**	**16.8 MF**
Antimony	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	µg/L	< 50 U	< 50 U	< 50 U	< 50 UM	< 50 U	< 50 U	**0.44 F**	< 1 U	**4.18**	< 1 U	< 1 U	< 1.0	**5.19 F**	**3.5 F**	**16.4 F**	**9.3 F**
Arsenic	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	µg/L	**7.5 F**	**8.5 F**	**13.1 F**	< 30 U	< 30 U	< 30 U	< 5 U	**0.648 F**	**106**	**0.657 F**	**1.23**	**0.60**	< 150 U	< 30 U	< 30 U	< 30 U
Barium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	µg/L	**48 F**	**44.4 F**	**32.5 F**	**44.8 J**	**59.4**	**58.9**	**48**	**43.6 J**	**54.8 J**	**39.4**	**56.1**	**43**	**63.3**	**58.7 J**	**54.6 J**	**62.5**
Beryllium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	µg/L	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 1 U	< 2 U	< 2 U	< 2 U	< 2 U	< 0.30	< 5 U	< 5 U	< 5 U	< 4 U
Cadmium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	µg/L	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	**0.1 F**	**0.39 F**	**0.787**	**3.23**	**1.47**	**6.1**	< 35 U	< 7 U	< 7 U	< 5 U
Calcium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	µg/L	**71184 M**	**69708**	**61850 M**	**61630**	**64400**	**67900**	**57000**	**53700 M**	**43800 M**	**64700**	**77600 M**	**64000**	**199000**	**173777**	**158539**	**175538 M**
Chromium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	µg/L	**0.9 F**	**1.3 F**	< 10 U	**2 F**	**4.81 F**	**3.27 F**	**2.7 J**	**3 J**	**7.04 J**	**1.97 F**	< 2 U	**0.94**	< 50 U	< 10 U	< 10 U	**1.4 F**
Cobalt	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	µg/L	**1.9 F**	**1.7 F**	**0.7 F**	< 60 U	**3.8 F**	< 60 U	**0.99 J**	**1.6 J**	**2.43 J**	**1.12**	**3.43**	**1.2**	**4.78 F**	**3.3 F**	**3.3 F**	**3.4 F**
Copper	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	µg/L	< 10 U	< 10 U	< 10 U	< 10 U	**1.67 F**	< 10 U	**2.4 J**	**3.26 J**	**6.52 J**	**1.64 F**	< 2 U	**1.0**	< 10 U	**1.8 F**	< 10 U	< 10 U
Iron	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	µg/L	**864**	**1658**	**1156**	**683 M**	**2890**	**377**	**4200 M**	**1010 J**	**3440 J**	**985 M**	**2430 M**	**1600**	**1690 J**	**2094 M**	**2980 J**	**4885 J**
Lead	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	µg/L	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	**0.98 F**	**0.931 F**	**3.65**	< 1 U	< 1 U	**0.29**	< 125 U	< 25 U	< 25 U	< 25 U
Magnesium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	µg/L	**21221**	**22076 J**	**17988**	**19660**	**20000**	**18300**	**17000**	**13400 J**	**10200 J**	**15500**	**17100 M**	**14000**	**24600**	**22502**	**17155**	**21067**
Manganese	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	µg/L	**789 M**	**1049**	**881**	**972 J**	**738**	**236**	**180**	**619 M**	**753 M**	**340**	**1850 M**	**550**	**24800**	**8768**	**20077**	**19456**
Mercury	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	µg/L	< 1 U	< 1 U	< 1 U	< 0.012 U	< 1 U	< 1 U	**0.09 F**	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.080	< 1 UM	< 0.4 U	< 1 U	< 1 U
Nickel	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	µg/L	< 20 U	< 20 U	< 20 U	**2 F**	**1.55 F**	**1.45 F**	**2.2 J**	**5.7 J**	**7.57 J**	**4.74**	**4.52**	**2.0**	**7.51 F**	**5.4 F**	< 10 U	< 20 U
Potassium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	µg/L	**2955**	**3203**	**1991**	**2890**	**2060**	**2460**	**2000**	**1210**	**1420**	**1120**	**1620**	**1000**	**11500**	**11067**	**10077**	**10597**
Selenium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	µg/L	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 30 U	< 5 U	< 1 U	**0.501 F**	< 1 U	< 1 U	< 2.0	< 150 U	< 30 U	< 30 U	**16.5 F**
Silver	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	µg/L	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.10	**3.53 MF**	< 10 UM	< 10 U	< 10 U
Sodium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	µg/L	**9202**	**10965**	**8442**	**5780**	**5540**	**5890**	**7200**	**5550 J**	**4280 J**	**6840**	**6700 M**	**7400**	**13100 J**	**10243 J**	**8279**	**9670**
Thallium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	µg/L	< 80 U	< 80 U	**43.1 F**	< 80 U	< 80 U	< 80 U	< 1 U	< 0.2 U	**0.12 F**	< 0.2 U	**0.102 F**	< 0.20	< 400 U	**11 F**	**21.6 F**	**164**
Vanadium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	µg/L	< 10 U	< 10 U	< 10 U	< 10 U	**2.33 F**	< 10 U	**3.4 F**	**1.96 J**	**6.39 J**	**0.97 J**	**0.51 F**	**0.68**	< 50 U	< 10 U	**2.5 F**	< 10 U
Zinc	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	µg/L	**6.8 F**	**6.5 F**	**4.5 F**	**12 F**	**34.7**	**10.5 F**	**19 J**	**14.3 F**	**27.5**	**10.4 J**	**32.6**	**18**	< 50 U	**43.8 J**	< 10 U	**9.2 F**

Appendix B-7
Groundwater Analytical Data, Landfill LF024
Former Plattsburgh Air Force Base, Plattsburgh, New York
Fifth Five-Year Review

		Location	MW-24-005	MW-24-005	MW-24-005	MW-24-005	MW-24-005	MW-24-005	MW-24-005	MW-24-005	MW-24-005	MW-24-005	MW-24-005	MW-24-005
		Sample Date	5/22/2003	11/19/2003	5/20/2004	5/25/2005	6/14/2006	7/17/2007	6/26/2009	6/28/2010	6/23/2012	7/8/2014	8/2/2018	8/2/2018
		Sample Type	N	N	N	N	N	N	N	N	N	N	N	FD
Chemical	**Fraction**	**Unit**												
Aluminum	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum	T	µg/L	**147 M**	**176 M**	**53.8 F**	**130 M**	**95.5 J**	**48.5 F**	**280 M**	< 100 UJ	< 100 U	< 100 U	**190**	**60**
Antimony	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	T	µg/L	< 50 U	< 50 U	< 50 U	< 50 UM	< 50 U	< 50 U	< 2 U	**0.581 F**	< 1 U	< 1 U	< 1.0	< 1.0
Arsenic	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	T	µg/L	**8.3 F**	**8.4 F**	**9 F**	< 30 U	< 30 U	< 30 U	**0.43 F**	**1.78**	**2.22**	**2.65**	**52**	**7.1**
Barium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	T	µg/L	**66**	**71.2**	**49.5 F**	**95.8 J**	**88**	**107**	**110**	**99.8 J**	**93.8**	**189**	**440**	**120**
Beryllium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	T	µg/L	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 1 U	< 2 U	**0.567 F**	< 2 U	**0.12**	< 0.30
Cadmium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	T	µg/L	< 5 U	< 5 U	< 5 U	< 5 U	**0.32 F**	< 5 U	**0.78 F**	< 0.6 U	**1.42**	**3.62**	**8.3**	**4.0**
Calcium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	T	µg/L	**167412 M**	**182544**	**117667 M**	**144400**	**73100**	**108000**	**110000**	**107000 M**	**89100**	**94400 M**	**130000**	**150000**
Chromium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	T	µg/L	< 10 U	**1.4 F**	< 10 U	**1 F**	**5.55 F**	**5.82 F**	**1.1 J**	**2.92 J**	**1.54 F**	< 2 U	**7.5**	**1.7**
Cobalt	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	T	µg/L	**4.1 F**	**3.4 F**	< 60 U	< 60 U	**2.4 F**	< 60 U	**1.1 J**	**1.06 J**	**0.702 F**	**0.955 F**	**0.97**	**0.23**
Copper	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	T	µg/L	< 10 U	< 10 U	< 10 U	< 10 U	**2.21 F**	< 10 U	**1.4 J**	< 2 UJ	< 2 U	**7.27**	**11**	**0.57**
Iron	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	T	µg/L	**11166**	**6021**	**2538**	**1878 M**	**3000**	**1160**	**3000 M**	**2360 J**	**11100 M**	**8940 M**	**160000**	**64000**
Lead	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	T	µg/L	< 25 U	< 25 U	< 25 U	**3.4 F**	< 25 U	< 25 U	**0.59 F**	< 1 U	< 1 U	< 1 U	**7.4**	**0.30**
Magnesium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	T	µg/L	**18306**	**19751 J**	**12641**	**16660**	**9720**	**15200**	**16000**	**11900 J**	**15000**	**11400 M**	**19000**	**14000**
Manganese	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	T	µg/L	**16059 M**	**17428**	**11439**	**14520 J**	**6960**	**11400**	**9500**	**9300 M**	**5840**	**9290 M**	**5500**	**940**
Mercury	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	T	µg/L	< 1 U	< 1 U	< 1 U	**0.014 F**	< 1 U	< 1 U	**0.13 F**	< 0.2 U	< 0.2 U	< 0.2 U	**0.065**	< 0.080
Nickel	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	T	µg/L	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	**1.5 J**	**6.07 J**	**4.26**	**3.33 F**	**3.4**	**3.1**
Potassium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	T	µg/L	**9967**	**10825**	**7043**	**6880**	**5810**	**5910**	**5400**	**4590**	**3990**	**4100**	**5100**	**6100**
Selenium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	T	µg/L	< 30 U	**24.6 F**	< 30 U	< 150 U	< 30 U	**5.61 F**	**0.59 F**	**0.602 F**	**0.616 F**	< 1 U	< 2.0	< 2.0
Silver	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	T	µg/L	**1.3 F**	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.10	< 0.10
Sodium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	T	µg/L	**10348**	**9098**	**10006**	**7380**	**7510**	**8960**	**8400**	**7500 J**	**8010**	**6900 M**	**12000**	**7400**
Thallium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	T	µg/L	**8 F**	< 80 U	**40.6 F**	< 400 U	< 80 U	< 80 U	< 1 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.20	< 0.20
Vanadium	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	T	µg/L	**2.9 F**	< 10 U	**4.7 F**	< 10 U	< 10 U	< 10 U	**1.2 F**	**1.26 J**	**1.19 J**	**1**	**26**	**0.60**
Zinc	D	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	T	µg/L	< 20 U	< 20 U	< 20 U	**9 F**	**57.5**	**10.5 F**	**8.7 J**	< 20 U	**5.06 J**	**15.2 F**	**33**	**14**

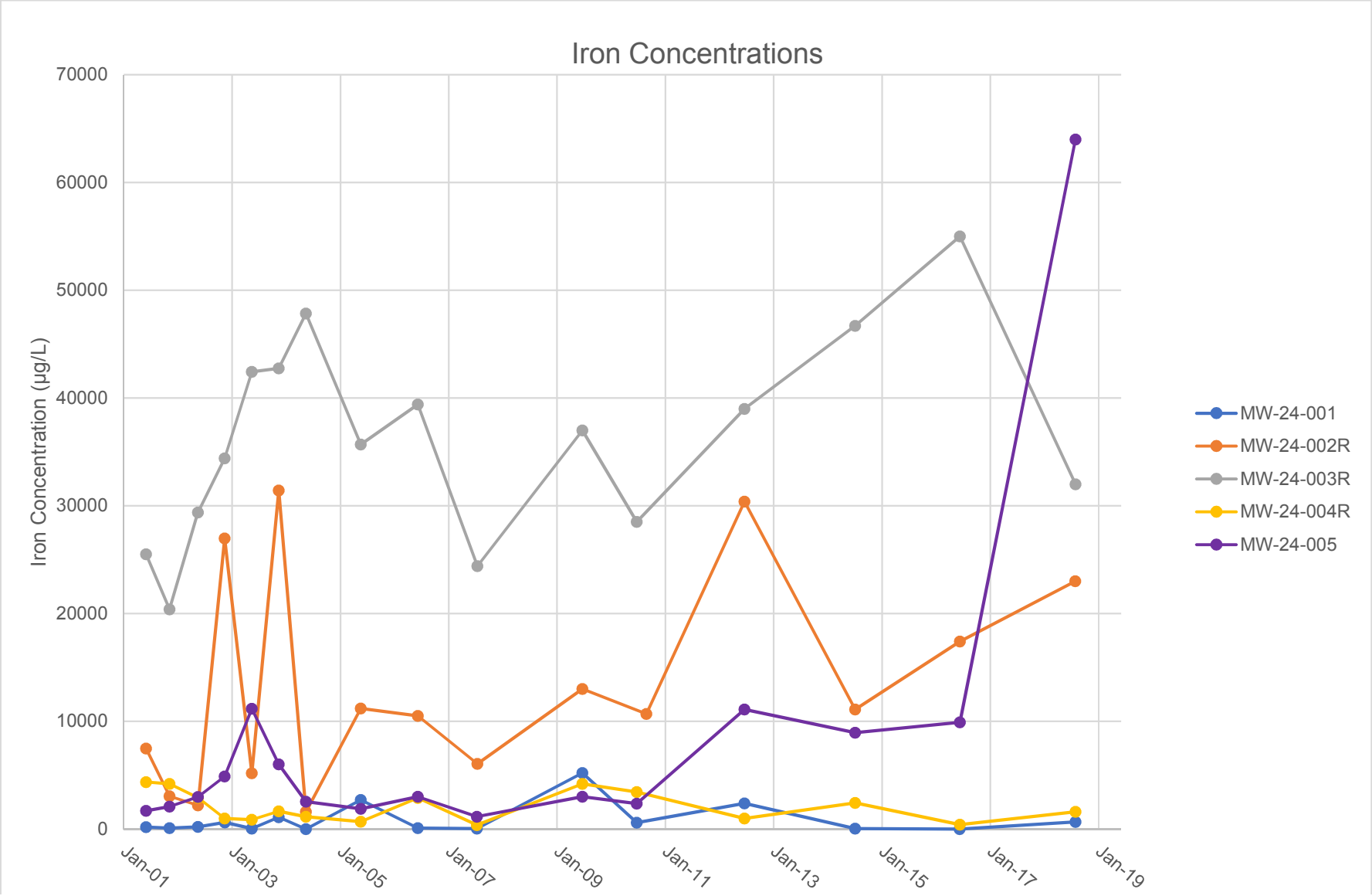
Notes:

Detections are **boldfaced**

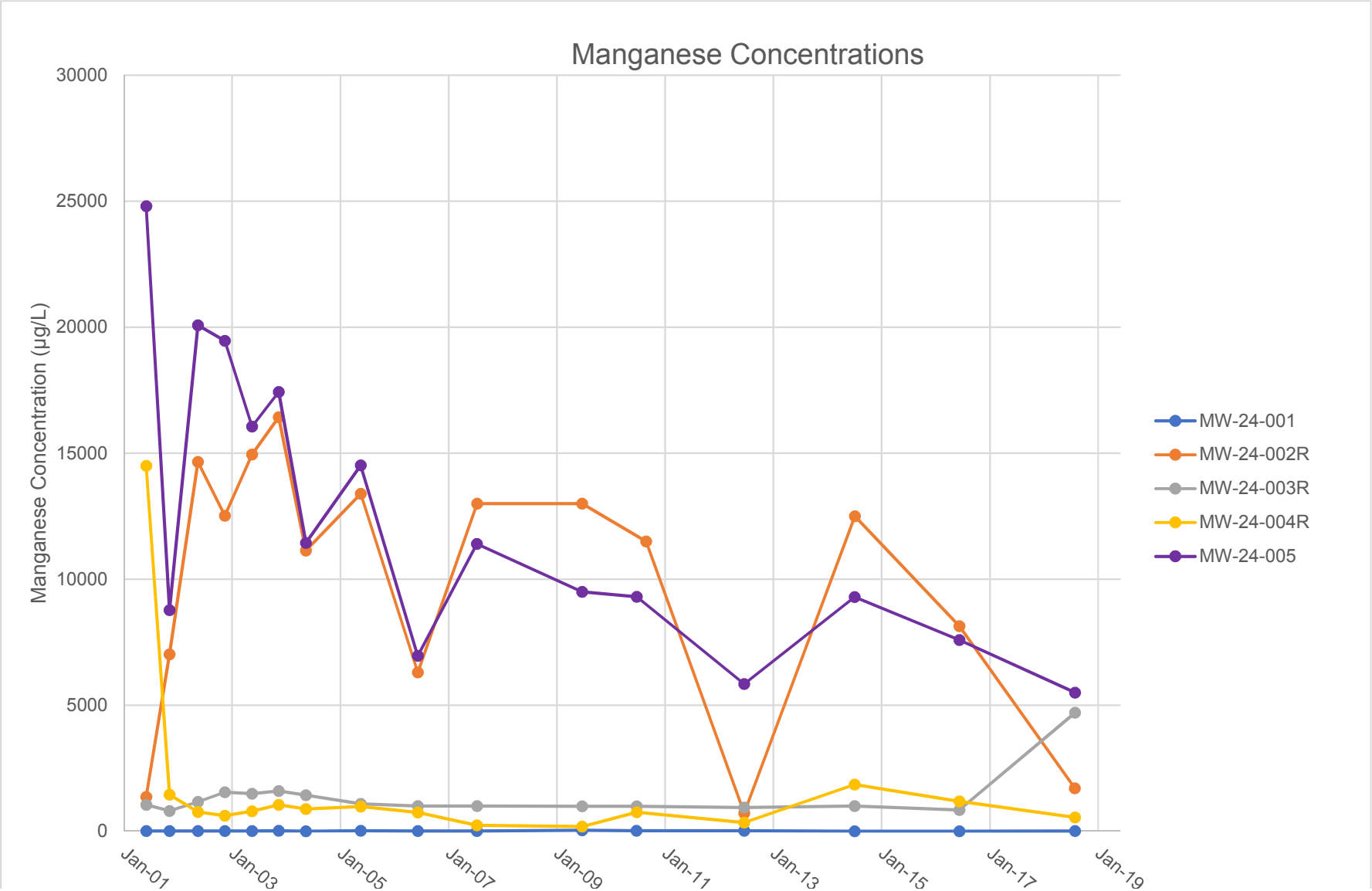
µg/L: micrograms per liter
FD: field duplicate
D: Dissolved
mg/L: miligrams per liter
N: normal (parent) sample
NA: not analyzed
T: Total

Data Qualifiers:
B: The analyte was found in the associated blank, as well as in the sample.
J: The compound was positively identified; however, the associated numerical value is an estimated concentration only.
M: The analyte in question was quantitated using peak heights rather than peak areas for both the analyte and its internal standard.
U: The compound was analyzed for but not detected. The associated value is the compound quantitation limit.
UJ: The compound was not detected above the reported sample quantitation limit. However, the reported limit is approximate and may or may not represent the actual limit of quantitation.

Former Plattsburgh Air Force Base
Plattsburgh, New York
Landfill LF024

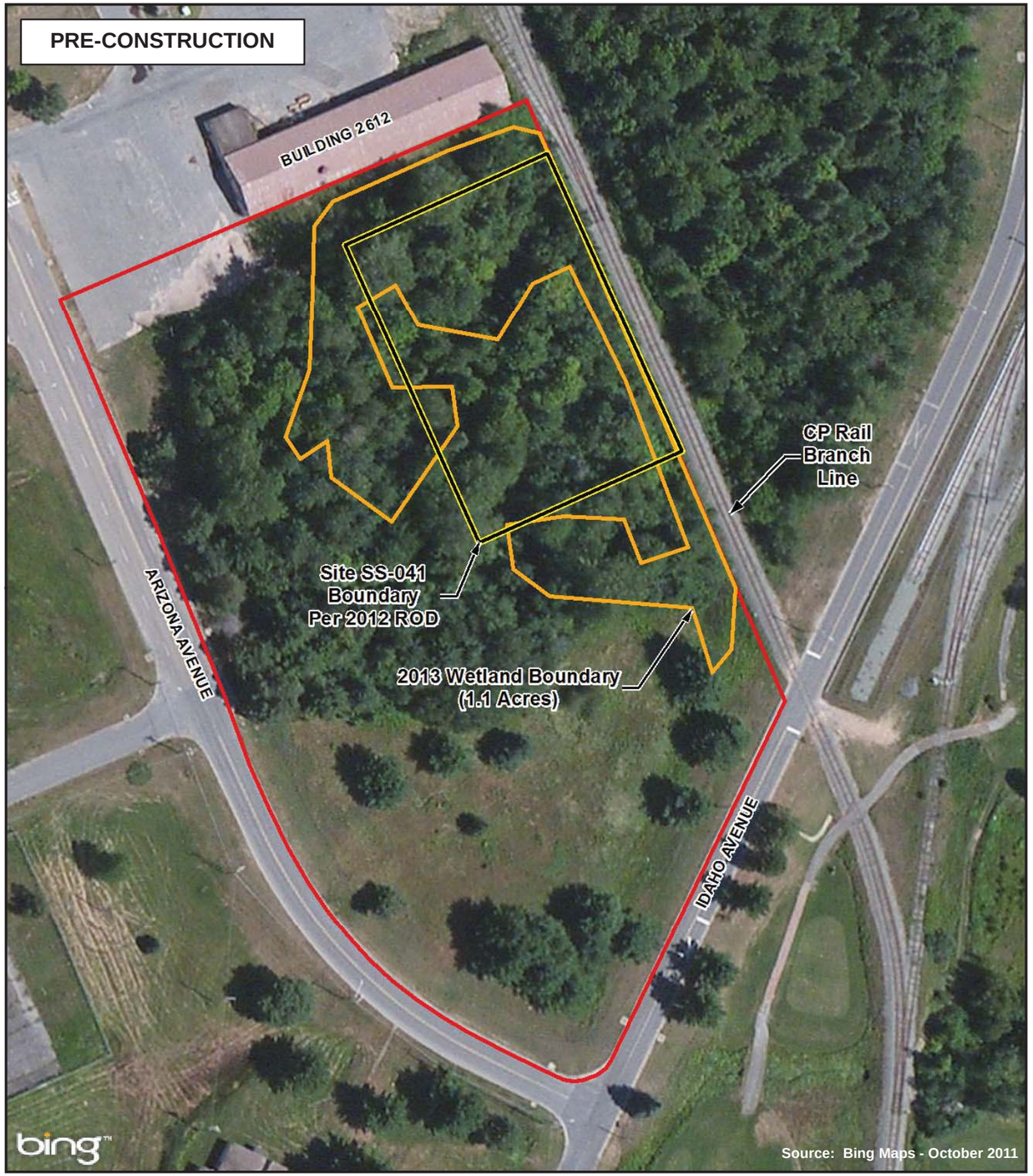


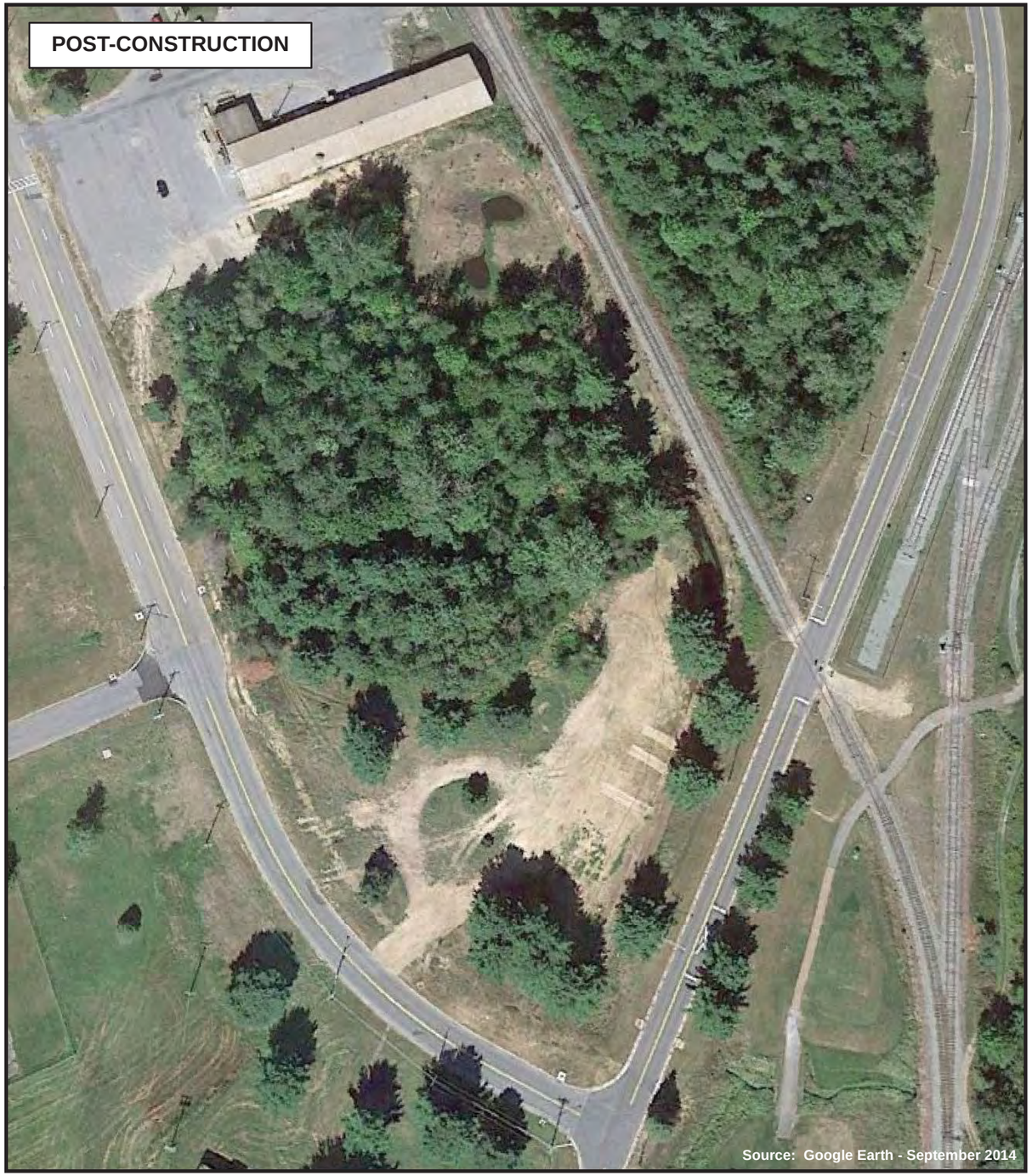
Former Plattsburgh Air Force Base
Plattsburgh, New York
Landfill LF024



APPENDIX B-8

Site SS041





Legend

Soil Remediation Project Area

100 0 100 Feet

FORMER PLATTSBURGH AIR FORCE BASE
SITE SS-041 BUILDING 2612
PRE/POST CONSTRUCTION AERIALS

URS

FIGURE 2

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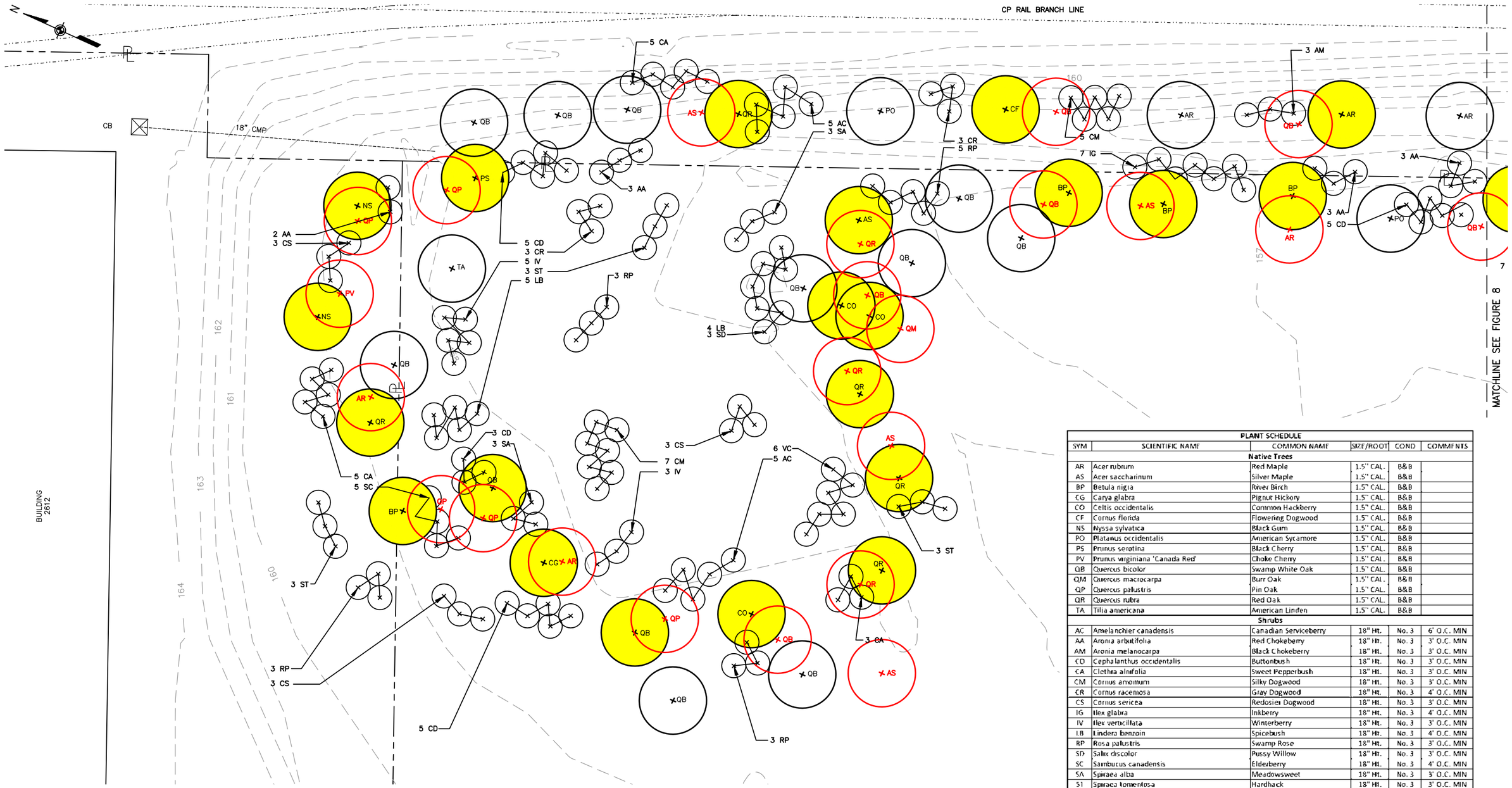

PLANT SCHEDULE					
SYM	SCIENTIFIC NAME	COMMON NAME	SIZE/ROOT	COND	COMMENTS
		Native Trees			
AR	Acer rubrum	Red Maple	1.5" CAL.	B&B	
AS	Acer saccharinum	Silver Maple	1.5" CAL.	B&B	
BP	Betula nigra	River Birch	1.5" CAL.	B&B	
CG	Carya glabra	Pignut Hickory	1.5" CAL.	B&B	
CO	Celtis occidentalis	Common Hackberry	1.5" CAL.	B&B	
CF	Cornus florida	Flowering Dogwood	1.5" CAL.	B&B	
NS	Nyssa sylvatica	Black Gum	1.5" CAL.	B&B	
PO	Platanus occidentalis	American Sycamore	1.5" CAL.	B&B	
PS	Prunus serotina	Black Cherry	1.5" CAL.	B&B	
PV	Prunus virginiana 'Canada Red'	Choke Cherry	1.5" CAL.	B&B	
QB	Quercus bicolor	Swamp White Oak	1.5" CAL.	B&B	
QM	Quercus macrocarpa	Burr Oak	1.5" CAL.	B&B	
QP	Quercus palustris	Pin Oak	1.5" CAL.	B&B	
QR	Quercus rubra	Red Oak	1.5" CAL.	B&B	
TA	Tilia americana	American Linden	1.5" CAL.	B&B	
		Shrubs			
AC	Amelanchier canadensis	Canadian Serviceberry	18" Ht.	No. 3	6' O.C. MIN
AA	Aronia arbutifolia	Red Chokeberry	18" Ht.	No. 3	3' O.C. MIN
AM	Aronia melanocarpa	Black Chokeberry	18" Ht.	No. 3	3' O.C. MIN
CD	Cephalanthus occidentalis	Buttonbush	18" Ht.	No. 3	3' O.C. MIN
CA	Clethra alnifolia	Sweet Pepperbush	18" Ht.	No. 3	3' O.C. MIN
CM	Cornus amomum	Silky Dogwood	18" Ht.	No. 3	3' O.C. MIN
CR	Cornus racemosa	Gray Dogwood	18" Ht.	No. 3	4' O.C. MIN
CS	Cornus sericea	Redosier Dogwood	18" Ht.	No. 3	3' O.C. MIN
IG	Ilex glabra	Inkberry	18" Ht.	No. 3	4' O.C. MIN
IV	Ilex verticillata	Winterberry	18" Ht.	No. 3	3' O.C. MIN
LB	Lindera benzoin	Spicebush	18" Ht.	No. 3	4' O.C. MIN
RP	Rosa palustris	Swamp Rose	18" Ht.	No. 3	3' O.C. MIN
SD	Salix discolor	Pussy Willow	18" Ht.	No. 3	3' O.C. MIN
SC	Sambucus canadensis	Elderberry	18" Ht.	No. 3	4' O.C. MIN
SA	Spiraea alba	Meadowsweet	18" Ht.	No. 3	3' O.C. MIN
ST	Spiraea tomentosa	Hardhack	18" Ht.	No. 3	3' O.C. MIN
VC	Vaccinium corymbosum	Highbush Blueberry	18" Ht.	No. 3	4' O.C. MIN

LEGEND:

- WETLAND BOUNDARY
- 160 SURFACE ELEVATION–FEET
- RAILROAD
- PROPERTY LINE
- CB CATCH BASIN
- MH MANHOLE
- UP UTILITY POLE
- CMP CORRUGATED METAL PIPE
- CG DEAD OR DYING TREES IDENTIFIED DURING SITE VISIT PERFORMED ON 9–2–2015
- AS TREE REPLACEMENTS PLANTED ON 9–17–2015

NOTES:

1. HORIZONTAL DATUM IS BASED UPON THE NEW YORK STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1927 (NAD27).
2. VERTICAL DATUM IS BASED UPON THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD29).

10' 0 10'
SCALE IN FEET

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NO.	MADE BY	APPROVED BY	DATE	DESCRIPTION

REVISIONS

DESIGNED BY: BJP
DRAWN BY: RAL
CHECKED BY: DH
PROJ. ENGR. DH

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(716)856-5636 - (716)856-2545 fax

JOB NO. 11176891

UNITED STATES AIR FORCE
AFCEC CONTRACT
NO. FA 4890-06-D-0006
DELIVERY ORDER 0005

SITE SS-041
REMEDIAL ACTION
COMPLETION REPORT

RESTORATION PLANTINGS -
NORTHERN PORTION OF SITE

Scale: AS SHOWN | Date: OCT. 2015 | FIGURE 3

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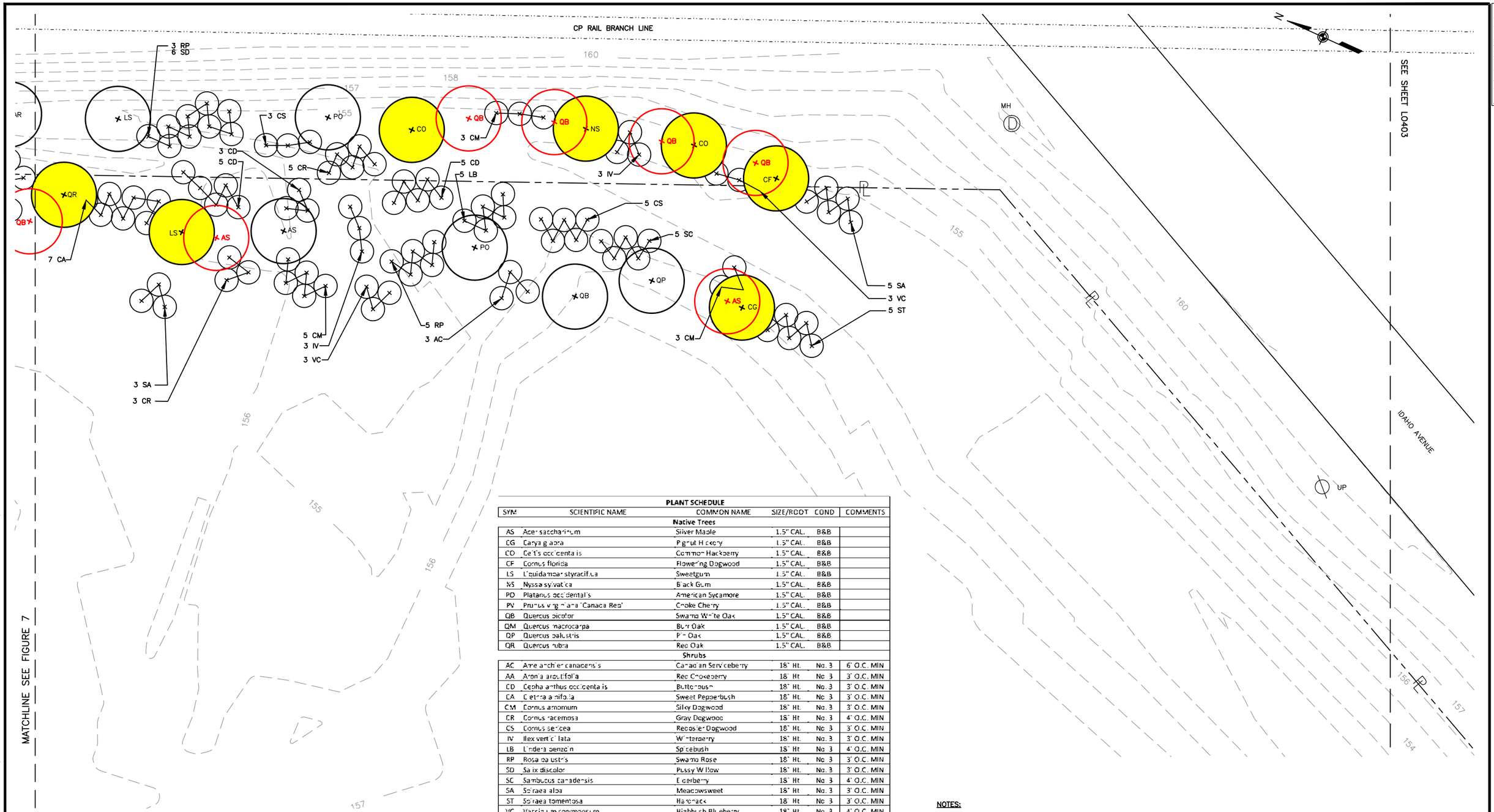

PLANT SCHEDULE

SYM	SCIENTIFIC NAME	COMMON NAME	SIZE/ROOT	COND	COMMENTS
	Native Trees				
AS	Acer saccharinum	Silver Maple	1.5" CAL.	B&B	
CG	Carya glabra	Pignut Hickory	1.5" CAL.	B&B	
CO	Celtis occidentalis	Common Hackberry	1.5" CAL.	B&B	
CF	Cornus florida	Flowering Dogwood	1.5" CAL.	B&B	
LS	Liquidambar styraciflua	Sweetgum	1.5" CAL.	B&B	
NS	Nyssa sylvatica	Black Gum	1.5" CAL.	B&B	
PO	Platanus occidentalis	American Sycamore	1.5" CAL.	B&B	
PV	Prunus virginiana 'Canada Red'	Choke Cherry	1.5" CAL.	B&B	
QB	Quercus bicolor	Swamp White Oak	1.5" CAL.	B&B	
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QP	Quercus palustris	Pin Oak	1.5" CAL.	B&B	
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AC	Amelanchier canadensis	Canadian Serviceberry	18" Ht.	No. 3	6' O.C. MIN
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RP	Rosa palustris	Swamp Rose	18" Ht.	No. 3	3' O.C. MIN
SD	Salix discolor	Pussy Willow	18" Ht.	No. 3	3' O.C. MIN
SC	Sambucus canadensis	Elderberry	18" Ht.	No. 3	4' O.C. MIN
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ST	Spiraea tomentosa	Hardhack	18" Ht.	No. 3	3' O.C. MIN
VC	Vaccinium corymbosum	Highbush Blueberry	18" Ht.	No. 3	4' O.C. MIN

NOTES:

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2. VERTICAL DATUM IS BASED UPON THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD29).

LEGEND:

- WETLAND BOUNDARY
- 160 — SURFACE ELEVATION–FEET
- RAILROAD
- PROPERTY LINE
- CB — CATCH BASIN
- MH — MANHOLE
- UP — UTILITY POLE
- CMP — CORRUGATED METAL PIPE
- CG — DEAD OR DYING TREES IDENTIFIED DURING SITE VISIT PERFORMED ON 9–2–2015
- AS — TREE REPLACEMENTS PLANTED ON 9–17–2015

10' 0 10'
SCALE IN FEET

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REVISIONS

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DRAWN BY: RAL
CHECKED BY: DH
PROJ. ENGR. DH

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SITE SS-041
REMEDIAL ACTION
COMPLETION REPORT

RESTORATION PLANTINGS -
CENTRAL PORTION OF SITE

Scale: AS SHOWN | Date: OCT. 2015 | FIGURE 4

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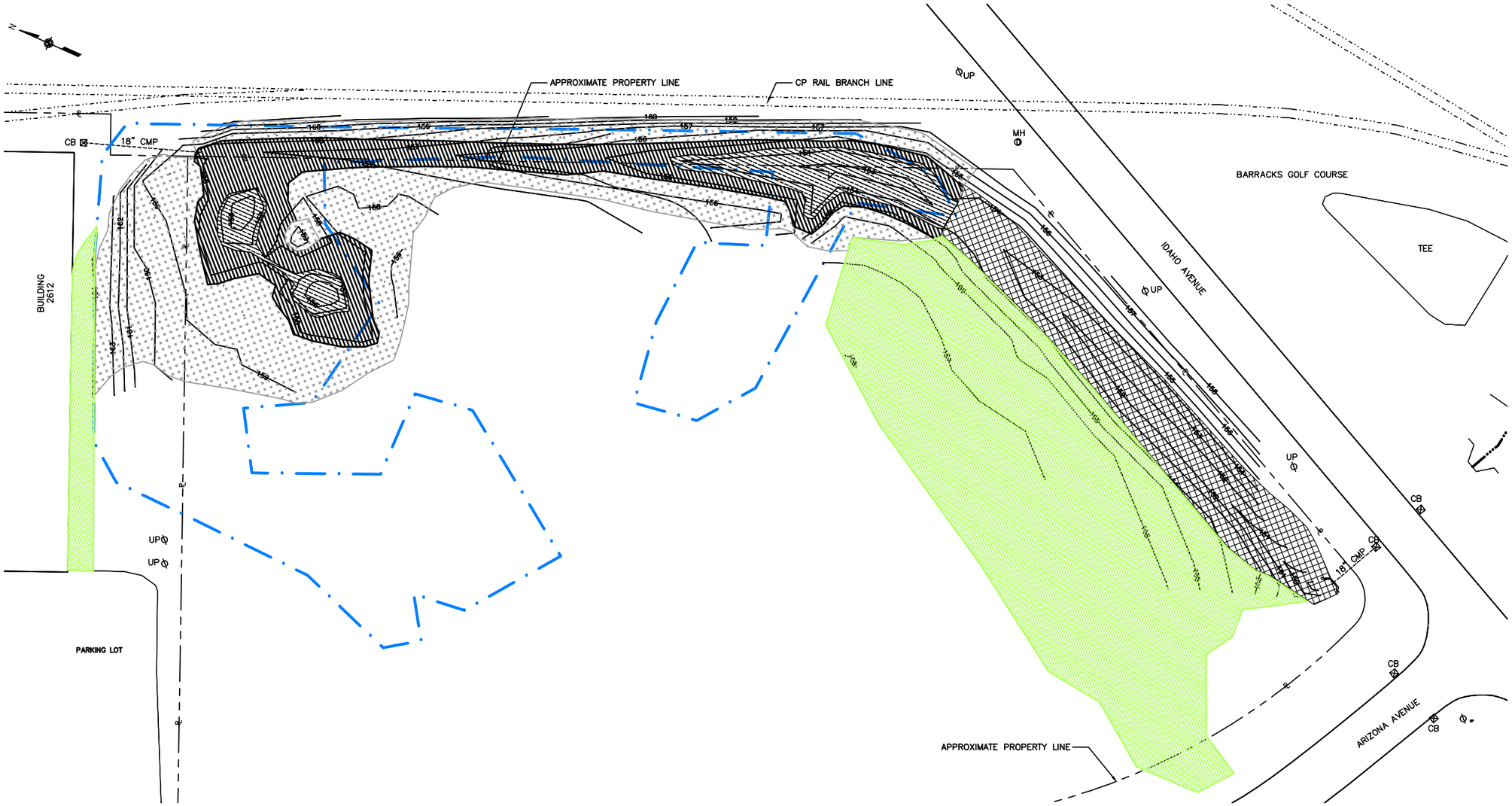

LEGEND:

- WETLAND BOUNDARY
- RAILROAD
- PROPERTY LINE
- CB — CATCH BASIN
- MH — MANHOLE
- UP — UTILITY POLE
- CMP — CORRUGATED METAL PIPE
- WETLAND SEED MIX 1
- WETLAND SEED MIX 2
- UPLAND SEED MIX
- SWALE SEED MIX
- HYDROSEEDED

NOTES:

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2. VERTICAL DATUM IS BASED UPON THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD29).
3. POST–EXCAVATION SURVEY DATA COLLECTED BY ROBERT M. SUTHERLAND, P.C. DURING JULY 2014.

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SITE SS-041
REMEDIAL ACTION
COMPLETION REPORT

SEEDING ZONES

Scale: AS SHOWN | Date: OCT. 2015 | FIGURE 5

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