CTS #407420

FINAL

# THIRD FIVE-YEAR REVIEW REPORT

## CAMP NAVAJO
## BELLEMONT, ARIZONA

**Prepared for:**

United States Army Environmental Command
Fort Sam Houston, Texas

Army National Guard

Camp Navajo
Bellemont, Arizona

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# THIRD FIVE-YEAR REVIEW REPORT

## CAMP NAVAJO
## BELLEMONT, ARIZONA

Approved By:

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Colonel, U.S. Army
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FINAL

# THIRD FIVE-YEAR REVIEW REPORT

## CAMP NAVAJO
## BELLEMONT, ARIZONA

**Prepared by:**

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**Prepared Under Contract Number: W912PL-16-D-0042**
**Task Order Number: W912PL19F0092**

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## Executive Summary

Camp Navajo is approximately 10 miles west of the City of Flagstaff and encompasses approximately 28,347 acres of land in rural Coconino County in north central Arizona (**Figure 1**). Camp Navajo was established by the United States (U.S.) Department of the Army (Army) in 1942 and is currently an active Arizona Army National Guard (AZARNG) installation under the federal administration of the U.S. Army National Guard Directorate (ARNG) Cleanup and Restoration Branch. The installation provides a military training mission, including provision of facilities and training capabilities to enhance the mobilization readiness of AZARNG and other military units. Camp Navajo also provides depot-level storage services to various U.S. Department of Defense (DoD) and other governmental and civilian entities.

This statutory Five-Year Review was conducted in accordance with the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) and the National Oil and Hazardous Substances Pollution Contingency Plan (NCP). Camp Navajo is not on the National Priorities List. The purpose of a Five-Year Review is to determine whether selected remedies for a site remain protective of human health and the environment. Five-Year Reviews also identify issues found during the review, if any, and provide recommendations to address them. This Five-Year Review has been prepared because hazardous substances, pollutants, or contaminants remain at the sites at levels that do not allow for unlimited use and unrestricted exposure (UU/UE). This review includes the five Installation Restoration Program Sites listed in **Table ES-1**.

**Table ES-1 Camp Navajo Five-Year Review Sites Crosswalk**

| AEDB-R ID | Description | HQAES ID |
|---|---|---|
| NAAD-01 | Old EOD Demolition Area | 76897.1001 |
| NAAD-11B | Building 318/319 TNT Washout Facility | 76897.1012 |
| NAAD-20 | Pyrotechnic Range | 76897.1025 |
| NAAD-40 | Former Sanitary Landfill | 76897.1042 |
| NAAD-43 | Former Construction Debris Landfill #5* | 76897.1045 |

AEDB-R – Army Environmental Database-Restoration
EOD – explosive ordnance disposal
HQAES – Headquarters Army Environmental System
ID – identification
NAAD – Navajo Army Depot
TNT – 2,4,6-trinitrotoluene
*In 2010, the Former Construction Debris Landfills (FCDLs) #1-4 received No Further Action and achieved unlimited use and unrestricted exposure (UU/UE) status (National Guard Bureau, 2010). FCDL #5 is the only FCDL evaluated for this Five-Year Review.

**NAAD-01.** NAAD-01, Old Explosive Ordnance Disposal Area, is identified as Munitions Response Work Area (MRWA) 01 for the purpose of munitions and explosives of concern (MEC) investigations and response actions. MRWA 01 is sub-divided into the former operations area (MRWA 01-01) and the kick out area (MRWA 01-02).

The selected remedial action in the 2009 Decision Document (DD) for NAAD-01 (MRWA 01) included site closeout tasks, recurring reviews, and the requirements summarized in Army and DoD regulations for range management and safety. Range management and safety requirements consist of existing site physical controls and access prevention measures, security patrols, and MEC awareness and safety training (National Guard Bureau, 2009).

The remedy at NAAD-01 (MRWA 01) is protective of human health and the environment.

MRWA 01 is sub-divided into MRWA 01-01 and MRWA 01-02. The response action for MRWA 01-01 is Site-related Land Use Controls (LUCs) and the response action for MRWA 01-02 is Mission-related LUCs. These response actions also involve site closeout tasks, recurring reviews, and range management and safety requirements, which include existing site physical controls and access prevention measures, security patrols, and MEC awareness and safety training.

Annual LUC inspections indicate physical and administrative LUCs are in place to prevent unauthorized activities from occurring to ensure the protection of human health and the environment, commensurate with current and future military land use.

**NAAD-11B.** NAAD-11B is identified with Buildings 318 and 319 and the Former 2,4,6-Trinitrotoluene (TNT) Wastewater Lagoons. The selected remedy in the 2010 DD for NAAD-11B is long-term management (LTM), which consists of groundwater monitoring and LUCs (National Guard Bureau, 2010).

The remedy at NAAD-11B is protective of human health and the environment.

Annual LTM groundwater monitoring indicates the plume of explosive contaminants at NAAD-11B is relatively stable; therefore, the removal action was effective in reducing the availability of contaminants to migrate into groundwater. Annual LUC inspections indicate monitoring wells are being maintained as needed to ensure their functionality for groundwater monitoring events, and that LUCs are in place to restrict the use of shallow groundwater within NAAD-11B.

**NAAD-20.** NAAD-20, Pyrotechnic Range, is identified as MRWA 20 for the purpose of MEC investigations and response actions. The selected remedial action in the 2009 DD for NAAD-20 (MRWA 20) included site closeout tasks, recurring reviews, and the requirements summarized in Army and DoD regulations for range management and safety. Range management and safety requirements consist of existing site physical controls and access prevention measures, security patrols, and MEC awareness and safety training (National Guard Bureau, 2009).

The remedy at NAAD-20 is protective of human health and the environment.

The response action for NAAD-20 is No DoD Action Indicated/Mission-related LUCs. This response action also involves site closeout tasks, recurring reviews, and range management and safety requirements, which include existing site physical controls and access prevention measures, security patrols, and MEC awareness and safety training.

Annual LUC inspections indicate physical and administrative LUCs are in place to prevent unauthorized activities from occurring to ensure the protection of human health and the environment, commensurate with current and future military land use.

**NAAD-40.** NAAD-40 is identified with the Former Sanitary Landfill. The selected remedy in the 2010 DD for NAAD-40 is LTM, which consists of landfill cap inspection and maintenance, groundwater monitoring, and LUCs (National Guard Bureau, 2010).

The remedy at NAAD-40 is protective of human health and the environment.

Annual LUC inspections indicate the physical conditions of the landfill cap are stable and the surface water drainage system is being maintained as needed to prevent erosion to ensure the landfill cap's integrity. Annual LTM groundwater monitoring suggests the concentrations of contaminants of concern are relatively stable and the landfill cap is functioning to minimize the potential for infiltration and migration of contaminants that could impact groundwater quality. Annual LUC inspections indicate LUCs are in place to restrict the use of shallow groundwater within NAAD-40, as well as activities that could impact the integrity of the landfill cap or monitoring well surface completions.

**NAAD-43.** NAAD-43 is identified with the Former Construction Debris Landfill (FCDL) #5. The selected remedy in the 2010 DD for NAAD-43 is LTM, which consists of inspection, maintenance, and LUCs (National Guard Bureau, 2010).

The remedy at NAAD-43 currently protects human health and the environment because annual inspections indicate visible FCDL debris is disposed of as needed to prevent potential exposure to hazardous debris and LUCs are in place to restrict activities that could impact the integrity of the land surface and drainage features. However, in order for the remedy to be protective in the long-term, drainage controls at NAAD-43 should be improved to prevent temporary storm water runoff accumulation and ensure long-term protectiveness.

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## Five-Year Review Summary Form

| SITE IDENTIFICATION | | |
|---|---|---|
| **Site Name:** Camp Navajo | | |
| **EPA ID:** AZ7213820635 | | |
| **Region:** 9 | **State:** AZ | **City/County:** Bellemont, Coconino County |

| SITE STATUS | |
|---|---|
| **NPL Status:** Non-NPL | |
| **Multiple OUs?**<br>Yes | **Has the site achieved construction completion?**<br>Yes |

| REVIEW STATUS |
|---|
| **Lead agency:** Other Federal Agency<br>**If "Other Federal Agency" was selected above, enter Agency name:** Arizona Army National Guard (AZARNG) under the federal administration of the United States Army National Guard Directorate (ARNG) Cleanup and Restoration Branch |
| **Author name (Federal or State Project Manager):** Kim Birdsall |
| **Author affiliation:** AZARNG |
| **Review period:** January 21, 2020 – September 28, 2020 |
| **Date of site inspection:** Due to the current coronavirus disease 2019 (COVID-19) travel and access restrictions, the Five-Year Review team was unable to perform the site inspection for this review. |
| **Type of review:** Statutory |
| **Review number:** 3 |
| **Initial triggering action date:** October 31, 2005 |
| **Due date *(five-year cycle after initial triggering action date)*:** October 31, 2020 |

## Five-Year Review Summary Form (continued)

| Issues/Recommendations | | | |
|---|---|---|---|
| **OU(s) without Issues/Recommendations Identified in the Five-Year Review:** | | | |
| NAAD-01, NAAD-11B, NAAD-20, and NAAD-40 | | | |
| **Issues and Recommendations Identified in the Five-Year Review:** | | | |
| **OU(s):** NAAD-43 (Headquarters Army Environmental System [HQAES] Identification [ID] 76897.1045) | **Issue Category:** Operations and Maintenance | | |
| | **Issue:** Storm water runoff temporarily accumulates in topographic depressions following significant snowmelt or precipitation events. | | |
| | **Recommendation:** Improve drainage controls at NAAD-43 to prevent temporary storm water runoff accumulation. | | |
| **Affect Current Protectiveness** | **Affect Future Protectiveness** | **Oversight Party *(if applicable)*** | **Milestone Date** |
| No | Yes | State | November 15, 2021 |

| Protectiveness Statement(s) | | |
|---|---|---|
| *Operable Unit:* NAAD-01 (HQAES ID 76897.1001) | *Protectiveness Determination:* Protective | *Addendum Due Date (if applicable):* Not applicable. |
| *Protectiveness Statement:* The remedy at NAAD-01 (Munitions Response Work Area [MRWA] 01) is protective of human health and the environment.<br><br>MRWA 01 is sub-divided into MRWA 01-01 and MRWA 01-02. The response action for MRWA 01-01 is Site-related Land Use Controls (LUCs) and the response action for MRWA 01-02 is Mission-related LUCs. These response actions also involve site closeout tasks, recurring reviews, and range management and safety requirements, which include existing site physical controls and access prevention measures, security patrols, and munitions and explosives of concern (MEC) awareness and safety training.<br><br>Annual LUC inspections indicate physical and administrative LUCs are in place to prevent unauthorized activities from occurring to ensure the protection of human health and the environment, commensurate with current and future military land use. | | |

| Protectiveness Statement(s) | | |
|---|---|---|
| *Operable Unit:*<br>NAAD-11B (HQAES ID 76897.1012) | *Protectiveness Determination:*<br>Protective | *Addendum Due Date (if applicable):*<br>Not applicable. |
| *Protectiveness Statement:*<br>The remedy at NAAD-11B is protective of human health and the environment.<br><br>Annual long-term management (LTM) groundwater monitoring indicates the plume of explosive contaminants at NAAD-11B is relatively stable; therefore, the removal action was effective in reducing the availability of contaminants to migrate into groundwater. Annual LUC inspections indicate monitoring wells are being maintained as needed to ensure their functionality for groundwater monitoring events, and that LUCs are in place to restrict the use of shallow groundwater within NAAD-11B. | | |
| *Operable Unit:*<br>NAAD-20 (HQAES ID 76897.1025) | *Protectiveness Determination:*<br>Protective | *Addendum Due Date (if applicable):*<br>Not applicable. |
| *Protectiveness Statement:*<br>The remedy at NAAD-20 is protective of human health and the environment.<br><br>The response action for NAAD-20 is No DoD Action Indicated/Mission-related LUCs. This response action also involves site closeout tasks, recurring reviews, and range management and safety requirements, which include existing site physical controls and access prevention measures, security patrols, and MEC awareness and safety training.<br><br>Annual LUC inspections indicate physical and administrative LUCs are in place to prevent unauthorized activities from occurring to ensure the protection of human health and the environment, commensurate with current and future military land use. | | |
| *Operable Unit:*<br>NAAD-40 (HQAES ID 76897.1042) | *Protectiveness Determination:*<br>Protective | *Addendum Due Date (if applicable):*<br>Not applicable. |
| *Protectiveness Statement:*<br>The remedy at NAAD-40 is protective of human health and the environment.<br><br>Annual LUC inspections indicate the physical conditions of the landfill cap are stable and the surface water drainage system is being maintained as needed to prevent erosion to ensure the landfill cap's integrity. Annual LTM groundwater monitoring suggests the concentrations of contaminants of concern are relatively stable and the landfill cap is functioning to minimize the potential for infiltration and migration of contaminants that could impact groundwater quality. Annual LUC inspections indicate LUCs are in place to restrict the use of shallow groundwater within NAAD-40, as well as activities that could impact the integrity of the landfill cap or monitoring well surface completions. | | |

| Protectiveness Statement(s) | | |
|---|---|---|
| *Operable Unit:*<br>NAAD-43 (HQAES ID 76897.1045) | *Protectiveness Determination:*<br>Short-term Protective | *Addendum Due Date (if applicable):*<br>Not applicable. |
| *Protectiveness Statement:*<br><br>The remedy at NAAD-43 currently protects human health and the environment because annual inspections indicate visible former construction debris landfill debris is disposed of as needed to prevent potential exposure to hazardous debris and LUCs are in place to restrict activities that could impact the integrity of the land surface and drainage features. However, in order for the remedy to be protective in the long-term, drainage controls at NAAD-43 should be improved to prevent temporary storm water runoff accumulation and ensure long-term protectiveness. | | |

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# ACRONYMS AND ABBREVIATIONS

| | |
|---|---|
| % | Percent |
| § | Section |
| 1,3,5-TNB | 1,3,5-Trinitrobenzene |
| 2-A-4,6-DNT | 2-Amino-4,6-Dinitrotoluene |
| 4-A-2,6-DNT | 4-Amino-2,6-Dinitrotoluene |
| µg/L | Micrograms per Liter |
| ADEQ | Arizona Department of Environmental Quality |
| AEDB-R | Army Environmental Database-Restoration |
| ARAR | Applicable or Relevant and Appropriate Requirement |
| Army | U.S. Department of the Army |
| ARNG | Army National Guard Directorate |
| AWQS | Aquifer Water Quality Standard |
| AZARNG | Arizona Army National Guard |
| bgs | Below Ground Surface |
| CERCLA | Comprehensive Environmental Response, Compensation, and Liability Act |
| CFR | Code of Federal Regulations |
| CNC | Camp Navajo Clay |
| COC | Contaminant of Concern |
| COVID-19 | Coronavirus Disease 2019 |
| DAWSON | Dawson Technical, LLC |
| DD | Decision Document |
| DDESB | Department of Defense Explosives Safety Board |
| DO | Dissolved Oxygen |
| DoD | Department of Defense |
| DRO | Diesel Range Organics |
| EE/CA | Engineering Evaluation/Cost Analysis |
| EOD | Explosive Ordnance Disposal |
| EPA | U.S. Environmental Protection Agency |
| FCDL | Former Construction Debris Landfill |
| FS | Feasibility Study |
| GPL | Groundwater Protection Level |
| HBGL | Health Based Guidance Level |
| HHRA | Human Health Risk Assessment |
| HMX | Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine |
| HQAES | Headquarters Army Environmental System |
| ID | Identification |
| IRA | Interim Removal Action |
| IRP | Installation Restoration Program |
| LEL | Lower Explosive Limit |
| LOQ | Limit of Quantification |
| LTM | Long-Term Management |
| LUC | Land Use Control |
| LUCIP | Land Use Control Implementation Plan |

## ACRONYMS AND ABBREVIATIONS CONTINUED

| | |
|---|---|
| MCL | Maximum Contaminant Level |
| MD | Munitions Debris |
| MDL | Method Detection Limit |
| MEC | Munitions and Explosives of Concern |
| MEC HA | Munitions and Explosives of Concern Hazard Assessment |
| mg/kg | Milligrams per Kilogram |
| mm | Millimeter(s) |
| MPPEH | Material Potentially Presenting an Explosive Hazard |
| MRS | Munitions Response Site |
| MRWA | Munitions Response Work Area |
| NAAD | Navajo Army Depot |
| NCP | National Oil and Hazardous Substances Pollution Contingency Plan |
| NDAI | No Department of Defense Action Indicated |
| NPL | National Priorities List |
| NR-SRL | Non-Residential Soil Remediation Level |
| OB/OD | Open Burn/Open Detonation |
| O&M | Operations and Maintenance |
| ORP | Oxidation-Reduction Potential |
| OSWER | Office of Solid Waste and Emergency Response |
| PAH | Polycyclic Aromatic Hydrocarbon |
| PAL | Project Action Level |
| PCB | Polychlorinated Biphenyl |
| PCPA | Post-closure Permit Area |
| RAO | Remedial Action Objective |
| RCRA | Resource Conservation and Recovery Act |
| RDX | 1,3,5-Trinitroperhydro-1,3,5-Triazine |
| REC | Record of Environmental Consideration |
| RI | Remedial Investigation |
| RSL | Regional Screening Level |
| R-SRL | Residential Soil Remediation Level |
| SVOC | Semi-Volatile Organic Compound |
| TNT | 2,4,6-Trinitrotoluene |
| TPH | Total Petroleum Hydrocarbon |
| U.S. | United States |
| USACE | U.S. Army Corps of Engineers |
| USAEC | U.S. Army Environmental Command |
| UU/UE | Unlimited Use and Unrestricted Exposure |
| UXO | Unexploded Ordnance |
| VOC | Volatile Organic Compound |
| Weston | Weston Solutions, Inc. |

# 1.0 INTRODUCTION

This is the Third Five-Year Review for Camp Navajo located in Bellemont, Arizona. Camp Navajo was established by the United States (U.S.) Department of the Army (Army) in 1942 and is currently an active Arizona Army National Guard (AZARNG) installation under the federal administration of the U.S. Army National Guard Directorate (ARNG) Cleanup and Restoration Branch. Camp Navajo is not on the National Priorities List (NPL). This review includes the five Installation Restoration Program (IRP) Sites listed in **Table 1** below.

**Table 1 Camp Navajo Five-Year Review Sites Crosswalk**

| AEDB-R ID | Description | HQAES ID |
|---|---|---|
| NAAD-01 | Old EOD Demolition Area | 76897.1001 |
| NAAD-11B | Building 318/319 TNT Washout Facility | 76897.1012 |
| NAAD-20 | Pyrotechnic Range | 76897.1025 |
| NAAD-40 | Former Sanitary Landfill | 76897.1042 |
| NAAD-43 | Former Construction Debris Landfill #5* | 76897.1045 |

AEDB-R – Army Environmental Database-Restoration
EOD – explosive ordnance disposal
HQAES – Headquarters Army Environmental System
ID – identification
NAAD – Navajo Army Depot
TNT – 2,4,6-trinitrotoluene
*In 2010, the Former Construction Debris Landfills (FCDLs) #1-4 received No Further Action and achieved unlimited use and unrestricted exposure (UU/UE) status (National Guard Bureau, 2010). FCDL #5 is the only FCDL evaluated for this Five-Year Review.

## 1.1 PURPOSE

The purpose of the Five-Year Review is to determine whether site remedies remain protective of human health and the environment. Five-Year Reviews also identify issues discovered during the review, if any, and provide recommendations to address them. This Five-Year Review has been prepared because hazardous substances, pollutants, or contaminants remain at the site above levels that allow for unlimited use and unrestricted exposure (UU/UE).

## 1.2 AUTHORITY

The U.S. Army Corps of Engineers (USACE) Los Angeles District, with assistance from Dawson Technical, LLC (DAWSON), is preparing this Five-Year Review on behalf of the U.S. Army Environmental Command (USAEC) pursuant to the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Section (§) 121, 42 U.S. Code § 9621, and the National Oil and Hazardous Substances Pollution Contingency Plan (NCP), 40 Code of Federal Regulations (CFR) Part 300. CERCLA §121 (c) states the following:

> *"If the President selects a remedial action that results in any hazardous substances, pollutants, or contaminants remaining at the site, the President shall review such remedial action no less often than each five years after the initiation of such remedial action to assure that human health and the environment are being protected by the remedial action being implemented. In addition, if upon such review it is the judgment of the President that action is appropriate at such site in accordance with section [104] or [106], the President shall take or require such action. The President shall report to the Congress a list of facilities for which such review is required, the results of all such reviews, and any actions taken as a result of such reviews."*

The NCP, at 40 CFR § 300.430(f)(4)(ii), states:

> *"If a remedial action is selected that results in hazardous substances, pollutants, or contaminants remaining at the site above levels that allow for unlimited use and unrestricted exposure, the lead agency shall review such action no less often than every five years after initiation of the selected remedial action."*

Camp Navajo is an active AZARNG installation under the federal administration of the ARNG Cleanup and Restoration Branch. The Arizona Department of Environmental Quality (ADEQ) is the lead regulatory agency providing oversight support for environmental investigations, risk management, and cleanup activities at Camp Navajo.

In 2010, ADEQ adopted a policy requiring all final technical documents to be signed and stamped by a registered professional in accordance with the professional registration requirements contained in Arizona Revised Statute 32-125. However, Arizona Revised Statute Sections 32-144 and 32-101 explicitly exempt employees and officers of the federal government acting in that capacity from having to comply with these professional registration requirements. There is also no statutory or regulatory requirement under CERCLA or the NCP requiring final technical documents to be signed and stamped by a registered professional. Furthermore, federal facilities, whether they are listed on the NPL or not, are only required to comply with substantive state requirements that are promulgated under state environmental or facility siting laws. Federal facilities do not have to comply with state procedural requirements contained in non-environmental statutes, because Congress has clearly not waived sovereign immunity in this arena. Since ADEQ's policy regarding professional registrants is not a promulgated substantive

requirement under state environmental laws, it is not an applicable or relevant and appropriate requirement (ARAR) with which federal facilities have to comply.

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# 2.0 BACKGROUND

Camp Navajo, originally named Navajo Ordnance Depot, was established and activated on July 1, 1942 during World War II for the storage and disposal of munitions and for conducting training and support activities. Initial operations included renovation, demilitarization, and normal maintenance of ammunition. Operations were later expanded to include ammunition disposal, 2,4,6-trinitrotoluene (TNT) recovery, and materiel proof and surveillance testing. Camp Navajo has functioned as a receipt, storage, and supply depot, a backup facility, and a prisoner-of-war camp. In 1971, the Installation was placed on reserve status under the command of the Pueblo Army Depot and then the Tooele Army Depot. Operational control of the Installation was transferred to the AZARNG under license from the Secretary of the Army under the terms of an intra-service support agreement in 1982. The Installation was recommended for closure in December 1988 under the Base Realignment and Closure Act. On September 30, 1993, the intra-service support agreement was terminated, and Camp Navajo was transferred under an indefinite-term license to the AZARNG (National Guard Bureau, 2010).

## 2.1 PHYSICAL CHARACTERISTICS

Camp Navajo is located on 28,347 acres of land in rural Coconino County in north central Arizona. The installation is located south of the unincorporated town of Bellemont and approximately 10 miles west of the city of Flagstaff (**Figure 1**). Camp Navajo is bounded to the north by Interstate 40, the Atchison, Topeka, and Santa Fe Railroad lines, and private and commercial property; and to the east, south, and west by private property, national forest owned by the U.S. Department of Agriculture Forest Service, and property owned by the State of Arizona (National Guard Bureau, 2010).

Camp Navajo is subdivided into multiple areas as follows (**Figure 2**):

- Administration Area;
- Warehouse Area;
- Limited Area;
- Open Burn/Open Detonation (OB/OD) Area; and
- Buffer Area.

The Administration Area is located in the northern part of the installation and comprises the Garrison Command buildings, training facilities, and engineering and support facilities, while the Warehouse Area is located in the northwest part of Camp Navajo and consists primarily of general storage warehouses and open storage areas (Weston Solutions, Inc. [Weston], 2019a). The Limited Area is a large, secured interior area of Camp Navajo, and the former OB/OD Area is located in the southern portion of Camp Navajo (National Guard Bureau, 2009). The Buffer Area surrounds the Limited Area, providing a safeguard from non-Department of Defense (DoD) controlled land (**Figure 2)**.

## 2.2 GEOLOGY

Camp Navajo is located along the southern edge of the Colorado Plateau, where the geology is characterized by the volcanic units of the San Francisco volcanic field overlying sedimentary rock units of Paleozoic, Mesozoic, and Tertiary age. The Colorado Plateau is bordered by the Transition Zone to the south, which is separated by the physiographic boundary of the Mogollon Rim approximately 6 miles to the south of Camp Navajo. Multiple volcanic features are present in and around Camp Navajo. The majority of the igneous units at Camp Navajo are basaltic flows that originated from the numerous vents distributed over most of the installation. A unit consisting predominantly of silt and clay with distinct sand layers has been mapped in the north and central portions of Camp Navajo and is informally known as the Camp Navajo Clay (CNC). The sand units are very thin and yield very little water. The water bearing sand intervals are labeled CNC1 (deepest) through CNC5 (shallowest). Variable amounts of gravel or artificial material are present at the surface and shallow depths as a function of backfill and construction efforts conducted during the development of Camp Navajo. The CNC extends to an approximate depth of 55 feet below ground surface (bgs) and is underlain by gravel deposits and basalt flows. Shallow saturated zones are found under both perched and unperched conditions in the vicinity of Camp Navajo. They occur within thin permeable beds in alluvial aquifers of limited area and in interflow soil layers developed on the tops of basalt flows (Weston, 2019a).

Bedrock units underlying the volcanic units and CNC consist of sedimentary rocks that are siliciclastic or carbonate in composition. The uppermost of the sedimentary units is the Moenkopi Formation which is exposed in isolated areas at Rogers Lake near NAAD-20 and Sycamore Canyon southwest of Camp Navajo (Weston, 2019a).

The structural geology of Camp Navajo is characterized by two fault systems. The Bellemont fault is a high-angle reverse fault that is oriented along a northeast-southwest trend, extending from north of the community of Bellemont to an area in the central portion of Camp Navajo south of NAAD-11B. Multiple regional-aquifer production wells in Bellemont have been constructed to intersect the fault due to the anticipated enhanced groundwater flow. Regional aquifer well CN-1 is located west of the Bellemont fault, while CN-2 is located east of the structure. Additional faults have been identified west of the Bellemont fault near NAAD-11B that are also aligned in a similar orientation. The Elsey Springs graben contains faults that bound the northwest-trending valley where NAAD-40 is located (Weston, 2019a).

## 2.3 HYDROGEOLOGY

Subsurface hydrogeologic conditions at Camp Navajo are characterized by multiple poor water-bearing zones in volcanic units, primarily the CNC and sedimentary bedrock (i.e., Wild Bill Hill basalt), respectively. The shallow aquifers in the northern portions of Camp Navajo are generally associated with volcanic units and have poor recharge/yield. The Wild Bill Hill basalt and associated water-bearing intervals are the shallowest drinking water sources in the vicinity of Camp Navajo. Water-bearing intervals associated with the Wild Bill Hill basalt are the only sources for the Bellemont Water Company and are the

preferred sources by Camp Navajo water systems. However, the water-bearing intervals are limited in areal extent and their yield is highly dependent upon seasonal precipitation. While shallow water-bearing zones are present at NAAD-11B and NAAD-40, none of the site boundaries are geographically close to Wild Bill Hill basalt production wells and springs. In addition, no shallow aquifers have been encountered at NAAD-43, NAAD-01, and NAAD-20 (Weston, 2019a).

The estimated gradient and flow pattern of regional groundwater across Camp Navajo, based upon data collected during 2006 and 2016-2018, is toward the north. According to water level elevations recently measured in groundwater wells on and around Camp Navajo, the depth of the regional aquifer ranges from approximately 1,360 to 1,760 feet bgs (Weston, 2019a). Depths to shallow groundwater at NAAD-11B have historically ranged from approximately 6 to 38 feet bgs, with a saturated thickness that decreases to the northwest, while groundwater at NAAD-40 is shallow and has historically ranged from approximately 5 to 26 feet bgs in most wells (Weston, 2019a).

## 2.4 LAND AND RESOURCE USE

Camp Navajo is an active AZARNG facility with two concurrent missions: operation of a training site for the National Guard and other military units, and the provision of depot-level storage services to various DoD, other government, and civilian customers. Camp Navajo is subdivided into the Administration Area, Warehouse Area, Limited Area, Post-closure Permit Area (PCPA) (formerly the OB/OD Area), and Buffer Area, but the entire installation is considered an operational range with the exception of the Limited Area, Cantonment Area, and other areas with access-restricting LUCs. The Administration Area includes headquarters, training sites, and the Field Maintenance Shop; the Warehouse Area consists primarily of general storage warehouses and open storage areas; the PCPA is located in the southern portion of Camp Navajo; the Limited Area is used to store various commodities, predominately munitions and missile motors; and the Buffer Area, which was initially designed to provide safe distances between storage facilities and non-installation land, is now used primarily for training activities. Camp Navajo is anticipated to remain an active ARNG installation where land use is non-residential (DAWSON, 2018). Recreational activities (e.g. camping, fishing, hunting, and wood cutting) are also allowed when they do not interfere with the mission. Livestock grazing was allowed on the installation until 2000 when the training mission was expanded (National Guard Bureau, 2010).

Commercial, industrial, and private properties border the northern portions of Camp Navajo. The community of Bellemont, Arizona, located on the northern boundary of the installation, has an estimated population of 241 people. The majority of land bordering the western, southern, and eastern portions of the installation is owned by the State of Arizona or the U.S. Department of Agriculture Forest Service with a few private parcels interspersed (Weston, 2019a).

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# 3.0 FIVE-YEAR REVIEW PROCESS

## 3.1 ADMINISTRATIVE COMPONENTS

The ARNG initiated the Third Five-Year Review Report for Camp Navajo on January 21, 2020, with a kick-off call with USACE Los Angeles District, USAEC, and DAWSON personnel to discuss the sites and any items of interest pertaining to the protectiveness of the remedies currently in place. The Camp Navajo Five-Year Review team was led by USACE Los Angeles District and included DAWSON personnel with expertise in remediation, regulatory compliance, geology, hydrology, geochemistry, and risk assessment. A review schedule was established that included:

- Community notification,
- Document and data review,
- Site inspection,
- Interviews, and
- Five-Year Review report development and review.

## 3.2 COMMUNITY NOTIFICATION

A public notice was issued in the *Arizona Daily Sun* on April 5, 2020 and the *Williams-Grand Canyon News* on April 8, 2020, notifying the public the ARNG was initiating the Five-Year Review at Camp Navajo. Contact information was provided for the public to submit comments. No comments have been received to date from the public following publication of the Public Notice. The Public Notice affidavits are included in **Appendix A**.

The results of the review and the report will be made available at the site information repository located at the Cline Library, Northern Arizona University, 1001 South Knoles Drive, Flagstaff, Arizona 86011, as well as the administrative records located at the Camp Navajo Administrative Record, Building 15, Hughes Avenue, Bellemont, Arizona 86015; and the ADEQ Records Center,1110 W. Washington Street Phoenix, Arizona 85007.

Upon completion of the Third Five-Year Review Report, a public notice will be placed in the *Arizona Daily Sun* and the *Williams-Grand Canyon News* to announce availability of the final report in the site information repository.

## 3.3 DOCUMENT AND DATA REVIEW

The Third Five-Year Review included a review of relevant site documents, including but not limited to decision/remedy selection documents, design and implementation reports, investigations, annual reports and related monitoring data, and regulatory documents. Reviewed documents are listed in the document review section of each site.

## 3.4 SITE INSPECTION

Due to the current coronavirus disease 2019 (COVID-19) travel and access restrictions, the Five-Year Review team was unable to perform the site inspection for this review.

The last site inspection for Camp Navajo was conducted on April 18, 2019 by Weston as part of annual LTM activities. Site inspections are conducted to provide information about a site's status and to visually confirm and document the conditions of the remedy, the site, and the surrounding area (U.S. Environmental Protection Agency [EPA], 2001). A summary of the annual inspections for each site are presented in their respective operations and maintenance (O&M) sections.

## 3.5 INTERVIEWS

Interviews document any perceived problems or successes with the remedy that has been implemented to date at each of the sites at Camp Navajo. The project team requested interviews from the following individuals:

- Randy Wilkinson, Project Support Manager, Army National Guard G9, Cleanup Branch (National Guard Bureau contractor);
- Kim Birdsall, Restoration Program Manager, AZARNG;
- Matthew Nation, Principal Project Geoscientist, Weston (AZARNG contractor);
- Karin Harker, Federal Projects Unit Manager, ADEQ; and
- Steve Willis, Senior Scientist, UXO Pro, Inc. (ADEQ contractor).

Interview summaries are presented in **Appendix B**.

Mr. Randy Wilkinson stated that land use and site conditions have not changed, site risk remains acceptable, and the remedies are effective overall. He explained that data for NAAD-11B indicate that a shallow perched water-bearing zone (not considered an aquifer) contains 1,3,5-trinitroperhydro-1,3,5-triazine (RDX) greater than screening levels, but concentrations remain relatively stable with some indication of decreasing trends. Monitoring data for NAAD-40 indicate that no releases from the landfill are occurring; however, 1,4-dioxane was detected in 2019 using a new method and sampling in April 2020 will help to determine if it was anomalous or not. Mr. Wilkinson confirmed there is a continuous on-site O&M presence. He also noted that the Camp Navajo Facilities Maintenance Office maintains some of the physical land use controls (LUCs), such as signs and fences, and installation departments are responsible for munitions and explosives of concern (MEC) Awareness Training for their personnel.

Mr. Wilkinson mentioned that the engineered landfill cap at NAAD-40, as well as some of the wells at the two groundwater monitoring sites are scheduled for repairs in spring 2020 to replace broken concrete pads, remove rust, and repair burrowing damage caused by prairie dogs. The danger signs around NAAD-01 were replaced in 2018 with signs meeting Department of Transportation specifications to provide a longer lifetime. Mr.

Wilkinson does not believe any of these maintenance or repair activities were significant. He stated that there have not been any unexpected O&M difficulties and feels the MEC Awareness Training Program, Excavation Permit and Record of Environmental Consideration (REC) processes, development of a LUC Implementation Plan (LUCIP) in 2018, and inclusion in the installation master plan in 2019 have resulted in increased visibility during routine operations and early consideration during the planning phase of facility projects. Finally, Mr. Wilkinson explained optimization at NAAD-11B and NAAD-40 is primarily based on the decision document (DD) ramp-down strategy. The frequency of inspections by a Professional Engineer at NAAD-40 has been reduced from biennial to every five years to coincide with Five-Year Reviews. For NAAD-11B, difficult conditions limit the potential effectiveness of current cleanup technologies. As a result, Mr. Wilkinson would like an updated technology review. He also requested a review of the status of RDX studies and the schedule for promulgation of an RDX maximum contaminant level (MCL) since a regulatory standard has yet to be determined and evaluation of the analyte at NAAD-11B is based on a risk-based concentration limit.

Ms. Kim Birdsall feels the remedies for the five sites at Camp Navajo are functioning as expected and no significant changes have occurred since the 2015 Five-Year Review. Ms. Birdsall mentioned that RDX is the only analyte detected greater than project action levels (PALs) at NAAD-11B and the data reflect a gradual decline in explosives in most wells. She also noted the detections and distribution of analytes at NAAD-40 reflect relatively stable conditions, with the exception of 1,4-dioxane, which exceeded its PAL in two wells in 2019. Ms. Birdsall indicated that a potential source for the analyte cannot be attributed to the waste at NAAD-40 at this time; however, further monitoring is necessary to characterize 1,4-dioxane at NAAD-40. She confirmed there is a continuous O&M presence at all sites, as the installation Cleanup Support Manager and Facilities Maintenance Office are located at Camp Navajo. Ms. Birdsall also mentioned potential opportunities for optimization at two sites have been identified; the regulator requested evaluation of a proprietary technology for the remediation of RDX at NAAD-11B, which was determined to be ineffective based on site conditions. In addition, Ms. Birdsall stated that a closure evaluation for NAAD-43 is ongoing. Additional sampling will take place in the coming months and if analytical results support closure, the site may be closed with UU/UE and the natural grade of the site may be restored to improve surface water flow. Finally, Ms. Birdsall requested assistance on the evaluation of other available remedial technologies to address RDX at NAAD-11B.

Mr. Matthew Nation believes the remedies at all sites are performing in accordance with the DDs and stated that no significant difficulties or changes have occurred since the previous Five-Year Review. He feels the sites are secured and the potential to compromise the engineered remedies or LUCs are minimized. He also explained that the project sites are in a mature stage of monitoring, with the majority of difficulties having been resolved and the need for a minimal level of effort. Mr. Nation stated that the data for NAAD-11B indicates stable or gradually decreasing concentrations in groundwater for explosives, reflecting gradual monitored natural attenuation. The data for NAAD-40 also indicates stable conditions for groundwater and the engineered cap is functional and in good condition. Mr. Nation indicated that O&M inspections and repairs are performed annually and as needed by Camp Navajo personnel or contractors. He feels there is no

further optimization anticipated at this time, except for a reduction at NAAD-40 from biennial inspections to every five years to coincide with Five-Year Reviews. In addition, potential closure of NAAD-43 is possible after soil sampling in 2020. For NAAD-11B, he recommended rigorous review of any remedial methods attempting to speed monitored natural attenuation at the site to determine if the scope will justify the proposed results. Mr. Nation stated that close coordination with Camp Navajo is necessary at NAAD-11B to avoid the interruption of sampling events by munitions handling operations.

Ms. Karin Harker feels the five sites continue to show progress as planned in the DD, except for NAAD-11B. Although the remedy is appropriate for the majority of contaminants, she does not think it is as promising for RDX and suggests reevaluating the remedy selection for that contaminant. Ms. Harker feels there has been routine communication regarding the activities conducted at the sites and is not aware of any complaints, violations, or other incidents related to the five sites. She stated that information is continually shared between parties and quarterly teleconference calls regarding the sites' activities and progress allow her to feel well informed.

Mr. Steve Willis is contracted by ADEQ to provide regulatory oversight support and feels the project has progressed as planned in the DD, as sampling and inspection activities have proceeded as scheduled and AZARNG has been proactive addressing repairs and maintenance of LUCs. He noted that the project team conducts regular quarterly teleconferences to discuss the project status and AZARNG will schedule additional teleconference calls when necessary to resolve outstanding issues. Mr. Willis is not aware of any complaints, violations, or other incidents related to the five sites. He believes communication is very good and feels well informed about the site's activities and progress.

# 4.0 NAAD-01

## 4.1 SITE CHRONOLOGY

The site chronology for NAAD-01 is presented below in **Table 2**.

**Table 2 Chronology of NAAD-01**

| Event | Date |
|---|---|
| Camp Navajo established and activated | July 1942 |
| Ordnance demolition activities occurred at NAAD-01 | 1942-1961 |
| Installation-wide Preliminary Assessment conducted | 1979 |
| RCRA Facility Assessment conducted | 1993 |
| UXO surface sweep and disposal conducted by AZARNG | May 1995 |
| Remedial Investigation conducted | 1995 |
| Airborne geophysical survey conducted | October 2002 |
| Footprint reduction project conducted | 2003 |
| Airborne magnetometer data collection and evaluation completed | 2004 |
| Data gap analysis and preliminary site reconnaissance performed | 2005 |
| Chemical constituent investigation and removal action performed | 2005-2006 |
| MEC characterization, corrosion study, and Hazard Assessment conducted | 2006 |
| Construction completion activities performed | 2006 |
| MEC surface removal conducted | 2007 |
| DD for chemical constituents completed | April 2009 |
| DD for MEC completed | December 2009 |
| First Five-Year Review Report | April 2011 |
| After Action Report for MEC response actions finalized | 2014 |
| Second Five-Year Review Report | October 2015 |
| Camp Navajo Master Plan updated | November 2017 |
| Land Use Control Implementation Plan | August 2018 |

AZARNG – Arizona Army National Guard
DD – Decision Document
MEC – munitions and explosives of concern
RCRA – Resource Conservation and Recovery Act
UXO – unexploded ordnance

## 4.2 PHYSICAL CHARACTERISTICS

NAAD-01 consists of approximately 640 acres in the south-central portion of Camp Navajo, in the South Buffer Area and Limited Area, east of the Open Detonation Area. NAAD-01 initially consisted of the 27-acre operational footprint area but was later expanded to include the surrounding land impacted by kick-out from open detonations. To address explosive hazards related to MEC, Munitions Response Work Area 01 (MRWA 01) was created. Based on differing site conditions and attendant long-term management (LTM) requirements, MRWA 01 was sub-divided into MRWA 01-01, consisting of the former operational footprint area, and MRWA 01-02, consisting of the surrounding MEC kick-out area (**Figure 3**) (National Guard Bureau, 2009).

The majority of MRWA 01-01 is an open meadow with trees located on the eastern, western, and southern margins. The surrounding 614 acres of forested hills extending from the boundary of MRWA 01-01 out to the distance associated with the munition with the greatest fragmentation distance boundary encompasses the kick-out area, designated MRWA 01-02. In addition, terrain in northern and southern portions of MRWA 01-02 have been designated as Exception Areas, which consist of steep slopes or exposed rock faces, thick vegetation, and dead trees or lithic debris (National Guard Bureau, 2009).

## 4.3 HISTORY OF CONTAMINATION

MRWA 01-01 was actively used for ordnance demolition and disposal from 1942 until 1961. Demolition activities focused on the destruction of high explosive-filled munitions in shell sizes up to 155 millimeters (mm); however, some white phosphorus-filled projectiles and small arms munitions were detonated occasionally. Additionally, it was reported that there was some firing of 0.50-caliber machine guns into the bordering hillside for training purposes, although site inspections have not corroborated this report. MRWA 01-01 was also used by the 77$^{th}$ Explosives and Ordnance Disposal (EOD) Detachment for demolition and training during its tenure at Camp Navajo, which began in 1970 and ended in the early to mid-1970s. Handling and training using small quantities of explosives continued until 1994, when all operations ceased (National Guard Bureau, 2009).

Before excavation and removal in 2006, an open disposal pit containing slugs, munitions boxes, small arms brass, and other debris was noted in the central portion of MRWA 01-01. This area was suspected to be a former small arms burn cage, and might have been a predecessor to the one more recently used in the central portion of the Camp Navajo Open Detonation Area. The results of the 2006 subsurface investigation confirmed that open burning operations were conducted in confined areas, using small arms munitions and other materials, including burned and rusted 32-gallon propellant barrels, steel frames with heavy gauged steel screen and 0.50-caliber munitions debris. No other munitions or hazardous wastes have been documented in the burn areas (National Guard Bureau, 2009).

MRWA 01-02 consists of 614 acres that surround MRWA 01-01 and extend out to the distance associated with the munition with greatest fragmentation distance that received

MEC and munitions debris (MD) resulting from kick-outs during demolition activities in MRWA 01-01. No historical records or physical evidence has been found that suggest that MRWA 01-02 was used for munitions training, demolition, or disposal (National Guard Bureau, 2009).

## 4.4 INITIAL RESPONSE

AZARNG conducted an unexploded ordnance (UXO) surface sweep and disposal operation at NAAD-01 in May 1995 to prevent untrained personnel from encountering potentially live ordnance during nonintrusive field activities. Two 90 mm white phosphorous projectiles and one 155 mm high explosive projectile were reportedly discovered, removed, and disposed of during the surface sweep (National Guard Bureau, 2009).

In 2003, MEC was removed at NAAD-01 to permit safe travel by Camp Navajo Security and Fire Protection services on primary and secondary roadways and along designated fence lines. A total of 0.64 linear miles of primary and secondary roadways in MRWA 01-01 were surface cleared. With the exception of one flare cap, 129 items recovered were characterized as indiscernible MD and no MEC items were recovered (National Guard Bureau, 2009).

A Supplemental MEC Characterization of the former OB/OD Area, including NAAD-01, was performed in 2005. Approximately 21 acres (3 percent [%] of the overall acreage) in NAAD-01 was investigated and four MEC items and some MD were recovered. All MEC items recovered were disposed of by open detonation in January 2006 (National Guard Bureau, 2009).

MEC characterization activities were completed in 2006 in suspected primary and secondary MEC source areas identified during previous investigations in MRWA 01-01 and MRWA 01-02. All soil and debris excavated from the suspected primary MEC source areas were systematically investigated and numerous MEC items were recovered, as well as materials that may have been the result of open burning activities (National Guard Bureau, 2009).

In 2006, additional data were gathered, risks were assessed, and the appropriate action to achieve closure for site-related chemical constituents was determined for NAAD-01. During the investigation, additional MEC items and debris, including ash and numerous charred debris, burned and rusted 32-gallon propellant barrels, metal screens with 4-foot steel frames, and remnants of 0.50-caliber munitions were found and removed (National Guard Bureau, 2009).

A surface MEC removal project was completed at NAAD-01 Munitions Response Sites (MRSs) A, B, and C in 2007. A total of 93 MEC items were recovered from approximately 205 acres and were disposed of by open detonation in February 2008 (**Figure 4** and **Figure 5**) (National Guard Bureau, 2009).

## 4.5 BASIS FOR TAKING ACTION

Information obtained during MEC characterization activities indicated that the majority of MEC recovered from MRWA 01-01 was at or very near the surface (within 2-4 inches of the top of soil). After the surface MEC removal activities in 2007, few MEC items are estimated to remain in the subsurface at MRWA 01-01, and MEC items are only suspected (not known) to remain at MRWA 01-02. Baseline and updated MEC Hazard Assessments (MEC HAs) were conducted for MRWA 01-01 and MRWA 01-02. The updated MEC HAs increased the number of contact hours from very few (less than 10,000 receptor contact hours per year) to few hours (10,000 to 99,999 receptor contact hours per year) to address potential land use needs, as well as incorporating the 2007 removal of surface MEC (National Guard Bureau, 2009). A revised Hazard Level (1 – 4, score of 1 being the highest potential hazard) was assigned for each area.

The results of the updated MEC HA for MRWA 01-01 indicated a Hazard Level 3, which suggests future uses at NAAD-01 are compatible with existing site conditions, assuming that the intrusive depth of any activity does not overlap with estimated subsurface believed to contain remaining MEC. Therefore, a potential explosive hazard remains at MRWA 01-01 and only nonintrusive land uses are authorized to occur, and restricted-access conditions must be maintained (National Guard Bureau, 2009).

The updated MEC HA results for MRWA 01-02 indicated a Hazard Level 4, which suggests that restricted-access use and reasonably anticipated future uses include up to 99,646 annual contact hours of nonintrusive activities are compatible with conditions in MRWA 01-02; however, a residual explosive risk remains at NAAD-01 and any future uses would include enhanced MEC awareness training and oversight by range management personnel (National Guard Bureau, 2009).

## 4.6 REMEDIAL ACTIONS

### 4.6.1 REMEDIAL ACTION OBJECTIVES

The primary Remedial Action Objective (RAO) for NAAD-01 described in the 2009 DD (National Guard Bureau, 2009) is *to ensure the protection of human health and the environment, commensurate with planned military land use. Secondary RAOs include the following:*

- *Ensure that future land use remains consistent with the military training and storage missions.*
- *Ensure that future site conditions remain consistent with the characterization data used to determine site risk.*
- *Ensure that the LUCs remain appropriate for future land use and site conditions or are updated to remain protective if future land use and/or site conditions change within the limits of the RAOs listed above.*

The secondary RAOs will be used to evaluate the selected response actions during recurring reviews to assure the long-term protection of human health and the environment.

### 4.6.2 Remedy Description

The remedial action in the 2009 DD for MRWA 01-01 consists of *Site-related LUCs*. *This response action includes site closeout tasks, site-specific land use controls and recurring reviews. This response action also includes the requirements summarized in Army and DoD regulations for range management and safety that include existing site physical controls and access prevention measures, security patrols, and MEC awareness and safety training* (National Guard Bureau, 2009).

The remedial action in the 2009 DD for MRWA 01-02 consists of *Mission-related LUCs, which includes site closeout tasks, recurring reviews, and the requirements summarized in Army and DoD regulations for range management and safety that include existing site physical controls and access prevention measures, security patrols, and MEC awareness and safety training* (National Guard Bureau, 2009).

### 4.6.3 Remedy Implementation

The components of the site-related and mission-related LUCs include site closeout tasks, site-specific LUCs, and recurring reviews. Mission-related LUCs were implemented, prior to the 2009 DD, to support the training and storage missions at Camp Navajo and included MEC awareness safety training; USAEC, ARNG, AZARNG, and DoD Explosives Safety Board (DDESB) approval for lease or transfer; Camp Navajo access controls (manned entry points at the installation boundary, security patrols, and recreational user daily check-ins) and boundary fences and signs; Limited Area boundary fences, locked gates, and signs; RECs; and Camp Navajo Excavation and Flame Permits (DAWSON, 2018).

The Camp Navajo Real Property Master Plan was updated with NAAD-01's boundaries, pertinent features, and information regarding land use restrictions and controls (DAWSON, 2018). Fifty-eight new signs were installed around the boundary of MRWA 01-01 in November 2012 (**Figure 3**). The signs read, "DANGER, SUBSURFACE UNEXPLODED ORDNANCE, DO NOT DIG", and were installed at a maximum interval of 100 feet. The signs were installed at intervals closer together wherever visibility was reduced. Signs along the southern and western boundaries that were originally located within dense forest were moved to the forest-meadow interface for better visibility, while still bounding the former operational area where subsurface MEC may remain (USACE, 2015).

The Camp Navajo LUCIP was finalized in August 2018 and describes the mission-related and site-specific LUCs implemented at NAAD-01. The site-specific LUCs that apply to NAAD-01 include site access restrictions (e.g., barriers, gates, and/or signs), no residential development, no use of groundwater or surface water, intrusive activities only with UXO construction support, and no offsite transport or disposal of MEC, material

potentially presenting an explosive hazard (MPPEH), or MD without proper inspection, certification, and management (DAWSON, 2018).

The first recurring review for NAAD-01 was performed in May 2016 and consisted of a physical site inspection, administrative records review, and interviews with AZARNG personnel. Annual inspection findings are documented in the annual LTM Groundwater Monitoring and LUC Reports. Annual LUC inspections and reports are ongoing.

#### 4.6.4 Operations and Maintenance

O&M activities at NAAD-01 consist of:

- Annual LUC inspections,
- As needed LUC maintenance, and
- Annual LTM Reports.

The Annual LUC inspections include the following and findings are documented in the Annual LTM Report:

- Inspection of LUC perimeter fencing, gates, and signage for evidence of damage.
- Inspection of physical conditions for evidence of traffic off designated roads or use of the land that is not in accordance with current LUCs.
- Inspection of the physical conditions of the land surface for evidence of erosion or frost heave that could result in the movement or exposure of MEC.
- Visual and analog inspection to determine the presence/absence of significant accumulations of MD or MEC. Inspection of exception areas in MRWA 01-01 are limited to visual observations.

Based upon review of the Annual LTM Reports since the previous Five-Year Review, a portion of the perimeter fence was observed to be down and was repaired prior to the May 2017 inspection (TEC-Weston Joint Venture, 2018). Both the 2016 and 2017 Annual LTM Reports documented a sign that was propped up/displaced (TEC-Weston Joint Venture, 2017 and 2018), while the 2017 and 2018 Annual LTM Reports noted multiple fading signs (TEC-Weston Joint Venture, 2018; Weston, 2019a). All signs at NAAD-01 were replaced in September 2018 (Weston, 2019a). In 2016 and 2017, a drainage culvert was blocked, preventing effective drainage of storm water (TEC-Weston Joint Venture, 2017, 2018). In January 2018, the excess dirt was removed, and the area was regraded to improve drainage (Weston, 2019a). Minor evidence of frost heave was also observed during the 2017-2019 inspections (TEC-Weston Joint Venture, 2018; Weston, 2019a, 2020). In 2018, isolated MD items were observed at the entrance road on the eastern edge of MRWA 01-01 (Weston, 2019a), and an ignitor (MD) was observed on the ground inside the fence in 2019 (Weston, 2020). Although tire tracks and two large craters were observed during the 2019 inspection, they were attributed to training related to a demolition operation, which is compatible with LUCs and acceptable land uses noted in the 2009 DD (Weston, 2020).

## 4.7 PROGRESS SINCE THE SECOND FIVE-YEAR REVIEW

The following presents the protectiveness statement presented in the previous Five-Year Review Report for NAAD-01 (USACE, 2015):

*The remedy at NAAD 01 is protective of human health and the environment. The remedy is LTM consisting of LUCs and inspections. The remedy is protective for the following reasons:*

- *Primary MEC areas within NAAD 01 have been investigated and removal actions have been completed. No additional source areas are suspected to be present to a depth of one-foot;*
- *Soil and surface water were investigated, and soil removal actions were completed in 2007. No unacceptable risks due to site-related chemical constituents remain;*
- *The surface MEC removal action completed at NAAD 01 in 2007 reduced the exposure hazard to allow for military training;*
- *There are no complete exposure pathways for humans or wildlife. Subsurface exposure to MEC is limited by LTM which includes LUCs and inspections;*
- *LUCs include access restrictions, MEC awareness training, and non-residential land use;*
- *Warning signs are installed at 100-foot or less intervals around the boundary;*
- *Dig permits and Records of Environmental Consideration (RECs) are required for intrusive activities at Camp Navajo and are reviewed by the Environmental Office; and*
- *Inspections on an ongoing basis ensure that LUCs remain appropriate for future land use and site conditions.*

There were no issues or recommendations identified during the previous Five-Year Review.

## 4.8 DATA REVIEW

The remedy for NAAD-01 consists of site-related LUCs; therefore, there was no data generated to be reviewed for this Five-Year Review.

## 4.9 SITE INSPECTION

The last inspection of NAAD-01 was conducted on April 18, 2019 by Weston as part of annual LTM activities. A summary of the annual inspection is presented in Section 4.6.4.

## 4.10 TECHNICAL ASSESSMENT

### 4.10.1 QUESTION A – IS THE REMEDY FUNCTIONING AS INTENDED BY THE DECISION DOCUMENT?

Yes, based on a review of site documents, the remedy implemented at NAAD-01 is functioning as intended by the DD.

Site-related and mission-related LUCs designed to ensure the protection of human health and the environment, while supporting training and storage missions, have been implemented and are effective. The Camp Navajo Real Property Master Plan has been updated with NAAD-01 boundaries, pertinent features, and information regarding land use restrictions and controls; initial and annual MEC awareness training has been developed; and MRWA 01 boundary signs were installed. In addition, a LUCIP for Camp Navajo has been finalized with information for NAAD-01; excavation and flame permits are required at NAAD-01; residential development, the use of groundwater or surface water, and offsite transport or disposal of MEC, MPPEH, or MD without proper inspection, certification, and management are prohibited; and annual LUC inspections and reporting are ongoing. Finally, no significant changes in the types of military training, land use, or recreational activities were documented.

### 4.10.2 QUESTION B – ARE THE EXPOSURE ASSUMPTIONS, TOXICITY DATA, CLEANUP LEVELS AND REMEDIAL ACTION OBJECTIVES USED AT THE TIME OF THE REMEDY SELECTION STILL VALID?

Yes, the exposure assumptions and RAOs used at the time of the remedial action selection are still valid. No changes in exposure assumptions have occurred for NAAD-01, as residential development, groundwater and surface water use, and intrusive activities without UXO construction support personnel are still prohibited at NAAD-01. Furthermore, no significant changes in the types of military training, land use, or recreational activities were documented during the annual LTM site inspections. As a result, there are no changes to site risk determined using the standardized risk assessment methodology (*2008 Interim Munitions and Explosives of Concern Hazard Assessment (MEC HA) Methodology Document)* at the time of the DD.

The RAOs are also still valid, as LUCs have been implemented and are effective in ensuring the protection of human health and the environment, commensurate with current and future military land use and the characterization data used to determine site risk.

Since hazards at NAAD-01 are associated with potential explosive risk, not chemical toxicity, a review of toxicity data was not performed as part of this Third Five-Year Review.

### 4.10.3 QUESTION C – HAS ANY OTHER INFORMATION COME TO LIGHT THAT COULD CALL INTO QUESTION THE PROTECTIVENESS OF THE REMEDY?

There is no other information that calls into question the protectiveness of the remedy. No new ecological risks have been identified. There have been no impacts from natural disaster events or weather-related events that have affected the protectiveness of the remedy.

### 4.10.4 Technical Assessment Summary

The remedial action at NAAD-01 was implemented and is functioning as intended. Site-related and mission-related administrative and physical LUCs have been implemented and are effective at ensuring the protection of human health and the environment, commensurate with current and future military land use (i.e., training and storage). There were no changes to the exposure assumptions, as changes in land use were not documented or observed since the previous Five-Year Review. In addition, standardized risk assessment methodology and RAOs utilized at the time of the DD are still valid. No other information that could affect the protectiveness of the remedy was noted.

## 4.11 ISSUES

No issues were identified during this Five-Year Review that prevent the remedy from being protective now or in the future.

## 4.12 RECOMMENDATIONS AND FOLLOW-UP ACTIONS

No recommendations or follow-up actions are required since there were no issues identified during this Five-Year Review that affect current or future protectiveness of the remedy.

## 4.13 PROTECTIVENESS STATEMENT

The remedy at NAAD-01 (MRWA 01) is protective of human health and the environment.

MRWA 01 is sub-divided into MRWA 01-01 and MRWA 01-02. The response action for MRWA 01-01 is Site-related LUCs and the response action for MRWA 01-02 is Mission-related LUCs. These response actions also involve site closeout tasks, recurring reviews, and range management and safety requirements, which include existing site physical controls and access prevention measures, security patrols, and MEC awareness and safety training.

Annual LUC inspections indicate physical and administrative LUCs are in place to prevent unauthorized activities from occurring to ensure the protection of human health and the environment, commensurate with current and future military land use.

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# 5.0 NAAD-11B

## 5.1 SITE CHRONOLOGY

Information on site chronology for NAAD-11B is presented below in **Table 3**.

**Table 3 Chronology of NAAD-11B**

| Event | Date (Year) |
|---|---|
| Camp Navajo established and activated | July 1942 |
| Building 318/319 TNT Washout Facility in operation | 1942-1972 |
| Installation-wide Preliminary Assessment conducted | 1979 |
| Environmental survey of the Navajo Army Depot performed | 1981 |
| Groundwater and surface water sampling performed | 1984 |
| RCRA closure investigation completed | 1988 |
| Well installations, soil sampling, and groundwater sampling performed | 1989-1990 |
| RCRA Facility Assessment | 1991-1994 |
| RI/FS conducted | 1994-1997 |
| Interim removal action: consisting of soil excavation and verification sampling | October 1996 |
| Supplemental RI/FS conducted | 1998-2002 |
| Groundwater monitoring program in the vicinity of the former Building 319 basin completed | 1998-2002 |
| Interim removal action consisting of demolition of Building 319, soil excavation, and verification soil sampling | 1999-2000 |
| Final soil characterization and excavation of two areas in the former TNT wastewater lagoons conducted | June 2002 |
| Interim removal action consisting of soil excavation and verification sampling | October 2002 |
| Final groundwater characterization completed | 2003 |
| LTM groundwater monitoring well rehabilitation and quarterly sampling conducted | 2005 |
| LTM groundwater sampling frequency reduced to semiannual monitoring | 2007 |
| Risk screening for RDX completed | 2008 |
| DD completed | 2010 |
| First Five-Year Review Report | April 2011 |
| LTM Work Plan Addendum for Camp Navajo | May 2013 |

| Event | Date (Year) |
|---|---|
| Second Five-Year Review Report | October 2015 |
| Camp Navajo Master Plan updated | November 2017 |
| Land Use Control Implementation Plan | August 2018 |
| Perchlorate Source Assessment Report | October 2018 |

DD – Decision Document
LTM – long-term management
MEC – munitions and explosives of concern
RCRA – Resource Conservation and Recovery Act
RDX – 1,3,5-trinitroperhydro-1,3,5-triazine
RI/FS – Remedial Investigation/Feasibility Study
TNT – 2,4,6-trinitrotoluene

## 5.2 PHYSICAL CHARACTERISTICS

NAAD-11B consists of Buildings 318 and 319 and the Former TNT Washout Facility (**Figure 6**). NAAD-11B is in the central portion of the Ammunition Workshop Area and comprises Building 318 (3,150 square feet), former Building 319 (1,473 square feet), a 30-foot diameter aboveground storage tank, and numerous pipes, troughs, blowers, and other equipment. The Facility included three Former TNT Wastewater Lagoons located south of the buildings. Lagoon 1 measured 300 by 150 feet, Lagoon 2 measured 200 by 100 feet, and Lagoon 3 measured 400 by 200 feet with an attached area measuring 65 by 200 feet. The adjacent Former Laundry Wastewater Lagoon measured 80 by 30 feet. One set of railroad tracks passes between Building 318 and the location of former Building 319 (National Guard Bureau, 2010).

## 5.3 HISTORY OF CONTAMINATION

Beginning in the late 1940s, operations at Buildings 318 and 319 involved washing out TNT and other explosives from ordnance undergoing demilitarization. After the TNT was washed out of a shell, it was heated to a molten state and passed through a flaker that converted the molten TNT into flakes of dry TNT. The dry TNT then was packaged for reuse. Building 318 was constructed on the site of former Building 575, which had been used for the same purpose. Explosives-contaminated wastewater from Building 318 was discharged to the Former TNT Wastewater Lagoons via an open, unlined trench or feeder canal until January 1953, when the facility changed to a closed system. Employees who worked at the washout plant indicated that the lagoons were not used after that time. A closed-loop wastewater system was installed that routed water to settling and filtration tanks in Building 319. Excess wastewater from Building 319 was transported for disposal at the Closed TNT Retention Ponds and the Former Open Burn Area (Ponds) in the OB/OD Area. Washout operations were discontinued in 1972 (National Guard Bureau, 2010).

## 5.4 INITIAL RESPONSE

An Interim Removal Action (IRA) was conducted at NAAD-11B in October 1996 to remove soil that contained concentrations of TNT exceeding Arizona health-based guidance levels (HBGLs). Approximately 90 cubic yards of soil southwest of Building 319 was excavated to depths ranging from 18-24 inches. Seven confirmation samples were collected and TNT, 2,4-dinitrotoluene, octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX), and RDX were detected at concentrations greater than HBGLs (National Guard Bureau, 2010).

Building 319 was demolished in October 1998 and the second IRA for soil within the Building 319 basin was performed in 1999 and 2000. Soil was excavated from the rear of the basin (north end) to the southern access ramp and resulted in the removal of approximately 800 cubic yards of soil to approximately 1 to 4 feet below the former Building 319 foundation and basin. Seventy-nine soil samples were collected for field screening to be analyzed for explosive compounds, and excavation continued until the field screening results did not indicate the presence of explosive compounds. Confirmation soil samples were subsequently collected from a total of 54 locations in the excavation and analyzed for 1,3,5-trinitrobenzene (TNB), TNT, and RDX. Analysis detected 1,3,5-TNB, TNT, and RDX in a majority of samples (National Guard Bureau, 2010). The second-phase of excavation was performed in September 1999 and removed approximately 1,000 cubic yards of soil at locations in the basin that contained concentrations of 1,3,5-TNB greater than the Residential Soil Remediation Level (R-SRL). Additional confirmation samples were collected from the second-phase excavated areas and analyzed for 1,3,5-TNB, TNT, and RDX. Detections of TNT and RDX were less than their respective R-SRLs, but concentrations of 1,3,5-TNB in five samples were greater than the R-SRL (National Guard Bureau, 2010). Backfilling of the excavation areas occurred in September 1999 and June and September 2000 (National Guard Bureau, 2010).

In October 2002, a final IRA was completed at the Former TNT Wastewater Lagoon. Approximately 7.5 cubic yards of soil containing explosive compounds was excavated from each of two small areas in the Former TNT Wastewater Lagoon. The primary soil samples collected indicated that explosives were non-detect and, except for beryllium, metals were either non-detect or present at concentrations less than R-SRLs or Groundwater Protection Levels (GPLs) (National Guard Bureau, 2010).

## 5.5 BASIS FOR TAKING ACTION

A Human Health Risk Assessment (HHRA) was completed for NAAD-11B using all valid investigative data collected from 1994-2003 for the Remedial Investigation (RI), Supplemental RI, phase II RI/Feasibility Study (FS), and quarterly groundwater monitoring events. The HHRA evaluated all detected chemical constituents in soil, which included metals and explosives. The Tier 1 and Tier 2 HHRA for human exposure to soil concluded there was no significant potential risk or hazard from human exposures attributable to site-related chemical constituents in soil (National Guard Bureau, 2010).

Metals detected in soil were also screened in a Tier 1 leaching evaluation for GPL exceedances. The Groundwater Protection Screening Evaluation determined none of the metals detected in site soil posed a risk to groundwater quality; however, a leaching to groundwater evaluation was not conducted for explosives at NAAD-11B because no GPLs or Arizona Aquifer Water Quality Standards (AWQSs) were established at the time (National Guard Bureau, 2010).

Some explosives (4-amino-2,6-dinitrotoluene [4-A-2,6-DNT] and RDX) and metals (lead and zinc) were detected in groundwater samples but had no established AWQSs for comparison at the time. Beryllium and chromium were detected in groundwater samples at concentrations exceeding their respective AWQSs. Furthermore, explosive compounds continue to be detected in some of the wells at NAAD-11B at concentrations that exceed their preliminary screening levels (i.e., EPA Regional Screening Levels [RSLs]; National Guard Bureau, 2010).

## 5.6 REMEDIAL ACTIONS

### 5.6.1 REMEDIAL ACTION OBJECTIVES

The RAOs for NAAD-11B, as described in the 2010 DD, are as follows (National Guard Bureau, 2010):

- *Monitor groundwater quality to ensure the effectiveness of the removal action and to support recommendations for ramp-down or closure;*
- *Evaluate the reproducibility and accuracy of the analytical data collected from groundwater monitoring locations;*
- *Verify the protection of groundwater quality by comparing analytical results to screening levels and evaluating the data for trends;*
- *Maintain the integrity of the monitoring well surface completions; and*
- *Restrict the use of shallow groundwater within NAAD 11B until contaminant concentrations are determined to be acceptable*.

Groundwater monitoring will continue at NAAD-11B until analyte, well, and site closure ramp-down requirements have been met. Contaminants of concern (COCs), which include explosives (1,3,5-TNB, TNT, 2-amino-4,6-dinitrotoluene [2-A-4,6-DNT], 4-A-2,6-DNT, and RDX) and metals (arsenic, beryllium, and total chromium), may be proposed for deletion from the LTM program based upon concentration results that are either less than their method detection limit (MDL) or limit of quantification (LOQ) for a minimum of the last two consecutive events with ADEQ concurrence (**Figure 7**). If none of the COCs in a monitoring well are detected at concentrations greater than the PALs for two consecutive events, then the well may also be removed from sampling in LTM with ADEQ concurrence (**Figure 8**). In addition, a well may be proposed for deletion from the LTM program if it was dry or contained insufficient water on one or more occasions but satisfied the aforementioned criteria. If only minor exceedances (less than 15% based on Laboratory Control Sample criteria) of the PALs are observed at the site or adjacent

monitoring wells, and concentrations of COCs in on-site wells are less than downgradient well(s), then the site may be considered for removal from LTM with ADEQ concurrence (**Figure 9**; Weston, 2020).

PALs are derived from AWQSs or EPA RSLs based upon Worksheet #15 of the 2019 Uniform Federal Policy-Quality Assurance Project Plan (Weston, 2019b) and are presented in **Appendix C** of this report.

### 5.6.2 Remedy Description

The remedy for NAAD-11B from the 2009 DD is *LTM consisting of groundwater monitoring and LUCs*. The LTM program additional components include (National Guard Bureau, 2010):

> *Development of site-specific screening levels for the target explosive compounds detected in groundwater that exceed [preliminary screening guidance]. Selection of monitor wells to be included in the LTM program will be based upon proximity to the former source areas, stratigraphy, and geologic structure. Additionally, LUCs will be recorded in the Camp Navajo Real Property Development Plan.*

### 5.6.3 Remedy Implementation

LTM groundwater monitoring at NAAD-11B was initiated in 2005 based on the LTM Work Plan. The groundwater sampling program consisted of quarterly sampling from 2005 to 2006, semi-annual sampling from 2007 to 2010, and annual sampling since 2012; no sampling was conducted in 2011. Groundwater samples are collected from 12 monitoring wells located primarily west, south, and east of the former Building 319 basin; and water level measurements are collected from 17 monitoring wells during annual sampling events (**Figure 6**). Groundwater samples were analyzed for explosives and metals; however, multiple wells and/or analytes historically included in monitoring have been removed from the LTM program based upon ramp-down criteria (**Figure 7** and **Figure 8**). All metals were removed from the LTM sampling program after 2016, perchlorate was removed from the analyte list after 2010, and the explosive 1,3,5-TNB was removed after 2015 (Weston, 2019a). Therefore, only the explosives TNT, RDX, 4-A-2,6-DNT, and 2-A-4,6-DNT are currently evaluated at NAAD-11B (Weston, 2020).

#### 5.6.3.1 Land Use Controls

LUCs were implemented in September 2009, prior to the 2010 DD, and included notation in the Camp Navajo Real Property Development Plan; requirements for USAEC, ARNG, and AZARNG approval for lease or transfer of NAAD-11B; and Camp Navajo excavation and flame permits. In addition, the LUCs prohibit residential development, the use of groundwater or surface water, and intrusive activities at NAAD-11B. There are also locks on well surface completions. The Camp Navajo LUCIP was finalized in August 2018 and describes the site-specific LUCs implemented at NAAD-11B (DAWSON, 2018).

LTM inspections of NAAD-11B have also been performed since 2005 and consist of a visual inspection of monitoring wells and physical site conditions (Weston, 2019a). Annual inspection findings are documented in annual LTM Groundwater Monitoring and LUC Reports, which are ongoing.

### 5.6.4 Operations and Maintenance

O&M activities at NAAD-11B consist of:

- Annual LUC inspections;
- As needed LUC maintenance;
- Annual groundwater monitoring; and
- Annual LTM Reports.

#### 5.6.4.1 Land Use Control Inspections

Annual LUC inspections consist of the following and findings are documented in Annual LTM Reports (Weston, 2019a):

- Inspection of the conditions of 17 existing monitoring well monuments, casings, caps, and locks.
- Inspection of physical conditions for evidence of traffic off designated roads or use of the land that is not in accordance with current LUCs.

Based upon review of the Annual LTM Reports since the previous Five-Year Review, locks on numerous wells were rusted to variable degrees in 2016-2018, with some being sufficiently rusted that operation of the locks was hindered. The 2019 Annual LTM Report noted that these locks were replaced in November 2018 and were operable (Weston, 2020). A well cap/plug was observed to be loose in 2016 and was missing and covered with a metal plate in 2017 (TEC-Weston Joint Venture, 2018). Support pads for several wells were described as having minor erosion or breakage or being significantly degraded in the 2017-2019 Annual LTM Reports. In addition, erosion of the ground underneath multiple well support pads was observed during the 2018 and 2019 inspections, but the integrity of the concrete was not significantly compromised. Finally, the 2019 Annual LTM Report noted that a REC identified the need for a cultural resource survey at NAAD-11B. As a result, proposed well repairs have been postponed until 2020 and the repair activities may be summarized in the subsequent Annual LTM Report (Weston, 2020).

#### 5.6.4.2 Groundwater Monitoring

Annual groundwater monitoring activities conducted at NAAD-11B currently include the following (Weston, 2019a):

- Measurement of static groundwater elevations in select wells.

- Collection of groundwater parameters, including pH, temperature, specific conductivity, oxidation reduction potential [ORP], dissolved oxygen [DO], and turbidity), during purging of 12 monitoring wells.
- Collection of groundwater samples for analysis of RDX, 2-A-4,6-DNT, 4-A-2,6-DNT, and TNT.

All analytical results for NAAD-11B COCs are compared to PALs, which are based on Arizona AQWSs or EPA RSLs (MCLs or tap water RSLs), to monitor groundwater quality and evaluate trends (Weston, 2019a). Removal of analytes from the LTM program is in accordance with the ramp-down strategy (**Figure 7**). A reduction in concentrations resulted in elimination of 4-A-2,6-DNT for analysis in well 97-08 and the removal of 2-A-4,6-DNT for analysis in well 99-03 in February 2019. In addition, the metals suite, consisting of arsenic, beryllium, and chromium, has not been included in analysis of groundwater samples collected since the 2016 sampling event (Weston, 2019a).

## 5.7 PROGRESS SINCE THE SECOND FIVE-YEAR REVIEW

The following presents the protectiveness statement presented in the previous Five-Year Review Report for NAAD-11B (USACE, 2015):

*The remedy at NAAD 11B is protective of human health and the environment. The remedy is LTM consisting of LUCs, groundwater monitoring, and inspections. The remedy is protective for the following reasons:*

- *Soil and groundwater were investigated, and soil removal actions completed in 2002 have mitigated potential risks associated with soils;*
- *There are no complete exposure pathways for humans or wildlife;*
- *Exposure to shallow groundwater is limited by LUCs and inspections;*
- *LUCs include access restrictions and non-residential land use;*
- *Dig permits and RECs are required for intrusive activities at Camp Navajo and are reviewed by the Environmental Office;*
- *Inspections on an ongoing basis ensure that LUCs remain appropriate for future land use and site conditions; and*
- *Groundwater monitoring is conducted annually to confirm the protectiveness of the remedy.*

There were no issues or recommendations identified during the previous Five-Year Review.

## 5.8 DATA REVIEW

### 5.8.1 GROUNDWATER MONITORING

Groundwater monitoring samples were collected at NAAD-11B and analyzed for explosives and metals in 2015 and 2016. According to the ramp-down strategy, as discussed in Section 5.6.1 of this Five-Year Review report and presented in **Figure 7**, 1,3,5-TNB was removed from the groundwater sampling program for NAAD-11B following the 2015 groundwater sampling event and the metals suite was removed following the 2016 sampling event (TEC-Weston Joint Venture, 2018). As a result, groundwater monitoring samples were only analyzed for the explosives RDX, 4-A-2,6-DNT, 2-A-4,6-DNT, and TNT during the 2017, 2018, and 2019 annual LTM groundwater monitoring events (Weston, 2020).

Concentrations of RDX, 4-A-2,6-DNT, 2-A-4,6-DNT, and TNT were greater than their MDL or LOQ in numerous wells during all sampling events since the previous Five-Year Review; however, only RDX was detected at concentrations exceeding its PAL of 0.61 micrograms per liter (µg/L) in 2015, and the revised PAL of 0.7 µg/L during the 2016-2019 groundwater sampling events. All other analyte concentrations greater than the LOQ or MDL were less than their respective PALs in 2015-2019. Ramp-down criteria for analytes and wells at NAAD-11B were not met during the 2017-2019 annual groundwater monitoring events. Cumulative analytical data for NAAD-11B is presented in **Appendix C.**

Groundwater data through 2019 documents similar hydrologic conditions recorded during historical events. Groundwater flow at NAAD-11B is generally towards the northwest (**Figure 10**). Although inferred flow also occurs from the west, influx of water to the source area is precluded by the fault and displaced subsurface units west of wells 97-07 and 98-03. The potentiometric surface map for NAAD-11B shows decreasing groundwater elevations from monitoring wells 98-01 and 97-10 in the east and southeast toward a potentiometric low to the northwest of wells 98-03 and 97-07. The highest elevation of 7,042.18 feet above mean sea level was measured in well 98-01, with the lowest elevation of 7,028.51 feet above mean sea level in well 98-03. The calculated gradient is approximately 0.025 feet per foot, which is considerably steep with respect to the area encompassed by NAAD-11B and is approximately twice as steep as the gradient calculated in 2018 (approximately 0.005 feet per foot to 0.014 feet per foot) (Weston, 2020).

Groundwater levels measured in the monitoring wells at NAAD-11B appear to be influenced by seasonal precipitation and seepage from the natural springs in the area. In late 2017 and 2018, a prolonged period of reduced precipitation occurred, which was followed by a period of elevated precipitation in late 2018 and early 2019. A comparison of 2017 groundwater elevations reveals that they were higher than those recorded in 2016, but elevations in 2018 dropped to levels last seen in 2012. In 2019, groundwater elevations rebounded to the levels observed in 2014 through 2016. In general, the recent elevations were at or above many of the levels recorded from 2002 to 2013 and have risen in wells from 2013 to 2017 (Weston, 2020).

The isoconcentration map (**Figure 11**) from the 2019 Annual LTM Report shows the highest RDX concentrations are located within the footprint of the area where previous soil remediation activities were conducted (wells 00-01, 00-02, 97-05, and 97-08). Isoconcentrations of RDX are inferred in the north and west boundaries of the plume; two wells, one on the western (97-07) and one near the northern boundary (97-05) of the plume, had detections of RDX greater than the PAL at 27 and 106 µg/L, respectively. RDX concentrations since approximately 2009 have been consistent with minor increases or decreases in concentrations when compared between sampling events. According to the Mann-Kendall Analysis Summary (90% confidence level) from the 2019 Annual LTM Report, TNT, 2-A-4,6-DNT, and 4-A-2,6-DNT have either decreasing trends or no trends, and RDX has increasing trends in two wells (**Appendix C**). Residual contaminants of concern in soil at the former Building 319 basin potentially constitute an ongoing source for explosives in groundwater. However, the distinct stratified nature of the water-bearing intervals may influence the transport and detection of analytes and is not comparable to unconfined and homogeneous aquifer conditions. Fluctuations in the saturated interval may periodically cause increases in analyte concentrations only if they can be dissolved and transported in the sand layers which are significantly more permeable than the enclosing silt/clay. This process probably accounts for the elevated RDX concentration in Well 97-08 (**Figure 11**), and 2-A-4,6-DNT/4-A-2,6-DNT in Well 02-02 following the high amount of precipitation in late 2018/early 2019 (Weston, 2020).

Based on the May 2019 groundwater RDX isoconcentration map (**Figure 11**), calculated potentiometric surface for NAAD-11B (**Figure 10**), and analytical results generated to date (**Appendix C**), the plume is relatively stable and not migrating away from the source area (Building 319 basin). Changes in the plume are likely influenced by the seasonal presence or absence of groundwater and migration of the plume outside the area proximal to the source is unlikely due to hydrogeologic conditions.

## 5.9 SITE INSPECTION

The last inspection of NAAD-11B was conducted on April 29, 2019 by Weston as part of annual LTM activities. A summary of the annual inspection is presented in Section 5.6.4.2.

## 5.10 TECHNICAL ASSESSMENT

### 5.10.1 QUESTION A – IS THE REMEDY FUNCTIONING AS INTENDED BY THE DECISION DOCUMENT?

Yes, based on a review of site documents, the remedy implemented at NAAD-11B is functioning as intended by the DD.

Groundwater monitoring is performed annually, and analytical data suggests explosive compounds have either decreasing trends or no trends, with the exception of RDX, which has increasing trends in two wells. However, site-wide RDX concentrations since approximately 2009 are relatively stable and RDX is not migrating away from the source area. Changes in the plume are likely attributable to the seasonal presence or absence of groundwater (based on precipitation) and are restricted to the former Building 319 basin. The Annual LTM Reports that document groundwater monitoring for NAAD-11B

also evaluate data to determine if the eventual site closure ramp-down strategy has been satisfied for NAAD-11B. In addition, a data quality assessment is documented in the Annual LTM Reports. Based on these assessments, no significant data omissions or gaps have occurred since the previous Five-Year Review that limited the ability to make decisions regarding LTM requirements, and any discrepancies were able to be rectified.

The annual LUC inspections documented in the Annual LTM Reports indicated that locks on wells were rusted, but these issues did not affect the ability to obtain groundwater monitoring samples and maintenance is completed as needed.

Mission and site-related administrative LUCs have been implemented at NAAD-11B and are effective. The Camp Navajo Real Property Master Plan has been updated with LUCs; excavation and flame permits are required at NAAD-11B; and residential development, the use of groundwater or surface water, and intrusive activities are prohibited. Finally, there was no evidence of traffic off designated roads or use of the land that was not in accordance with current LUCs.

### 5.10.2 Question B – Are the exposure assumptions, toxicity data, cleanup levels and remedial action objectives used at the time of the remedy selection still valid?

Yes, the exposure assumptions, toxicity data, and RAOs used at the time of the remedy selection are still valid. No changes in exposure assumptions have occurred at NAAD-11B, as residential development, groundwater and surface water use, and intrusive activities are still prohibited at NAAD-11B. Furthermore, no significant changes in the types of military training, land use, or recreational activities were documented in the annual LUC inspection reports.

**Appendix D** presents the screening levels at the time of the DD compared to the current PALs presented in the 2019 Annual LTM Report. For all analytes, PALs are the most recent AWQS (2016) or EPA RSL (MCL or tap water RSL from November 2019). Although the current PAL for 1,3,5-TNB is lower than the screening level identified in the 2010 DD, no historical detections of the analyte exceed the current PAL of 590 µg/L.

The RAOs are still appropriate, as groundwater monitoring at NAAD-11B is performed annually to ensure the effectiveness of the removal action. The Annual LTM Reports summarize recommendations for ramp-down, evaluate the quality of the analytical data collected, compare analytical results to PALs, and evaluate data trends. In addition, the monitoring well surface completions are inspected annually and maintained, as needed, and LUCs continue to restrict the use of shallow groundwater.

### 5.10.3 Question C – Has any other information come to light that could call into question the protectiveness of the remedy?

There is no other information that calls into question the protectiveness of the remedy. No new ecological risks have been identified. There have been no impacts from natural disaster events or weather-related events that have affected the protectiveness of the remedy.

### 5.10.4 Technical Assessment Summary

The remedy at NAAD-11B was implemented and is functioning as intended. Annual LTM groundwater monitoring performed since 2005 indicates the explosives plume is relatively stable and is not migrating away from the source area, thus suggesting the removal action was effective. Annual LUC inspections are also ongoing and did not indicate any significant issues at NAAD-11B, including the integrity of monitoring well surface completions. Mission and site-related administrative LUCs were implemented and are effective, as there was no evidence of changes in land use at NAAD-11B, including the use of shallow groundwater. The exposure assumptions, toxicity data, and RAOs used at the time of the remedy selection are still valid. Despite the current PAL for 1,3,5-TNB being lower than the screening level identified in the 2010 DD, this does not affect the protectiveness of the remedy, as all historical detections of the analyte were less than the current EPA RSL (590 µg/L).

## 5.11 ISSUES

No issues were identified during this Five-Year Review that prevent the remedy from being protective now or in the future.

## 5.12 RECOMMENDATIONS AND FOLLOW-UP ACTIONS

No recommendations or follow-up actions are required since there were no issues identified during this Five-Year Review that affect current or future protectiveness of the remedy.

## 5.13 PROTECTIVENESS STATEMENT

The remedy at NAAD-11B is protective of human health and the environment.

Annual LTM groundwater monitoring indicates the plume of explosive contaminants at NAAD-11B is relatively stable; therefore, the removal action was effective in reducing the availability of contaminants to migrate into groundwater. Annual LUC inspections indicate monitoring wells are being maintained as needed to ensure their functionality for groundwater monitoring events, and that LUCs are in place to restrict the use of shallow groundwater within NAAD-11B.

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# 6.0 NAAD-20

## 6.1 SITE CHRONOLOGY

Information on site chronology for NAAD-20 is presented below in **Table 4**.

**Table 4 Chronology of NAAD-20**

| Event | Date (Year) |
|---|---|
| Camp Navajo established and activated | July 1942 |
| Munitions surveillance testing begins | Unknown |
| All operations at NAAD-20 ceased | 1979 |
| Installation-wide Preliminary Assessment conducted | 1979 |
| RCRA Facility Assessment conducted | 1993 |
| UXO surface sweep and disposal conducted by AZARNG | 1995 |
| RI conducted | 2000 |
| Airborne geophysical survey conducted | 2002 |
| Chemical constituent soil investigation completed | 2002 |
| Footprint reduction project conducted | 2003 |
| Anomaly excavations and evaluation of the quality and usability of the airborne geophysical data completed | 2004 |
| MEC characterization, corrosion study, and Hazard Assessment conducted | 2006 |
| DD for MEC completed | 2009 |
| First Five-Year Review Report | April 2011 |
| After Action Report for MEC response actions finalized | 2014 |
| DD for chemical constituents completed | 2014 |
| Second Five-Year Review Report | October 2015 |
| Camp Navajo Master Plan updated | November 2017 |
| Land Use Control Implementation Plan | August 2018 |

AZARNG – Arizona Army National Guard
DD – Decision Document
MEC – munitions and explosives of concern
RCRA – Resource Conservation and Recovery Act
RI – Remedial Investigation
UXO – unexploded ordnance

## 6.2 PHYSICAL CHARACTERISTICS

NAAD-20 is located along the southeastern Camp Navajo boundary near Metz Tank in the Buffer Area. NAAD-20 encompasses approximately 40 acres of land within the former operational footprint of NAAD-20 and an additional 1-acre, arc-shaped parcel of land along the northern boundary (**Figure 12**). NAAD-20 consists of a large, open, rectangular prairie surrounded on three sides by forested hillsides. The prairie is approximately 3,000 feet long and 600 feet wide. A locked gate (Camp Navajo Gate 15) at the Limited Area Perimeter Road provides access to NAAD-20 and a gravel road along the northern side of the site connects to a road along the installation boundary fence on the southern side. A secondary unimproved road parallels the southeast boundary. NAAD-20 is open to the Buffer Area on the northern, eastern, and western boundaries (National Guard Bureau, 2009).

## 6.3 HISTORY OF CONTAMINATION

NAAD-20 was used for surveillance testing of controlled quantities of conventional types of munitions. Items tested included small arms munitions, 3.5-inch rocket motors, and hand-thrown and rifle-fired grenades. Standard procedures required that all malfunctioned items be recovered, examined, and sent to the demolition area for destruction, or be destroyed in place if deemed too hazardous to move. The precise period of range activity has not been reported, but surveillance activities reportedly ceased by 1979 and were confirmed to have ceased by 1986. No range target activity or munitions disposal is known to have occurred at NAAD-20. NAAD-20 is part of the operational range and is actively used for military training, except in 2002, when temporary administrative restrictions were implemented by the Garrison Commander to allow MEC investigations to proceed (National Guard Bureau, 2009).

## 6.4 INITIAL RESPONSE

AZARNG conducted a UXO surface sweep and disposal operation in May 1995 at NAAD-20 to prevent untrained personnel from coming into contact with potentially live ordnance during nonintrusive field activities. The sweep covered a large portion of the OB/OD Area and Buffer Area, including NAAD-20; however, the results of the sweep at NAAD-20 were not specifically reported (National Guard Bureau, 2009).

In 2003, MEC was removed at NAAD-20 to permit safe travel by Camp Navajo Security and Fire Protection services on primary and secondary roadways and along designated fence lines. The results of the investigation yielded a considerable amount of MD that could not be directly associated with a particular munition (National Guard Bureau, 2009).

A Supplemental MEC Characterization Project of the former OB/OD Area, including NAAD-20, was performed in 2005. No MEC was discovered in the three randomly selected grid cells, but MD, consisting of pieces of grenade spoons and debris from 3.5-inch rockets, was discovered (National Guard Bureau, 2009).

MEC characterization activities were performed in 2006 in two suspected primary MEC source area cinder pads and secondary MEC source areas identified in NAAD-20. The

primary MEC source area investigations revealed no MEC, but recovered approximately 975 pounds of range-related debris and MD. Most of this debris was munitions packaging materials and small grenade components, which were consistent with the types of debris expected. The MEC characterization completed in secondary MEC source areas resulted in the recovery of one M404A1 fuze and one discernable MD fragment (a 40-mm expended smoke projectile) containing smoke residue (National Guard Bureau, 2009).

## 6.5 BASIS FOR TAKING ACTION

Information obtained during MEC characterization activities indicated that additional MEC could remain at NAAD-20 and baseline and updated MEC HAs were conducted. The updated MEC HA increased the number of contact hours from very few (less than 10,000 receptor contact hours per year) to few hours (10,000 to 99,999 receptor contact hours per year) to address potential land use needs and incorporated the full surface MEC removal. A revised Hazard Level (1 – 4, score of 1 being the highest potential hazard) was assigned for each area (National Guard Bureau, 2009).

The results of the updated MEC HA for NAAD-20 indicated a Hazard Level 3, which suggests current restricted-access use and reasonably anticipated future uses that include up to 99,646 annual contact hours of nonintrusive activities are compatible with conditions at NAAD-20; however, any future uses of NAAD-20 will include site-specific MEC awareness training and oversight by range management personnel to ensure the types of training and other activities being performed remain consistent with site conditions (National Guard Bureau, 2009).

## 6.6 REMEDIAL ACTIONS

### 6.6.1 REMEDIAL ACTION OBJECTIVES

The primary RAO for NAAD-20 as described in the 2009 DD (National Guard Bureau, 2009) was to *ensure the protection of human health and the environment, commensurate with planned military land use. Secondary RAOs include the following:*

- *Ensure that future land use remains consistent with the military training and storage missions.*
- *Ensure that future site conditions remain consistent with the characterization data used to determine site risk.*
- *Ensure that the LUCs remain appropriate for future land use and site conditions, or are updated to remain protective if future land use and/or site conditions change within the limits of the RAOs listed above.*

The secondary RAOs will be used to evaluate the selected response actions during recurring reviews to assure the long-term protection of human health and the environment.

### 6.6.2 Remedial Action Description

The remedial action in the 2009 DD is *[No DoD Action Indicated] /Mission-related LUCs which includes site closeout tasks, recurring reviews, and the requirements summarized in Army and DoD regulations for range management and safety that include existing site physical controls and access prevention measures, security patrols, and MEC awareness and safety training* (National Guard Bureau, 2009).

### 6.6.3 Remedy Implementation

The components of the mission-related LUCs include closeout tasks and recurring reviews. Mission-related LUCs were implemented, prior to the 2009 DD, to support the training and storage missions at Camp Navajo and included MEC awareness safety training; USAEC, ARNG, AZARNG, and DDESB approval for lease or transfer; Camp Navajo access controls (manned entry points at the installation boundary, security patrols, and recreational user daily check-ins) and boundary fences and signs; Limited Area boundary fences, locked gates, and signs; RECs; and Camp Navajo Excavation and Flame Permits (DAWSON, 2018).

The Camp Navajo Real Property Master Plan was updated with NAAD-20's boundaries, pertinent features, and information regarding land use restrictions and controls. The Camp Navajo LUCIP was finalized in August 2018 and describes the mission-related and site-specific LUCs implemented at NAAD-20. The site-specific administrative LUCs that apply to NAAD-20 include no residential development, restricted intrusive activities, and no offsite transport or disposal of MEC, MPPEH, or MD without proper inspection, certification, and management. No site-specific physical LUCs are in place at NAAD-20, as DDESB determined the mission-related LUCs are sufficiently protective for NAAD-20 (DAWSON, 2018).

The first annual review of NAAD-20 was performed in May 2016 and consisted of a physical site inspection and administrative records review. Annual inspection findings are documented in the annual LTM Groundwater Monitoring and LUC Reports. Annual LUC inspections and reports are ongoing.

### 6.6.4 Operations and Maintenance

O&M activities at NAAD-20 consist of:

- Annual LUC inspections,
- As needed LUC maintenance, and
- Annual LTM Reports.

The LUC inspection requirements include the following and findings are documented in the Annual LTM Report (DAWSON, 2018):

- Inspection of installation perimeter fencing along the southern boundary of NAAD-20, gates, and signage for evidence of damage.

- Inspection of physical conditions for evidence of traffic off designated roads or use of the land not in accordance with current LUCs.
- Inspection of the physical conditions of the land surface for evidence of erosion or frost heave that could result in the movement or exposure of MEC.
- Visual and analog inspection to determine the presence/absence of significant accumulations of MD or MEC.

Based upon review of the Annual LTM Reports since the previous Five-Year Review, standing water was present at the northwestern end of NAAD-20 in 2016-2019, as well as along the drainage extending southeast to Rogers Lake in 2019. The 2017 Annual LTM Report noted that some training documents dated from 2013 and maps depicting the boundaries of NAAD-20 were not current. This was resolved by the issuance of updated maps, Geographic Information System data, and MEC Awareness Training materials (TEC-Weston, 2018). During the 2018 and 2019 inspections, a disturbance of the land surface was observed near the access road, east of the Pyrotechnic Tank. The surface disturbance was a linear feature approximately 80 feet in length and 1 to 2 feet wide (**Figure 12**). Interviews with Range Control did not yield information as to the origin of the linear feature and Camp Navajo personnel were reminded that intrusive activities are restricted at NAAD-20 and should not be conducted without prior approval (Weston, 2019a). The 2019 Annual LTM Report noted that the surface disturbance remained unchanged (Weston, 2020). Finally, in 2019, several expended pyrotechnic rounds were observed and determined to be MD by the UXO Technician III, and evidence of minor frost heave was observed estimated at approximately 1 inch (Weston, 2020).

## 6.7 PROGRESS SINCE THE SECOND FIVE-YEAR REVIEW

The following presents the protectiveness statement presented in the previous Five-Year Review Report for NAAD-20 (USACE, 2015):

*The remedy at NAAD 20 is protective of human health and the environment. The remedy is LTM consisting of LUCs and inspections. The remedy is protective for the following reasons:*

- *Soil and surface water were investigated. No unacceptable risk due to site-related chemical constituents remain;*
- *The MEC investigation covered 46% of NAAD 20 to a depth of two feet. Based on the lack of MEC, no further investigation or removal was warranted for NAAD 20 to be used for military training.*
- *There are no complete exposure pathways for humans or wildlife. Subsurface exposure to MEC is limited by LUCs and inspections.*
- *LUCs include access restrictions, MEC awareness training, and non-residential land use;*
- *Dig permits and RECs are required for intrusive activities at Camp Navajo and are reviewed by the Environmental Office.*

- *Inspections on an ongoing basis ensure that LUCs remain appropriate for future land use and site conditions.*

There were no issues or recommendations identified during the previous Five-Year Review.

## 6.8 DATA REVIEW

The remedy for NAAD-20 consists of mission-related LUCs; therefore, there was no data generated to be reviewed for this Five-Year Review.

## 6.9 SITE INSPECTION

The last inspection of NAAD-20 was conducted on April 18, 2019 by Weston as part of annual LTM activities. A summary of the annual inspection is presented in Section 6.6.4.

## 6.10 TECHNICAL ASSESSMENT

### 6.10.1 QUESTION A – IS THE REMEDY FUNCTIONING AS INTENDED BY THE DECISION DOCUMENT?

Yes, based on a review of site documents, the remedy implemented at NAAD-20 is functioning as intended by the DD.

Mission-related LUCs designed to ensure the protection of human health and the environment, while supporting training and storage missions, have been implemented. The Camp Navajo Real Property Master Plan has been updated with NAAD-20 boundaries, pertinent features, and information regarding land use restrictions and controls; initial and annual MEC awareness training has been developed; the Camp Navajo LUCIP was finalized with information for NAAD-20; excavation and flame permits are required at NAAD-20; residential development, the use of groundwater or surface water, and offsite transport or disposal of MEC, MPPEH, or MD without proper inspection, certification, and management are prohibited; and annual LUC inspections and reporting are ongoing.

Although a surface disturbance (linear scrape) was observed at NAAD-20 during the 2018 and 2019 LUC inspections and the reason the surface disturbance occurred was unable to be explained by Range Control, this finding does not affect the protectiveness of the remedy. Based on available information, it cannot be determined if the disturbance was part of training activities or not. In addition, mission-related LUCs are in place at NAAD-20 to restrict subsurface exposures to potential MEC and given that the disturbance is surficial, subsurface exposure to MEC has not occurred.

### 6.10.2 QUESTION B – ARE THE EXPOSURE ASSUMPTIONS, TOXICITY DATA, CLEANUP LEVELS AND REMEDIAL ACTION OBJECTIVES USED AT THE TIME OF THE REMEDY SELECTION STILL VALID?

Yes, the exposure assumptions and RAOs used at the time of the remedial action selection are still valid. No changes in exposure assumptions have occurred at NAAD-20, as residential development and groundwater and surface water use are still prohibited,

and intrusive activities remain restricted at NAAD-20. Furthermore, no significant changes in the types of military training or land use were documented during the annual LTM site inspections. As a result, there are no changes to site risk determined using the standardized risk assessment methodology (*2008 Interim Munitions and Explosives of Concern Hazard Assessment (MEC HA) Methodology Document)* at the time of the DD.

The RAOs are also still valid, as mission-related LUCs have been implemented and are effective in ensuring the protection of human health and the environment, commensurate with current and future military land use and the characterization data used to determine site risk.

Since hazards at NAAD-20 are associated with potential explosive risk, not chemical toxicity, a review of toxicity data was not performed as part of this Third Five-Year Review.

### 6.10.3 Question C – Has any other information come to light that could call into question the protectiveness of the remedy?

There is no other information that calls into question the protectiveness of the remedy. No new ecological risks have been identified. There have been no impacts from natural disaster events or weather-related events that have affected the protectiveness of the remedy.

### 6.10.4 Technical Assessment Summary

The remedial action at NAAD-20 was implemented and is functioning as intended. Mission-related LUCs have been implemented and are effective at ensuring the protection of human health and the environment, commensurate with current and future military land use (i.e., training and storage). There were no changes to the exposure assumptions, as changes in land use were not documented or observed since the previous Five-Year Review. In addition, standardized risk assessment methodology and RAOs utilized at the time of the DD are still valid. No other information that could affect the protectiveness of the remedy was noted.

## 6.11 ISSUES

No issues were identified during this Five-Year Review that prevent the remedy from being protective now or in the future.

## 6.12 RECOMMENDATIONS AND FOLLOW-UP ACTIONS

No recommendations or follow-up actions are required since there were no issues identified during this Five-Year Review that affect current or future protectiveness of the remedy.

## 6.13 PROTECTIVENESS STATEMENT

The remedy at NAAD-20 is protective of human health and the environment.

The response action for NAAD-20 is No DoD Action Indicated/Mission-related LUCs. This response action also involves site closeout tasks, recurring reviews, and range management and safety requirements, which include existing site physical controls and access prevention measures, security patrols, and MEC awareness and safety training.

Annual LUC inspections indicate physical and administrative LUCs are in place to prevent unauthorized activities from occurring to ensure the protection of human health and the environment, commensurate with current and future military land use.

# 7.0 NAAD-40

## 7.1 SITE CHRONOLOGY

Information on site chronology for NAAD-40 is presented below in **Table 5**.

**Table 5 Chronology of NAAD-40**

| Event | Date (Year) |
|---|---|
| Camp Navajo established and activated | July 1942 |
| NAAD-40 in operation | 1966-1981 |
| Installation-wide Preliminary Assessment conducted | 1979 |
| Environmental survey of the Navajo Army Depot performed | 1981 |
| Groundwater and surface water sampling performed | 1984 |
| Two wells installed as part of a training exercise | 1991 |
| RCRA Facility Assessment | 1993 |
| RI/FS conducted | 1994-1997 |
| Supplemental RI performed | 1998-1999 |
| Engineering Evaluation/Cost Analysis performed | 2001 |
| Cover system over the landfill constructed | 2001 |
| LTM groundwater monitoring well rehabilitation and landfill cover system repair performed, and quarterly groundwater sampling initiated | 2005 |
| Sampling frequency reduced to annual monitoring | 2007 |
| Maintenance of the landfill cover system performed | 2008 |
| First Five-Year Review Report | April 2011 |
| DD finalized | 2010 |
| Fence, sign, and barrier inspections and repairs completed | 2013 |
| LTM Work Plan Addendum for Camp Navajo finalized | May 2013 |
| LUC inspection and review conducted | 2014 |
| Second Five-Year Review Report | October 2015 |
| Camp Navajo Master Plan updated | November 2017 |
| LUC Implementation Plan | August 2018 |

DD – Decision Document
LTM – long-term management
LUC – land use control
RCRA – Resource Conservation and Recovery Act
RI/FS – Remedial Investigation/Feasibility Study

## 7.2 PHYSICAL CHARACTERISTICS

NAAD-40 was an approximately 6-acre former sanitary landfill situated on the north side of a shallow, tree-lined, alluvial valley in the eastern part of the Standard Magazine Area of Camp Navajo (**Figure 13**). The valley is bisected by an intermittent stream channel that drains westward**.** The topography and visual observations made during a site visit suggested that NAAD-40 had been developed in several lifts, with the lowest lift extending from the dry stream channel northward to the valley wall. The total elevation difference from the dry stream channel to the upper limit of the landfill was approximately 30 feet. Prior to capping, the only man-made structures at NAAD-40 were a road, perimeter fencing around the waste materials, and several monitoring wells. The unpaved road that bisected the landfill from north to south was used while the landfill was in operation (National Guard Bureau, 2010).

## 7.3 HISTORY OF CONTAMINATION

NAAD-40 reportedly received trash and garbage generated by Camp Navajo activities from the 1940s to 1966. Dried sewage sludge from the wastewater treatment plant was also placed at NAAD-40 until 1981. Other wastes that may have been placed in NAAD-40 included motor oil, paint cans, and medical waste. Placement of waste material at the landfill occurred primarily in the central and eastern portions of NAAD-40 on both sides of the unpaved access road and was placed directly on the ground surface beginning near the northern wall of the valley and extending progressively southward toward the dry stream channel. In addition, waste was placed in four trenches with a total area of approximately 0.5 acres located in the western portion of NAAD-40. Although most of the waste placed in trenches was burned prior to burial, at least some unburned waste was buried in this part of the landfill. Residual debris was also scattered at the surface between the fill area and the trenches. Waste placed in the landfill was generally covered by a thin layer of cinders or soil (National Guard Bureau, 2010).

The depth of waste materials placed in the landfill is variable, but investigation data indicates the materials are 13 to 15 feet thick in parts of the landfill. The eastern portion of the landfill consisted of multiple debris piles, while the western portion contained trenches where waste materials were reportedly deposited and burned before being covered by cinders. However, some wastes placed in trenches were not burned prior to burial. In conjunction with the Engineering Evaluation/Cost Analysis (EE/CA) performed prior to capping of NAAD-40, it was estimated that approximately 60,000 cubic yards of waste were in place at the site (National Guard Bureau, 2010).

## 7.4 INITIAL RESPONSE

### 7.4.1 CONSTRUCTION OF A LOW-PERMEABILITY LANDFILL COVER

An EE/CA evaluated response alternatives and recommended construction of a low-permeability landfill cover at NAAD-40. The response alternative was implemented between September 10 and October 19, 2001. After clearing and grubbing of the landfill surface, the low-permeability final cover was constructed, which consisted of a

compacted soil cap made using clay soils and rock obtained from the borrow area. Once cap construction was complete, the borrow area was graded and recovered with stockpiled topsoil. The landfill cap and the borrow area were hydroseeded with a natural seed mix recommended by the University of Arizona, Coconino County Cooperative Extension. Construction also included placement of rock riprap along the drainage channel that traverses the south side of the landfill, landfill cap perimeter drainage ditch on the north side of the landfill, and storm water runoff outlets. Storm water diversion berms and ditches were lined with biodegradable erosion control blankets. Finally, four landfill gas monitoring probes were installed around the boundary of the landfill (**Figure 13**; National Guard Bureau, 2010).

### 7.4.2 Long-Term Management

LTM activities were initiated in 2005, prior to the 2010 DD, to verify that exposure pathways at NAAD-40 were not complete. The groundwater sampling program consisted of quarterly sampling from 2005 to 2006 and semi-annual sampling from 2007 to 2010. Groundwater samples were initially collected from five wells and analyzed for COCs including metals, volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), total petroleum hydrocarbon (TPH)-diesel range organics (DRO), polychlorinated biphenyls (PCBs), and nitrate/nitrite (Pika International, Inc., 2013).

LUC inspections of NAAD-40 have also been performed since 2005 and consisted of an annual landfill inspection and maintenance, as well as an annual inspection of the landfill cap by a Professional Engineer and elevation points on the cap by a Registered Land Surveyor (Pika International, Inc., 2013).

LUCs were implemented in September 2009, prior to the 2010 DD, and included the notation of LUCs in the Camp Navajo Real Property Development Plan; requirements for USAEC, ARNG, and AZARNG approval for lease or transfer of NAAD-40; installation and boundary fences, barriers, and signs; and Camp Navajo Excavation and Flame permits. In addition, LUCs were implemented to prohibit residential development, the use of groundwater or surface water, and intrusive activities at NAAD-40. Locks were also placed on well surface completions (DAWSON, 2018).

## 7.5 BASIS FOR TAKING ACTION

An HHRA was performed for NAAD-40. Compounds identified as COCs in soil and groundwater during the 1994 to 1997 RI, including metals and organic compounds, were evaluated in the HHRA. Although the HHRA determined there was no potential for adverse health effects as a result of chemical exposure to site soils, shallow perched groundwater, or surface water, and exposure to medical wastes was determined to be minimal since an engineered cap is present at NAAD-40, two potentially mobile compounds (i.e., acetophenone and 1,2,3-trichloropropane) showed predicted concentrations in groundwater greater than their preliminary remediation goals due to potential leaching. Furthermore, hazardous substances in waste still remain at NAAD-40 in subsurface soil (National Guard Bureau, 2010).

## 7.6 REMEDIAL ACTIONS

### 7.6.1 REMEDIAL ACTION OBJECTIVES

Landfill cap inspection, maintenance, groundwater monitoring, and LUC objectives for NAAD-40 are as follows (National Guard Bureau, 2010):

- *Periodically inspect the physical integrity of the landfill cap and drainage system, and maintain as necessary;*
- *Monitor groundwater quality to ensure the effectiveness of the landfill cap;*
- *Evaluate the reproducibility and accuracy of analytical data collected from groundwater monitoring locations;*
- *Verify the protection of groundwater quality by comparing analytical results to screening levels and evaluating the data for trends;*
- *Maintain the integrity of the monitoring well surface completions;*
- *Restrict the use of shallow groundwater within NAAD 40 until contaminant concentrations are determined to be acceptable; and*
- *Restrict activities that could impact the integrity of the landfill cap or monitoring well surface completions.*

Groundwater monitoring will continue at NAAD-40 until analyte and well ramp-down requirements have been met. COCs, which include metals (barium, beryllium, cadmium, total chromium, lead, and mercury), VOCs, SVOCs, TPH-DRO, PCBs, and nitrate/nitrite, may be proposed for deletion from the LTM program based upon concentration results that are either less than their MDL or LOQ for a minimum of the last two consecutive events with ADEQ concurrence (**Figure 7**). If none of the COCs in a monitoring well are detected at concentrations greater than their PALs for two consecutive events, then the well may also be removed from sampling in LTM with ADEQ concurrence (**Figure 8**). In addition, a well may be proposed for deletion from the LTM program if it was dry or contained insufficient water on one or more occasions but satisfied the aforementioned criteria (Weston, 2020).

PALs are derived from AWQSs or EPA RSLs based upon Worksheet #15 of the 2019 Uniform Federal Policy-Quality Assurance Project Plan (Weston, 2019b) and are presented in **Appendix C** of this report.

### 7.6.2 REMEDY DESCRIPTION

The remedy for NAAD-40 is LTM. The LTM *consists of landfill cap inspection and maintenance, groundwater monitoring, and LUCs* (National Guard Bureau, 2010).

*Periodic inspections will be performed to confirm the integrity and to identify the need for repairs to maintain the landfill cap, berms, drainage ditches, fencing, signage, and monitoring wells. Groundwater monitoring will be performed to verify that the landfill cap*

*is effective in preventing migration of COCs to shallow groundwater. Selection of monitoring wells to be included in the LTM program will be based on proximity to the FSL [Former Sanitary Landfill], stratigraphy, and well construction details.*

*Additionally, LUCs will be recorded in the Camp Navajo Real Property Development Plan.*

### 7.6.3 REMEDY IMPLEMENTATION

The remedy of LTM, which includes groundwater monitoring, LUCs, and LUC inspections, is a continuation of activities initiated as part of the initial response to discovery that a contaminant release had occurred at NAAD-40.

#### 7.6.3.1 Groundwater Monitoring

Groundwater samples are collected from five wells (**Figure 13**) and analyzed for metals, SVOCs, and nitrate/nitrite. VOCs, TPH-DRO, and PCBs were removed from the LTM program in 2012 based upon ramp-down criteria (**Figure 7**) (Weston, 2019a).

#### 7.6.3.2 Land Use Controls and Land Use Control Inspections

LUCs continue to be implemented at NAAD-40. According to the LTM Work Plan Addendum, changes to the LUCs took place in 2012 and included removing the fencing surrounding the landfill cap and the plastic erosion control netting (Pika International, Inc., 2013).

Annual LUC inspections of NAAD-40 consist of a visual site inspection and vapor monitoring to record subsurface soil gas concentrations. In addition, the landfill cap is inspected biennially by a Professional Engineer, and elevation points on the cap are surveyed biennially by a Registered Land Surveyor. Annual LUC inspection findings are documented in Annual LTM Reports and the inspections consist of checking the following (Weston, 2019a):

- Physical conditions for evidence of traffic off designated roads or use of the land that is not in accordance with current LUCs.
- LUC perimeter gates and signage for evidence of damage.
- Physical conditions of the land surface for evidence of erosion that could compromise the integrity of the engineered cap.
- Conditions of drainage channels and their effectiveness, including areas of standing water.
- Presence/absence of surface water drainage controls.
- Extent of deficient vegetative cover.
- Evidence of large animal presence, including traffic and burrowing.

Vapor monitoring is performed at four soil vapor monitoring points (VP-1 through VP-4) and six groundwater monitoring wells using a handheld gas meter (**Figure 13**). Analytes

sampled include methane, carbon dioxide, oxygen, carbon monoxide, % lower explosive limit (LEL), and organic vapors. Annual LUC inspections and reports are ongoing, and the next biennial inspection is scheduled for Spring 2020 (Weston, 2019a).

### 7.6.4 Operations and Maintenance

O&M activities at NAAD-40 consist of:

- Annual LUC inspections,
- As needed LUC maintenance,
- Annual groundwater monitoring, and
- Annual LTM Reports.

#### 7.6.4.1 Land Use Control Inspections

Based upon review of the Annual LTM Reports since the previous Five-Year Review, portions of the rip rap along the northern-northeastern edge of the cap were documented as deteriorated and standing water was observed in isolated low areas in 2016 and 2017. Similarly, portions of the rip rap along the northern-northeastern edge of the cap and southern drainage were noted as deteriorated/covered in 2018 and 2019. During the 2016 and 2017 inspections, minor rills were observed along the southwestern edge on the slope to the drainage, while minor erosion was observed on the southern and eastern edges of the landfill cap in 2019. The 2016 Annual LTM Report noted that storm water controls were primarily absent (TEC-Weston Joint Venture, 2017). Remains of straw wattles, bales, and ground cover mesh were observed along the surface drainage and at locations around the cap, but most of the straw wattles or bales were deteriorated beyond the point of being functional. A minor portion of straw wattle was damaged, possibly due to animal feeding/traffic in 2017, as well as being displaced in the northwestern portions of NAAD-40 in 2018 and in the southeastern and western portions in 2019. Based on the 2016 and 2019 Annual LTM Reports, maintenance activities for storm water control were performed in September 2016 and storm water controls (e.g., straw bales and wattle) were replaced in November 2018. In the 2016-2018 Annual LTM Reports, the vegetative cover was described as minimal in some localized areas on the cap and the affected areas were isolated and less than 10 square feet in area; the southwest edge of the cap was also devoid of vegetation in some areas and prone to erosion. In 2019, the vegetative cover was observed to be matted down in localized areas on the cap due to animal bedding and portions of the southwest and eastern edges of the cap were devoid of vegetation in some areas (Weston, 2020). Both the 2016 and 2017 Annual LTM Reports noted a depression south of the landfill cap that may represent a historical excavation or test pit. The feature was topographically low and could accumulate standing water after precipitation events. Multiple animal tracks were observed in 2016, 2017, and 2019 and evidence of burrowing activity was noted at isolated locations on the landfill cap in 2017-2019 (TEC-Weston Joint Venture, 2017, 2018; Weston, 2019a, 2020).

#### 7.6.4.1.1 Biennial Landfill Inspections and Surveys

The required biennial landfill inspection by an Arizona Professional Engineer and survey of 11 landfill cap control points (LF-1 through LF-11) by an Arizona-Registered Land Surveyor took place in May 2016 and June 2018. The inspection consisted of:

- Inspecting the condition of six existing monitoring well monuments, casing, caps, and locks.
- Inspecting the condition of four existing soil gas monitoring probe monuments, casings, caps, and locks.
- Inspect physical conditions for evidence of traffic off designated roads or use of the land that is not in accordance with current LUCs.
- Inspecting the LUC perimeter fencing, gates, and signage for evidence of damage.
- Inspecting the physical conditions of the engineered landfill cap for evidence of damage or erosion that could compromise the integrity of the remedial measure.
- A biennial survey of 11 landfill control points to determine if significant topographic changes are present that would compromise the integrity of the remedial measure (TEC-Weston Joint Venture, 2017; Weston, 2019a).

Both the 2016 and 2018 Biennial Landfill Inspection Reports (TEC-Weston Joint Venture, 2017; Weston, 2019a) indicated that land use was controlled and not impacted by outside interference, as there was no evidence of camping, excavation, off-roading, shooting, hunting, or trapping. Approximately 25 signs were observed along the boundary of the landfill and were upright, legible, and spaced approximately 100 feet apart. Gates and attached signage were observed at the main entry and northern side of the engineered cap in good condition.

In 2016 and 2018, drainages along the north, east, and southern portions of the cap appeared to be functional and conveyed runoff as intended; however, some sections of straw wattle were deteriorated, misaligned, and damaged, rendering them non-functional. Riprap armoring appeared to be in good condition along the north side of the cap and in partial sections along the northeast and eastern embankments; however, the riprap armoring used for the diversion channel within the south-side of the landfill boundary was displaced and the riprap check dam in the southern diversion channel was loosely separated, shallow, and not functional in 2016.

Vegetation was observed on the cap with consistent cover density in 2016 and 2018, but several areas of bare surface spots were observed on the cover, ranging in size from 9 to 15 square feet in 2016 and from 9 to 10 square feet in 2018. In 2016, the south embankment of the landfill along the south diversion channel had several areas of erosion with little to no vegetative cover protecting the side slopes. Some locations were also noted as bare and/or having little to no surface vegetation, but these locations may be affected by seasonal conditions or animal pathways. In 2018, shallow desiccation cracks (2 to 3 inches deep) were observed in a few areas of the cap where vegetation is sparse.

Additionally, the south embankment of the landfill cap had a large bare soil area little to no vegetative cover protecting the slope.

During the 2016 inspection, a former test pit area was observed southeast of PMW-3 and likely outside of the cap. The pit area was approximately 29 feet by 27 feet with a 5-foot center depth. Based on the 2018 biennial inspection, the pit area was backfilled with native soil. Animal tracks were observed in 2016 in several locations, including within the engineered cap, and evidence of grazing animal activity indicated by removal of small areas of vegetation on the cap was observed in 2018.

Groundwater monitoring wells and gas vent monitoring points were observed with monument standpipes (casings) and locked. During both biennial inspections, several standpipes were not labeled and/or had faded marking; standpipes that were originally coated showed deterioration, exposing the metal to corrosion; and some standpipes that were uncoated had exposed bare steel casing. Some of the concrete on well and monitoring points were also cracked or separated.

Between the 2014 and 2016 biennial surveys, the elevation difference ranged from -0.009 meters in LF11 to 0.017 meters in LF7. Between the 2016 and 2018 biennial surveys, the elevation difference ranged from -0.026 meters in LF1 to 0.007 meters in LF9. The data from these surveys indicate that minimal settlement has occurred on the landfill surface since the previous Five-Year Review.

In addition, the 2019 Annual LTM Report noted that a revision to the inspection frequency may be proposed upon completion of the Spring 2020 inspection since the physical conditions of the landfill cap are stable and significant deterioration of physical conditions have not been observed since 2016. Instead, inspections by a Professional Engineer and surveys by a Registered Land Surveyor would coincide with Five-Year Reviews to determine potential repairs or modifications to the cap, if necessary (Weston, 2020).

#### 7.6.4.1.2 Vapor Monitoring

Vapor monitoring is performed annually at NAAD-40 as part of the LUC inspection to collect ambient readings and measure soil vapor concentrations. Vapor monitoring includes collecting subsurface soil gas concentrations and ambient measurements from four landfill gas monitoring points (vapor monitoring wells) located around the boundary of the engineered landfill cap (Weston, 2019a), as well as from six groundwater monitoring wells. A vapor point did not have a lock on the monument cover in 2016 and 2017 and the 2016-2018 Annual LTM Reports documented that locks on other vapor points and monitor wells were difficult to open and close; however, the locks on all wells were replaced with thinner shackles for easier operation in November 2018 and were operable (Weston, 2020). In addition, the concrete support pad at several wells and vapor probes were observed to be fragmented or cracked in 2016-2019. In 2016 and 2019, signs were observed to be either misaligned or missing at the southwestern corner of the LUC perimeter. Finally, evidence of minor surface soil movement due to frost heave was observed during the 2019 inspection. Additional repairs to the concrete support pads,

painting of monuments, storm water controls, and additional aspects of the landfill cap are proposed for completion in 2020 (Weston, 2020).

#### 7.6.4.2 Groundwater Monitoring

Groundwater monitoring is conducted to verify that the landfill cap continues to minimize the potential for infiltration and leaching of contaminants being managed in place (National Guard Bureau, 2010). Annual groundwater monitoring activities conducted at NAAD-40 include the following (Weston, 2019a):

- Measurement of static groundwater elevations in selected wells.
- Collection of groundwater parameters, including pH, temperature, specific conductivity, ORP, DO, and turbidity, during purging of five monitoring wells.
- Collection of groundwater samples for analysis of metals (arsenic, barium, beryllium, cadmium, chromium, lead, and mercury), SVOCs, and nitrate/nitrite.

Based on the results of the Groundwater Protection Screening Evaluation for NAAD-40, one potentially mobile SVOC (acetophenone) was identified (National Guard Bureau, 2010). As a result, the LTM groundwater monitoring program includes an SVOC suite to monitor groundwater quality to ensure the effectiveness of the landfill cap. All analytical results for NAAD-40 COCs are compared to PALs, which are based on Arizona AQWSs or EPA RSLs (MCLs), to monitor groundwater quality and evaluate trends (Weston, 2019a).

## 7.7 PROGRESS SINCE THE SECOND FIVE-YEAR REVIEW

The following presents the protectiveness statement presented in the previous Five-Year Review Report for NAAD-40 (USACE, 2015):

*The remedy at NAAD 40 is protective of human health and the environment. The remedy is LTM consisting of LUCs, groundwater monitoring and inspections. The remedy is protective for the following reasons:*

- *There are no complete exposure pathways for humans and wildlife. The landfill cap prevents direct exposure to waste and protects groundwater quality;*
- *No COCs exceed screening levels in groundwater and surface water. Very low levels of carbon dioxide (0.1 to 0.3%) were detected in gas monitoring probes and groundwater wells. No carbon monoxide, organic vapors, or explosive gases have been detected;*
- *LTM includes landfill cap inspections and maintenance, landfill gas and groundwater monitoring is conducted annually to identify changes in site conditions;*
- *LUCs include non-residential use and access restrictions;*

- *"No Unauthorized Admittance" signs are installed at 100-foot intervals around the boundary. These signs were observed to be in good condition during the site inspection;*
- *Dig permits and RECs are required for intrusive activities at Camp Navajo and are reviewed by the Environmental Office;*
- *Inspections on an ongoing basis ensure that LUCs remain appropriate for future land use and site conditions; and*
- *Groundwater monitoring is conducted annually to confirm the protectiveness of the remedy.*

There were no issues or recommendations identified during the Third Five-Year Review.

## 7.8 DATA REVIEW

### 7.8.1 GROUNDWATER MONITORING

Five groundwater samples were collected and analyzed for metals (arsenic, barium, beryllium, cadmium, chromium, lead, and mercury), SVOCs, and nitrate/nitrite during the 2015-2017, and 2019 annual groundwater monitoring events. Only four wells were sampled in 2018 due to one well being too dry for sample collection. Concentrations of two target analytes (nitrate/nitrite and barium) were greater than the reporting limit or LOQ in all wells sampled but were less than their respective PALs during the 2015-2019 sampling events. In addition, arsenic, cadmium, chromium, nitrate/nitrite, and bis(2-ethylhexyl) phthalate were detected at estimated concentrations in all groundwater monitoring events since the previous Five-Year Review, but none of the analytes exceeded their respective PAL. During the 2019 annual event, 1,4-dioxane was the only detected SVOC, and the only analyte that exceeded its PAL (0.46 µg/L) in two samples (0.703 and 0.997 µg/L) (Weston, 2020). Ramp-down criteria for analytes and wells at NAAD-40 were not met during the 2015-2019 annual groundwater monitoring events. Cumulative analytical data for NAAD-40 is presented in **Appendix C.**

Groundwater flow at NAAD-40 is variable and sometimes divergent; the general flow direction is away from PMW-2 in the northwest and toward both PMW-4 in the southwest and PMW-1 to the southeast (**Figure 14**). The calculated gradient ranges from less than 0.021 feet per foot at the western end of NAAD-40 to more than 0.024 feet per foot towards PMW-1 at the southeast corner (Weston, 2020).

The detections and distribution of analytes at NAAD-40 reflect relatively stable conditions compared with historical sampling data. In general, COCs have not been identified at concentrations greater than the PALs.

### 7.8.2 VAPOR MONITORING

Vapor monitoring is performed at NAAD-40 to identify the presence of a class of compounds without quantifying a specific compound. As a result, vapor monitoring data

does not have associated PALs, as the data is used in a qualitative manner to evaluate environmental conditions (Weston, 2019b).

Gas vapor monitoring was conducted at four gas vent monitoring probes and six groundwater monitoring wells located at NAAD-40 (**Figure 13**). Carbon dioxide was detected in monitoring probes and groundwater wells at levels ranging from 0.02% to 1.2% in 2016-2019. Additionally, very low levels of methane (0.1% and 0.4%) were detected in 2015 and 2017. Methane was not detected in any of the wells monitored in 2016 and 2019, and, in 2018, measurements of methane were detected in one groundwater well (0.9%). A % LEL of 0.001% was measured at one gas vent during the 2015 and 2016 sampling events, and a measurable % LEL was present in one groundwater well (2%) and two monitoring points (1%) in 2018; a measurable % LEL was not present in any of the wells in 2017 and 2019. In 2015, 2016, 2018, and 2019, carbon monoxide was not detected in any of the monitoring probes or groundwater wells. Carbon monoxide was detected at concentrations ranging from 3 to 14 parts per million and organic vapors were present in two wells at 0.1 parts per million 2017. Organic vapors were present in seven of the 10 groundwater wells and monitoring points in 2018 and were detected at low levels (0.1% and 0.3%) at two groundwater monitoring wells in 2019. During the 2016-2019 sampling events, oxygen concentrations measured in monitoring wells were similar to the ambient conditions or slightly lower, while oxygen concentrations in vapor monitoring points were less than ambient conditions, ranging from 13.4% to 19.7% (TEC-Weston Joint Venture, 2017, 2018; Weston, 2019a, 2020).

## 7.9 SITE INSPECTION

The last inspection of NAAD-40 was conducted on April 29, 2019 and May 3, 2019 by Weston as part of annual LTM activities. A summary of the annual inspection is presented in Section 7.6.4.2.

## 7.10 TECHNICAL ASSESSMENT

### 7.10.1 QUESTION A – IS THE REMEDY FUNCTIONING AS INTENDED BY THE DECISION DOCUMENT?

Yes, based on a review of site documents, the remedy implemented at NAAD-40 is functioning as intended by the DD.

The annual LUC inspections documented in the Annual LTM Reports indicate that the physical conditions of the landfill cap are stable and significant deterioration of physical conditions have not been observed since 2016. Although storm water controls were observed to be deteriorated or even absent, maintenance is performed at NAAD-40 as needed. In addition, several vapor points and monitoring wells were noted as difficult to open and close due to the locks, but these were replaced with thinner shackles for easier operation in November 2018.

LUCs have been implemented at NAAD-40 and are effective. The Camp Navajo Real Property Master Plan has been updated with LUCs; excavation and flame permits are required at NAAD-40; and residential development, the use of groundwater or surface

water, and intrusive activities are prohibited. Finally, there was no observed evidence of land disturbance, vehicle traffic, or camping not in accordance with LUCs at NAAD-40.

Groundwater monitoring is performed annually, and the analytical data indicate that COCs identified in the DD have not been identified at concentrations greater than the PALs. The detections and distribution of analytes at NAAD-40 indicate relatively stable conditions indicating the remedy is functioning as designed. The Annual LTM Reports also document the data quality assessment and, based on these assessments, no significant data omissions or gaps have occurred since the previous Five-Year Review that limited the ability to make decisions regarding LTM requirements, and discrepancies were able to be rectified.

### 7.10.2 Question B – Are the exposure assumptions, toxicity data, cleanup levels and remedial action objectives used at the time of the remedy selection still valid?

Yes, the exposure assumptions, toxicity data, and RAOs used at the time of the remedy selection are still valid. No changes in exposure assumptions have occurred at NAAD-40, as residential development, groundwater and surface water use, and intrusive activities are still prohibited at NAAD-40. Furthermore, no changes in the types of land use or recreational activities were documented in the annual LUC inspection reports.

The RAOs are still appropriate, as the landfill cap and surface water drainage system are inspected annually and maintained as needed, and annual groundwater monitoring is performed at NAAD-40 to ensure the effectiveness of the landfill cap. The Annual LTM Reports evaluate the quality of the analytical data collected, compare analytical results to PALs, and evaluate data trends. In addition, the monitoring well surface completions are inspected annually and maintained, and LUCs continue to restrict the use of shallow groundwater, as well as any activities that could potentially impact the integrity of the landfill cap or monitoring well surface completions.

**Appendix D** presents the screening levels at the time of the DD compared to the current PALs presented in the 2019 Annual LTM Report. For all analytes, PALs are the most recent Arizona AWQS (2016) or EPA RSL (MCL from November 2019). Based on the evaluation of changes to screening levels for COCs, no change in risk has occurred since historical screening levels are lower than current PALs.

During the 2019 LTM event, 1,4-dioxane was detected in groundwater at concentrations exceeding the PAL. The detections are not likely indicative of a new source of contamination; laboratory limits of detection for 1,4-dioxane were an order of magnitude lower during this event, allowing for quantification of the low concentrations present.

The potentially complete exposure pathway for 1,4-dioxane in groundwater is for the potential future use of NAAD-40 groundwater as drinking water. Although regionally, groundwater is a significant source of potable water, it is unlikely NAAD-40 groundwater would be used as a source of drinking water or that groundwater at NAAD-40 would be hydraulically connected to a production well.

Groundwater at NAAD-40 is contained in a shallow, perched water-bearing zone. NAAD-40 wells have generally low yield and recharge, as documented during LTM events. Although both dry and wet underlying subsurface deposits below the perched interval have been identified, no water-yielding intervals have been found (Weston, 2020). The low volume and limitations on yield make use of this groundwater as a source of potable water unlikely.

LUCs in place for the installation restrict the use of groundwater, preventing the installation of groundwater production wells at NAAD-40 (National Guard Bureau, 2010).

The water-bearing intervals of the Wild Bill Hill basalt used as sources for potable water are limited in areal extent. There are currently no production wells in the vicinity of NAAD-40 (National Guard Bureau, 2010) and the likelihood of groundwater being hydraulically connected to a production well is very low.

A screening level for 1,4-dioxane was not defined in the DD; however, the PAL identified by the LTM program is the EPA residential use RSL (tap water), based on an excess cancer risk of $10^{-6}$ (Weston, 2020). PALs are based on future residential use (drinking water) to meet RAOs to verify protection of groundwater quality and restrict use of NAAD-40 groundwater until concentrations are acceptable (National Guard Bureau, 2010).

The calculated excess cancer risk associated with the detected values from the 2019 LTM event, as well as the highest detection limit for non-detect result from 2016 LTM event, are all within the acceptable target range ($10^{-6}$ to $10^{-4}$).

Calculated non-cancer risk associated with the detected values from the 2019 LTM event, as well as the highest detection limit for non-detect result from 2016 LTM event are well below the target threshold of 1.

The presence of 1,4-dioxane in groundwater greater than the PAL does not affect the short- or long-term protectiveness of the remedy.

### 7.10.3 Question C – Has any other information come to light that could call into question the protectiveness of the remedy?

There is no other information that calls into question the protectiveness of the remedy. No new ecological risks have been identified. There have been no impacts from natural disaster events or weather-related events that have affected the protectiveness of the remedy.

### 7.10.4 Technical Assessment Summary

The remedy at NAAD-40 was implemented and is functioning as intended by the DD. Annual LTM groundwater monitoring performed since 2005 indicates COCs are relatively stable, and the data suggests the landfill cap is effective. Annual LUC inspections are also ongoing and did not indicate any significant issues at NAAD-40. Storm water controls were observed to be deteriorated and several vapor points and monitoring wells were

noted as difficult to open, but maintenance is performed as needed. Mission and site-related administrative LUCs were implemented at NAAD-40 and are effective, as there was no evidence of changes in land use, including intrusive activities or other activities that could disturb the landfill cap or monitoring well surface completions, or the use of shallow groundwater. The exposure assumptions, toxicity data, and RAOs used at the time of the remedy selection are still valid. Changes to screening levels for NAAD-40 COCs did not result in a change to risk since historical screening levels are lower than current PALs.

## 7.11 ISSUES

No issues were identified during this Five-Year Review that prevent the remedy from being protective now or in the future.

## 7.12 RECOMMENDATIONS AND FOLLOW-UP ACTIONS

No recommendations or follow-up actions are required since there were no issues identified during this Five-Year Review that affect current or future protectiveness of the remedy.

## 7.13 PROTECTIVENESS STATEMENT

The remedy at NAAD-40 is protective of human health and the environment.

Annual LUC inspections indicate the physical conditions of the landfill cap are stable and the surface water drainage system is being maintained as needed to prevent erosion to ensure the landfill cap's integrity. Annual LTM groundwater monitoring suggests the concentrations of COCs are relatively stable and the landfill cap is functioning to minimize the potential for infiltration and migration of contaminants that could impact groundwater quality. Annual LUC inspections indicate LUCs are in place to restrict the use of shallow groundwater within NAAD-40, as well as activities that could impact the integrity of the landfill cap or monitoring well surface completions.

# 8.0 NAAD-43

## 8.1 SITE CHRONOLOGY

Information on site chronology for NAAD-43 is presented below in **Table 6.**

**Table 6 Chronology of NAAD-43**

| Event | Date (Year) |
|---|---|
| Camp Navajo established and activated | July 1942 |
| NAAD-43 used for disposal of construction debris | 1959-1974 |
| Installation-wide Preliminary Assessment conducted | 1979 |
| RCRA Facility Assessment conducted | 1993 |
| RI/FS conducted | 1995-1996 |
| Removal action consisting of soil excavation and verification sampling performed | 1998-2001 |
| NAAD-43 designated as Construction Complete, No Further Remedial Action | 2004 |
| O&M plan and LUCs developed, and site inspection and maintenance activities initiated | 2005 |
| Maintenance performed | 2008 |
| DD completed | 2010 |
| First Five-Year Review Report | April 2011 |
| Second Five-Year Review Report | October 2015 |
| Camp Navajo Master Plan updated | November 2017 |
| LUC Implementation Plan | August 2018 |
| Technical Memorandum for Compliance Evaluation of Soil finalized | May 2019 |
| Cultural Resources Survey performed | August 2019 |

DD – Decision Document
LUC – land use control
O&M – operations and maintenance
RCRA – Resource Conservation and Recovery Act
RI/FS – Remedial Investigation/Feasibility Study

## 8.2 PHYSICAL CHARACTERISTICS

NAAD-43 originally included five separate former construction debris landfills (FCDLs), #1-5, located in the northwest part of Camp Navajo. The five FCDLs included a total of approximately 38.3 acres. FCDLs #1-4 were located in the northwestern portion of the Warehouse Area. FCDL #5 is situated in the northwestern Buffer Area west of Old Indian

Village (**Figure 15**). The FCDLs were identified based on aerial photograph interpretations and subsequent site inspections. No hazardous substances were identified at FCDLs #1-4, thus no unacceptable risks associated with site-related chemical constituents for these sites. Consequently, no further action was granted for FCDLs #1-4 and their IRP status is considered response complete (National Guard Bureau, 2010). FCDL #5 is the only FCDL evaluated as part of this Five-Year Review.

## 8.3 HISTORY OF CONTAMINATION

The operational history of NAAD-43 is unknown, but analysis of aerial photographs indicates the FCDLs were active from 1959 through 1974. FDCL #5 contained visible material at the surface, but inspections identified areas where debris was deposited in trenches and earthmoving covered portions of the debris. Materials disposed at FCDL #5 included wood, concrete, brick, metal, glass, asphalt, roofing materials, ceramic tiles, and asbestos-containing shingles. Much of the material disposed at FCDL #5 was likely burned, then the remnant debris was consolidated in a mound at the center of the FCDL area (National Guard Bureau, 2010).

## 8.4 INITIAL RESPONSE

Soil and debris excavation and disposal were conducted in several phases in June through July 1999, November 1999, December 1999, January 2001, and May 2001. A response action was conducted at FCDL #5 from October 1998 to May 2001 and consisted of completing site characterization; removing surface soil and construction debris; characterizing waste soils and debris for transport and disposal; conducting post-excavation confirmation sampling; and documenting project activities in a site closure report. Portions of the area were excavated to bedrock, and other portions were excavated to native soil. At the conclusion of the excavation, no visible debris remained at FCDL #5. Confirmation soil samples were collected following each phase of excavation to demonstrate that COC concentrations were less than Non-Residential Soil Remediation Levels (NR-SRLs), which had been designated as the appropriate action levels for FCDL #5. Results of confirmation sampling conducted following the January 2001 excavation phase indicated that detected constituents remaining in soil were less than NR-SRLs, except for arsenic, which was attributed to naturally occurring background concentrations in soils at Camp Navajo, and a single location where the polycyclic aromatic hydrocarbon (PAH) benzo[a]pyrene exceeded the action level. To address the PAH result, limited over-excavation of soil was conducted in May 2001. Because the additional excavation removed all soil to the bedrock interface, confirmation sampling was considered unnecessary. Upon completion of the response action, a total of approximately 11,665 tons of soil was removed and disposed of; the excavated area was not backfilled. Following the remedial action, ADEQ considered FCDL #5, “Construction Complete, No Further Remedial Action” (National Guard Bureau, 2010).

## 8.5 BASIS FOR TAKING ACTION

An HHRA was performed for FCDL #5 prior to the 1999-2001 excavation activities. Compounds identified as COCs in soil during the 1996-1997 RI, including metals and

organic compounds, were evaluated in the HHRA. The HHRA determined that the cumulative carcinogen risk exposure probability exceeded the target risk range determined by EPA to be safe and protective of public health. The primary contributor to the risk estimates were the PAHs, particularly benzo(a)pyrene (National Guard Bureau, 2010).

The 2001 remedial action involved excavating impacted soil and construction debris to meet non-residential screening criteria. Confirmation sample results indicated that residual COC soil concentrations were less than screening levels and unacceptable risks to human health under a non-residential use scenario no longer remained at FCDL #5; however, the Remedial Action Report concluded that concentrations of PAHs were greater than R-SRLs and small isolated pieces of waste debris may continue to surface due to frost heave or swelling of the expansive clay soil (National Guard Bureau, 2010).

### 8.5.1 Ecological Risk Assessment

A screening-level Ecological Risk Assessment was conducted for COCs in soil at FCDL #5. The receptors of concern were cattle, elk, pronghorn antelope, Mexican vole, northern goshawk, herbaceous plants, herbivorous mammals, and predatory birds. The COCs in surface soil (0 to 1 foot bgs) consisted of metals (arsenic, barium, beryllium, cadmium, chromium, lead, mercury, selenium, and silver). With the exception of TPHs, all detected organic compounds (SVOCs, PAHs, and 4,4-dichlorodiphenyldichloroethane) also were designated as COCs in surface soil (National Guard Bureau, 2010).

The assessment concluded that barium, chromium, and/or lead in surface soils may pose an adverse impact to some terrestrial receptors of concern; however, the reasonable maximum exposure concentrations for barium and chromium did not exceed ambient concentrations for Camp Navajo. For the organic COCs, specifically anthracene, benzo(a)anthracene, benzo(b)fluoranthene, chrysene, fluoranthene, phenanthrene, and/or pyrene, the Ecological Risk Assessment concluded that their presence in surface soils posed potential adverse risk to the Mexican vole, elk, cattle, fescues, and other herbaceous plants. Subsequent remedial action mitigated the unacceptable risks associated with COCs in soil by excavating impacted soil and construction debris and confirmation sample results indicated that residual COC soil concentrations were substantially reduced (National Guard Bureau, 2010).

## 8.6 REMEDIAL ACTIONS

### 8.6.1 Remedial Action Objectives

The RAOs for NAAD-43 as described in the 2010 DD are as follows (National Guard Bureau, 2010):

- *Periodically inspect the land surface for debris, and collect and dispose as necessary;*

- *Periodically inspect the drainage features, and maintain them as necessary to facilitate storm water runoff; and*
- *Restrict activities that could impact the integrity of the land surface and drainage features.*

### 8.6.2 REMEDY DESCRIPTION

The remedy for NAAD-43 is LTM. The LTM *consists of inspections, maintenance, and LUCs* (National Guard Bureau, 2010).

*Periodic inspections will be performed to confirm the integrity of the land surface and drainage features, and to identify the need to remove debris or maintain the drainage features and signage.*

*Additionally, LUCs will be recorded in the Camp Navajo Real Property Development Plan.*

### 8.6.3 REMEDY IMPLEMENTATION

#### 8.6.3.1 Land Use Controls

LUCs were implemented in September 2009, prior to the 2010 DD, and included the notation of LUCs in the Camp Navajo Real Property Development Plan; requirements for USAEC, ARNG, and AZARNG approval for lease or transfer of FCDL #5; facility access controls, such as manned entry points at the installation boundary and security patrols; installation and FCDL #5 boundary fences, barriers, and signs; and Camp Navajo Excavation and Flame permits.

Since 2005, FCDL #5 access restrictions are visually reviewed during the Annual LTM inspections and the findings are documented in the annual LTM Groundwater Monitoring and LUC Reports (Weston, 2020).

The LUC inspections include the following and are documented in Annual LTM Reports (Weston, 2020):

- Inspection of physical conditions for evidence of traffic off designated roads or use of the land that is not in accordance with current LUCs.
- Inspection of the physical conditions of the land surface for evidence of erosion that could compromise the integrity of the remedial measure.
- Inspection of LUC perimeter signage for evidence of damage or deterioration.
- Inspection of the physical conditions of the site to determine the presence/absence of FCDL debris.
- Inspection of surface water drainage controls.
- Inspection of visible FCDL debris for subsequent disposal.

### 8.6.4 Operations and Maintenance

O&M activities at NAAD-43 consist of:

- Annual LUC inspections,
- As needed LUC maintenance, and
- Annual LTM Reports.

Based upon review of the Annual LTM Reports since the previous Five-Year Review, the vegetation in the FCDL #5 area was described as minimal in some areas but did not show signs of excessive erosion in 2016-2019. Evidence of siltation was observed on the western side of FCDL #5 in 2016 and 2017, but was noted as very dry with desiccation observed in localized areas during the 2018 and 2019 annual inspections. The 2016 and 2017 Annual LTM Reports documented a large body of standing water in topographic depressions due to seasonal precipitation or runoff, and some infilling at the center was evident in 2019. All the Annual LTM Reports since the previous Five-Year Review observed minor to significant damage to most of the straw wattles and bales at FCDL #5, likely due to animal feeding. According to the 2019 Annual LTM Report, storm water control materials were replaced in November 2018 (Weston, 2020). Multiple elk tracks were observed at FCDL #5 during the 2016 to 2019 LTM inspections, as well as minor evidence of burrowing activity in 2018 and 2019. Isolated pieces of metal were observed at the surface during all inspections since the previous Five-Year Review. Some signs were noted as missing near the parking area on the north side of FCDL #5 and tilted at the southeast corner and western edge in 2017 and 2018 (TEC-Weston Joint Venture, 2017; Weston, 2019a).

## 8.7 PROGRESS SINCE THE SECOND FIVE-YEAR REVIEW

The following presents the protectiveness statement presented in the previous Five-Year Review Report for the NAAD-43 (USACE, 2015):

*The remedy at NAAD 43 is protective of human health and the environment. The remedy is LTM, consisting of LUCs and inspections. The remedy is protective for the following reasons:*

- *Soil and surface water were investigated, and soil removal actions completed in 2001 mitigated risks associated with soils;*
- *Shallow groundwater was not identified during removal actions. Regional groundwater is found at depths greater than 1,000 feet; There are no current complete exposure pathways;*
- *There are no complete exposure pathways for humans and wildlife at NAAD 43;*
- *LUCs restrict access and residential development at NAAD 43;*
- *Warning signs are installed at 100-foot intervals around the boundary. These signs were observed to be in good condition during the site inspection;*

- *Dig permits and RECs are required for intrusive activities at Camp Navajo and are monitored regularly by the Environmental Office to ensure the protectiveness of the remedy; and*
- *Inspections on an ongoing basis ensure that LUCs remain appropriate for future land use and site conditions, or are updated if conditions change.*

There were no issues or recommendations identified during the previous Five-Year Review. The previous Five-Year Review Report listed recommendations not related to protectiveness as follows (USACE, 2015):

- *Replacement of excavated soils with clean soil and regrading low lying areas may be warranted. Development of a permanent surface water body over a large portion of FCDL #5 could limit observations during inspections.*
- *Additional evaluation of PAHs and an updated [Human Health Risk Assessment] HRA may be warranted in the future. PAHs can be expected to have attenuated time due to natural processes since the HRA was conducted as part of the RI in 2001.*

### 8.7.1 Compliance Evaluation of Soil

A compliance evaluation for soil at NAAD-43 was performed in May 2019 to summarize historical data and evaluate concentrations of COCs for potential closure. This evaluation included additional investigation of PAHs at NAAD-43, as well as an updated risk assessment to address recommendations from the 2015 Five-Year Review. The evaluation compared confirmation sample results from 1999 and 2001 to current EPA and ADEQ risk-based concentrations, including November 2018 RSLs for residential and commercial/industrial land use and ADEQ (2009) R-SRLs and NR-SRLs. Soil sample analytical results also were compared to ADEQ GPLs for leaching in soil. The analytical comparison indicated that PAH concentrations in most locations are greater than risk-based concentrations for residential land use, and benzo(a)pyrene concentrations exceed risk-based concentrations for industrial use at selected locations (Weston, 2019c).

The site-specific risk was then determined using the “sum of ratios” approach to assess compliance of the concentrations remaining in soil at FCDL #5 with the EPA risk-based concentrations (November 2018 RSLs) for residential and commercial/industrial land use and the ADEQ (2009) R-SRLs and NR-SRLs. Site-specific exposure point concentrations were calculated for soil to determine the cumulative excess lifetime cancer risk posed by residual soil contaminants at FCDL #5 (Weston, 2019c).

The compliance evaluation of soil at NAAD-43 determined that the source area debris and associated soil was removed during the remedial actions conducted in 1999 through 2001. PAHs in soil are also not anticipated to degrade water quality in the regional aquifer, as the depth to the regional aquifer is 1,500 to 1,700 feet bgs at Camp Navajo. Regarding site-specific risk, the noncancer hazard index does not exceed the threshold of 1 for both

the residential and non-residential land use scenarios, indicating no noncancer risk to human receptors. Additionally, the cancer risk estimate for the non-residential land use scenario does not exceed the *de minimis* cancer risk threshold. However, under a residential land use scenario, the cumulative cancer risk exceeds the target risk level, and the exposure point concentrations (i.e., 95 upper confidence limit) of benzo(a)pyrene and dibenzo(a,h)anthracene exceed their individual ADEQ R-SRLs (Weston, 2019c).

Based on these conclusions, a visual surface inspection; collection of surface and subsurface soil samples for analysis of PAHs; collection of surface soil samples for analysis of asbestos; and comparison of soil PAH analytical results calculation of site-specific risk using the "sum of ratios" approach to EPA risk-based concentrations for residential land use to identify COCs were recommended at NAAD-43. Following implementation of the recommendations, NAAD-43 may be recommended for restoration and closure if (Weston, 2019c):

- The noncancer hazard index does not exceed the threshold of 1 for both the residential and non-residential land use scenarios.
- The cancer risk estimate for residential and non-residential land use scenarios does not exceed a cancer risk threshold of $1 \times 10^{-5}$.
- Asbestos is not present in soil (less than 1%).

Proposed restoration activities at NAAD-43 include placement of engineered backfill compacted, graded, and vegetated to restore the original FCDL topography and minimize surface water accumulation and erosion. The NAAD-43 restoration activities are pending analytical results of sampling performed in May 2020.

## 8.8 DATA REVIEW

The remedy for NAAD-43 consists of LUCs; therefore, there was no data generated to be reviewed for this Five-Year Review.

## 8.9 SITE INSPECTION

The last inspection of NAAD-43 was conducted on October 30, 2019 by Weston as part of annual LTM activities. A summary of the annual inspection is presented in Section 8.6.4.

## 8.10 TECHNICAL ASSESSMENT

### 8.10.1 QUESTION A – IS THE REMEDY FUNCTIONING AS INTENDED BY THE DECISION DOCUMENT?

No, based on review of site documents, the remedy implemented at NAAD-43 is not functioning as intended by the DD.

The 2016 and 2017 Annual LTM Reports documented a large body of standing water in topographic depressions due to seasonal precipitation and/or storm water runoff.

Although storm water runoff accumulates in topographic depressions following significant snowmelt or precipitation events, these are transient events. LUCs have been implemented at NAAD-43 and are effective. The Camp Navajo Real Property Master Plan has been updated with LUCs; NAAD-43 boundary fences, barriers, and signs are in place; excavation and flame permits are required at NAAD-43; residential development is prohibited; and intrusive activities are restricted. Annual LUC inspections, maintenance, and reporting are ongoing, and there was no evidence of traffic off designated roads or use of the land that is not in accordance with current LUCs.

### 8.10.2 Question B – Are the exposure assumptions, toxicity data, cleanup levels and remedial action objectives used at the time of the remedy selection still valid?

Yes, the exposure assumptions, toxicity data, and RAOs used at the time of the remedy selection are still valid. No changes in exposure assumptions have occurred at NAAD-43, as residential development is still prohibited and intrusive activities remain restricted at NAAD-43. Furthermore, no changes in the types of land use were documented in the annual LUC inspection reports.

The RAOs are still appropriate, as LUCs were implemented at NAAD-43 and are effective, and annual LUC inspections are ongoing, which include observation and maintenance of the land surface area and drainage features; however, the 2016 and 2017 Annual LTM Reports documented a large body of standing water in topographic depressions due to seasonal precipitation and/or runoff. Therefore, drainage features may not be appropriately facilitating storm water runoff at NAAD-43, indicating that one RAO (*periodically inspect the drainage features, and maintain them as necessary to facilitate storm water runoff)* is not being met by the remedy.

**Appendix D** presents the Arizona R-SRLs and NR-SRLs at the time of the removal action performed at NAAD-43 compared to the most current values (2009). Although the current NR-SRL for lead is lower than the NR-SRL identified as the regulatory level for the removal action, none of the detections from the 1995-1996 RI or additional soil characterization activities are greater than the current R-SRL of 400 milligrams per kilogram (mg/kg). In addition, the current NR-SRLs for benzo(a)pyrene, benzo(b)fluoranthene, dibenzo(a,h)anthracene, and indeno(1,2,3-cd)pyrene are lower than the NR-SRLs specified as the regulatory levels at the time of the removal action; however, analysis of the highest detections from confirmation sampling following the removal action indicates the carcinogenic and non-carcinogenic risks are still within the EPA's target risk range of $1 \times 10^{-6}$ to $1 \times 10^{-4}$. Furthermore, LUCs are in place to restrict residential development and current and reasonably anticipated future land use at the NAAD-43 remains unchanged (non-residential). Therefore, changes in the R-SRLs and NR-SRLs do not affect the protectiveness of the remedy. The recommended follow-on risk analysis for the compliance evaluation for soil (Section 8.7.1) will capture changes in toxicity assumptions.

### 8.10.3 Question C – Has any other information come to light that could call into question the protectiveness of the remedy?

There is no other information that calls into question the protectiveness of the remedy. No new ecological risks have been identified. There have been no impacts from natural disaster events or weather-related events that have affected the protectiveness of the remedy.

### 8.10.4 Technical Assessment Summary

The remedy at NAAD-43 is not functioning as intended by the DD. The 2016 and 2017 Annual LTM Reports documented a large body of standing water in topographic depressions due to seasonal precipitation and/or runoff, suggesting drainage features are not appropriately facilitating storm water runoff; however, LUCs were implemented at NAAD-43 and are effective, and annual LUC inspections are ongoing. The exposure assumptions, toxicity data, and RAOs used at the time of the remedy selection are also still valid. Although decreases in R-SRLs and NR-SRLs for four PAHs have occurred, carcinogenic and non-carcinogenic risks are still within the EPA's target risk range of $1 \times 10^{-6}$ to $1 \times 10^{-4}$.

## 8.11 ISSUES

**Table 7** presents issues identified for NAAD-43 while preparing this Third Five-Year Review.

**Table 7 NAAD-43 Issues**

| Issue Number | Issues | Affects Current Protectiveness (Yes/No) | Affects Future Protectiveness (Yes/No) |
|---|---|---|---|
| 1 | Storm water runoff temporarily accumulates in topographic depressions following significant snowmelt or precipitation events. | No | Yes |

## 8.12 RECOMMENDATIONS AND FOLLOW-UP ACTIONS

**Table 8** presents the recommendations for issues identified for NAAD-43 based on the analyses performed as part of the Third Five-Year Review.

**Table 8 NAAD-43 Recommendations**

| Issue Number | Recommendations and Follow-up Actions | Party Responsible | Oversight Agency | Milestone Date | Affects Protectiveness (Yes/No) | |
|---|---|---|---|---|---|---|
| | | | | | Current | Future |
| 1 | Improve drainage controls at NAAD-43 to prevent temporary storm water runoff accumulation. | Arizona Army National Guard | ADEQ | November 15, 2021 | No | Yes |

ADEQ – Arizona Department of Environmental Quality
NAAD – Navajo Army Depot

## 8.13 OTHER FINDINGS

All of the Annual LTM Reports since the previous Five-Year Review observed minor to significant damage to most of the straw wattles and bales at NAAD-43, likely due to animal feeding. The 2019 Annual LTM Report noted that storm water control materials were replaced in November 2018; however, it is recommended either storm water control features that are not considered edible to wildlife be utilized or restore NAAD-43 to its pre-excavated grade to eliminate the need for additional storm water controls.

## 8.14 PROTECTIVENESS STATEMENT

The remedy at NAAD-43 currently protects human health and the environment because annual inspections indicate visible FCDL debris is disposed of as needed to prevent potential exposure to hazardous debris and LUCs are in place to restrict activities that could impact the integrity of the land surface and drainage features. However, in order for the remedy to be protective in the long-term, drainage controls at NAAD-43 should be improved to prevent temporary storm water runoff accumulation and ensure long-term protectiveness.

# 9.0 NEXT REVIEW

The next Five-Year Review Report will be due by October 31, 2025.

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# Figures

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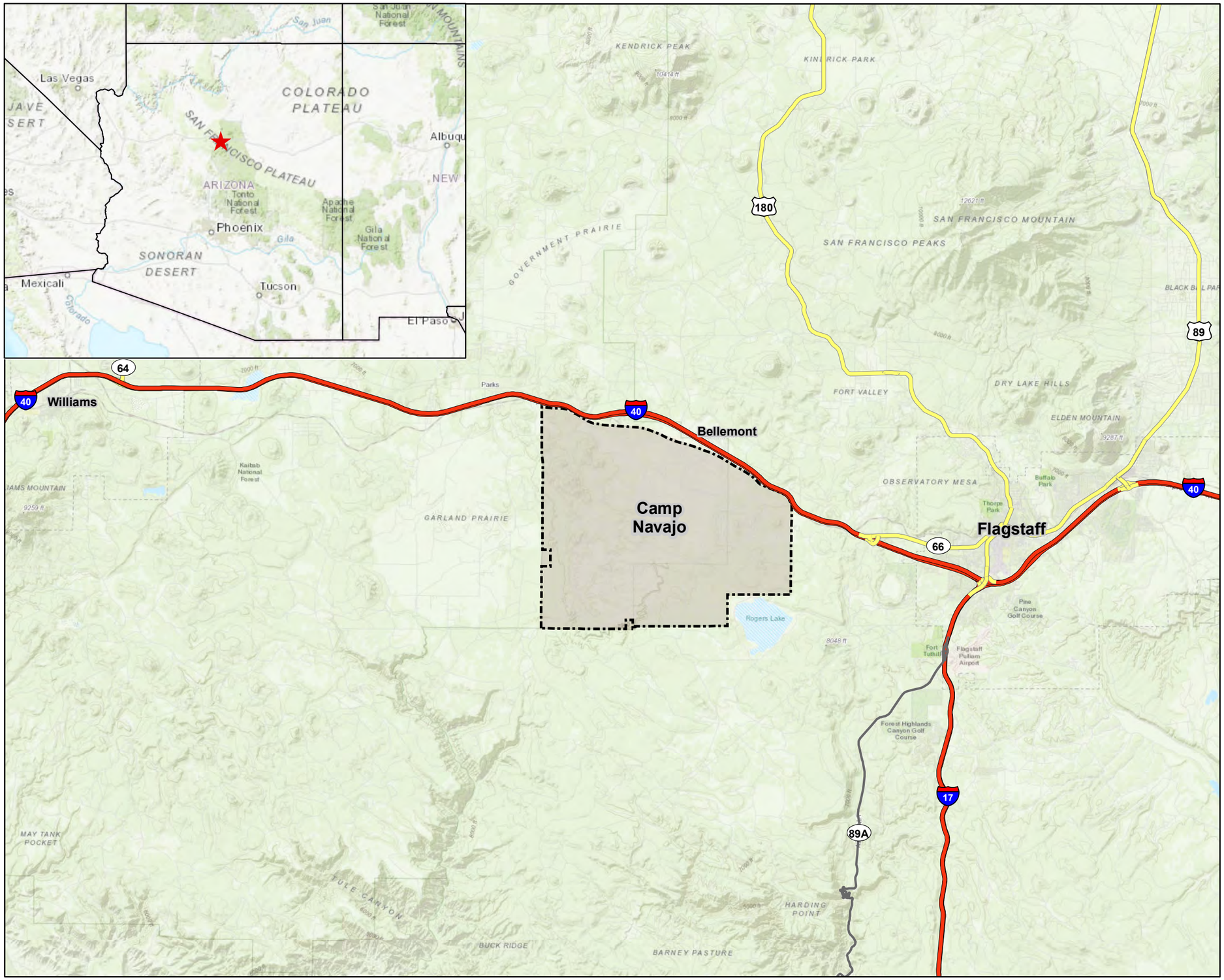


## Legend

- Interstate
- Highway
- State Route
- Site Boundary
- Site Location

Baselayer Source: Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL,

**Figure 1**
**Site Location Map**

Long-Term Management Groundwater Monitoring and Land-Use Control Report
Camp Navajo, Coconino County, Arizona

0 2 4 6 8
Miles

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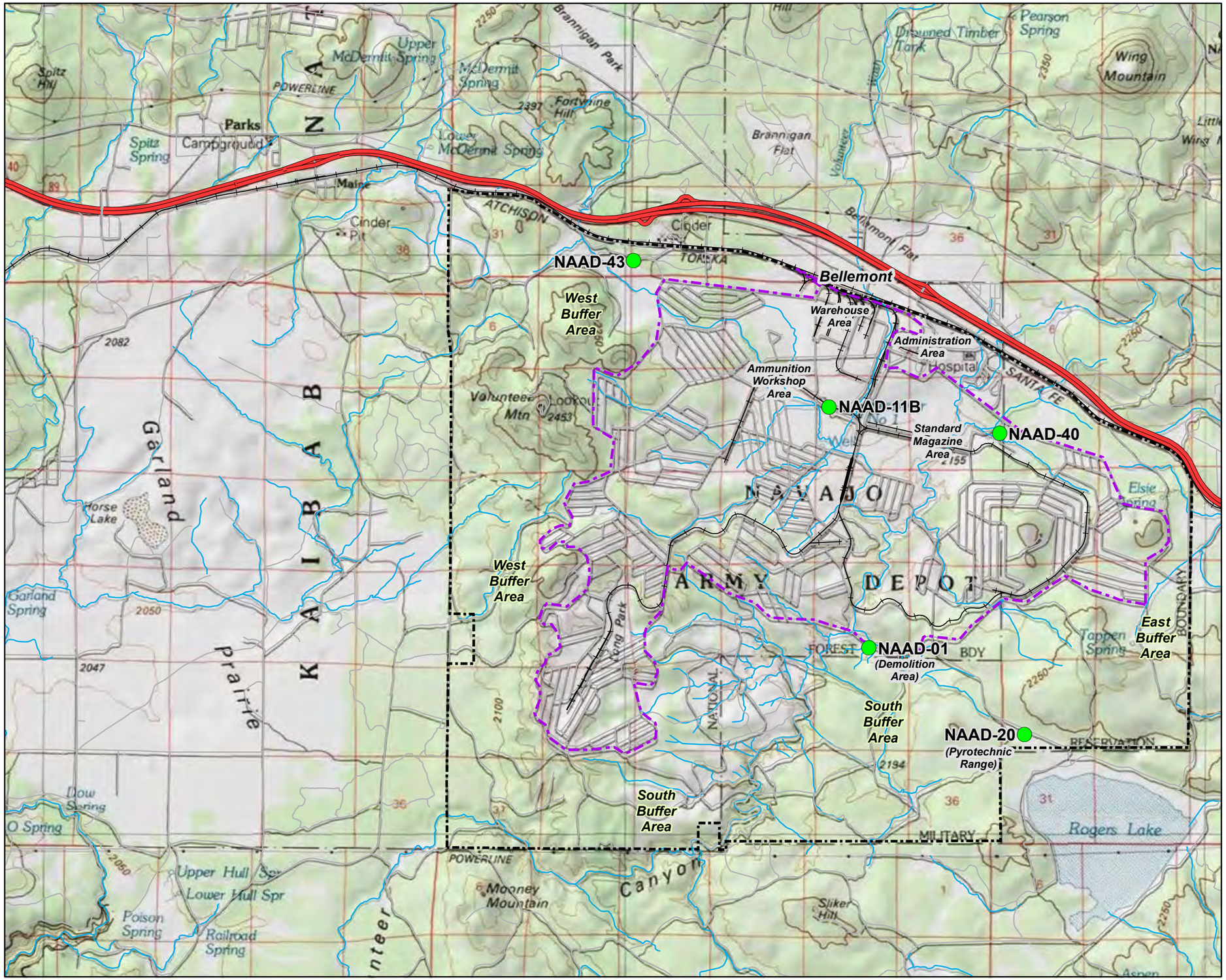


## Legend

- Annual Monitoring (Installation Restoration Program Sites)
- Limited Area Boundary (Igloo Areas)
- Installation Boundary
- Interstate 40
- Railroad
- Road
- Ephemeral Stream

**Notes:**
NAAD = Navajo Army Depot Site

Baselayer Source: Copyright:© 2013 National Geographic Society, i-cubed

**Figure 2**
**Camp Navajo Vicinity Map**
Long-Term Management Groundwater Monitoring and Land-Use Control Report
Camp Navajo, Coconino County, Arizona

0 1.25 2.5
Miles

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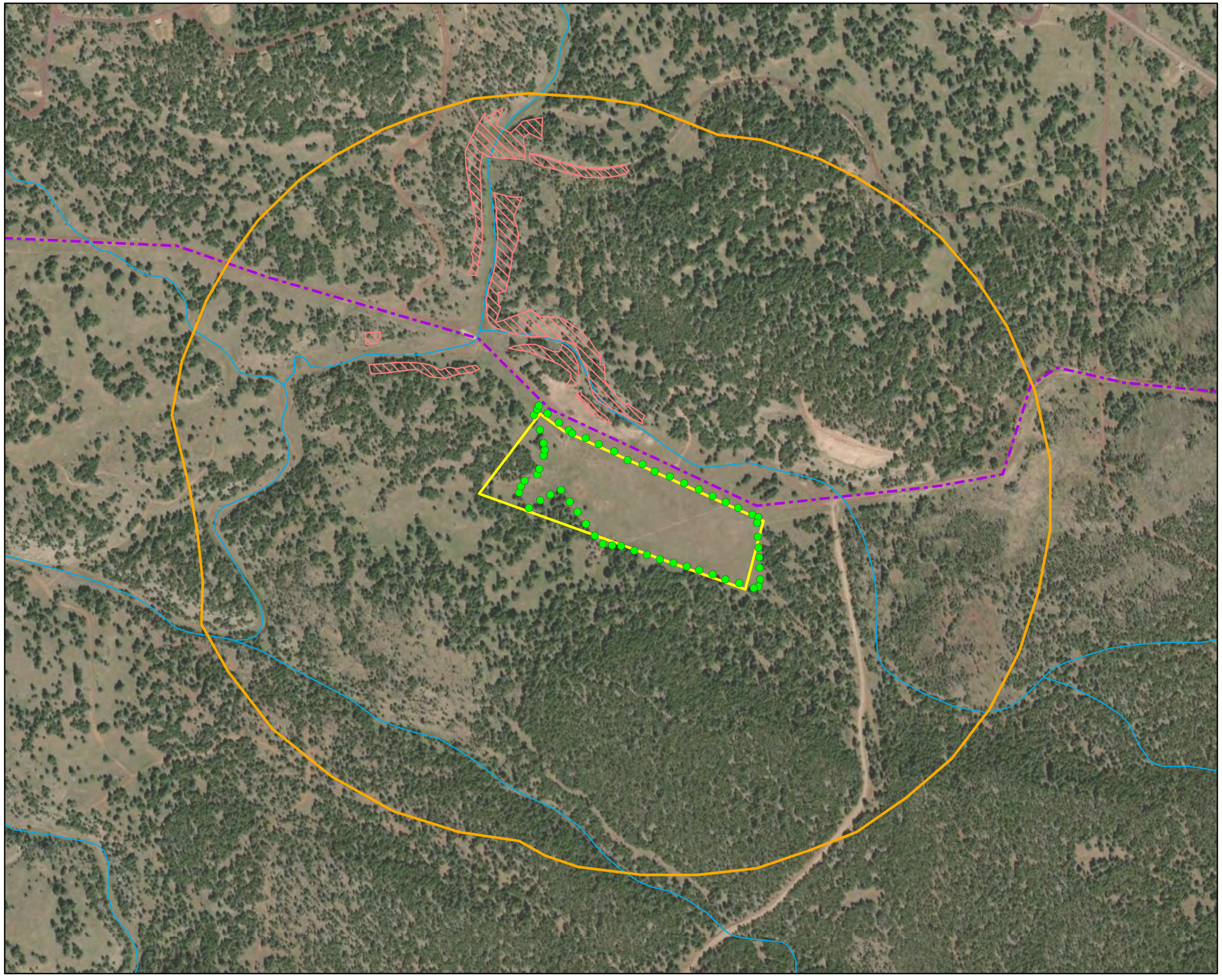
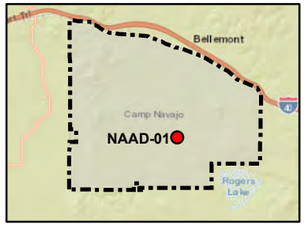


## Legend

- Danger Sign
- NAAD-01/MRWA-01-01 Boundary
- MRWA-01-02 Boundary
- Exception Areas
- Limited Area Boundary
- Surface Water Drainage

**Notes:**
NAAD = Navajo Army Depot Site
MRWA = Munitions Response Work Area




Baselayer Source: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri

**Figure 3**
**NAAD-01 Site Map**
Long-Term Management Groundwater Monitoring and Land-Use Control Report
Camp Navajo, Coconino County, Arizona

0 700 1,400
Feet

N

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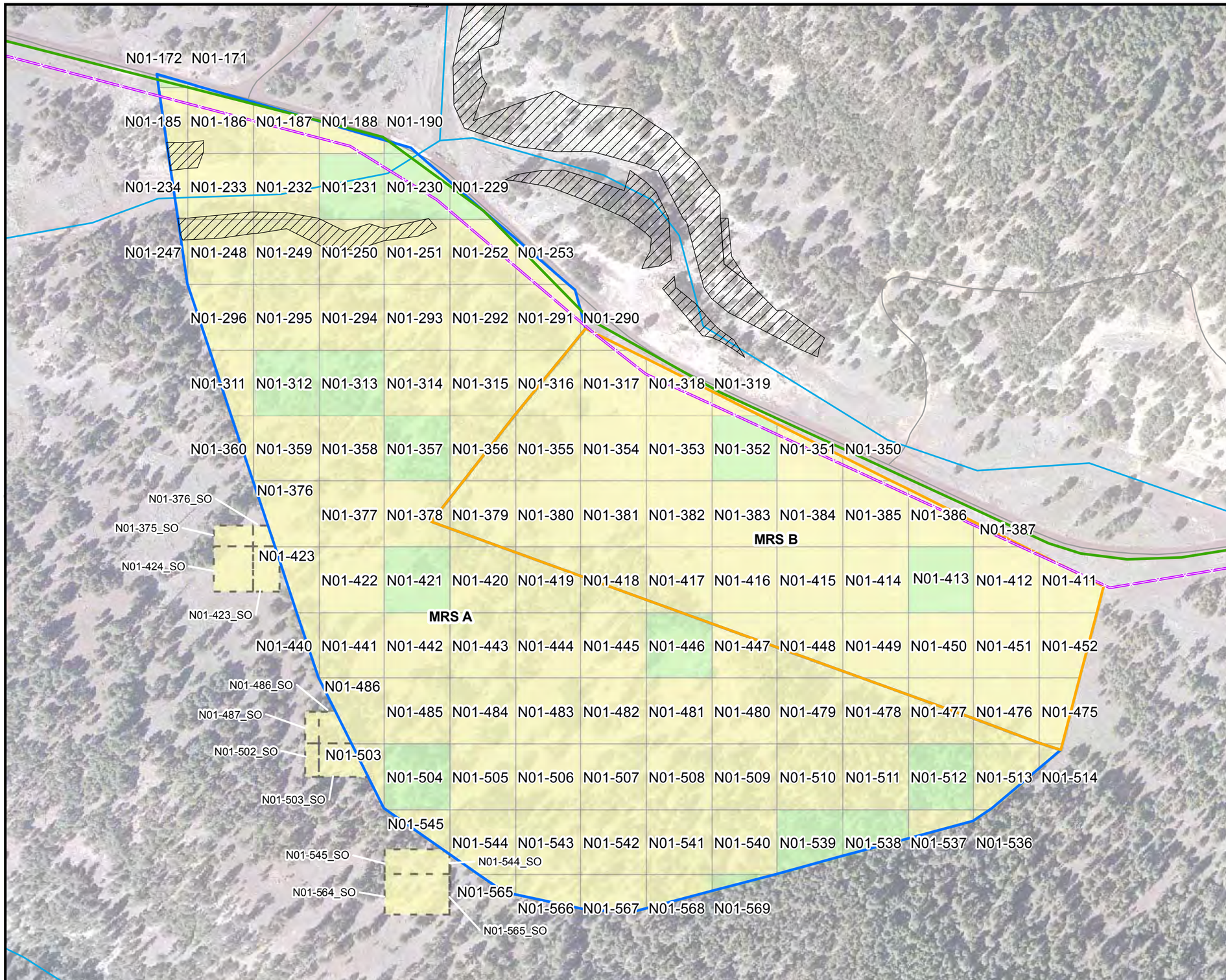
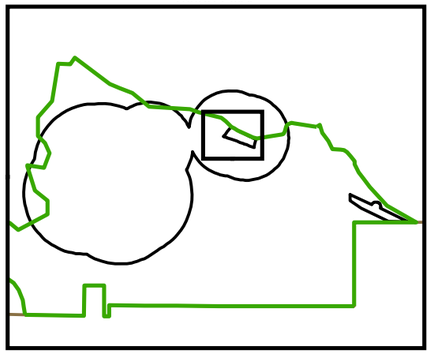



VICINITY MAP



**LEGEND**

**BOUNDARY SYMBOLOGY**

- FORMER OB/OD AREA BOUNDARY
- MRS A BOUNDARY
- MRS B BOUNDARY
- SURFACE CLEARED DURING 2005/2006
- SURFACE CLEARED DURING 2007
- STEP-OUT GRID
- EXCEPTION AREA
- LIMITED AREA PERIMETER FENCE

**OTHER SYMBOLOGY**

- DRAINAGE
- ROAD

N

0 150 300 FEET

**Figure 4**
**2007 SURFACE MEC REMOVAL AREAS AT FORMER MRS A & MRS B**
CAMP NAVAJO MRWA 01 AND MRWA20
MEC DECISION DOCUMENT
CAMP NAVAJO, ARIZONA

CH2MHILL

\\BALDUR\PROJ\CAMPNAVAJO_368545\MAPFILES\DECISION_DOCS\MAY2009_MRWA01_AND_MRWA20\FIG2-5_MRA01_AB.MXD FIG2-5_MRA01_AB.PDF SEARLY 11/19/2009 19:51:26

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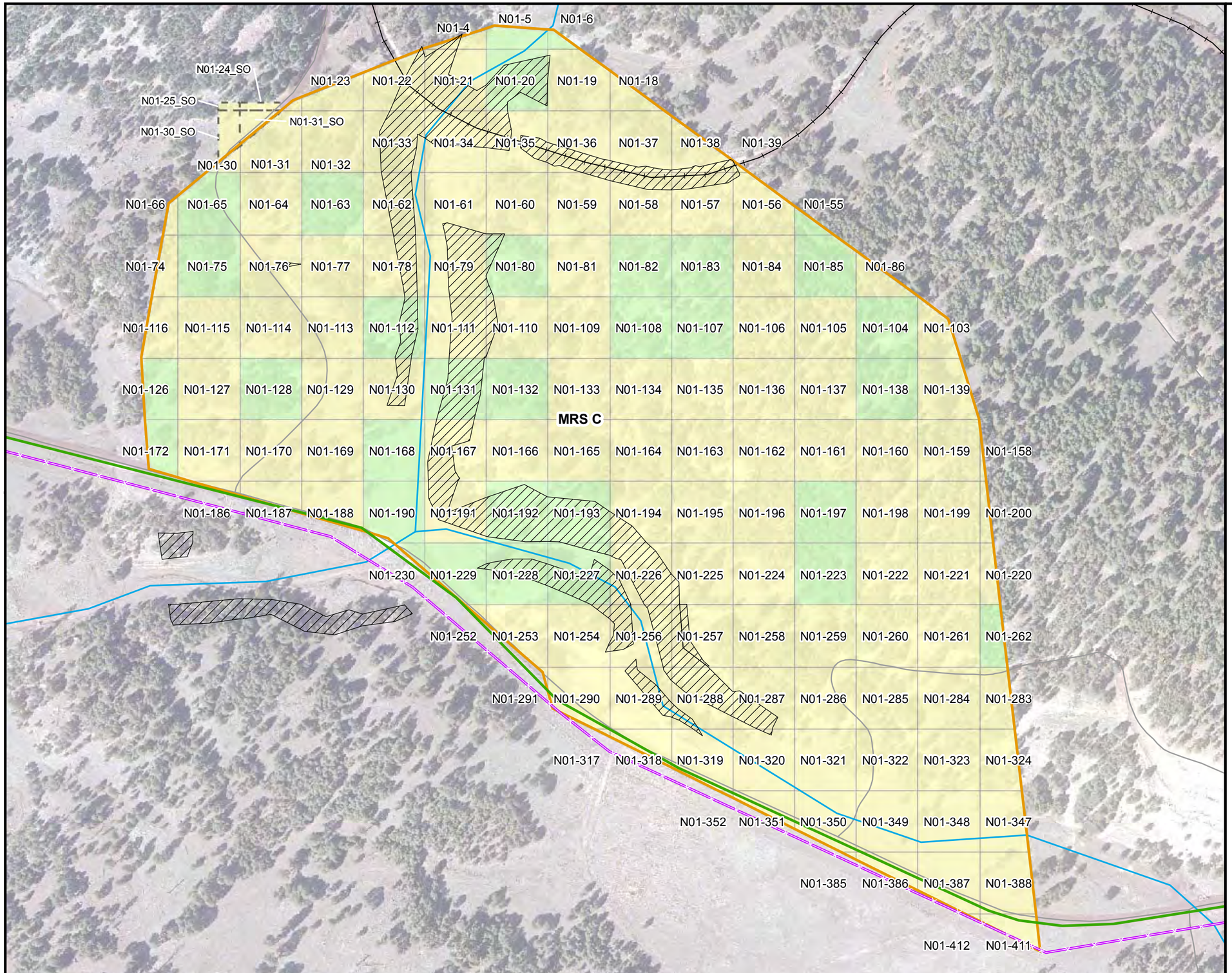
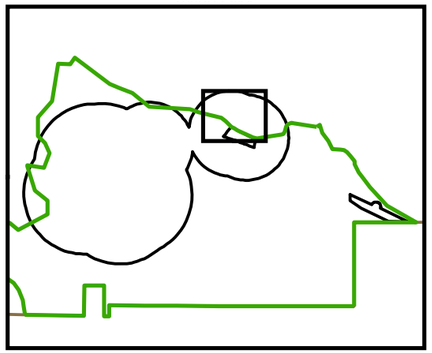



VICINITY MAP



**LEGEND**

**BOUNDARY SYMBOLOGY**

- FORMER OB/OD AREA BOUNDARY
- MRS C BOUNDARY
- SURFACE CLEARED DURING 2005/2006
- SURFACE CLEARED DURING 2007
- STEP-OUT GRID
- EXCEPTION AREA
- LIMITED AREA PERIMETER FENCE

**OTHER SYMBOLOGY**

- DRAINAGE
- ROAD
- RAILROAD

0 150 300 FEET

N

**Figure 5**
**2007 SURFACE MEC REMOVAL AREAS AT FORMER MRS C**
CAMP NAVAJO MRWA 01 AND MRWA20
MEC DECISION DOCUMENT
CAMP NAVAJO, ARIZONA

CH2MHILL

\\BALDUR\PROJ\CAMPNAVAJO_368545\MAPFILES\DECISION_DOCS\MAY2009_MRWA01_AND_MRWA20\FIG2-6_MRA01_C.MXD FIG2-6_MRA01_C.PDF SEARLY 11/19/2009 19:52:35

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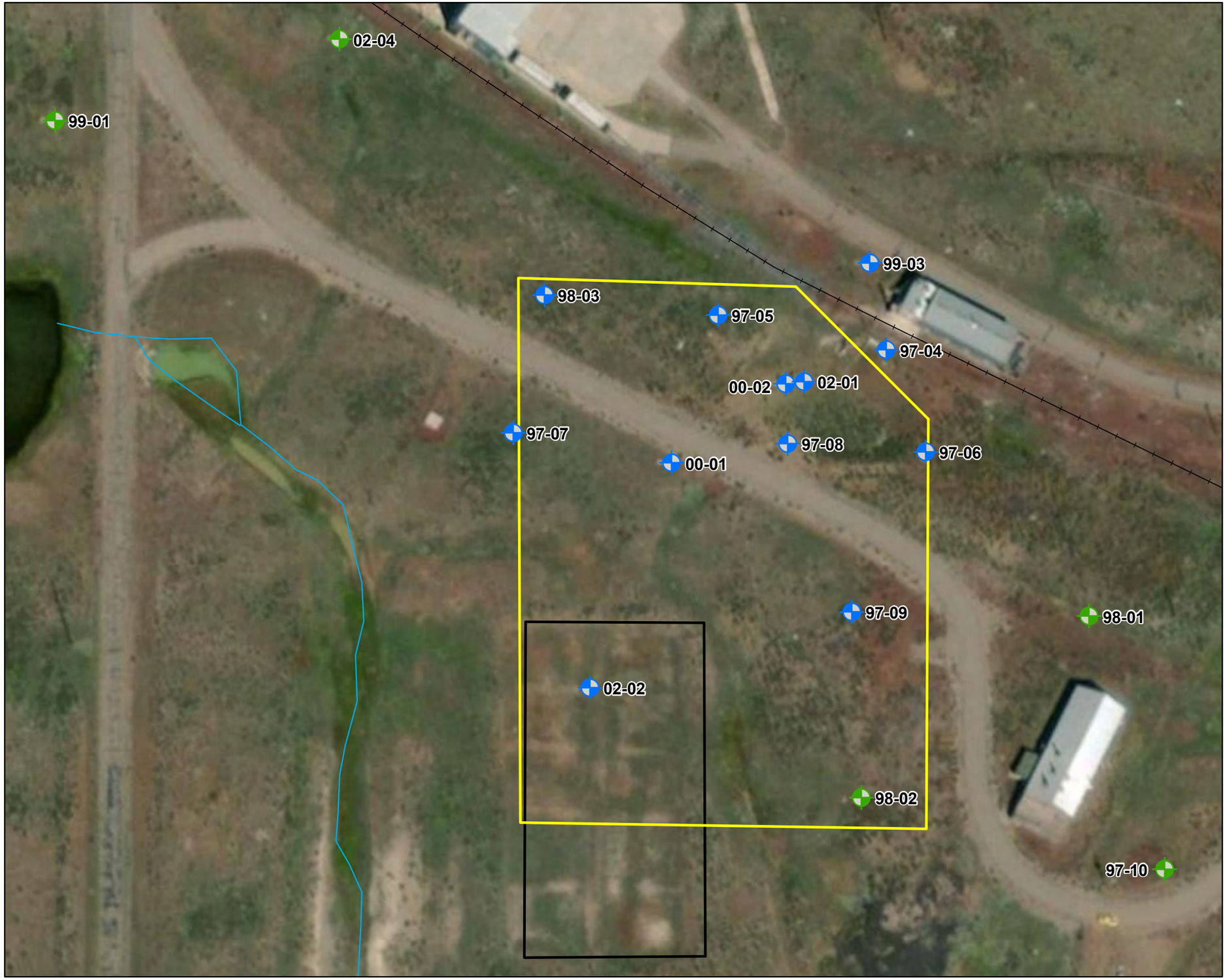
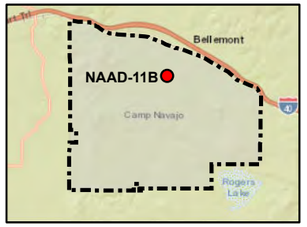



## Legend

- Groundwater Elevation Monitoring Well
- Groundwater Sampling Monitoring Well
- NAAD-11B Boundary
- Former TNT Washout Lagoons
- Surface Water Drainage
- Railroad

**Notes:**
NAAD = Navajo Army Depot Site
TNT = trinitrotoluene




Baselayer Source: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri

**Figure 6**
**NAAD-11B Site Map**

Long-Term Management Groundwater Monitoring and Land-Use Control Report
Camp Navajo, Coconino County, Arizona

0 100 200
Feet

N

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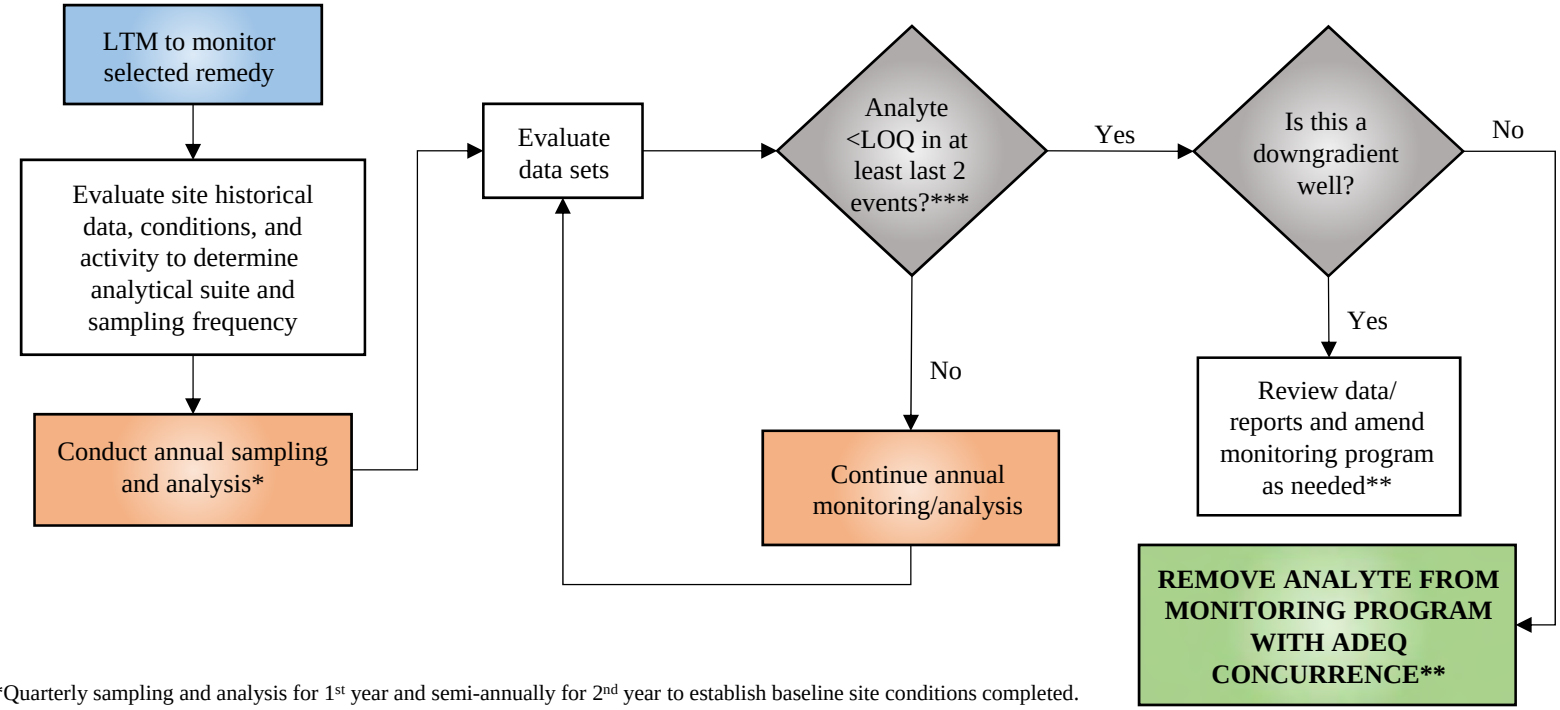
# Figure 7

## Performance Monitoring – IRP Ramp Down Each Analytical Suite (By Well)




*Quarterly sampling and analysis for 1st year and semi-annually for 2nd year to establish baseline site conditions completed.
**If contaminant is present in other wells, continue to monitor; if not, remove from LTM program.
***If a specific LOQ is greater than the analyte PAL, then the evaluation defaults to the PAL.
LOQ established for each analyte in Worksheet #15 of the UFP-QAPP (Weston, 2018).

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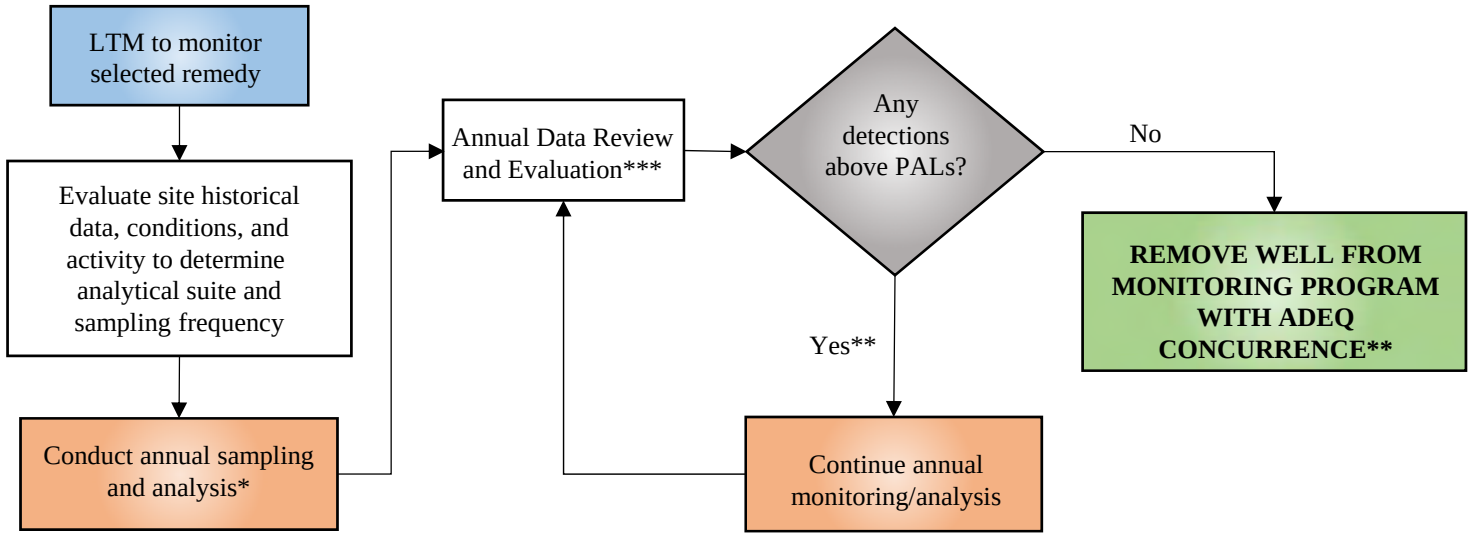
# Figure 8

## Performance Monitoring – IRP Well Ramp Down Frequency Decision Matrix




*Quarterly sampling and analysis for 1st year and semi-annually for 2nd year to establish baseline site conditions completed.
**Downgradient wells will remain in the monitoring program at the most conservative frequency consistent with other wells in the program for the specific site.
***Review and evaluate selected remedy, data quality and usability, and apply for regulatory adjustment to monitoring requirements. After 2nd year of monitoring, review and evaluate for regulatory adjustment or continue monitoring annually.
PALs established in Worksheet #15 of the UFP-QAPP (Weston, 2018), to be reviewed and revised annually as necessary.

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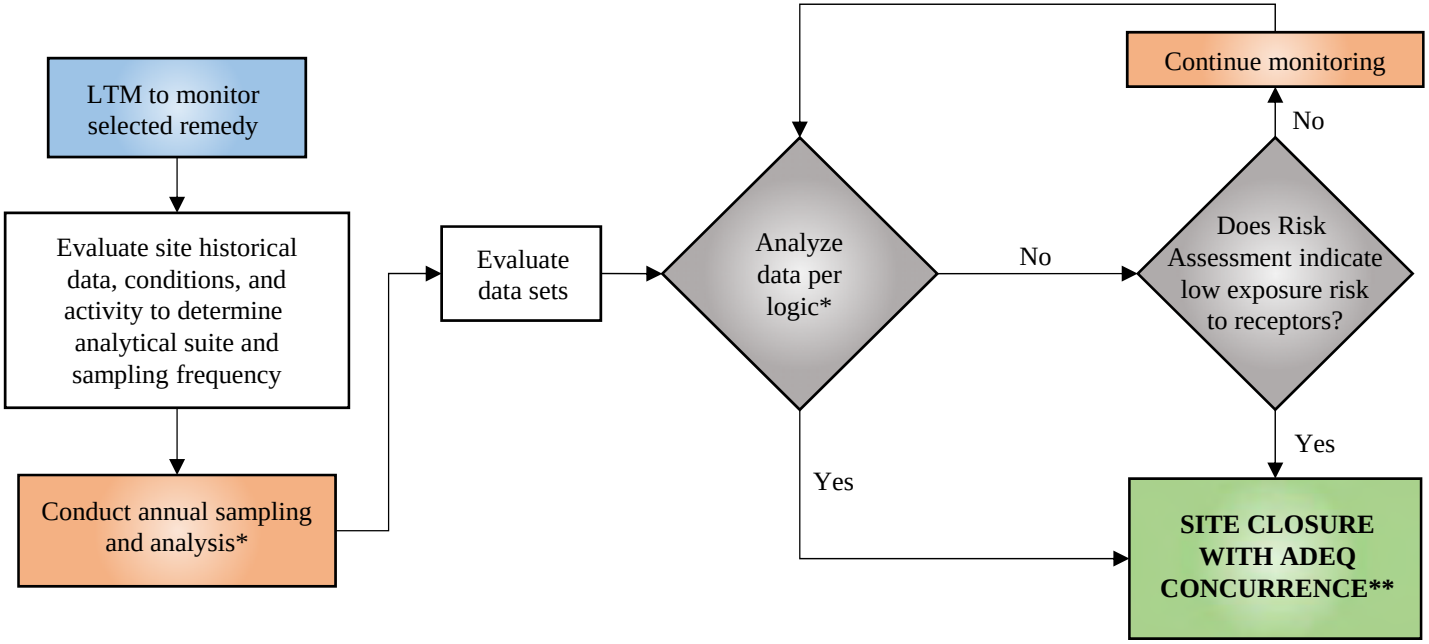
# Figure 9

## Performance Monitoring – IRP Site Ramp Down Frequency Decision Matrix




*Quarterly sampling and analysis for 1st year and semi-annually for 2nd year to establish baseline site conditions completed.
**If after the 1st year of quarterly sampling and an additional year of semi-annual sampling (six sampling events) only minor exceedances (less than 15% based on Laboratory Control Sample criteria in Master QAPP) to the screening criteria are observed in onsite or adjacent monitoring wells and COCs are not detected at concentrations greater than the screening criteria in downgradient well(s), the site may be removed from LTM with concurrence by ADEQ.

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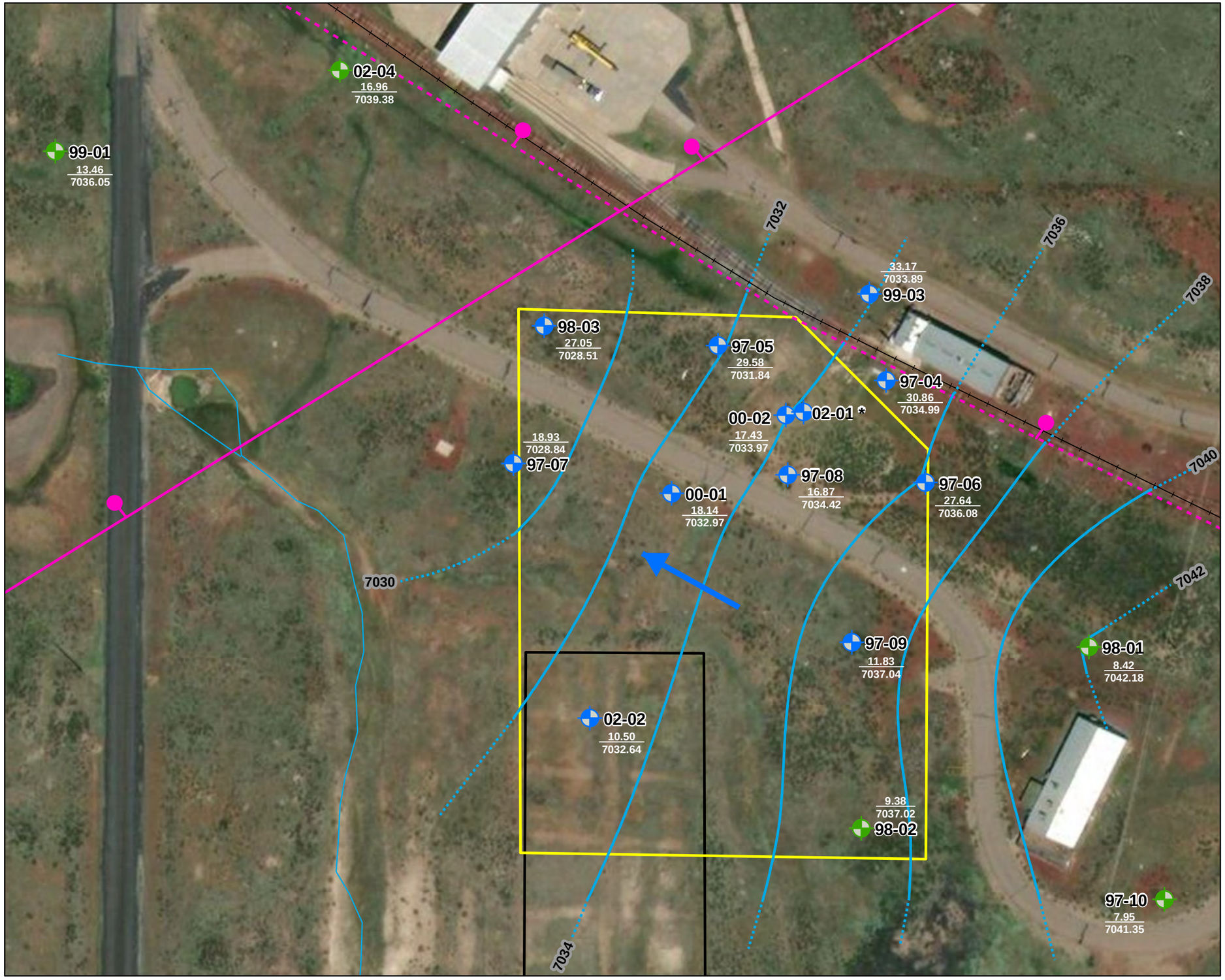


## Legend

- Groundwater Elevation Monitoring Well
- Groundwater Sampling Monitoring Well
- Groundwater Elevation Contour April 2019
- Groundwater Elevation Contour April 2019 (Inferred)
- Fault - Ball on Downdropped Site
- Fault - Inferred
- Railroad
- Surface Water Drainage
- NAAD-11B Boundary
- Former TNT Washout Lagoons
- 99-03 Well Identification
- 32.28 / 7031.44 Depth to Water (ft) / Groundwater Elevation (ft amsl)
- Groundwater Gradient (0.025 ft/ft)

**Notes:**
amsl = above mean sea level
ft = feet
NAAD = Navajo Army Depot Site
TNT = trinitrotoluene

* Well 02-01 was not used to draw the groundwater elevation contours.

Baselayer Source: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS

**Figure 10**
**NAAD-11B Groundwater Gradient**

Long-Term Management Groundwater Monitoring and Land-Use Control Report
Camp Navajo, Coconino County, Arizona

0 100 200
Feet

N

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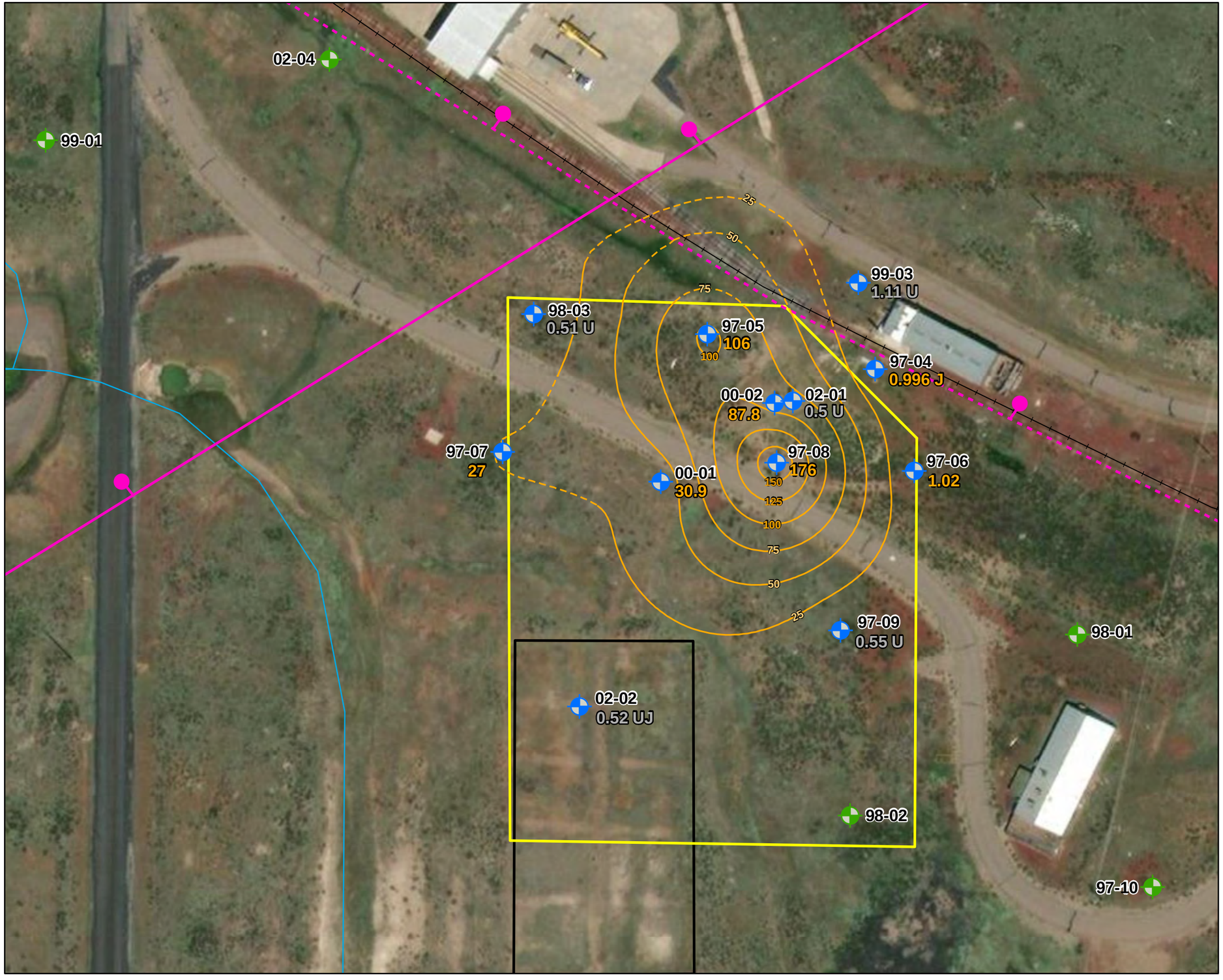


**Legend**

- Groundwater Elevation Monitoring Well
- Groundwater Sampling Monitoring Well
- Isoconcentration of RDX (µg/L)
- Inferred Isoconcentration of RDX (µg/L)
- Fault - Ball on Downdropped Site
- Fault - Inferred
- Railroad
- Surface Water Drainage
- NAAD-11B Boundary
- Former TNT Washout Lagoons
- 176 Above PAL (>0.7 µg/l)
- 0.55 U Below PAL and/or Not Detected (µg/l)

Lab Qualifiers:
U - Not detected above the Limit of Detection
J - Estimated value

Definitions:
µg/l - micrograms per liter
NAAD - Navajo Army Depot Site
RDX - hexahydro-1,3,5-trinitro-1,3,5-triazine
PAL - Project Action Level

Baselayer Source: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS

**Figure 11**
NAAD-11B (May 2019)
Groundwater RDX Isoconcentrations
Installation Restoration Program
Camp Navajo, Coconino County, Arizona

0 100 200
Feet

N

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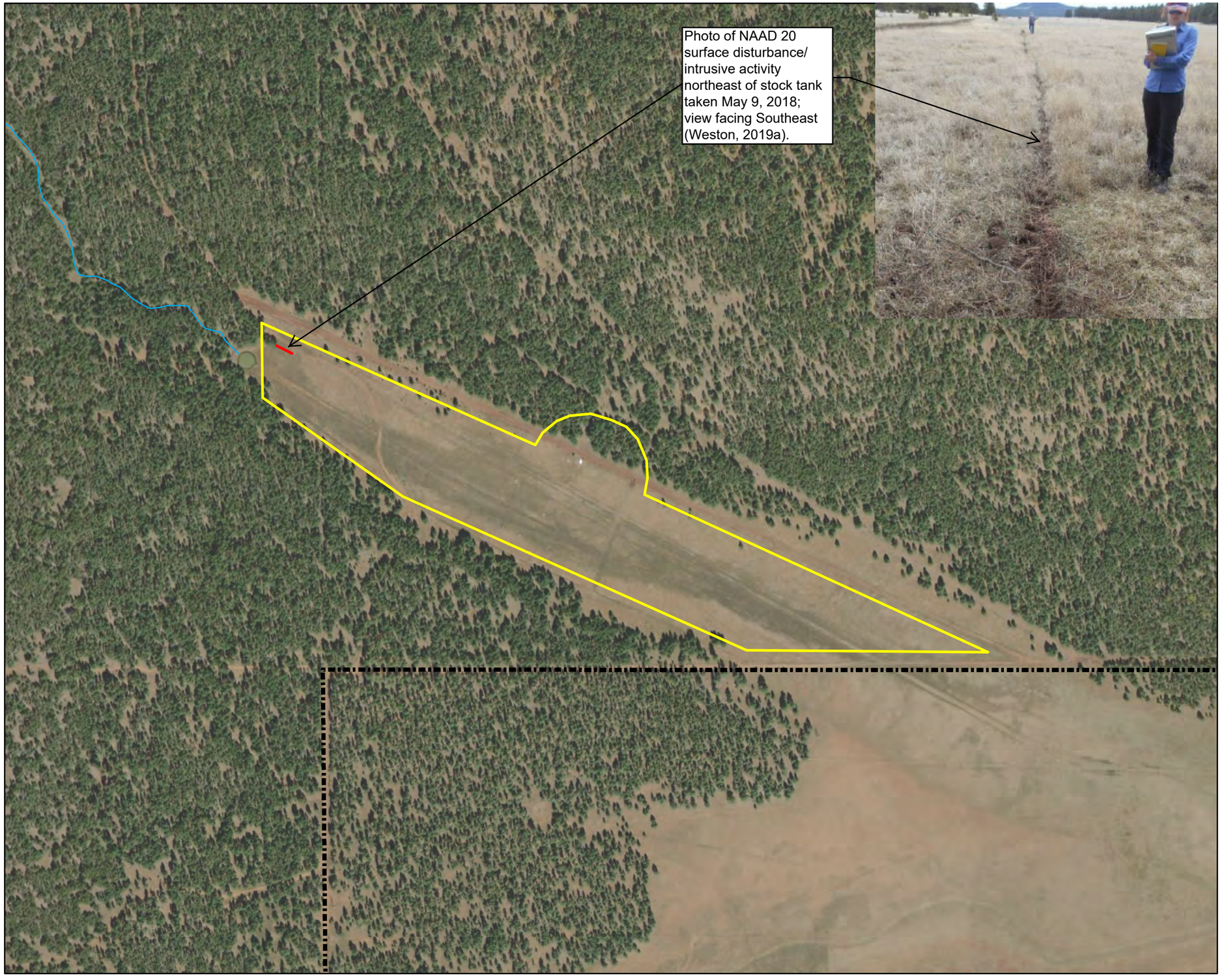
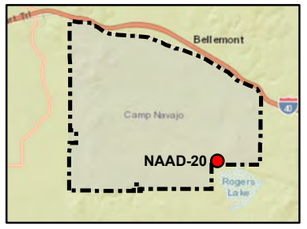



## Legend

- Linear Trench Feature
- NAAD-20/MRWA-20 Boundary
- Installation Boundary
- Surface Water Drainage

**Notes:**
NAAD = Navajo Army Depot Site
MRWA = Munitions Response Work Area




Baselayer Source: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri

**Figure 12**
**NAAD-20 Site Map**
Long-Term Management Groundwater Monitoring and Land-Use Control Report
Camp Navajo, Coconino County, Arizona

0 500 1,000
Feet

N

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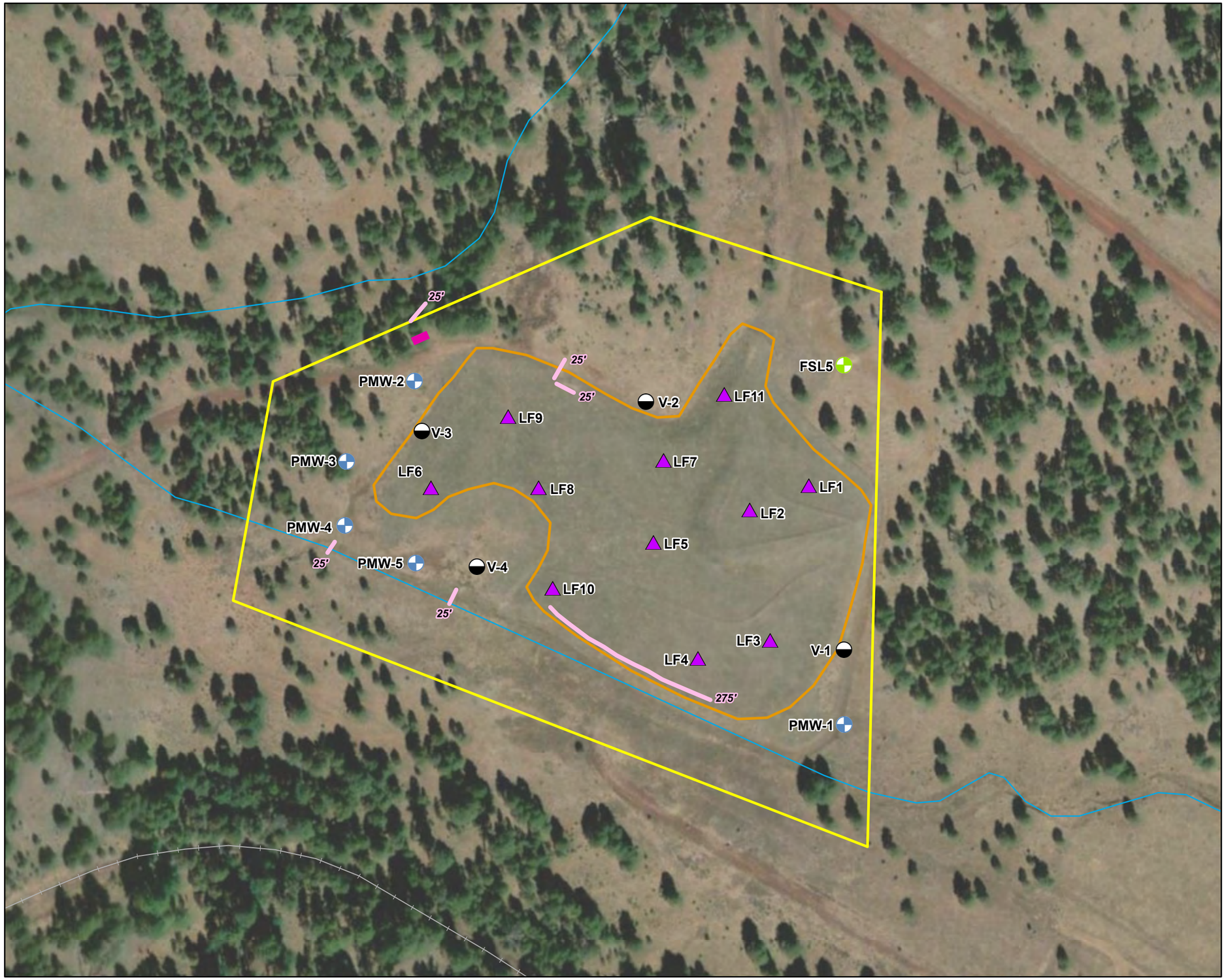
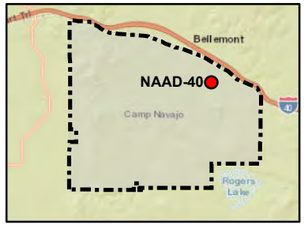



## Legend

- Groundwater Elevation Monitoring Well
- Groundwater Sampling Monitoring Well
- Landfill Inspection Point
- Vapor Monitoring Well
- Double Straw Bales
- Straw Wattle with Length in Feet
- NAAD-40 Boundary
- Engineered Landfill Cap
- Surface Water Drainage
- Railroad

**Notes:**
' = feet
NAAD = Navajo Army Depot Site
All straw wattles and bales staked in place.




Baselayer Source: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri

**Figure 13**
**NAAD-40 Site Map**
Long-Term Management Groundwater Monitoring and Land-Use Control Report
Camp Navajo, Coconino County, Arizona

0 150 300
Feet

N

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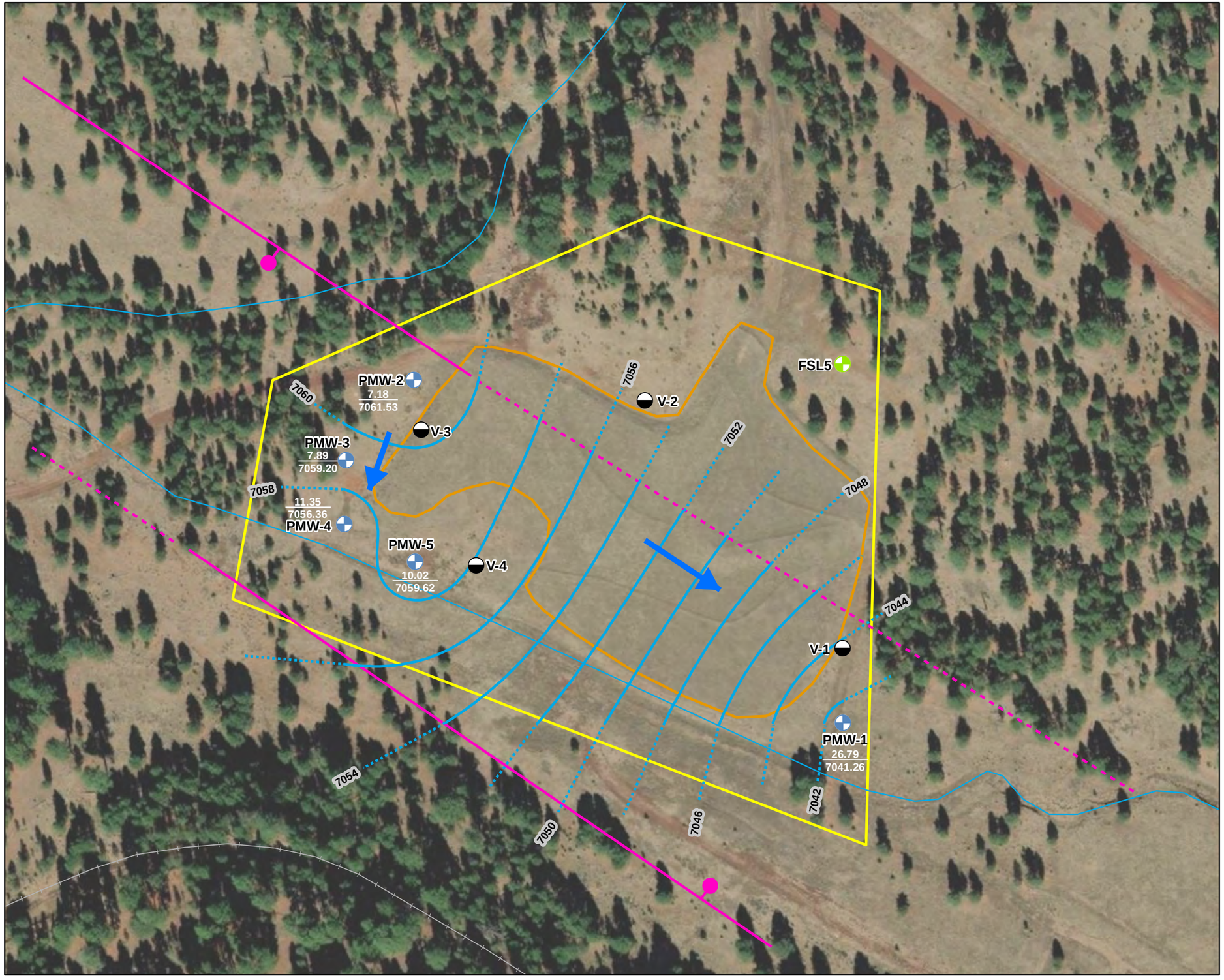


## Legend

- Groundwater Elevation Monitoring Well
- Groundwater Sampling Monitoring Well
- Vapor Monitoring Well
- Groundwater Elevation Contour April 2019
- Groundwater Elevation Contour April 2019 (Inferred)
- Fault - Ball on Downdropped Site
- Fault - Inferred
- Railroad
- Surface Water Drainage
- NAAD-40 Boundary
- Engineered Landfill Cap
- PMW-1 Well Identification
- 32.28 / 7031.44 Depth to Water (ft) / Groundwater Elevation (ft amsl)
- Groundwater Gradient (0.021 ft/ft - 0.024 ft/ft)

**Notes:**
amsl = above mean sea level
ft = feet
NAAD = Navajo Army Depot Site

Baselayer Source: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS

**Figure 14**
**NAAD-40 Groundwater Gradient**
Long-Term Management Groundwater Monitoring and Land-Use Control Report
Camp Navajo, Coconino County, Arizona

0 150 300
Feet

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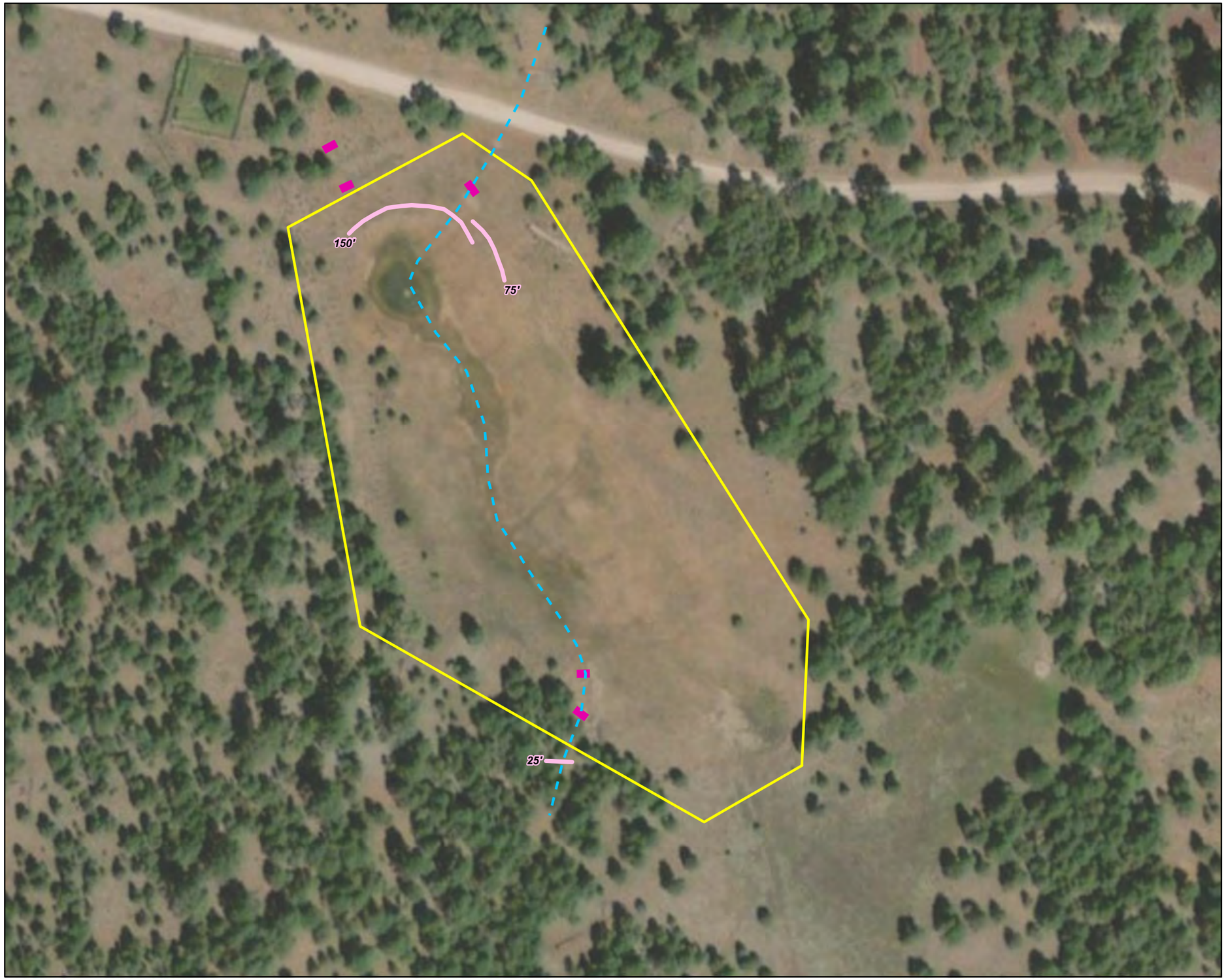


## Legend

- Double Straw Bales
- Straw Wattle with Length in Feet
- NAAD-43 Boundary
- Surface Water Drainage (approximate)

**Notes:**
' = feet
NAAD = Navajo Army Depot Site
All straw wattles and bales staked in place.

Baselayer Source: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri

**Figure 15**
**NAAD-43 Site Map**
Long-Term Management Groundwater Monitoring and Land-Use Control Report
Camp Navajo, Coconino County, Arizona

0 100 200
Feet

N

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# Appendix A

# Public Notice Affidavit

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## Affidavit of Publication

I, **Melissa Betts**, representing the WILLIAMS-GRAND CANYON NEWS, a newspaper of general circulation published at Williams, Coconino County, Arizona, do solemnly swear that a copy of this notice, as per clipping attached, was published weekly in the regular and entire issue of said paper and not in any supplement thereof, ONE (1) consecutive week, commencing with issue dated APR 8, 2020 and ending with issue dated APR. 8, 2020.

**PUBLIC NOTICE**

**ORDER NO.549642**

Melissa Betts

**MELISSA BETTS**

Subscribed and sworn to before me this **10th day of APRIL, 2020**.

Deborah Diane White

Notary Public

DEBORAH DIANE WHITE
NOTARY PUBLIC - ARIZONA
MOHAVE COUNTY
COMMISSION # 556989
MY COMMISSION EXPIRES
DECEMBER 04, 2022

**Public Notice: Five-Year Review Camp Navajo, Bellemont, Arizona**

The National Guard Bureau is initiating the Third Five-Year Review for Camp Navajo located in Bellemont, Arizona. With oversight provided by the Arizona Department of Environmental Quality (ADEQ), the National Guard Bureau is conducting this Five-Year Review pursuant to the Comprehensive Environmental Response, Compensation, and Liability Act and the National Oil and Hazardous Substances Pollution Contingency Plan. Camp Navajo is on the Arizona Superfund list and is tracked under ADEQ's Water Quality Assurance Revolving Fund. However, it is not on the National Priorities List. The purpose of the Five-Year Review is to determine whether the selected remedy at a site remains protective of human health and the environment and to make recommendations if deficiencies are identified. This review evaluates protectiveness of the remedies for NAAD-01 and NAAD-20 in accordance with a 2009 decision document (DD); and NAAD-11B, NAAD-40, and NAAD-43 in accordance with a 2010 DD.

The following list is a compilation of the Camp Navajo sites being evaluated in this Five Year Review and their selected remedies:

- NAAD-01 (Old Explosive Ordnance Disposal Demolition Area): The selected remedy for this site is long-term management (LTM) consisting of land use controls (LUCs) and routine reviews.
- NAAD-11B (Former TNT Washout Facility): The selected remedy for this site is LTM consisting of groundwater monitoring, LUCs, and routine reviews.
- NAAD-20 (Pyrotechnic Range): The selected remedy for this site is LTM consisting of LUCs and routine reviews.
- NAAD-40 (Former Sanitary Landfill): The selected remedy for this site includes inspection and maintenance of the landfill cap, groundwater monitoring, LUCs, and routine reviews.
- NAAD-43 (Construction Debris Landfills #1-5): The selected remedy for this site is LTM consisting of LUCs and routine reviews.

The Third Camp Navajo Five-Year Review Report is anticipated to be signed in October 2020. The National Guard Bureau will issue another public notice announcing the completion of the Five-Year Review. Once completed, the Final Five-Year Review Report will be available at Camp Navajo's administrative record and two information repositories:

**Camp Navajo Administrative Record** Hughes Avenue, Building 15 Bellemont, Arizona 86015

**Northern Arizona University, Cline Library** 1001 S. Knoles Drive Flagstaff, Arizona 86011

**ADEQ Records Center**
1110 W. Washington Street Phoenix, Arizona 85007

Should members of the community have questions or comments about the Third Camp Navajo Five-Year Review or are interested in additional site information, please contact Ms. Kim Birdsall. Her contact information is as follows:

**Kim Birdsall**
Environmental Restoration Program Manager
Environmental Management Office
Arizona Army National Guard
5636 E. McDowell Road, M5330
Phoenix, Arizona 85008
(602) 267-2498
birdsallk@emo.azdema.gov
1TWC Pub: 4/8/2020
Order No. 549642

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# AFFIDAVIT/PROOF OF PUBLICATION

**STATE OF ARIZONA**

} ss.

**County of Coconino**

Bobbie Crosby being duly sworn deposes and says:

That she is the legal clerk of the Arizona Daily Sun

a newspaper published at Flagstaff, Coconino County, Arizona; that the

Legal 815

a copy of which is

hereunto attached, was first published in said newspaper in its issue dated

the 5 day of April, 2020, and was

published in each one issue of said newspaper for one

consecutive day the last publication being in the issue dated the

5 day of April, 2020.

Subscribed and sworn to before me this

20 day of April, 2020

Ian Lane Logan

Notary Public

IAN LANE LOGAN
COMMISSION # 557679
NOTARY PUBLIC - STATE OF ARIZONA
COCONINO COUNTY
My commission expires Dec 10, 2022.

My Commission expires Dec 10 2022

Legal No. 815

Public Notice: Five-Year Review Camp Navajo, Bellemont, Arizona

The National Guard Bureau is initiating the Third Five-Year Review for Camp Navajo located in Bellemont, Arizona. With oversight provided by the Arizona Department of Environmental Quality (ADEQ), the National Guard Bureau is conducting this Five-Year Review pursuant to the Comprehensive Environmental Response, Compensation, and Liability Act and the National Oil and Hazardous Substances Pollution Contingency Plan. Camp Navajo is on the Arizona Superfund list and is tracked under ADEQ's Water Quality Assurance Revolving Fund. However, it is not on the National Priorities List. The purpose of the Five-Year Review is to determine whether the selected remedy at a site remains protective of human health and the environment and to make recommendations if deficiencies are identified. This review evaluates protectiveness of the remedies for NAAD-01 and NAAD-20 in accordance with a 2009 decision document (DD); and NAAD-11B, NAAD-40, and NAAD-43 in accordance with a 2010 DD.

The following list is a compilation of the Camp Navajo sites being evaluated in this Five Year Review and their selected remedies:

•NAAD-01 (Old Explosive Ordnance Disposal Demolition Area): The selected remedy for this site is long-term management (LTM) consisting of land use controls (LUCs) and routine reviews.

•NAAD-11B (Former TNT Washout Facility): The selected remedy for this site is LTM consisting of groundwater monitoring, LUCs, and routine reviews.

•NAAD-20 (Pyrotechnic Range): The selected remedy for this site is LTM consisting of LUCs and routine reviews.

•NAAD-40 (Former Sanitary Landfill): The selected remedy for this site includes inspection and maintenance of the landfill cap, groundwater monitoring, LUCs, and routine reviews.

•NAAD-43 (Construction Debris Landfills #1-5): The selected remedy for this site is LTM consisting of LUCs and routine reviews.

The Third Camp Navajo Five-Year Review Report is anticipated to be signed in October 2020. The National Guard Bureau will issue another public notice announcing the completion of the Five-Year Review. Once completed, the Final Five-Year Review Report will be available at Camp Navajo's administrative record and two information repositories:

Camp Navajo Administrative Record Hughes Avenue, Building 15 Bellemont, Arizona 86015

Northern Arizona University, Cline Library 1001 S. Knoles Drive Flagstaff, Arizona 86011

ADEQ Records Center 1110 W. Washington Street Phoenix, Arizona 85007

Should members of the community have questions or comments about the Third Camp Navajo Five-Year Review or are interested in additional site information, please contact Ms. Kim Birdsall. Her contact information is as follows:

Kim Birdsall
Environmental Restoration Program Manager
Environmental Management Office
Arizona Army National Guard
5636 E. McDowell Road, M5330
Phoenix, Arizona 85008
(602) 267-2498
birdsallk@emo.azdema.gov

PUB: Apr. 5, 2020 815

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# Appendix B

# Interviews

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**O&M STAFF INTERVIEW RECORD**

**Site Name:** Camp Navajo NAADs 01, 11B, 20, 40, and 43
**Subject:** Five-Year Review **Date:** April 9, 2020
**Type:** ☐ Telephone ☐ Visit X Other ☐ Incoming ☐ Outgoing
**Location of Visit:** NA

**Contact Made By:**

**Name:** Stacy Herring
**Title:** Sr. Project Manager
**Organization:** Dawson Technical, LLC

**Individual Contacted:**

**Name:** Randy Wilkinson
**Title:** Project Support Manager
**Organization:** Army National Guard G9, Cleanup Branch (ARNG-IES-D)
**Telephone No**: (928) 773-3208
**Fax No:** NA
**E-Mail Address:** randall.w.wilkinson2.ctr@mail.mil
**Street Address:** Camp Navajo,
**City:** Bellemont **State:** Arizona **Zip:** 86001

**1. What is your overall impression of the project? (general sentiment)**

Good.

**2. Is the remedy functioning as expected? How well is the remedy performing?**

Yes. Groundwater monitoring and LUC inspections indicate that site conditions and land uses have not changed. Site risk remains acceptable.

**3. What does the monitoring data show? Are there any trends that show contaminant levels are decreasing?**

Monitoring data for NAAD-11B indicate that a shallow perched water-bearing zone (not considered an aquifer) contains RDX above screening levels. Concentrations remain relatively stable with some indication of decreasing trends. Monitoring data for NAAD-40 indicate that no releases from the landfill are occurring. However, 1,4-dioxane was detected in 2019 using a new method with a lower detection limit. Sampling in April 2020 will help to determine if it was anomalous or not.

**4. Is there a continuous on-site O&M presence? If so, please describe staff and activities. If there is not a continuous on-site presence, describe staff and frequency of site inspections and activities.**

There is currently one full-time remediation program manager in the AZARNG environmental office at Papago Park Military Reservation that is responsible for all Arizona remediation sites. There is currently one full-time ARNG remediation program manager in the Camp Navajo environmental office that supports the AZARNG manager, particularly with the Camp Navajo program, but this position may be vacated in the coming year. The Camp Navajo Facilities Maintenance Office maintains some of the physical LUCs such as signs and fences, and the various installation departments are responsible for MEC Awareness Training for their personnel. The LTM sites are monitored and inspected annually by a contractor, typically in the spring, and the results are reported annually.

5. **Have there been any significant changes in the O&M requirements, maintenance schedules, or sampling routines since start-up or in the last five years? If so, do they affect the protectiveness or effectiveness of the remedy? Please describe changes and impacts.**

The frequency and extent of maintenance and repairs were not clearly or accurately identified during the EE/CA and DD processes. Some of the wells at NAADs 11B and 40 are more than 20 years old, and repairs are scheduled for spring 2020 to replace broken concrete pads, remove rust, and repair burrowing damage caused by prairie dogs. The engineered landfill cap at NAAD-40 required frequent repairs until a mature and complete vegetative cover was attained. The frequency of required repairs has decreased since then. Repairs to the cap are scheduled for spring 2020. The danger signs around NAAD-01 eventually became illegible due to fading by the sun, and were replaced in 2018. The new signs were created to Department of Transportation specifications, which should provide a longer lifetime. None of the maintenance and repairs described above resulted in significant impacts to the remediation program, installation operations, or site risk.

6. **Have there been unexpected O&M difficulties or costs at the site since start-up or in the last five years? If so, please give details.**

The time it took for implementation of administrative land use controls and their integration into routine facility operations took longer than anticipated. However, education through the MEC Awareness Training Program, enforcement through the Excavation Permit and Record of Consideration processes, development of a LUC Implementation Plan in 2018, and inclusion in the installation master plan during a 2019 update, have resulted in increased visibility during routine operations and early consideration during the planning phase of facility projects.

7. **Have there been opportunities to optimize O&M, or sampling efforts? Please describe changes and resultant or desired cost savings or improved efficiency.**

The frequency and analytical schedule of groundwater monitoring at NAADs 11B and 40 have successively been ramped down in accordance with procedures contained in the Decision Document. The frequency of NAAD-40 landfill inspections by a Professional Engineer were recently reduced from biennial to 5-year intervals to coincide with the five-year review schedule.

When NAAD-11B was designated for long-term management 15 years ago, two issues played into that decision. First, the difficult site conditions limited the potential effectiveness of current cleanup technologies to achieve clean closure. A risk assessment and technology review conducted in 2009 failed to identify any new options. Evaluation of a modified in-situ method last year suggested that it also was unlikely to overcome the site difficulties. An updated technology review would be helpful. Secondly, the only risk-based concentration limit for RDX 15 years ago was a conservative screening level, although the EPA and DoD were reportedly working on the development of a regulatory standard. A standard still has not been promulgated, and monitoring results at NAAD-11B continue to be evaluated using a screening level. A review of the status of RDX studies and the schedule for promulgation of an RDX MCL would be helpful.

8. **Do you have any comments, suggestions, or recommendations regarding the project?**

No.

**O&M STAFF INTERVIEW RECORD**

**Site Name:** Camp Navajo NAADs 01, 11B, 20, 40 & 43
**Subject:** Five-Year Review **Date:** 8 APR 2018
**Type:** ☐ Telephone ☐ Visit ☒ Other ☐ Incoming ☐ Outgoing
**Location of Visit:** NA

**Contact Made By:**

**Name:** Staci Herring
**Title:** Sr. Project Manager
**Organization:** Dawson Technical, LLC

**Individual Contacted:**

**Name:** Kim Birdsall
**Title:** Restoration Program Manager
**Organization:** AZARNG
**Telephone No**: 602.267.2498
**Fax No:** na
**E-Mail Address:** birdsallk@emo.azdema.gov
**Street Address:** 5636 E McDowell Road, M5330
**City:** Phoenix **State:** AZ **Zip:** 85008

**1. What is your overall impression of the project?**

The selected remedies for the five LTM sites at Camp Navajo remain effective and no significant changes have occurred since the 2015 Five Year Review. However, the regulator is in support of two opportunities: one at NAAD-11B and another at NAAD-43.

**2. Is the remedy functioning as expected? How well is the remedy performing?**

Yes, the remedies for all 5 LTM sites are functioning as expected and remain protective of human health and the environment.

**3. What does the monitoring data show? Are there any trends that show contaminant levels are decreasing?**

Monitoring of environmental media occurs routinely at NAADs 11B and 40. In addition, the landfill cap at NAAD-40 is routinely inspected and monitored.

At NAAD-11B, RDX is the only analyte detected above project action levels PALs). All other detected analytes are below PALs. Groundwater monitoring data for 2019 continue to reflect hydrologic conditions similar to historical events without significant alterations. Analytical data continues to reflect a gradual decline in detected explosives in most wells.

Barium, arsenic and nitrate/nitrite were detected in groundwater samples at NAAD-40 at concentrations greater than the LOQ and/or MDL in each of the five monitoring wells sampled in 2019. The detections and distribution of analytes at NAAD-40 reflects relatively stable conditions compared with historical sampling data. 1,4-Dioxane was detected in 2019 for the first time in two wells at concentrations above the PAL. A potential source for the analyte cannot be attributed to the waste at the site at this time and the detections are directly attributed to application of a new analytical method. Further monitoring is necessary to determine the distribution of 1,4-dioxane and possible trends in concentrations. With the exception of 1,4-dioxane, no other contaminants of concern have been identified at

concentrations greater than PALs indicating the remedy installed at NAAD-40 is functioning as designed.

4. **Is there a continuous on-site O&M presence? If so, please describe staff and activities. If there is not a continuous on-site presence, describe staff and frequency of site inspections and activities.**

   Yes, there is a continuous O&M presence. In addition to annual inspections, both the ARNG-IED/CEMML Cleanup Support Manager and the Facilities Maintenance Office are located at Camp Navajo.

5. **Have there been any significant changes in the O&M requirements, maintenance schedules, or sampling routines since start-up or in the last five years? If so, do they affect the protectiveness or effectiveness of the remedy? Please describe changes and impacts.**

   No.

6. **Have there been unexpected O&M difficulties or costs at the site since start-up or in the last five years? If so, please give details.**

   No.

7. **Have there been opportunities to optimize O&M, or sampling efforts? Please describe changes and resultant or desired cost savings or improved efficiency.**

   Yes, the regulator has identified both NAAD-11B and -43 as having potential opportunities for optimization.

   The regulator requested our evaluation of a proprietary technology for the remediation of RDX at NAAD-11B. However, this technology was not determined to not be optimal and was more likely to be ineffective based on the site conditions.

   The regulator is in support of a closure evaluation for NAAD-43. Additional sampling will be conducted in the coming months and if analytical results support closure, the site will be closed, obtain UU/UE, and be restored to its natural grade to improve surface water flow.

8. **Do you have any comments, suggestions, or recommendations regarding the project?**

   AZARNG welcomes any assistance on the evaluation of other available remedial technologies that may prove effective in addressing RDX at NAAD-11B.

**O&M STAFF INTERVIEW RECORD**

**Site Name:** MRWA-01-01/-02, NAAD-11, NAAD-20, NAAD-40, NAAD-43
**Subject:** Five-Year Review **Date: 4/13/20**
**Type:** ☐ Telephone ☐ Visit ☒ Other ☐ Incoming ☐ Outgoing
**Location of Visit:**

**Contact Made By:**

**Name:**
**Title:**
**Organization:** Dawson Technical, LLC

**Individual Contacted:**

**Name:** Matthew Nation
**Title:** Principal Project Geoscientist
**Organization:** Weston Solutions Inc.
**Telephone No**: 480-234-3734
**Fax No:**
**E-Mail Address:** matthew.nation@westonsolutions.com
**Street Address:** 960 West Elliot Road, Suite 101
**City: TempeState: AZ Zip: 85284**

**1. What is your overall impression of the project? (general sentiment)**
Project sites are in a mature stage of O&M and the majority of difficulties have been resolved. Reductions in groundwater monitoring are based on ramp-down criteria and the scope is at a minimal level of effort. A potential site removal for NAAD-43 may occur in FFY2020 based on soil sampling data.

**2. Is the remedy functioning as expected? How well is the remedy performing?**
Remedies at each site are performing in accordance with designs in the DDs or Post-Closure Permit. Sites are secured and minimize the potential to compromise the engineered remedies or LUCs.

**3. What does the monitoring data show? Are there any trends that show contaminant levels are decreasing?**
MRWA-01-01/-02 HQAES 76897.1001 no monitoring data was/is collected.

NAAD-11 HQAES 76897.1012 data indicates stable or gradually decreasing concentrations in groundwater for explosives, reflecting gradual MNA.

NAAD-20 HQAES 76897.1025 no monitoring data was/is collected.

NAAD-40 HQAES 76897.1042 data indicates stable conditions for groundwater; no concerns were present for groundwater when the remedy was implemented. Engineered cap is functional and in good condition.

NAAD-43 HQAES 76897.1045 no monitoring data was/is collected. Potential closure of the site is possible after soil sampling in FFY2020, with subsequent backfilling/restoration of the site.

**4. Is there a continuous on-site O&M presence? If so, please describe staff and activities. If there is not a continuous on-site presence, describe staff and frequency of site inspections and activities.**
MRWA-01-01/-02 HQAES 76897.1001 no on-site O&M; LUC inspections annually by field scientists and UXO support. Repairs to some LUCs performed by Camp Navajo RPO.

NAAD-11 HQAES 76897.1012 no on-site O&M; monitor well inspections annually by field scientists. Repairs to some wells performed by outside contractors.

NAAD-20 HQAES 76897.1025 no on-site O&M; LUC inspections annually by field scientists and UXO support.

NAAD-40 HQAES 76897.1042 no on-site O&M; monitor well inspections annually by field scientists. Engineered cap inspections have been performed biennially, but will be reduced in frequency to coincide with 5-year reviews. Repairs to some wells, storm water controls, and landfill cap features performed by outside contractors.

NAAD-43 HQAES 76897.1045 no on-site O&M. Minor repairs to storm water controls performed as needed by contractors.

**5. Have there been any significant changes in the O&M requirements, maintenance schedules, or sampling routines since start-up or in the last five years? If so, do they affect the protectiveness or effectiveness of the remedy? Please describe changes and impacts.**

MRWA-01-01/-02 HQAES 76897.1001 no significant physical difficulties in last 5 years. Site potentially used for training purposes, but does not affect O&M or effectiveness of the remedy.

NAAD-11 HQAES 76897.1012 no significant physical difficulties in last 5 years. Proximity to sensitive handling area results in security restrictions for performance of monitoring; scheduling must be coordinated with no activity in the handling area, but effectiveness of remedy unaffected.

NAAD-20 HQAES 76897.1025 no significant difficulties in last 5 years.

NAAD-40 HQAES 76897.1042 no significant difficulties in last 5 years. Engineered landfill cap is stable. Minor repairs of drainage features and monitoring well monuments is scheduled for FFY2020; however, these have not resulted in O&M difficulties.

NAAD-43 HQAES 76897.1045 no significant difficulties in last 5 years.

**6. Have there been unexpected O&M difficulties or costs at the site since start-up or in the last five years? If so, please give details.**

MRWA-01-01/-02 HQAES 76897.1001 no significant difficulties in last 5 years.

NAAD-11 HQAES 76897.1012 no significant physical difficulties in last 5 years. Proximity to sensitive handling area results in security restrictions for performance of monitoring; scheduling must be coordinated with no activity in the handling area.

NAAD-20 HQAES 76897.1025 no significant difficulties in last 5 years.

NAAD-40 HQAES 76897.1042 no significant difficulties in last 5 years. Engineered landfill cap is stable. Minor repairs of drainage features and monitoring well monuments is scheduled for FFY2020; however, these have not resulted in O&M difficulties.

NAAD-43 HQAES 76897.1045 no significant difficulties in last 5 years.

7. **Have there been opportunities to optimize O&M, or sampling efforts? Please describe changes and resultant or desired cost savings or improved efficiency.**

Review occurs annually for all sites to optimize O&M and sampling. Aspects that can be reduced and the processes for optimization are documented in DDs and post-closure monitoring plans.

MRWA-01-01/-02 HQAES 76897.1001 is at the minimal level for LUCs and O&M, unless munitions removal actions are performed. No further optimization is anticipated for the site under the current status.

NAAD-11 HQAES 76897.1012 analyte reduction has occurred for approximately 10 years. Multiple wells were removed from monitoring and abandoned during the same period. Additional changes are required to satisfy ramp-down criteria and current monitoring is at a minimum level.

NAAD-20 HQAES 76897.1025 is at the minimal level for LUCs and O&M, no further optimization is anticipated.

A proposed reduction for biennial inspection requirements at NAAD-40 HQAES 76897.1042 will be made in FFY2021 to coincide with federal 5-year reviews.

NAAD-43 HQAES 76897.1045 may be closed this FFY pending soil sampling results.

8. **Do you have any comments, suggestions, or recommendations regarding the project?**

MRWA-01-01/-02 HQAES 76897.1001 site remedy and level of effort for maintenance of LUCs is appropriate. Revised munitions information will be distributed in FFY2020 to aid safety and information communication to Camp Navajo and visitors/hunters. Documentation of training events should be provided to UXO administrative review to ensure the types of use do not exceed the established LUCs and land use scenarios of the DD.

NAAD-11 HQAES 76897.1012 site remedy has been reduced to minimum allowed by DD and LTM decision process for reductions in scope. Remedy of MNA is appropriate, since no transport pathways or potential for contaminants to intersect receptors exist. Attempts to apply remedial methods and speed MNA should be rigorously reviewed to determine if the scope justifies the potential results. Access to the site poses challenges; emergency storage events may disrupt sampling events. Close coordination with security and OOD is necessary to minimize disruption of sampling.

NAAD-20 HQAES 76897.1025 no changes are considered necessary. The site inspection and LUCs are effective and no significant changes in land use are planned that would alter the LTM monitoring scope.

NAAD-40 HQAES 76897.1042 the site remedy is mature and will not require significant maintenance after this year. Formal inspections by an Arizona Engineer should be decreased in frequency to once per five years. Current monitoring and periodic stormwater maintenance is not expected to change in scope for LTM.

NAAD-43 HQAES 76897.1045 site may be closed pending sampling and possible backfilling of the excavated area. This action would remove the site from future LTM actions.

**STATE AND LOCAL AUTHORITIES INTERVIEW RECORD**
**(if applicable)**

**Site Name:** Camp Navajo IRP
**Subject:** Five-Year Review **Date: April 13, 2020**
**Type:** ☐ Telephone ☐ Visit ☒ Other ☐ Incoming ☐ Outgoing
**Location of Visit:**

**Contact Made By: Kim Birdsall**

**Name:**
**Title:**
**Organization:** Dawson Technical, LLC

**Individual Contacted:**

**Name:** Karin Harker
**Title:** Federal Projects Unit Manager
**Organization:** Arizona Department of Environmental Quality
**Telephone No**: 602-771-0361
**Fax No:**
**E-Mail Address:** Harker.Karin@azdeq.gov
**Street Address:** 1110 West Washington Street
**City: Phoenix** **State: AZ** **Zip: 85007**

1. ***What is your overall impression of the project? (general sentiment)***
   Overall the project of the 5 LTM sites (NAAD-01, -11B, -20, -40, -43) have continued to show progress as planned in the Decision Document, with the exception of NAAD-11B. While NAAD-11B has shown the natural attenuation remedy is appropriate for majority of the contaminants, it is not showing as promising for RDX. Would suggest revaluating the remedy selection for that contaminant for protectiveness.

2. ***Have there been routine communications or activities (site visits, inspections, reporting activities, etc.) conducted by your office regarding the site? If so, please give purpose and results.*** Yes, there has been routine communications with the regulatory agency regarding the activities conducted on the sites as part of the annual reporting process.

3. ***Have there been any complaints, violations, or other incidents related to the site requiring a response by your office? If so, please give details of the events and results of the responses.*** No, not that I'm aware of.

4. ***Do you feel well informed about the site's activities and progress?***
   Yes, communications and information is continually shared between parties. Over the last 5 years quarterly teleconference calls have been established which has helped with the over sharing information of the site's activities and progress.

5. ***Do you have any comments, suggestions, or recommendations regarding the site's management or operation?*** Besides response to Question #1, No, continue the great progress and evaluation of NAAD-43 for potential closure.

**STATE AND LOCAL AUTHORITIES INTERVIEW RECORD**
**(if applicable)**

**Site Name:** Camp Navajo IRP
**Subject:** Five-Year Review **Date: April 13, 2020**
**Type:** ☐ Telephone ☐ Visit ☒ Other ☐ Incoming ☐ Outgoing
**Location of Visit:**

**Contact Made By:**

**Name:**
**Title:**
**Organization:** Dawson Technical, LLC

**Individual Contacted:**

**Name:** Steve Willis
**Title:** Sr. Scientist
**Organization:** UXO Pro, Inc.
**Telephone No**: 480-316-3373
**Fax No:**
**E-Mail Address:** steve@uxopro.com
**Street Address:** 5705 S 16th Dr
**City:** Phoenix **State:** AZ **Zip:** 85041

***1. What is your overall impression of the project? (general sentiment)***
The project has progressed as planned in the Decision Document. Sampling and inspection activities have proceeded as scheduled and AZARNG has been proactive addressing issues such as wellhead repairs and maintenance of Land Use Controls. Overall, the project has been very well managed.

***2. Have there been routine communications or activities (site visits, inspections, reporting activities, etc.) conducted by your office regarding the site? If so, please give purpose and results.***
Communications on this project have been very good. The project team conducts regular quarterly teleconferences to discuss the project status. AZARNG has also been very cooperative in scheduling additional teleconference calls when necessary to resolve outstanding issues (e.g., discussions regarding NAAD43 path forward and soil sampling rationale) ADEQ and UXO Pro conducted several site visits during the past 5 years to observe sampling activities and site conditions, including NAAD11B and NAAD40 groundwater sampling.

***3. Have there been any complaints, violations, or other incidents related to the site requiring a response by your office? If so, please give details of the events and results of the responses.***
None that I'm aware of.

***4. Do you feel well informed about the site's activities and progress?***
Yes.

***5. Do you have any comments, suggestions, or recommendations regarding the site's management or operation?***

As indicated in the response to Question #1, the AZARNG has managed the project very well. Remedy protectiveness should be reviewed for RDX at NAAD11B. Most explosive constituents in groundwater at the site have declined significantly, however RDX remains elevated, does not appear to be naturally attenuating, and is likely to persist for many years. Potential remedial options for RDX should be considered.

# Appendix C

# Data Tables

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# Table H-1
# Cumulative Analytical Data
# NAAD-11B

| | | | | Analysis Group | Explosives, Dissolved | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Analyte | 1,3,5-Trinitrobenzene | 1,3-Dinitrobenzene | 2,4,6-Trinitrotoluene | 2,4-Dinitrotoluene | 2,6-Dinitrotoluene | 2-Amino-4,6-dinitrotoluene | 4-Amino-2,6-dinitrotoluene | HMX (Octogen) | m-Nitrotoluene | Nitrobenzene | o-Nitrotoluene | p-Nitrotoluene | RDX | Tetryl |
| | | | | CAS No. | 99-35-4 | 99-65-0 | 118-96-7 | 121-14-2 | 606-20-2 | 35572-78-2 | 19406-51-0 | 2691-41-0 | 99-08-1 | 98-95-3 | 88-72-2 | 99-99-0 | 121-82-4 | 479-45-8 |
| | | | | Units | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L |
| | | | | PAL | 590 | 2 | 2.5 | 0.24 | 0.049 | 39 | 39 | 1000 | 1.7 | 0.14 | 0.31 | 4.3 | 0.7 | 39 |
| Station | Event | Sample ID | Date | Type | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 00-01 | 200011 | 00-01 | 11/3/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200101 | 00-01 | 1/25/2001 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200104 | 00-01 | 4/25/2001 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200108 | 00-01 | 8/1/2001 | FS | 5 U[U] | 1 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 10 U[U] | 10 U[U] | **20** | 5 U[U] |
| | 200511 | ND11B-WTR00-01-4Q05-A | 11/2/2005 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200601 | ND11B-WTR00-01-1Q06-A | 2/1/2006 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200604 | ND11B-WTR00-01-2Q06-A | 4/19/2006 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200710 | ND11B-WTR00-01-4Q07-A | 10/18/2007 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200804 | ND11B-WTR00-01-1Q08-A | 4/9/2008 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200810 | ND11B-WTR-00-01-3Q08-A | 10/21/2008 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200903 | ND11B-WTR-00-01-1Q09-A | 4/7/2009 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200910 | ND11B-WTR-00-01-3Q09-A | 10/5/2009 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-00-01-1Q10-A | 4/14/2010 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-00-01-3Q10-A | 10/13/2010 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201208 | ND11B-WTR-00-01-2012-A | 8/10/2012 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201208 | ND11B-WTR-00-01-2012-B | 8/10/2012 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201305 | ND11B-WTR00-01-2013-A | 5/22/2013 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201403 | ND11B-WTR00-01-2014-A | 5/14/2014 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201505 | ND11B-WTR00-01-2015-A | 5/5/2015 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201607 | NAAD11B-00-01-00 | 7/27/2016 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201607 | NAAD11B-00-01-01 | 7/27/2016 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201705 | NAAD11B-00-01-00 | 5/6/2017 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201805 | NAAD11B-0001-00 | 5/23/2018 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201905 | NAAD11B-0001-00 | 5/2/2019 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201905 | NAAD11B-0001-01 | 5/2/2019 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 00-02 | 200011 | 00-02 | 11/3/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200101 | 00-02 | 1/25/2001 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200104 | 00-02 | 4/25/2001 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200108 | 00-02 | 8/1/2001 | FS | 5 U[U] | 1 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | **39** | 5 U[U] |
| | 200511 | ND11B-WTR0002-4Q05-A | 11/1/2005 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200601 | ND11B-WTR0002-1Q06-A | 1/30/2006 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200703 | ND11B-WTR00-02-1Q07-A | 3/7/2007 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200710 | ND11B-WTR0002-4Q07-A | 10/18/2007 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200804 | ND11B-WTR0002-1Q08-A | 4/9/2008 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200810 | ND11B-WTR-00-02-3Q08-A | 10/21/2008 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200903 | ND11B-WTR-00-02-1Q09-A | 4/8/2009 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200910 | ND11B-WTR-00-02-3Q09-A | 10/6/2009 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-00-02-1Q10-A | 4/12/2010 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-00-02-1Q10-B | 4/12/2010 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-00-02-3Q10-A | 10/13/2010 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-00-02-3Q10-B | 10/13/2010 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201208 | ND11B-WTR-00-02-2012-A | 8/7/2012 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201208 | ND11B-WTR-00-02-2012-B | 8/7/2012 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**Table H-1**
**Cumulative Analytical Data**
**NAAD-11B**

| | | | | Analysis Group | Explosives, Dissolved | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Analyte | 1,3,5-Trinitrobenzene | 1,3-Dinitrobenzene | 2,4,6-Trinitrotoluene | 2,4-Dinitrotoluene | 2,6-Dinitrotoluene | 2-Amino-4,6-dinitrotoluene | 4-Amino-2,6-dinitrotoluene | HMX (Octogen) | m-Nitrotoluene | Nitrobenzene | o-Nitrotoluene | p-Nitrotoluene | RDX | Tetryl |
| | | | | CAS No. | 99-35-4 | 99-65-0 | 118-96-7 | 121-14-2 | 606-20-2 | 35572-78-2 | 19406-51-0 | 2691-41-0 | 99-08-1 | 98-95-3 | 88-72-2 | 99-99-0 | 121-82-4 | 479-45-8 |
| | | | | Units | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L |
| | | | | PAL | 590 | 2 | 2.5 | 0.24 | 0.049 | 39 | 39 | 1000 | 1.7 | 0.14 | 0.31 | 4.3 | 0.7 | 39 |
| Station | Event | Sample ID | Date | Type | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 00-02 | 201305 | ND11B-WTR00-02-2013-A | 5/21/2013 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201403 | ND11B-WTR00-02-2014-A | 5/14/2014 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201505 | ND11B-WTR00-02-2015-A | 5/6/2015 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201607 | NAAD11B-00-02-00 | 7/28/2016 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201705 | NAAD11B-00-02-00 | 5/6/2017 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201805 | NAAD11B-0002-00 | 5/23/2018 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201905 | NAAD11B-0002-00 | 5/3/2019 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 02-01 | 200511 | ND11B-WTR02-01-4Q05-A | 11/1/2005 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200601 | ND11B-WTR02-01-1Q06-A | 1/31/2006 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200604 | ND11B-WTR02-01-2Q06-A | 4/19/2006 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200607 | ND11B-WTRMW02-01-3Q06-A | 7/11/2006 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200703 | ND11B-WTR02-01-1Q07-A | 3/6/2007 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200710 | ND11B-WTRMW02-01-4Q07-A | 10/18/2007 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200710 | ND11B-WTRMW02-01-4Q07-B | 10/18/2007 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200804 | ND11B-WTRMW02-01-1Q08-A | 4/8/2008 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200804 | ND11B-WTRMW02-01-1Q08-B | 4/8/2008 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200810 | ND11B-WTR-02-01-3Q08-A | 10/23/2008 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200903 | ND11B-WTR-02-01-1Q09-A | 4/8/2009 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200910 | ND11B-WTR-02-01-3Q09-A | 10/6/2009 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-02-01-1Q10-A | 4/12/2010 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-02-01-3Q10-A | 10/14/2010 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201208 | ND11B-WTR-02-01-2012-A | 8/7/2012 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201305 | ND11B-WTR02-01-2013-A | 5/21/2013 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201403 | ND11B-WTR02-01-2014-A | 5/14/2014 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201505 | ND11B-WTR02-01-2015-A | 5/5/2015 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201606 | NAAD11B-02-01-00 | 6/15/2016 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201705 | NAAD11B-02-01-00 | 5/5/2017 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201805 | NAAD11B-0201-00 | 5/21/2018 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201905 | NAAD11B-0201-00 | 5/1/2019 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 02-02 | 200511 | ND11B-WTRMW02-02-4Q05-A | 11/2/2005 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200810 | ND11B-WTR-02-02-3Q08-A | 10/21/2008 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200903 | ND11B-WTR-MW-02-02-1Q09-A | 4/7/2009 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200910 | ND11B-WTR-02-02-3Q09-A | 10/6/2009 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-02-02-1Q10-A | 4/14/2010 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-02-02-3Q10-A | 10/13/2010 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201208 | ND11B-WTR-02-02-2012-A | 8/10/2012 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201305 | ND11B-WTR02-02-2013-A | 5/21/2013 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201305 | ND11B-WTR02-02-2013-B | 5/21/2013 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201403 | ND11B-WTR-02-02-2014-A | 5/12/2014 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201505 | ND11B-WTR02-02-2015-A | 5/5/2015 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201607 | NAAD11B-02-02-00 | 7/27/2016 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201705 | NAAD11B-02-02-00 | 5/5/2017 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201805 | NAAD11B-0202-00 | 5/22/2018 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**Table H-1**
**Cumulative Analytical Data**
**NAAD-11B**

| | | | | Analysis Group | Explosives, Dissolved | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Analyte | 1,3,5-Trinitrobenzene | 1,3-Dinitrobenzene | 2,4,6-Trinitrotoluene | 2,4-Dinitrotoluene | 2,6-Dinitrotoluene | 2-Amino-4,6-dinitrotoluene | 4-Amino-2,6-dinitrotoluene | HMX (Octogen) | m-Nitrotoluene | Nitrobenzene | o-Nitrotoluene | p-Nitrotoluene | RDX | Tetryl |
| | | | | CAS No. | 99-35-4 | 99-65-0 | 118-96-7 | 121-14-2 | 606-20-2 | 35572-78-2 | 19406-51-0 | 2691-41-0 | 99-08-1 | 98-95-3 | 88-72-2 | 99-99-0 | 121-82-4 | 479-45-8 |
| | | | | Units | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L |
| | | | | PAL | 590 | 2 | 2.5 | 0.24 | 0.049 | 39 | 39 | 1000 | 1.7 | 0.14 | 0.31 | 4.3 | 0.7 | 39 |
| Station | Event | Sample ID | Date | Type | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 02-02 | 201905 | NAAD11B-0202-00 | 5/1/2019 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201905 | NAAD11B-0202-01 | 5/1/2019 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 97-04 | 199711 | 97-04 | 11/9/1997 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199810 | 97-04 | 10/15/1998 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199901 | 97-04 | 1/21/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199904 | 97-04 | 4/22/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199907 | 97-04 | 7/14/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199910 | 97-04 | 10/15/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200011 | 97-04 | 2/17/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200011 | 97-04 | 4/28/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200011 | 97-04 | 7/20/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200011 | 97-04 | 11/3/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200101 | 97-04 | 1/24/2001 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200104 | 97-04 | 4/25/2001 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200108 | 97-04 | 8/1/2001 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200703 | ND11B-WTR97-04-1Q07-A | 3/7/2007 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200804 | ND11B-WTR97-04-1Q08-A | 4/8/2008 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200810 | ND11B-WTR-97-04-3Q08-A | 10/23/2008 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200903 | ND11B-WTR-97-04-1Q09-A | 4/7/2009 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200903 | ND11B-WTR-97-04-1Q09-B | 4/7/2009 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200910 | ND11B-WTR-97-04-3Q09-A | 10/6/2009 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-97-04-1Q10-A | 4/12/2010 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-97-04-1Q10-B | 4/12/2010 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-97-04-3Q10-A | 10/12/2010 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-97-04-3Q10-B | 10/12/2010 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201208 | ND11B-WTR-97-04-2012-A | 8/9/2012 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201208 | ND11B-WTR-97-04-2012-B | 8/9/2012 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201305 | ND11B-WTR97-04-2013-A | 5/21/2013 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201403 | ND11B-WTR97-04-2014-A | 5/13/2014 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201403 | ND11B-WTR97-04-2014-B | 5/13/2014 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201505 | ND11B-WTR97-04-2015-A | 5/5/2015 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201606 | NAAD11B-97-04-00 | 6/16/2016 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201705 | NAAD11B-97-04-00 | 5/5/2017 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201805 | NAAD11B-9704-00 | 5/22/2018 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201905 | NAAD11B-9704-00 | 5/1/2019 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 97-05 | 199711 | 97-05 | 11/9/1997 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199810 | 97-05 | 10/15/1998 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199901 | 97-05 | 1/21/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199904 | 97-05 | 4/22/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199907 | 97-05 | 7/14/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199910 | 97-05 | 10/15/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200011 | 97-05 | 2/17/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200011 | 97-05 | 4/28/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

# Table H-1
# Cumulative Analytical Data
# NAAD-11B

| | | | | Analysis Group | Explosives, Dissolved | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Analyte | 1,3,5-Trinitrobenzene | 1,3-Dinitrobenzene | 2,4,6-Trinitrotoluene | 2,4-Dinitrotoluene | 2,6-Dinitrotoluene | 2-Amino-4,6-dinitrotoluene | 4-Amino-2,6-dinitrotoluene | HMX (Octogen) | m-Nitrotoluene | Nitrobenzene | o-Nitrotoluene | p-Nitrotoluene | RDX | Tetryl |
| | | | | CAS No. | 99-35-4 | 99-65-0 | 118-96-7 | 121-14-2 | 606-20-2 | 35572-78-2 | 19406-51-0 | 2691-41-0 | 99-08-1 | 98-95-3 | 88-72-2 | 99-99-0 | 121-82-4 | 479-45-8 |
| | | | | Units | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L |
| | | | | PAL | 590 | 2 | 2.5 | 0.24 | 0.049 | 39 | 39 | 1000 | 1.7 | 0.14 | 0.31 | 4.3 | 0.7 | 39 |
| Station | Event | Sample ID | Date | Type | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 97-05 | 200011 | 97-05 | 7/20/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200011 | 97-05 | 11/3/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200101 | 97-05 | 1/25/2001 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200104 | 97-05 | 4/25/2001 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200108 | 97-05 | 8/1/2001 | FS | 5 U[U] | 1 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 10 U[U] | 10 U[U] | **41** | 5 U[U] |
| | 200511 | ND11B-WTR97-05-4Q05-A | 11/2/2005 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200601 | ND11B-WTR97-05-1Q06-A | 1/30/2006 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200604 | ND11B-WTR97-05-2Q06-A | 4/18/2006 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200703 | ND11B-WTR97-05-1Q07-A | 3/6/2007 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200710 | ND11B-WTR97-05-4Q07-A | 10/19/2007 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200804 | ND11B-WTR97-05-1Q08-A | 4/9/2008 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200810 | ND11B-WTR-97-05-3Q08-A | 10/22/2008 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200903 | ND11B-WTR-97-05-1Q09-A | 4/8/2009 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200910 | ND11B-WTR-97-05-3Q09-A | 10/6/2009 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-97-05-1Q10-A | 4/12/2010 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-97-05-3Q10-A | 10/14/2010 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201208 | ND11B-WTR-97-05-2012-A | 8/10/2012 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201305 | ND11B-WTR97-05-2013-A | 5/21/2013 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201305 | ND11B-WTR97-05-2013-B | 5/21/2013 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201403 | ND11B-WTR97-05-2014-A | 5/13/2014 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201505 | ND11B-WTR97-05-2015-A | 5/6/2015 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201505 | ND11B-WTR97-05-2015-B | 5/6/2015 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201607 | NAAD11B-97-05-00 | 7/28/2016 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201705 | NAAD11B-97-05-00 | 5/6/2017 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201805 | NAAD11B-9705-00 | 5/23/2018 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201905 | NAAD11B-9705-00 | 5/3/2019 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 97-06 | 199711 | 97-06 | 11/9/1997 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199810 | 97-06 | 10/15/1998 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199901 | 97-06 | 1/20/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199904 | 97-06 | 4/22/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199907 | 97-06 | 7/13/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199907 | 97-06 | 8/12/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199910 | 97-06 | 10/15/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200011 | 97-06 | 2/17/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200011 | 97-06 | 4/28/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200011 | 97-06 | 7/20/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200011 | 97-06 | 11/3/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200101 | 97-06 | 1/24/2001 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200104 | 97-06 | 4/25/2001 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200108 | 97-06 | 8/1/2001 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200203 | 97-06 | 3/12/2002 | FS | NA | NA | 2.2 U[U] | NA | NA | NA | 73 U[U] | NA | NA | NA | NA | NA | 0.61 U[U] | NA |
| | 200511 | ND11B-WTR97-06-4Q05-A | 11/2/2005 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200601 | ND11B-WTR97-06-1Q06-A | 1/30/2006 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

# Table H-1
# Cumulative Analytical Data
# NAAD-11B

| | | | | Analysis Group | Explosives, Dissolved | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Analyte | 1,3,5-Trinitrobenzene | 1,3-Dinitrobenzene | 2,4,6-Trinitrotoluene | 2,4-Dinitrotoluene | 2,6-Dinitrotoluene | 2-Amino-4,6-dinitrotoluene | 4-Amino-2,6-dinitrotoluene | HMX (Octogen) | m-Nitrotoluene | Nitrobenzene | o-Nitrotoluene | p-Nitrotoluene | RDX | Tetryl |
| | | | | CAS No. | 99-35-4 | 99-65-0 | 118-96-7 | 121-14-2 | 606-20-2 | 35572-78-2 | 19406-51-0 | 2691-41-0 | 99-08-1 | 98-95-3 | 88-72-2 | 99-99-0 | 121-82-4 | 479-45-8 |
| | | | | Units | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L |
| | | | | PAL | 590 | 2 | 2.5 | 0.24 | 0.049 | 39 | 39 | 1000 | 1.7 | 0.14 | 0.31 | 4.3 | 0.7 | 39 |
| Station | Event | Sample ID | Date | Type | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 97-06 | 200604 | ND11B-WTR97-06-2Q06-A | 4/19/2006 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200607 | ND11B-WTR97-06-3Q06-A | 7/11/2006 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200703 | ND11B-WTR97-06-1Q07-A | 3/7/2007 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200703 | ND11B-WTR97-06-1Q07-B | 3/7/2007 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200710 | ND11B-WTR97-06-4Q07-A | 10/18/2007 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200804 | ND11B-WTR97-06-1Q08-A | 4/8/2008 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200810 | ND11B-WTR-97-06-3Q08-A | 10/22/2008 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200810 | ND11B-WTR-97-06-3Q08-B | 10/22/2008 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200903 | ND11B-WTR-97-06-1Q09-A | 4/7/2009 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200910 | ND11B-WTR-97-06-3Q09-A | 10/6/2009 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-97-06-1Q10-A | 4/12/2010 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-97-06-3Q10-A | 10/12/2010 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201208 | ND11B-WTR-97-06-2012-A | 8/9/2012 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201305 | ND11B-WTR97-06-2013-A | 5/21/2013 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201403 | ND11B-WTR97-06-2014-A | 5/13/2014 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201403 | ND11B-WTR97-06-2014-B | 5/13/2014 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201505 | ND11B-WTR97-06-2015-A | 5/5/2015 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201606 | NAAD11B-97-06-00 | 6/16/2016 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201705 | NAAD11B-97-06-00 | 5/5/2017 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201805 | NAAD11B-9706-00 | 5/22/2018 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201905 | NAAD11B-9706-00 | 5/2/2019 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 97-07 | 201905 | NAAD11B-9707-00 | 5/2/2019 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 97-08 | 199711 | 97-08 | 11/10/1997 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199810 | 97-08 | 10/15/1998 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199901 | 97-08 | 1/21/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199904 | 97-08 | 4/22/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199907 | 97-08 | 7/14/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199910 | 97-08 | 10/15/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200011 | 97-08 | 2/17/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200011 | 97-08 | 4/28/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200011 | 97-08 | 7/20/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200011 | 97-08 | 11/3/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200101 | 97-08 | 1/25/2001 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200104 | 97-08 | 4/5/2001 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200104 | 97-08 | 4/25/2001 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200108 | 97-08 | 8/1/2001 | FS | 5 U[U] | 1 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 10 U[U] | 10 U[U] | **29** | 5 U[U] |
| | 200203 | 97-08 | 3/12/2002 | FS | NA | NA | 2.2 U[U] | NA | NA | NA | 73 U[U] | NA | NA | NA | NA | NA | 0.61 U[U] | NA |
| | 200511 | ND11B-WTR97-08-4Q05-A | 11/1/2005 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200511 | ND11B-WTR97-08-4Q05-B | 11/1/2005 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200601 | ND11B-WTR97-08-1Q06-A | 1/31/2006 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200601 | ND11B-WTR97-08-1Q06-B | 1/31/2006 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200604 | ND11B-WTR97-08-2Q06-A | 4/18/2006 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200604 | ND11B-WTR97-08-2Q06-B | 4/18/2006 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

# Table H-1
# Cumulative Analytical Data
# NAAD-11B

| | | | | Analysis Group | Explosives, Dissolved | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Analyte | 1,3,5-Trinitrobenzene | 1,3-Dinitrobenzene | 2,4,6-Trinitrotoluene | 2,4-Dinitrotoluene | 2,6-Dinitrotoluene | 2-Amino-4,6-dinitrotoluene | 4-Amino-2,6-dinitrotoluene | HMX (Octogen) | m-Nitrotoluene | Nitrobenzene | o-Nitrotoluene | p-Nitrotoluene | RDX | Tetryl |
| | | | | CAS No. | 99-35-4 | 99-65-0 | 118-96-7 | 121-14-2 | 606-20-2 | 35572-78-2 | 19406-51-0 | 2691-41-0 | 99-08-1 | 98-95-3 | 88-72-2 | 99-99-0 | 121-82-4 | 479-45-8 |
| | | | | Units | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L |
| | | | | PAL | 590 | 2 | 2.5 | 0.24 | 0.049 | 39 | 39 | 1000 | 1.7 | 0.14 | 0.31 | 4.3 | 0.7 | 39 |
| Station | Event | Sample ID | Date | Type | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 97-08 | 200607 | ND11B-WTR97-08-3Q06-A | 7/11/2006 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200703 | ND11B-WTR97-08-1Q07-A | 3/6/2007 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200710 | ND11B-WTR97-08-4Q07-A | 10/18/2007 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200710 | ND11B-WTR97-08-4Q07-B | 10/18/2007 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200804 | ND11B-WTR97-08-1Q08-A | 4/10/2008 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200804 | ND11B-WTR97-08-1Q08-B | 4/10/2008 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200810 | ND11B-WTR-97-08-3Q08-A | 10/22/2008 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200903 | ND11B-WTR-97-08-1Q09-A | 4/8/2009 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200910 | ND11B-WTR-97-08-3Q09-A | 10/5/2009 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-97-08-1Q10-A | 4/12/2010 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-97-08-3Q10-A | 10/13/2010 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201208 | ND11B-WTR-97-08-2012-A | 8/7/2012 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201305 | ND11B-WTR97-08-2013-A | 5/21/2013 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201403 | ND11B-WTR97-08-2014-A | 5/14/2014 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201505 | ND11B-WTR97-08-2015-A | 5/5/2015 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201505 | ND11B-WTR97-08-2015-B | 5/5/2015 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201607 | NAAD11B-97-08-00 | 7/27/2016 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201705 | NAAD11B-97-08-00 | 5/5/2017 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201805 | NAAD11B-9708-00 | 5/23/2018 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201805 | NAAD11B-9708-01 | 5/23/2018 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201905 | NAAD11B-9708-00 | 5/2/2019 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 97-09 | 199711 | 97-09 | 11/9/1997 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199810 | 97-09 | 10/14/1998 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199901 | 97-09 | 1/20/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199904 | 97-09 | 4/21/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199907 | 97-09 | 7/13/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199907 | 97-09 | 8/12/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199910 | 97-09 | 10/15/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200011 | 97-09 | 2/17/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200011 | 97-09 | 4/27/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200011 | 97-09 | 7/19/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200011 | 97-09 | 11/2/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200101 | 97-09 | 1/24/2001 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200104 | 97-09 | 4/25/2001 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200107 | 97-09 | 7/31/2001 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200203 | 97-09 | 3/12/2002 | FS | NA | NA | 2.2 U[U] | NA | NA | NA | 73 U[U] | NA | NA | NA | NA | NA | 0.61 U[U] | NA |
| | 200304 | 97-09 | 4/18/2003 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200511 | ND11B-WTR97-09-4Q05-A | 11/2/2005 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200601 | ND11B-WTR97-09-1Q06-A | 1/31/2006 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200604 | ND11B-WTR97-09-2Q06-A | 4/18/2006 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200607 | ND11B-WTR97-09-3Q06-A | 7/11/2006 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200703 | ND11B-WTR97-09-1Q07-A | 3/7/2007 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200710 | ND11B-WTR97-09-4Q07-A | 10/18/2007 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

# Table H-1
# Cumulative Analytical Data
# NAAD-11B

| | | | | Analysis Group | Explosives, Dissolved | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Analyte | 1,3,5-Trinitrobenzene | 1,3-Dinitrobenzene | 2,4,6-Trinitrotoluene | 2,4-Dinitrotoluene | 2,6-Dinitrotoluene | 2-Amino-4,6-dinitrotoluene | 4-Amino-2,6-dinitrotoluene | HMX (Octogen) | m-Nitrotoluene | Nitrobenzene | o-Nitrotoluene | p-Nitrotoluene | RDX | Tetryl |
| | | | | CAS No. | 99-35-4 | 99-65-0 | 118-96-7 | 121-14-2 | 606-20-2 | 35572-78-2 | 19406-51-0 | 2691-41-0 | 99-08-1 | 98-95-3 | 88-72-2 | 99-99-0 | 121-82-4 | 479-45-8 |
| | | | | Units | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L |
| | | | | PAL | 590 | 2 | 2.5 | 0.24 | 0.049 | 39 | 39 | 1000 | 1.7 | 0.14 | 0.31 | 4.3 | 0.7 | 39 |
| Station | Event | Sample ID | Date | Type | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 97-09 | 200804 | ND11B-WTR97-09-1Q08-A | 4/10/2008 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200810 | ND11B-WTR-97-09-3Q08-A | 10/23/2008 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200903 | ND11B-WTR-97-09-1Q09-A | 4/7/2009 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200910 | ND11B-WTR-97-09-3Q09-A | 10/6/2009 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200910 | ND11B-WTR-97-09-3Q09-B | 10/6/2009 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-97-09-1Q10-A | 4/14/2010 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-97-09-3Q10-A | 10/12/2010 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201208 | ND11B-WTR-97-09-2012-A | 8/10/2012 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201305 | ND11B-WTR97-09-2013-A | 5/21/2013 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201403 | ND11B-WTR97-09-2014-A | 5/12/2014 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201505 | ND11B-WTR97-09-2015-A | 5/5/2015 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201606 | NAAD11B-97-09-00 | 6/16/2016 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201705 | NAAD11B-97-09-00 | 5/5/2017 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201805 | NAAD11B-9709-00 | 5/21/2018 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201905 | NAAD11B-9709-00 | 5/2/2019 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 97-10 | 199711 | 97-10 | 11/9/1997 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199810 | 97-10 | 10/14/1998 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199901 | 97-10 | 1/20/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199904 | 97-10 | 4/20/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199907 | 97-10 | 7/12/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199910 | 97-10 | 10/15/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200011 | 97-10 | 2/17/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200011 | 97-10 | 4/27/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200011 | 97-10 | 7/19/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200011 | 97-10 | 11/2/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200101 | 97-10 | 1/24/2001 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200104 | 97-10 | 4/24/2001 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200107 | 97-10 | 7/31/2001 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200304 | 97-10 | 4/18/2003 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 98-01 | 199810 | 98-01 | 10/14/1998 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199901 | 98-01 | 1/20/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199904 | 98-01 | 4/20/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199907 | 98-01 | 7/12/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199910 | 98-01 | 10/15/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200011 | 98-01 | 2/17/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200011 | 98-01 | 4/27/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200011 | 98-01 | 7/19/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200011 | 98-01 | 11/2/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200101 | 98-01 | 1/24/2001 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200104 | 98-01 | 4/24/2001 | FS | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] |
| | 200107 | 98-01 | 7/31/2001 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200111 | 98-01 | 11/14/2001 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200304 | 98-01 | 4/18/2003 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**Table H-1**
**Cumulative Analytical Data**
**NAAD-11B**

| | | | | Analysis Group | Explosives, Dissolved | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Analyte | 1,3,5-Trinitrobenzene | 1,3-Dinitrobenzene | 2,4,6-Trinitrotoluene | 2,4-Dinitrotoluene | 2,6-Dinitrotoluene | 2-Amino-4,6-dinitrotoluene | 4-Amino-2,6-dinitrotoluene | HMX (Octogen) | m-Nitrotoluene | Nitrobenzene | o-Nitrotoluene | p-Nitrotoluene | RDX | Tetryl |
| | | | | CAS No. | 99-35-4 | 99-65-0 | 118-96-7 | 121-14-2 | 606-20-2 | 35572-78-2 | 19406-51-0 | 2691-41-0 | 99-08-1 | 98-95-3 | 88-72-2 | 99-99-0 | 121-82-4 | 479-45-8 |
| | | | | Units | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L |
| | | | | PAL | 590 | 2 | 2.5 | 0.24 | 0.049 | 39 | 39 | 1000 | 1.7 | 0.14 | 0.31 | 4.3 | 0.7 | 39 |
| Station | Event | Sample ID | Date | Type | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 98-02 | 199810 | 98-02 | 10/14/1998 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199901 | 98-02 | 1/20/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199904 | 98-02 | 4/20/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199907 | 98-02 | 7/12/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199910 | 98-02 | 10/15/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200011 | 98-02 | 2/17/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200011 | 98-02 | 4/27/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200011 | 98-02 | 7/19/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200011 | 98-02 | 11/2/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200101 | 98-02 | 1/24/2001 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200104 | 98-02 | 4/25/2001 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200107 | 98-02 | 7/31/2001 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200111 | 98-02 | 11/14/2001 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200304 | 98-02 | 4/18/2003 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200511 | ND11B-WTR98-02-4Q05-A | 11/2/2005 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200601 | ND11B-WTR98-02-1Q06-A | 1/31/2006 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200604 | ND11B-WTR98-02-2Q06-A | 4/18/2006 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200607 | ND11B-WTR98-02-3Q06-A | 7/11/2006 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200607 | ND11B-WTR98-02-3Q06-B | 7/11/2006 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200703 | ND11B-WTR98-02-1Q07-A | 3/7/2007 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200710 | ND11B-WTR98-02-4Q07-A | 10/18/2007 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200804 | ND11B-WTR98-02-1Q08-A | 4/10/2008 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200810 | ND11B-WTR-98-02-3Q08-A | 10/23/2008 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200903 | ND11B-WTR-98-02-1Q09-A | 4/7/2009 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200910 | ND11B-WTR-98-02-3Q09-A | 10/6/2009 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-98-02-1Q10-A | 4/14/2010 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-98-02-3Q10-A | 10/12/2010 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201208 | ND11B-WTR-98-02-2012-A | 8/9/2012 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 98-03 | 199810 | 98-03 | 10/15/1998 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199901 | 98-03 | 1/21/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199904 | 98-03 | 4/22/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199907 | 98-03 | 7/13/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199907 | 98-03 | 8/12/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199910 | 98-03 | 10/15/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200011 | 98-03 | 4/28/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200104 | 98-03 | 4/25/2001 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200511 | ND11B-WTR98-03-4Q05-A | 11/2/2005 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200804 | ND11B-WTR98-03-1Q08-A | 4/9/2008 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200903 | ND11B-WTR-98-03-1Q09-A | 4/7/2009 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-98-03-1Q10-A | 4/14/2010 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-98-03-3Q10-A | 10/13/2010 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201208 | ND11B-WTR-98-03-2012-A | 8/10/2012 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201305 | ND11B-WTR98-03-2013-A | 5/21/2013 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**Table H-1**
**Cumulative Analytical Data**
**NAAD-11B**

| | | | | Analysis Group | Explosives, Dissolved | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Analyte | 1,3,5-Trinitrobenzene | 1,3-Dinitrobenzene | 2,4,6-Trinitrotoluene | 2,4-Dinitrotoluene | 2,6-Dinitrotoluene | 2-Amino-4,6-dinitrotoluene | 4-Amino-2,6-dinitrotoluene | HMX (Octogen) | m-Nitrotoluene | Nitrobenzene | o-Nitrotoluene | p-Nitrotoluene | RDX | Tetryl |
| | | | | CAS No. | 99-35-4 | 99-65-0 | 118-96-7 | 121-14-2 | 606-20-2 | 35572-78-2 | 19406-51-0 | 2691-41-0 | 99-08-1 | 98-95-3 | 88-72-2 | 99-99-0 | 121-82-4 | 479-45-8 |
| | | | | Units | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L |
| | | | | PAL | 590 | 2 | 2.5 | 0.24 | 0.049 | 39 | 39 | 1000 | 1.7 | 0.14 | 0.31 | 4.3 | 0.7 | 39 |
| Station | Event | Sample ID | Date | Type | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 98-03 | 201403 | ND11B-WTR98-03-2014-A | 5/14/2014 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201505 | ND11B-WTR98-03-2015-A | 5/5/2015 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201607 | NAAD11B-98-03-00 | 7/27/2016 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201705 | NAAD11B-98-03-00 | 5/5/2017 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201705 | NAAD11B-98-03-01 | 5/5/2017 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201905 | NAAD11B-9803-00 | 5/3/2019 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 99-03 | 199904 | 99-03 | 4/6/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199904 | 99-03 | 4/22/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199907 | 99-03 | 7/13/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199907 | 99-03 | 8/12/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199910 | 99-03 | 10/15/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200011 | 99-03 | 2/17/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200011 | 99-03 | 4/28/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200011 | 99-03 | 7/20/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200011 | 99-03 | 11/3/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200101 | 99-03 | 1/24/2001 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200104 | 99-03 | 4/25/2001 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200108 | 99-03 | 8/1/2001 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200111 | 99-03 | 11/14/2001 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200703 | ND11B-WTR99-03-1Q07-A | 3/7/2007 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200710 | ND11B-WTR99-03-4Q07-A | 10/19/2007 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200804 | ND11B-WTR99-03-1Q08-A | 4/8/2008 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200810 | ND11B-WTR-99-03-3Q08-A | 10/22/2008 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200903 | ND11B-WTR-99-03-1Q09-A | 4/7/2009 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200910 | ND11B-WTR-99-03-3Q09-A | 10/6/2009 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-99-03-1Q10-A | 4/13/2010 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-99-03-3Q10-A | 10/13/2010 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201208 | ND11B-WTR-99-03-2012-A | 8/10/2012 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201305 | ND11B-WTR99-03-2013-A | 5/21/2013 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201403 | ND11B-WTR99-03-2014-A | 5/14/2014 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201505 | ND11B-WTR99-03-2015-A | 5/5/2015 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201606 | NAAD11B-99-03-00 | 6/15/2016 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201606 | NAAD11B-99-03-01 | 6/15/2016 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201705 | NAAD11B-99-03-00 | 5/5/2017 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201705 | NAAD11B-99-03-01 | 5/5/2017 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201805 | NAAD11B-9903-00 | 5/22/2018 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201905 | NAAD11B-9903-00 | 5/2/2019 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**Table H-1**
**Cumulative Analytical Data**
**NAAD-11B**

| | | | | Analysis Group | Explosives, Total | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Analyte | 1,3,5-Trinitrobenzene | 1,3-Dinitrobenzene | 2,4,6-Trinitrotoluene | 2,4-Dinitrotoluene | 2,6-Dinitrotoluene | 2-Amino-4,6-dinitrotoluene | 2-Nitrotoluene/4-Nitrotoluene | 4-Amino-2,6-dinitrotoluene | HMX (Octogen) | m-Nitrotoluene | Nitrobenzene | o-Nitrotoluene | Perchlorate | p-Nitrotoluene | RDX | Tetryl |
| | | | | CAS No. | 99-35-4 | 99-65-0 | 118-96-7 | 121-14-2 | 606-20-2 | 35572-78-2 | 88-7-2/99-99-0 | 19406-51-0 | 2691-41-0 | 99-08-1 | 98-95-3 | 88-72-2 | 14797-73-0 | 99-99-0 | 121-82-4 | 479-45-8 |
| | | | | Units | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L |
| | | | | PAL | 590 | 2 | 2.5 | 0.24 | 0.049 | 39 | NE | 39 | 1000 | 1.7 | 0.14 | 0.31 | 11 | 4.3 | 0.7 | 39 |
| Station | Event | Sample ID | Date | Type | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 00-01 | 200011 | 00-01 | 11/3/2000 | FS | 0 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | 10 U[U] |
| | 200101 | 00-01 | 1/25/2001 | FS | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | NA | 10 U[U] | **12** | 10 U[U] |
| | 200104 | 00-01 | 4/25/2001 | FS | 5 U[U] | 1 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 10 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 10 U[U] | NA | 10 U[U] | 5 U[U] | 5 U[U] |
| | 200108 | 00-01 | 8/1/2001 | FS | 5 U[U] | 1 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 10 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 10 U[U] | NA | 10 U[U] | **22** | 5 U[U] |
| | 200511 | ND11B-WTR00-01-4Q05-A | 11/2/2005 | FS | 0.25 U[U] | NA | **3.3** | NA | NA | **11** | NA | **32** | NA | NA | NA | NA | 1 U[U] | NA | **99** | NA |
| | 200601 | ND11B-WTR00-01-1Q06-A | 2/1/2006 | FS | 0.25 U[U] | NA | 0.25 U[U] | NA | NA | **0.63** | NA | **2.6** | NA | NA | NA | NA | 1 U[U] | NA | **11** | NA |
| | 200604 | ND11B-WTR00-01-2Q06-A | 4/19/2006 | FS | 0.25 U[U] | NA | 0.25 U[U] | NA | NA | 0.25 U[U] | NA | **1.7** | NA | NA | NA | NA | 1 UJ[UJ] | NA | **7.7** | NA |
| | 200710 | ND11B-WTR00-01-4Q07-A | 10/18/2007 | FS | 0.2 UJ[UJ] | NA | 0.2 UJ[UJ] | NA | NA | **0.59 J[J]** | NA | **2.1 J[J]** | NA | NA | NA | NA | NA | NA | **14** | NA |
| | 200804 | ND11B-WTR00-01-1Q08-A | 4/9/2008 | FS | 0.2 UJ[UJ] | NA | 0.2 U[U] | NA | NA | **0.44 J[J]** | NA | **2 J[J]** | NA | NA | NA | NA | **0.22** | NA | **9.6 J[J]** | NA |
| | 200810 | ND11B-WTR-00-01-3Q08-A | 10/21/2008 | FS | 2 U[U] | NA | **3.8** | NA | NA | **11** | NA | **31** | NA | NA | NA | NA | NA | NA | **110** | NA |
| | 200903 | ND11B-WTR-00-01-1Q09-A | 4/7/2009 | FS | NA | NA | 0.2 U[U] | NA | NA | **0.96** | NA | **3.4** | NA | NA | NA | NA | NA | NA | **16** | NA |
| | 200910 | ND11B-WTR-00-01-3Q09-A | 10/5/2009 | FS | 0.2 U[U] | NA | 0.2 U[U] | NA | NA | **1.5 J[J]** | NA | **4.6 J[J]** | NA | NA | NA | NA | NA | NA | **20 J[J]** | NA |
| | 201004 | ND11B-WTR-00-01-1Q10-A | 4/14/2010 | FS | NA | NA | 1 U[U] | NA | NA | 1 U[U] | NA | **1.7 NJ[NJ]** | NA | NA | NA | NA | NA | NA | **14 J[J]** | NA |
| | 201004 | ND11B-WTR-00-01-3Q10-A | 10/13/2010 | FS | NA | NA | **1.3 J[J]** | NA | NA | **6.4 J[J]** | NA | **18 J[J]** | NA | NA | NA | NA | NA | NA | **62 J[J]** | NA |
| | 201208 | ND11B-WTR-00-01-2012-A | 8/10/2012 | FS | NA | NA | **1.2** | NA | NA | **6.1** | NA | **17** | NA | NA | NA | NA | NA | NA | **57 [J]** | NA |
| | 201208 | ND11B-WTR-00-01-2012-B | 8/10/2012 | FD | NA | NA | **1.3** | NA | NA | **6.3** | NA | **17** | NA | NA | NA | NA | NA | NA | **66 [J]** | NA |
| | 201305 | ND11B-WTR00-01-2013-A | 5/22/2013 | FS | NA | NA | 1.1 U[U] | NA | NA | **3.4** | NA | **11** | NA | NA | NA | NA | NA | NA | **47** | NA |
| | 201403 | ND11B-WTR00-01-2014-A | 5/14/2014 | FS | NA | NA | **0.41** | NA | NA | **2.4** | NA | **8.1** | NA | NA | NA | NA | NA | NA | **33** | NA |
| | 201505 | ND11B-WTR00-01-2015-A | 5/5/2015 | FS | NA | NA | 0.2 U[U] | NA | NA | **1.3 J[J]** | NA | **3.9 J[J]** | NA | NA | NA | NA | NA | NA | **19 J[J]** | NA |
| | 201607 | NAAD11B-00-01-00 | 7/27/2016 | FS | NA | NA | **0.78** | NA | NA | **3.6** | NA | **8.5 Q[J]** | NA | NA | NA | NA | NA | NA | **45 D[D]** | NA |
| | 201607 | NAAD11B-00-01-01 | 7/27/2016 | FD | NA | NA | **0.92** | NA | NA | **3.7** | NA | **8.6 Q[J]** | NA | NA | NA | NA | NA | NA | **45 D[D]** | NA |
| | 201705 | NAAD11B-00-01-00 | 5/6/2017 | FS | NA | NA | 0.22 U[U] | NA | NA | **2** | NA | **4.7** | NA | NA | NA | NA | NA | NA | **22** | NA |
| | 201805 | NAAD11B-0001-00 | 5/23/2018 | FS | NA | NA | 0.5 U[UJ] | NA | NA | **1.8 [J]** | NA | **4.24 [J]** | NA | NA | NA | NA | NA | NA | **18.7 [J]** | NA |
| | 201905 | NAAD11B-0001-00 | 5/2/2019 | FS | NA | NA | **0.429 J[J]** | NA | NA | **2.53** | NA | **6.43** | NA | NA | NA | NA | NA | NA | **30.9** | NA |
| | 201905 | NAAD11B-0001-01 | 5/2/2019 | FD | NA | NA | **0.565 J[J]** | NA | NA | **3.31** | NA | **8.01** | NA | NA | NA | NA | NA | NA | **36.5** | NA |
| 00-02 | 200011 | 00-02 | 11/3/2000 | FS | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | NA | 10 U[U] | **35** | 10 U[U] |
| | 200101 | 00-02 | 1/25/2001 | FS | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | NA | 10 U[U] | **39** | 10 U[U] |
| | 200104 | 00-02 | 4/25/2001 | FS | 5 U[U] | 1 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 10 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 10 U[U] | NA | 10 U[U] | **35** | 5 U[U] |
| | 200108 | 00-02 | 8/1/2001 | FS | 5 U[U] | 1 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 10 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 10 U[U] | NA | 10 U[U] | **39** | 5 U[U] |
| | 200511 | ND11B-WTR0002-4Q05-A | 11/1/2005 | FS | **1.3** | NA | **2.1** | NA | NA | **2.5** | NA | **22** | NA | NA | NA | NA | 1 U[U] | NA | **180** | NA |
| | 200601 | ND11B-WTR0002-1Q06-A | 1/30/2006 | FS | **0.87** | NA | **2.1** | NA | NA | **3.1** | NA | **24** | NA | NA | NA | NA | **0.46 J[J]** | NA | **160 J[J]** | NA |
| | 200703 | ND11B-WTR00-02-1Q07-A | 3/7/2007 | FS | 2 U[U] | NA | 2 U[U] | NA | NA | 2 U[U] | NA | **18** | NA | NA | NA | NA | 1 U[U] | NA | **160** | NA |
| | 200710 | ND11B-WTR0002-4Q07-A | 10/18/2007 | FS | 2 UJ[UJ] | NA | 2 UJ[UJ] | NA | NA | **2.6 J[J]** | NA | **14 J[J]** | NA | NA | NA | NA | **0.21 J[J]** | NA | **130** | NA |
| | 200804 | ND11B-WTR0002-1Q08-A | 4/9/2008 | FS | 2 U[U] | NA | 2 U[U] | NA | NA | **2** | NA | **18** | NA | NA | NA | NA | **0.15 J[J]** | NA | **130** | NA |
| | 200810 | ND11B-WTR-00-02-3Q08-A | 10/21/2008 | FS | 2 U[U] | NA | 2 U[U] | NA | NA | **2.8** | NA | **23** | NA | NA | NA | NA | NA | NA | **160** | NA |
| | 200903 | ND11B-WTR-00-02-1Q09-A | 4/8/2009 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | **120** | NA |
| | 200910 | ND11B-WTR-00-02-3Q09-A | 10/6/2009 | FS | NA | NA | NA | NA | NA | **3.9** | NA | **18** | NA | NA | NA | NA | NA | NA | **120** | NA |
| | 201004 | ND11B-WTR-00-02-1Q10-A | 4/12/2010 | FS | NA | NA | NA | NA | NA | **3.2 J[J]** | NA | **18 J[J]** | NA | NA | NA | NA | NA | NA | **150 J[J]** | NA |
| | 201004 | ND11B-WTR-00-02-1Q10-B | 4/12/2010 | FD | NA | NA | NA | NA | NA | **3.9 J[J]** | NA | **18 J[J]** | NA | NA | NA | NA | NA | NA | **140 J[J]** | NA |
| | 201004 | ND11B-WTR-00-02-3Q10-A | 10/13/2010 | FS | NA | NA | NA | NA | NA | **2.2 J[J]** | NA | **23 J[J]** | NA | NA | NA | NA | NA | NA | **120 J[J]** | NA |
| | 201004 | ND11B-WTR-00-02-3Q10-B | 10/13/2010 | FD | NA | NA | NA | NA | NA | **2.4 J[J]** | NA | **24 J[J]** | NA | NA | NA | NA | NA | NA | **120 J[J]** | NA |
| | 201208 | ND11B-WTR-00-02-2012-A | 8/7/2012 | FS | NA | NA | NA | NA | NA | **2.2 [J]** | NA | **12 [J]** | NA | NA | NA | NA | NA | NA | **92 [J]** | NA |
| | 201208 | ND11B-WTR-00-02-2012-B | 8/7/2012 | FD | NA | NA | NA | NA | NA | **2.9 [J]** | NA | **11 [J]** | NA | NA | NA | NA | NA | NA | **87 [J]** | NA |

**Table H-1**
**Cumulative Analytical Data**
**NAAD-11B**

| | | | | Analysis Group | Explosives, Total | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Analyte | 1,3,5-Trinitrobenzene | 1,3-Dinitrobenzene | 2,4,6-Trinitrotoluene | 2,4-Dinitrotoluene | 2,6-Dinitrotoluene | 2-Amino-4,6-dinitrotoluene | 2-Nitrotoluene/4-Nitrotoluene | 4-Amino-2,6-dinitrotoluene | HMX (Octogen) | m-Nitrotoluene | Nitrobenzene | o-Nitrotoluene | Perchlorate | p-Nitrotoluene | RDX | Tetryl |
| | | | | CAS No. | 99-35-4 | 99-65-0 | 118-96-7 | 121-14-2 | 606-20-2 | 35572-78-2 | 88-7-2/99-99-0 | 19406-51-0 | 2691-41-0 | 99-08-1 | 98-95-3 | 88-72-2 | 14797-73-0 | 99-99-0 | 121-82-4 | 479-45-8 |
| | | | | Units | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L |
| | | | | PAL | 590 | 2 | 2.5 | 0.24 | 0.049 | 39 | NE | 39 | 1000 | 1.7 | 0.14 | 0.31 | 11 | 4.3 | 0.7 | 39 |
| Station | Event | Sample ID | Date | Type | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 00-02 | 201305 | ND11B-WTR00-02-2013-A | 5/21/2013 | FS | NA | NA | NA | NA | NA | **4.8** | NA | **19** | NA | NA | NA | NA | NA | NA | **130** | NA |
| | 201403 | ND11B-WTR00-02-2014-A | 5/14/2014 | FS | NA | NA | NA | NA | NA | **2.1 P[J]** | NA | **11** | NA | NA | NA | NA | NA | NA | **79** | NA |
| | 201505 | ND11B-WTR00-02-2015-A | 5/6/2015 | FS | NA | NA | NA | NA | NA | **2.2** | NA | **11** | NA | NA | NA | NA | NA | NA | **79** | NA |
| | 201607 | NAAD11B-00-02-00 | 7/28/2016 | FS | NA | NA | NA | NA | NA | **2.7** | NA | **9.7** | NA | NA | NA | NA | NA | NA | **74 DM[DM]** | NA |
| | 201705 | NAAD11B-00-02-00 | 5/6/2017 | FS | NA | NA | NA | NA | NA | **1.9 JQD[J]** | NA | **7.2 QD[J]** | NA | NA | NA | NA | NA | NA | **76 DQ[J]** | NA |
| | 201805 | NAAD11B-0002-00 | 5/23/2018 | FS | NA | NA | NA | NA | NA | **2.81 [J]** | NA | **11.6 [J]** | NA | NA | NA | NA | NA | NA | **71.7** | NA |
| | 201905 | NAAD11B-0002-00 | 5/3/2019 | FS | NA | NA | NA | NA | NA | **1.61** | NA | **12.7** | NA | NA | NA | NA | NA | NA | **87.8** | NA |
| 02-01 | 200511 | ND11B-WTR02-01-4Q05-A | 11/1/2005 | FS | 0.25 U[U] | NA | 0.25 U[U] | NA | NA | 0.25 U[U] | NA | 0.25 U[U] | NA | NA | NA | NA | **3** | NA | 0.25 U[U] | NA |
| | 200601 | ND11B-WTR02-01-1Q06-A | 1/31/2006 | FS | 0.25 U[U] | NA | 0.25 U[U] | NA | NA | 0.25 U[U] | NA | 0.25 U[U] | NA | NA | NA | NA | **0.4 J[J]** | NA | 0.25 U[U] | NA |
| | 200604 | ND11B-WTR02-01-2Q06-A | 4/19/2006 | FS | 0.25 U[U] | NA | 0.25 U[U] | NA | NA | 0.25 U[U] | NA | 0.25 U[U] | NA | NA | NA | NA | 1 UJ[UJ] | NA | 0.25 U[U] | NA |
| | 200607 | ND11B-WTRMW02-01-3Q06-A | 7/11/2006 | FS | 0.2 U[U] | NA | 0.2 U[U] | NA | NA | 0.2 U[U] | NA | 0.2 U[U] | NA | NA | NA | NA | 1 U[U] | NA | 0.2 U[U] | NA |
| | 200703 | ND11B-WTR02-01-1Q07-A | 3/6/2007 | FS | 0.2 U[U] | NA | 0.2 U[U] | NA | NA | 0.2 U[U] | NA | 0.2 U[U] | NA | NA | NA | NA | 1 U[U] | NA | 0.2 U[U] | NA |
| | 200710 | ND11B-WTRMW02-01-4Q07-A | 10/18/2007 | FS | 0.2 UJ[UJ] | NA | 0.2 UJ[UJ] | NA | NA | 0.2 UJ[UJ] | NA | 0.2 UJ[UJ] | NA | NA | NA | NA | **0.36 J[J]** | NA | 0.2 U[U] | NA |
| | 200710 | ND11B-WTRMW02-01-4Q07-B | 10/18/2007 | FD | 0.2 UJ[UJ] | NA | 0.2 UJ[UJ] | NA | NA | 0.2 UJ[UJ] | NA | 0.2 UJ[UJ] | NA | NA | NA | NA | **0.36 J[J]** | NA | 0.2 U[U] | NA |
| | 200804 | ND11B-WTRMW02-01-1Q08-A | 4/8/2008 | FS | 0.2 UJ[UJ] | NA | 0.2 UJ[UJ] | NA | NA | 0.2 UJ[UJ] | NA | 0.2 UJ[UJ] | NA | NA | NA | NA | **0.47** | NA | 0.2 UJ[UJ] | NA |
| | 200804 | ND11B-WTRMW02-01-1Q08-B | 4/8/2008 | FD | 0.2 UJ[UJ] | NA | 0.2 UJ[UJ] | NA | NA | 0.2 UJ[UJ] | NA | 0.2 UJ[UJ] | NA | NA | NA | NA | **0.44** | NA | 0.2 UJ[UJ] | NA |
| | 200810 | ND11B-WTR-02-01-3Q08-A | 10/23/2008 | FS | NA | NA | NA | NA | NA | 0.2 U[U] | NA | 0.2 U[U] | NA | NA | NA | NA | NA | NA | 0.2 U[U] | NA |
| | 200903 | ND11B-WTR-02-01-1Q09-A | 4/8/2009 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.2 U[U] | NA |
| | 200910 | ND11B-WTR-02-01-3Q09-A | 10/6/2009 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.2 U[U] | NA |
| | 201004 | ND11B-WTR-02-01-1Q10-A | 4/12/2010 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.2 U[U] | NA |
| | 201004 | ND11B-WTR-02-01-3Q10-A | 10/14/2010 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.2 U[U] | NA |
| | 201208 | ND11B-WTR-02-01-2012-A | 8/7/2012 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.2 U[UJ] | NA |
| | 201305 | ND11B-WTR02-01-2013-A | 5/21/2013 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.22 U[U] | NA |
| | 201403 | ND11B-WTR02-01-2014-A | 5/14/2014 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.21 U[U] | NA |
| | 201505 | ND11B-WTR02-01-2015-A | 5/5/2015 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.21 U[U] | NA |
| | 201606 | NAAD11B-02-01-00 | 6/15/2016 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.13 U[U] | NA |
| | 201705 | NAAD11B-02-01-00 | 5/5/2017 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.14 U[U] | NA |
| | 201805 | NAAD11B-0201-00 | 5/21/2018 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.543 U[U] | NA |
| | 201905 | NAAD11B-0201-00 | 5/1/2019 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.5 U[U] | NA |
| 02-02 | 200511 | ND11B-WTRMW02-02-4Q05-A | 11/2/2005 | FS | 0.25 U[U] | NA | 0.25 U[U] | NA | NA | **0.31** | NA | **0.73** | NA | NA | NA | NA | 1 U[U] | NA | 0.25 U[U] | NA |
| | 200810 | ND11B-WTR-02-02-3Q08-A | 10/21/2008 | FS | 0.2 U[U] | NA | 0.2 U[U] | NA | NA | **0.43** | NA | **0.57** | NA | NA | NA | NA | 0.05 U[U] | NA | 0.2 U[U] | NA |
| | 200903 | ND11B-WTR-MW-02-02-1Q09-A | 4/7/2009 | FS | 0.2 U[U] | NA | **0.23** | NA | NA | **6.4** | NA | **13** | NA | NA | NA | NA | **0.56** | NA | 0.2 U[U] | NA |
| | 200910 | ND11B-WTR-02-02-3Q09-A | 10/6/2009 | FS | 0.25 U[U] | NA | 0.25 U[U] | NA | NA | **0.59 J[J]** | NA | **0.53 J[J]** | NA | NA | NA | NA | NA | NA | 0.25 U[U] | NA |
| | 201004 | ND11B-WTR-02-02-1Q10-A | 4/14/2010 | FS | 0.2 U[U] | NA | 0.2 U[U] | NA | NA | **2.3 J[J]** | NA | **2.5 NJ[NJ]** | NA | NA | NA | NA | **0.23** | NA | 0.2 U[U] | NA |
| | 201004 | ND11B-WTR-02-02-3Q10-A | 10/13/2010 | FS | 0.2 U[U] | NA | 0.2 U[U] | NA | NA | **1.5 J[J]** | NA | **2.7 J[J]** | NA | NA | NA | NA | 0.05 U[U] | NA | 0.2 U[U] | NA |
| | 201208 | ND11B-WTR-02-02-2012-A | 8/10/2012 | FS | 0.2 U[UJ] | NA | 0.2 U[UJ] | NA | NA | 0.2 U[UJ] | NA | 0.2 U[UJ] | NA | NA | NA | NA | NA | NA | 0.2 U[UJ] | NA |
| | 201305 | ND11B-WTR02-02-2013-A | 5/21/2013 | FS | 1.1 U[U] | NA | 1.1 U[U] | NA | NA | **2** | NA | **2.7 [J]** | NA | NA | NA | NA | NA | NA | 1.1 U[U] | NA |
| | 201305 | ND11B-WTR02-02-2013-B | 5/21/2013 | FD | 0.22 U[UJ] | NA | 0.22 U[UJ] | NA | NA | **2.4 [J]** | NA | **3.2 [J]** | NA | NA | NA | NA | NA | NA | 0.22 U[UJ] | NA |
| | 201403 | ND11B-WTR-02-02-2014-A | 5/12/2014 | FS | 0.2 U[U] | NA | 0.2 U[U] | NA | NA | **2.7 J[J]** | NA | **4.8** | NA | NA | NA | NA | NA | NA | 0.2 U[U] | NA |
| | 201505 | ND11B-WTR02-02-2015-A | 5/5/2015 | FS | 0.21 U[U] | NA | 0.21 U[U] | NA | NA | **2.5 J[J]** | NA | **4.7** | NA | NA | NA | NA | NA | NA | 0.21 U[U] | NA |
| | 201607 | NAAD11B-02-02-00 | 7/27/2016 | FS | NA | NA | 0.22 U[U] | NA | NA | **1.9** | NA | **4.2 QJ[J]** | NA | NA | NA | NA | NA | NA | **1.8 JQ[J]** | NA |
| | 201705 | NAAD11B-02-02-00 | 5/5/2017 | FS | NA | NA | 0.21 U[U] | NA | NA | **2** | NA | **3.3** | NA | NA | NA | NA | NA | NA | **3.8 M[]** | NA |
| | 201805 | NAAD11B-0202-00 | 5/22/2018 | FS | NA | NA | 0.532 U[U] | NA | NA | 0.532 U[U] | NA | 0.532 U[U] | NA | NA | NA | NA | NA | NA | 0.532 U[U] | NA |

# Table H-1
# Cumulative Analytical Data
# NAAD-11B

| | | | | Analysis Group | Explosives, Total | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Analyte | 1,3,5-Trinitrobenzene | 1,3-Dinitrobenzene | 2,4,6-Trinitrotoluene | 2,4-Dinitrotoluene | 2,6-Dinitrotoluene | 2-Amino-4,6-dinitrotoluene | 2-Nitrotoluene/4-Nitrotoluene | 4-Amino-2,6-dinitrotoluene | HMX (Octogen) | m-Nitrotoluene | Nitrobenzene | o-Nitrotoluene | Perchlorate | p-Nitrotoluene | RDX | Tetryl |
| | | | | CAS No. | 99-35-4 | 99-65-0 | 118-96-7 | 121-14-2 | 606-20-2 | 35572-78-2 | 88-7-2/99-99-0 | 19406-51-0 | 2691-41-0 | 99-08-1 | 98-95-3 | 88-72-2 | 14797-73-0 | 99-99-0 | 121-82-4 | 479-45-8 |
| | | | | Units | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L |
| | | | | PAL | 590 | 2 | 2.5 | 0.24 | 0.049 | 39 | NE | 39 | 1000 | 1.7 | 0.14 | 0.31 | 11 | 4.3 | 0.7 | 39 |
| Station | Event | Sample ID | Date | Type | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 02-02 | 201905 | NAAD11B-0202-00 | 5/1/2019 | FS | NA | NA | 0.52 UQ[UJ] | NA | NA | **3.47** | NA | **7.11** | NA | NA | NA | NA | NA | NA | 0.52 UQ[UJ] | NA |
| | 201905 | NAAD11B-0202-01 | 5/1/2019 | FD | NA | NA | 0.532 UQ[UJ] | NA | NA | **3.56** | NA | **7.38** | NA | NA | NA | NA | NA | NA | 0.532 UQ[UJ] | NA |
| 97-04 | 199711 | 97-04 | 11/9/1997 | FS | 0.56 U[U] | 0.74 U[U] | 0.83 U[U] | 0.89 U[U] | 1.9 U[U] | NA | NA | NA | 0.48 U[U] | 1.3 U[U] | 0.68 U[U] | 0.86 U[U] | NA | 1.5 U[U] | 0.65 U[U] | 0.58 U[U] |
| | 199810 | 97-04 | 10/15/1998 | FS | 0.5 U[U] | 0.5 U[U] | 0.5 U[U] | 0.5 U[U] | 0.5 U[U] | 0.5 U[U] | NA | 0.5 U[U] | 1 U[U] | 10 U[U] | 10 U[U] | 50 U[U] | NA | 10 U[U] | **1.1** | 4 U[U] |
| | 199901 | 97-04 | 1/21/1999 | FS | 0.5 U[U] | NA | 0.5 U[U] | 0.5 U[U] | 0.5 U[U] | 0.5 U[U] | NA | 0.5 U[U] | 1 U[U] | 10 U[U] | 10 U[U] | 50 U[U] | NA | 10 U[U] | **1.2** | 4 U[U] |
| | 199904 | 97-04 | 4/22/1999 | FS | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | NA | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | NA | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] |
| | 199907 | 97-04 | 7/14/1999 | FS | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | NA | **0.5** | 0.25 U[U] | 0.25 U[U] | **0.28** | **0.36** | NA | 0.25 U[U] | **5** | **0.4** |
| | 199910 | 97-04 | 10/15/1999 | FS | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | NA | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | NA | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] |
| | 200011 | 97-04 | 2/17/2000 | FS | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | 10 U[U] |
| | 200011 | 97-04 | 4/28/2000 | FS | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | 10 U[U] |
| | 200011 | 97-04 | 7/20/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200011 | 97-04 | 11/3/2000 | FS | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | 10 U[U] |
| | 200101 | 97-04 | 1/24/2001 | FS | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | 10 U[U] |
| | 200104 | 97-04 | 4/25/2001 | FS | 5 U[U] | 1 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 10 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 10 U[U] | NA | 10 U[U] | 5 U[U] | 5 U[U] |
| | 200108 | 97-04 | 8/1/2001 | FS | 5 U[U] | 1 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 10 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 10 U[U] | NA | 10 U[U] | 5 U[U] | 5 U[U] |
| | 200703 | ND11B-WTR97-04-1Q07-A | 3/7/2007 | FS | 0.2 U[U] | NA | 0.2 U[U] | NA | NA | 0.2 U[U] | NA | 0.2 U[U] | NA | NA | NA | NA | 1 U[U] | NA | **1.3** | NA |
| | 200804 | ND11B-WTR97-04-1Q08-A | 4/8/2008 | FS | 0.2 UJ[UJ] | NA | 0.2 UJ[UJ] | NA | NA | 0.2 UJ[UJ] | NA | 0.2 UJ[UJ] | NA | NA | NA | NA | **0.45** | NA | **1.2 J[J]** | NA |
| | 200810 | ND11B-WTR-97-04-3Q08-A | 10/23/2008 | FS | 0.2 U[U] | NA | 0.2 U[U] | NA | NA | **0.33 NJ[NJ]** | NA | 0.2 U[U] | NA | NA | NA | NA | **0.52** | NA | 0.2 U[U] | NA |
| | 200903 | ND11B-WTR-97-04-1Q09-A | 4/7/2009 | FS | 0.2 U[U] | NA | 0.2 U[U] | NA | NA | **0.34** | NA | 0.2 U[U] | NA | NA | NA | NA | **0.56** | NA | **3.8** | NA |
| | 200903 | ND11B-WTR-97-04-1Q09-B | 4/7/2009 | FD | 0.2 U[U] | NA | 0.2 U[U] | NA | NA | **0.35 NJ[NJ]** | NA | 0.2 U[U] | NA | NA | NA | NA | **0.55** | NA | **3.9** | NA |
| | 200910 | ND11B-WTR-97-04-3Q09-A | 10/6/2009 | FS | 0.2 U[U] | NA | 0.2 U[U] | NA | NA | 0.2 U[U] | NA | 0.2 U[U] | NA | NA | NA | NA | **0.44 J[J]** | NA | **0.57** | NA |
| | 201004 | ND11B-WTR-97-04-1Q10-A | 4/12/2010 | FS | 0.21 U[U] | NA | 0.21 U[U] | NA | NA | **0.24 J[J]** | NA | 0.21 U[U] | NA | NA | NA | NA | NA | NA | **2 J[J]** | NA |
| | 201004 | ND11B-WTR-97-04-1Q10-B | 4/12/2010 | FD | 0.22 U[U] | NA | 0.22 U[U] | NA | NA | **0.26 J[J]** | NA | 0.22 U[U] | NA | NA | NA | NA | NA | NA | **2 J[J]** | NA |
| | 201004 | ND11B-WTR-97-04-3Q10-A | 10/12/2010 | FS | 0.2 U[U] | NA | 0.2 U[U] | NA | NA | **0.25 J[J]** | NA | 0.2 U[U] | NA | NA | NA | NA | NA | NA | 0.7 UJ[UJ] | NA |
| | 201004 | ND11B-WTR-97-04-3Q10-B | 10/12/2010 | FD | 0.2 U[U] | NA | 0.2 U[U] | NA | NA | **0.29 J[J]** | NA | 0.2 U[U] | NA | NA | NA | NA | NA | NA | 0.69 UJ[UJ] | NA |
| | 201208 | ND11B-WTR-97-04-2012-A | 8/9/2012 | FS | NA | NA | NA | NA | NA | 0.2 U[U] | NA | NA | NA | NA | NA | NA | NA | NA | **0.55** | NA |
| | 201208 | ND11B-WTR-97-04-2012-B | 8/9/2012 | FD | NA | NA | NA | NA | NA | 0.2 U[UJ] | NA | NA | NA | NA | NA | NA | NA | NA | **0.54 [J]** | NA |
| | 201305 | ND11B-WTR97-04-2013-A | 5/21/2013 | FS | NA | NA | NA | NA | NA | 0.21 U[UJ] | NA | NA | NA | NA | NA | NA | NA | NA | **1.2 [J]** | NA |
| | 201403 | ND11B-WTR97-04-2014-A | 5/13/2014 | FS | NA | NA | NA | NA | NA | 0.23 U[UJ] | NA | NA | NA | NA | NA | NA | NA | NA | **0.96 P[J]** | NA |
| | 201403 | ND11B-WTR97-04-2014-B | 5/13/2014 | FD | NA | NA | NA | NA | NA | 0.21 U[UJ] | NA | NA | NA | NA | NA | NA | NA | NA | **1.1 P[J]** | NA |
| | 201505 | ND11B-WTR97-04-2015-A | 5/5/2015 | FS | NA | NA | NA | NA | NA | 0.2 U[U] | NA | NA | NA | NA | NA | NA | NA | NA | **1.3** | NA |
| | 201606 | NAAD11B-97-04-00 | 6/16/2016 | FS | NA | NA | NA | NA | NA | 0.14 U[U] | NA | NA | NA | NA | NA | NA | NA | NA | **0.57 J[J]** | NA |
| | 201705 | NAAD11B-97-04-00 | 5/5/2017 | FS | NA | NA | NA | NA | NA | 0.13 U[U] | NA | NA | NA | NA | NA | NA | NA | NA | **0.73 J[J]** | NA |
| | 201805 | NAAD11B-9704-00 | 5/22/2018 | FS | NA | NA | NA | NA | NA | 0.51 U[U] | NA | NA | NA | NA | NA | NA | NA | NA | **0.345 J[J]** | NA |
| | 201905 | NAAD11B-9704-00 | 5/1/2019 | FS | NA | NA | NA | NA | NA | 0.526 U[U] | NA | NA | NA | NA | NA | NA | NA | NA | **0.996 J[J]** | NA |
| 97-05 | 199711 | 97-05 | 11/9/1997 | FS | 0.56 U[U] | 0.74 U[U] | 0.83 U[U] | 0.89 U[U] | 1.9 U[U] | NA | NA | NA | **6.2** | 1.3 U[U] | 0.68 U[U] | 0.86 U[U] | NA | 1.5 U[U] | **89** | 0.58 U[U] |
| | 199810 | 97-05 | 10/15/1998 | FS | 0.5 U[U] | 0.5 U[U] | **26** | 0.5 U[U] | 0.5 U[U] | **2** | NA | **26** | **9.6** | 10 U[U] | 10 U[U] | 50 U[U] | NA | 10 U[U] | **150** | 4 U[U] |
| | 199901 | 97-05 | 1/21/1999 | FS | 0.5 U[U] | NA | **24** | 0.5 U[U] | 0.5 U[U] | **1.7** | NA | **24** | **10** | 10 U[U] | 10 U[U] | 50 U[U] | NA | 10 U[U] | **140** | 4 U[U] |
| | 199904 | 97-05 | 4/22/1999 | FS | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | **0.36** | NA | **1.7** | **35** | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | NA | **0.44** | **33** | 0.25 U[U] |
| | 199907 | 97-05 | 7/14/1999 | FS | **1.6** | 0.25 U[U] | **0.46** | **1.2** | 0.25 U[U] | **3.7** | NA | **19** | 0.25 U[U] | **1.5** | **0.44** | 0.25 U[U] | NA | 0.25 U[U] | **150** | 0.25 U[U] |
| | 199910 | 97-05 | 10/15/1999 | FS | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | NA | **31** | **13** | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | NA | 0.25 U[U] | **180** | 0.25 U[U] |
| | 200011 | 97-05 | 2/17/2000 | FS | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | NA | 10 U[U] | **120** | 10 U[U] |
| | 200011 | 97-05 | 4/28/2000 | FS | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | 10 U[U] |

# Table H-1
# Cumulative Analytical Data
# NAAD-11B

| | | | | Analysis Group | Explosives, Total | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Analyte | 1,3,5-Trinitrobenzene | 1,3-Dinitrobenzene | 2,4,6-Trinitrotoluene | 2,4-Dinitrotoluene | 2,6-Dinitrotoluene | 2-Amino-4,6-dinitrotoluene | 2-Nitrotoluene/4-Nitrotoluene | 4-Amino-2,6-dinitrotoluene | HMX (Octogen) | m-Nitrotoluene | Nitrobenzene | o-Nitrotoluene | Perchlorate | p-Nitrotoluene | RDX | Tetryl |
| | | | | CAS No. | 99-35-4 | 99-65-0 | 118-96-7 | 121-14-2 | 606-20-2 | 35572-78-2 | 88-7-2/99-99-0 | 19406-51-0 | 2691-41-0 | 99-08-1 | 98-95-3 | 88-72-2 | 14797-73-0 | 99-99-0 | 121-82-4 | 479-45-8 |
| | | | | Units | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L |
| | | | | PAL | 590 | 2 | 2.5 | 0.24 | 0.049 | 39 | NE | 39 | 1000 | 1.7 | 0.14 | 0.31 | 11 | 4.3 | 0.7 | 39 |
| Station | Event | Sample ID | Date | Type | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 97-05 | 200011 | 97-05 | 7/20/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200011 | 97-05 | 11/3/2000 | FS | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | NA | 10 U[U] | **50** | 10 U[U] |
| | 200101 | 97-05 | 1/25/2001 | FS | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | NA | 10 U[U] | **57** | 10 U[U] |
| | 200104 | 97-05 | 4/25/2001 | FS | 5 U[U] | 1 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 10 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 10 U[U] | NA | 10 U[U] | **60** | 5 U[U] |
| | 200108 | 97-05 | 8/1/2001 | FS | 5 U[U] | 1 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 10 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 10 U[U] | NA | 10 U[U] | **41** | 5 U[U] |
| | 200511 | ND11B-WTR97-05-4Q05-A | 11/2/2005 | FS | **1.1** | NA | **1.8** | NA | NA | **4** | NA | **25** | NA | NA | NA | NA | 1 U[U] | NA | **170** | NA |
| | 200601 | ND11B-WTR97-05-1Q06-A | 1/30/2006 | FS | **0.98** | NA | **2** | NA | NA | **3** | NA | **20** | NA | NA | NA | NA | **0.44 J[J]** | NA | **130 J[J]** | NA |
| | 200604 | ND11B-WTR97-05-2Q06-A | 4/18/2006 | FS | **0.82 J[J]** | NA | **1.9 J[J]** | NA | NA | **0.95 J[J]** | NA | **13 J[J]** | NA | NA | NA | NA | 1 UJ[UJ] | NA | **97 J[J]** | NA |
| | 200703 | ND11B-WTR97-05-1Q07-A | 3/6/2007 | FS | 1 U[U] | NA | 1 U[U] | NA | NA | 1 U[U] | NA | **10** | NA | NA | NA | NA | 1 U[U] | NA | **110** | NA |
| | 200710 | ND11B-WTR97-05-4Q07-A | 10/19/2007 | FS | 1 U[U] | NA | 1 U[U] | NA | NA | 1 U[U] | NA | **8.3** | NA | NA | NA | NA | **0.22** | NA | **97** | NA |
| | 200804 | ND11B-WTR97-05-1Q08-A | 4/9/2008 | FS | 2 U[U] | NA | 2 U[U] | NA | NA | **2.9** | NA | **19** | NA | NA | NA | NA | **0.18 J[J]** | NA | **160** | NA |
| | 200810 | ND11B-WTR-97-05-3Q08-A | 10/22/2008 | FS | NA | NA | NA | NA | NA | **4.1** | NA | **31** | NA | NA | NA | NA | NA | NA | **210** | NA |
| | 200903 | ND11B-WTR-97-05-1Q09-A | 4/8/2009 | FS | NA | NA | NA | NA | NA | 1 U[U] | NA | **2.8** | NA | NA | NA | NA | NA | NA | **66** | NA |
| | 200910 | ND11B-WTR-97-05-3Q09-A | 10/6/2009 | FS | NA | NA | NA | NA | NA | **5.1** | NA | **22** | NA | NA | NA | NA | NA | NA | **150** | NA |
| | 201004 | ND11B-WTR-97-05-1Q10-A | 4/12/2010 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | **160 J[J]** | NA |
| | 201004 | ND11B-WTR-97-05-3Q10-A | 10/14/2010 | FS | NA | NA | NA | NA | NA | 2.1 UJ[UJ] | NA | 2.1 U[U] | NA | NA | NA | NA | NA | NA | **150 J[J]** | NA |
| | 201208 | ND11B-WTR-97-05-2012-A | 8/10/2012 | FS | NA | NA | NA | NA | NA | **3.6 [J]** | NA | **17 [J]** | NA | NA | NA | NA | NA | NA | **140 [J]** | NA |
| | 201305 | ND11B-WTR97-05-2013-A | 5/21/2013 | FS | NA | NA | NA | NA | NA | **7.8 [J]** | NA | **13** | NA | NA | NA | NA | NA | NA | **120 [J]** | NA |
| | 201305 | ND11B-WTR97-05-2013-B | 5/21/2013 | FD | NA | NA | NA | NA | NA | **4.4 [J]** | NA | **12** | NA | NA | NA | NA | NA | NA | **110 [J]** | NA |
| | 201403 | ND11B-WTR97-05-2014-A | 5/13/2014 | FS | NA | NA | NA | NA | NA | **1.9 P[J]** | NA | **16 [J]** | NA | NA | NA | NA | NA | NA | **140** | NA |
| | 201505 | ND11B-WTR97-05-2015-A | 5/6/2015 | FS | NA | NA | NA | NA | NA | **2.2** | NA | **11 J[J]** | NA | NA | NA | NA | NA | NA | **110** | NA |
| | 201505 | ND11B-WTR97-05-2015-B | 5/6/2015 | FD | NA | NA | NA | NA | NA | **2.2 J[J]** | NA | **11** | NA | NA | NA | NA | NA | NA | **110** | NA |
| | 201607 | NAAD11B-97-05-00 | 7/28/2016 | FS | NA | NA | NA | NA | NA | **3.4 M[M]** | NA | **9.9 MJ[J]** | NA | NA | NA | NA | NA | NA | **110 DM[DM]** | NA |
| | 201705 | NAAD11B-97-05-00 | 5/6/2017 | FS | NA | NA | NA | NA | NA | **2.1 JDQ[J]** | NA | **7.8 QD[J]** | NA | NA | NA | NA | NA | NA | **96 DQ[J]** | NA |
| | 201805 | NAAD11B-9705-00 | 5/23/2018 | FS | NA | NA | NA | NA | NA | **3.24** | NA | **12.9** | NA | NA | NA | NA | NA | NA | **94.3** | NA |
| | 201905 | NAAD11B-9705-00 | 5/3/2019 | FS | NA | NA | NA | NA | NA | **2.18** | NA | **14.3** | NA | NA | NA | NA | NA | NA | **106** | NA |
| 97-06 | 199711 | 97-06 | 11/9/1997 | FS | 0.56 U[U] | 0.74 U[U] | 0.83 U[U] | 0.89 U[U] | 1.9 U[U] | NA | NA | NA | 0.48 U[U] | 1.3 U[U] | 0.68 U[U] | 0.86 U[U] | NA | 1.5 U[U] | 0.65 U[U] | 0.58 U[U] |
| | 199810 | 97-06 | 10/15/1998 | FS | 0.5 U[U] | NA | 0.5 U[U] | 0.5 U[U] | 0.5 U[U] | 0.5 U[U] | NA | 0.5 U[U] | 1 U[U] | 10 U[U] | 10 U[U] | 50 U[U] | NA | 10 U[U] | 1 U[U] | 4 U[U] |
| | 199901 | 97-06 | 1/20/1999 | FS | 0.5 U[U] | NA | 0.5 U[U] | 0.5 U[U] | 0.5 U[U] | 0.5 U[U] | NA | 0.5 U[U] | 1 U[U] | 10 U[U] | 10 U[U] | 50 U[U] | NA | 10 U[U] | 1 U[U] | 4 U[U] |
| | 199904 | 97-06 | 4/22/1999 | FS | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | NA | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | NA | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] |
| | 199907 | 97-06 | 7/13/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199907 | 97-06 | 8/12/1999 | FS | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | NA | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | NA | 0.25 U[U] | **1** | 0.25 U[U] |
| | 199910 | 97-06 | 10/15/1999 | FS | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | NA | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | NA | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] |
| | 200011 | 97-06 | 2/17/2000 | FS | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | 10 U[U] |
| | 200011 | 97-06 | 4/28/2000 | FS | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | 10 U[U] |
| | 200011 | 97-06 | 7/20/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200011 | 97-06 | 11/3/2000 | FS | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | 10 U[U] |
| | 200101 | 97-06 | 1/24/2001 | FS | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | 10 U[U] |
| | 200104 | 97-06 | 4/25/2001 | FS | 5 U[U] | 1 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 10 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 10 U[U] | NA | 10 U[U] | 5 U[U] | 5 U[U] |
| | 200108 | 97-06 | 8/1/2001 | FS | 5 U[U] | 1 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 10 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 10 U[U] | NA | 10 U[U] | 5 U[U] | 5 U[U] |
| | 200203 | 97-06 | 3/12/2002 | FS | 5 U[U] | NA | 5 U[U] | NA | NA | 5 U[U] | NA | 5 U[U] | NA | NA | NA | NA | NA | NA | 5 U[U] | NA |
| | 200511 | ND11B-WTR97-06-4Q05-A | 11/2/2005 | FS | 0.25 U[U] | NA | 0.25 U[U] | NA | NA | 0.25 U[U] | NA | 0.25 U[U] | NA | NA | NA | NA | **0.56 J[J]** | NA | **1** | NA |
| | 200601 | ND11B-WTR97-06-1Q06-A | 1/30/2006 | FS | 0.25 U[U] | NA | 0.25 U[U] | NA | NA | 0.25 U[U] | NA | 0.25 U[U] | NA | NA | NA | NA | 1 U[U] | NA | **0.91 J[J]** | NA |

**Table H-1**
**Cumulative Analytical Data**
**NAAD-11B**

| | | | | Analysis Group | Explosives, Total | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Analyte | 1,3,5-Trinitrobenzene | 1,3-Dinitrobenzene | 2,4,6-Trinitrotoluene | 2,4-Dinitrotoluene | 2,6-Dinitrotoluene | 2-Amino-4,6-dinitrotoluene | 2-Nitrotoluene/4-Nitrotoluene | 4-Amino-2,6-dinitrotoluene | HMX (Octogen) | m-Nitrotoluene | Nitrobenzene | o-Nitrotoluene | Perchlorate | p-Nitrotoluene | RDX | Tetryl |
| | | | | CAS No. | 99-35-4 | 99-65-0 | 118-96-7 | 121-14-2 | 606-20-2 | 35572-78-2 | 88-7-2/99-99-0 | 19406-51-0 | 2691-41-0 | 99-08-1 | 98-95-3 | 88-72-2 | 14797-73-0 | 99-99-0 | 121-82-4 | 479-45-8 |
| | | | | Units | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L |
| | | | | PAL | 590 | 2 | 2.5 | 0.24 | 0.049 | 39 | NE | 39 | 1000 | 1.7 | 0.14 | 0.31 | 11 | 4.3 | 0.7 | 39 |
| Station | Event | Sample ID | Date | Type | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 97-06 | 200604 | ND11B-WTR97-06-2Q06-A | 4/19/2006 | FS | 0.25 U[U] | NA | 0.25 U[U] | NA | NA | 0.25 U[U] | NA | 0.25 U[U] | NA | NA | NA | NA | 1 UJ[UJ] | NA | **1** | NA |
| | 200607 | ND11B-WTR97-06-3Q06-A | 7/11/2006 | FS | 0.2 U[U] | NA | 0.2 U[U] | NA | NA | 0.2 U[U] | NA | 0.2 U[U] | NA | NA | NA | NA | 1 U[U] | NA | **0.76** | NA |
| | 200703 | ND11B-WTR97-06-1Q07-A | 3/7/2007 | FS | 0.2 U[U] | NA | 0.2 U[U] | NA | NA | 0.2 U[U] | NA | 0.2 U[U] | NA | NA | NA | NA | 1 U[U] | NA | **1.3** | NA |
| | 200703 | ND11B-WTR97-06-1Q07-B | 3/7/2007 | FD | 0.2 U[U] | NA | 0.2 U[U] | NA | NA | 0.2 U[U] | NA | 0.2 U[U] | NA | NA | NA | NA | **1.3** | NA | **1.1** | NA |
| | 200710 | ND11B-WTR97-06-4Q07-A | 10/18/2007 | FS | 0.2 U[U] | NA | 0.2 U[U] | NA | NA | 0.2 U[U] | NA | 0.2 U[U] | NA | NA | NA | NA | **0.27** | NA | **1** | NA |
| | 200804 | ND11B-WTR97-06-1Q08-A | 4/8/2008 | FS | 0.2 UJ[UJ] | NA | 0.2 UJ[UJ] | NA | NA | 0.2 UJ[UJ] | NA | 0.2 UJ[UJ] | NA | NA | NA | NA | **0.32** | NA | **0.97 J[J]** | NA |
| | 200810 | ND11B-WTR-97-06-3Q08-A | 10/22/2008 | FS | NA | NA | NA | NA | NA | 0.2 U[U] | NA | 0.2 U[U] | NA | NA | NA | NA | NA | NA | **0.94** | NA |
| | 200810 | ND11B-WTR-97-06-3Q08-B | 10/22/2008 | FD | NA | NA | NA | NA | NA | 0.2 U[U] | NA | 0.2 U[U] | NA | NA | NA | NA | NA | NA | **0.92** | NA |
| | 200903 | ND11B-WTR-97-06-1Q09-A | 4/7/2009 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | **1.1** | NA |
| | 200910 | ND11B-WTR-97-06-3Q09-A | 10/6/2009 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | **1.1** | NA |
| | 201004 | ND11B-WTR-97-06-1Q10-A | 4/12/2010 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | **0.83 J[J]** | NA |
| | 201004 | ND11B-WTR-97-06-3Q10-A | 10/12/2010 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.61 UJ[UJ] | NA |
| | 201208 | ND11B-WTR-97-06-2012-A | 8/9/2012 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | **0.85** | NA |
| | 201305 | ND11B-WTR97-06-2013-A | 5/21/2013 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | **1 [J]** | NA |
| | 201403 | ND11B-WTR97-06-2014-A | 5/13/2014 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | **0.85** | NA |
| | 201403 | ND11B-WTR97-06-2014-B | 5/13/2014 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | **0.86** | NA |
| | 201505 | ND11B-WTR97-06-2015-A | 5/5/2015 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | **0.92 J[J]** | NA |
| | 201606 | NAAD11B-97-06-00 | 6/16/2016 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | **1** | NA |
| | 201705 | NAAD11B-97-06-00 | 5/5/2017 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | **0.87** | NA |
| | 201805 | NAAD11B-9706-00 | 5/22/2018 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | **1.1** | NA |
| | 201905 | NAAD11B-9706-00 | 5/2/2019 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | **1.02** | NA |
| 97-07 | 201905 | NAAD11B-9707-00 | 5/2/2019 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | **27** | NA |
| 97-08 | 199711 | 97-08 | 11/10/1997 | FS | 0.56 U[U] | 0.74 U[U] | 0.83 U[U] | 0.89 U[U] | 1.9 U[U] | NA | NA | NA | 0.48 U[U] | 1.3 U[U] | 0.68 U[U] | 0.86 U[U] | NA | 1.5 U[U] | **46** | 0.58 U[U] |
| | 199810 | 97-08 | 10/15/1998 | FS | 0.5 U[U] | 0.5 U[U] | **1.7** | 0.5 U[U] | 0.5 U[U] | 0.5 U[U] | NA | **1.7** | **2.2** | 10 U[U] | 10 U[U] | 50 U[U] | NA | 10 U[U] | **47** | 4 U[U] |
| | 199901 | 97-08 | 1/21/1999 | FS | 0.5 U[U] | NA | 0.5 U[U] | 0.5 U[U] | 0.5 U[U] | **1.1** | NA | **1.1** | **1.1** | 10 U[U] | 10 U[U] | 50 U[U] | NA | 10 U[U] | **34** | 4 U[U] |
| | 199904 | 97-08 | 4/22/1999 | FS | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | NA | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | NA | 0.25 U[U] | **6.7** | 0.25 U[U] |
| | 199907 | 97-08 | 7/14/1999 | FS | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | **0.65** | NA | **1.6** | 0.25 U[U] | **0.38** | **0.3** | 0.25 U[U] | NA | 0.25 U[U] | **46** | 0.25 U[U] |
| | 199910 | 97-08 | 10/15/1999 | FS | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | NA | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | NA | 0.25 U[U] | **78** | 0.25 U[U] |
| | 200011 | 97-08 | 2/17/2000 | FS | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | NA | 10 U[U] | **36** | 10 U[U] |
| | 200011 | 97-08 | 4/28/2000 | FS | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | 10 U[U] |
| | 200011 | 97-08 | 7/20/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200011 | 97-08 | 11/3/2000 | FS | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | NA | 10 U[U] | **29** | 10 U[U] |
| | 200101 | 97-08 | 1/25/2001 | FS | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | NA | 10 U[U] | **43** | 10 U[U] |
| | 200104 | 97-08 | 4/5/2001 | FS | 5 U[U] | 1 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | NA | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 10 U[U] | NA | 10 U[U] | **41** | 5 U[U] |
| | 200104 | 97-08 | 4/25/2001 | FS | 5 U[U] | 1 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 10 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | NA | NA | NA | **41** | 5 U[U] |
| | 200108 | 97-08 | 8/1/2001 | FS | 5 U[U] | 1 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 10 U[U] | 5 U[U] | **11** | 5 U[U] | 5 U[U] | 10 U[U] | NA | 10 U[U] | **32** | 5 U[U] |
| | 200203 | 97-08 | 3/12/2002 | FS | 5 U[U] | NA | 5 U[U] | NA | NA | 5 U[U] | NA | 5 U[U] | NA | NA | NA | NA | NA | NA | 5 U[U] | NA |
| | 200511 | ND11B-WTR97-08-4Q05-A | 11/1/2005 | FS | 0.25 U[U] | NA | **0.84** | NA | NA | 0.25 U[U] | NA | **6.2** | NA | NA | NA | NA | 1 U[U] | NA | **150** | NA |
| | 200511 | ND11B-WTR97-08-4Q05-B | 11/1/2005 | FD | **0.63** | NA | **0.75** | NA | NA | 0.25 U[U] | NA | **5.5** | NA | NA | NA | NA | 1 U[U] | NA | **130** | NA |
| | 200601 | ND11B-WTR97-08-1Q06-A | 1/31/2006 | FS | 0.25 U[U] | NA | **0.65** | NA | NA | 0.25 U[U] | NA | **2** | NA | NA | NA | NA | 1 U[U] | NA | **54 J[J]** | NA |
| | 200601 | ND11B-WTR97-08-1Q06-B | 1/31/2006 | FD | 0.25 U[U] | NA | **0.74** | NA | NA | 0.25 U[U] | NA | **2.2** | NA | NA | NA | NA | 1 U[U] | NA | **55 J[J]** | NA |
| | 200604 | ND11B-WTR97-08-2Q06-A | 4/18/2006 | FS | **0.25 R[R]** | NA | 0.25 U[U] | NA | NA | 0.25 U[U] | NA | **1.5** | NA | NA | NA | NA | 1 UJ[UJ] | NA | **35** | NA |
| | 200604 | ND11B-WTR97-08-2Q06-B | 4/18/2006 | FD | 0.25 U[U] | NA | 0.25 U[U] | NA | NA | 0.25 U[U] | NA | **1.5** | NA | NA | NA | NA | 1 UJ[UJ] | NA | **37** | NA |

**Table H-1**
**Cumulative Analytical Data**
**NAAD-11B**

| | | | | Analysis Group | Explosives, Total | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Analyte | 1,3,5-Trinitrobenzene | 1,3-Dinitrobenzene | 2,4,6-Trinitrotoluene | 2,4-Dinitrotoluene | 2,6-Dinitrotoluene | 2-Amino-4,6-dinitrotoluene | 2-Nitrotoluene/4-Nitrotoluene | 4-Amino-2,6-dinitrotoluene | HMX (Octogen) | m-Nitrotoluene | Nitrobenzene | o-Nitrotoluene | Perchlorate | p-Nitrotoluene | RDX | Tetryl |
| | | | | CAS No. | 99-35-4 | 99-65-0 | 118-96-7 | 121-14-2 | 606-20-2 | 35572-78-2 | 88-7-2/99-99-0 | 19406-51-0 | 2691-41-0 | 99-08-1 | 98-95-3 | 88-72-2 | 14797-73-0 | 99-99-0 | 121-82-4 | 479-45-8 |
| | | | | Units | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L |
| | | | | PAL | 590 | 2 | 2.5 | 0.24 | 0.049 | 39 | NE | 39 | 1000 | 1.7 | 0.14 | 0.31 | 11 | 4.3 | 0.7 | 39 |
| Station | Event | Sample ID | Date | Type | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 97-08 | 200607 | ND11B-WTR97-08-3Q06-A | 7/11/2006 | FS | 0.4 U[U] | NA | 0.4 U[U] | NA | NA | 0.4 U[U] | NA | **1.3** | NA | NA | NA | NA | 1 U[U] | NA | **42** | NA |
| | 200703 | ND11B-WTR97-08-1Q07-A | 3/6/2007 | FS | 0.4 U[U] | NA | 0.4 U[U] | NA | NA | 0.4 U[U] | NA | 0.4 U[U] | NA | NA | NA | NA | 1 U[U] | NA | **38** | NA |
| | 200710 | ND11B-WTR97-08-4Q07-A | 10/18/2007 | FS | 1 UJ[UJ] | NA | 1 UJ[UJ] | NA | NA | 1 UJ[UJ] | NA | **2.1 J[J]** | NA | NA | NA | NA | **0.13 J[J]** | NA | **63** | NA |
| | 200710 | ND11B-WTR97-08-4Q07-B | 10/18/2007 | FD | 1 UJ[UJ] | NA | 1 UJ[UJ] | NA | NA | 1 UJ[UJ] | NA | **1.9 J[J]** | NA | NA | NA | NA | **0.13 J[J]** | NA | **63** | NA |
| | 200804 | ND11B-WTR97-08-1Q08-A | 4/10/2008 | FS | 2 U[U] | NA | 2 U[U] | NA | NA | 2 U[U] | NA | **4.3** | NA | NA | NA | NA | **0.18 J[J]** | NA | **140** | NA |
| | 200804 | ND11B-WTR97-08-1Q08-B | 4/10/2008 | FD | 2 U[U] | NA | 2 U[U] | NA | NA | 2 U[U] | NA | **4.6** | NA | NA | NA | NA | **0.2 J[J]** | NA | **140** | NA |
| | 200810 | ND11B-WTR-97-08-3Q08-A | 10/22/2008 | FS | NA | NA | NA | NA | NA | 2 U[U] | NA | **4.2** | NA | NA | NA | NA | NA | NA | **110** | NA |
| | 200903 | ND11B-WTR-97-08-1Q09-A | 4/8/2009 | FS | NA | NA | NA | NA | NA | NA | NA | **17** | NA | NA | NA | NA | NA | NA | **130** | NA |
| | 200910 | ND11B-WTR-97-08-3Q09-A | 10/5/2009 | FS | NA | NA | NA | NA | NA | NA | NA | **1.9** | NA | NA | NA | NA | NA | NA | **59** | NA |
| | 201004 | ND11B-WTR-97-08-1Q10-A | 4/12/2010 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | **65 J[J]** | NA |
| | 201004 | ND11B-WTR-97-08-3Q10-A | 10/13/2010 | FS | NA | NA | NA | NA | 1 U[U] | NA | NA | **3.4** | NA | NA | NA | NA | NA | NA | **68** | NA |
| | 201208 | ND11B-WTR-97-08-2012-A | 8/7/2012 | FS | NA | NA | NA | NA | 0.2 U[U] | NA | NA | **0.71** | NA | NA | NA | NA | NA | NA | **20** | NA |
| | 201305 | ND11B-WTR97-08-2013-A | 5/21/2013 | FS | NA | NA | NA | NA | NA | NA | NA | **1.8 [J]** | NA | NA | NA | NA | NA | NA | **56** | NA |
| | 201403 | ND11B-WTR97-08-2014-A | 5/14/2014 | FS | NA | NA | NA | NA | NA | NA | NA | **0.66** | NA | NA | NA | NA | NA | NA | **18** | NA |
| | 201505 | ND11B-WTR97-08-2015-A | 5/5/2015 | FS | NA | NA | NA | NA | NA | NA | NA | **0.32** | NA | NA | NA | NA | NA | NA | **9.8** | NA |
| | 201505 | ND11B-WTR97-08-2015-B | 5/5/2015 | FD | NA | NA | NA | NA | NA | NA | NA | **0.28 J[J]** | NA | NA | NA | NA | NA | NA | **9.9** | NA |
| | 201607 | NAAD11B-97-08-00 | 7/27/2016 | FS | NA | NA | NA | NA | NA | NA | NA | **0.18 JQ[J]** | NA | NA | NA | NA | NA | NA | **8.5 J[J]** | NA |
| | 201705 | NAAD11B-97-08-00 | 5/5/2017 | FS | NA | NA | NA | NA | NA | NA | NA | **0.8 JQD[J]** | NA | NA | NA | NA | NA | NA | **47 DQ[J]** | NA |
| | 201805 | NAAD11B-9708-00 | 5/23/2018 | FS | NA | NA | NA | NA | NA | NA | NA | **0.387 J[J]** | NA | NA | NA | NA | NA | NA | **16.5** | NA |
| | 201805 | NAAD11B-9708-01 | 5/23/2018 | FD | NA | NA | NA | NA | NA | NA | NA | **0.445 J[J]** | NA | NA | NA | NA | NA | NA | **17** | NA |
| | 201905 | NAAD11B-9708-00 | 5/2/2019 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | **176** | NA |
| 97-09 | 199711 | 97-09 | 11/9/1997 | FS | 0.56 U[U] | 0.74 U[U] | 0.83 U[U] | 0.89 U[U] | 1.9 U[U] | NA | NA | NA | 0.48 U[U] | 1.3 U[U] | 0.68 U[U] | 0.86 U[U] | NA | 1.5 U[U] | 0.65 U[U] | 0.58 U[U] |
| | 199810 | 97-09 | 10/14/1998 | FS | 0.5 U[U] | 0.5 U[U] | 0.5 U[U] | 0.5 U[U] | 0.5 U[U] | 0.5 U[U] | NA | 0.5 U[U] | 1 U[U] | 10 U[U] | 10 U[U] | 50 U[U] | NA | 10 U[U] | 1 U[U] | 4 U[U] |
| | 199901 | 97-09 | 1/20/1999 | FS | 0.5 U[U] | NA | 0.5 U[U] | 0.5 U[U] | 0.5 U[U] | 0.5 U[U] | NA | 0.5 U[U] | 1 U[U] | 10 U[U] | 10 U[U] | 50 U[U] | NA | 10 U[U] | 1 U[U] | 4 U[U] |
| | 199904 | 97-09 | 4/21/1999 | FS | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | NA | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | NA | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] |
| | 199907 | 97-09 | 7/13/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199907 | 97-09 | 8/12/1999 | FS | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | NA | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | NA | 0.25 U[U] | **1.3** | 0.25 U[U] |
| | 199910 | 97-09 | 10/15/1999 | FS | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | NA | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | NA | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] |
| | 200011 | 97-09 | 2/17/2000 | FS | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | 10 U[U] |
| | 200011 | 97-09 | 4/27/2000 | FS | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | 10 U[U] |
| | 200011 | 97-09 | 7/19/2000 | FS | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | 10 U[U] |
| | 200011 | 97-09 | 11/2/2000 | FS | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | 10 U[U] |
| | 200101 | 97-09 | 1/24/2001 | FS | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | 10 U[U] |
| | 200104 | 97-09 | 4/25/2001 | FS | 5 U[U] | 1 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 10 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 10 U[U] | NA | 10 U[U] | 5 U[U] | 5 U[U] |
| | 200107 | 97-09 | 7/31/2001 | FS | 5 U[U] | 1 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 10 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 10 U[U] | NA | 10 U[U] | 5 U[U] | 5 U[U] |
| | 200203 | 97-09 | 3/12/2002 | FS | 5 U[U] | NA | 5 U[U] | NA | NA | 5 U[U] | NA | 5 U[U] | NA | NA | NA | NA | NA | NA | 5 U[U] | NA |
| | 200304 | 97-09 | 4/18/2003 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200511 | ND11B-WTR97-09-4Q05-A | 11/2/2005 | FS | 0.25 U[U] | NA | 0.25 U[U] | NA | NA | 0.25 U[U] | NA | 0.25 U[U] | NA | NA | NA | NA | 1 U[U] | NA | 0.25 U[U] | NA |
| | 200601 | ND11B-WTR97-09-1Q06-A | 1/31/2006 | FS | 0.25 U[U] | NA | 0.25 U[U] | NA | NA | 0.25 U[U] | NA | 0.25 U[U] | NA | NA | NA | NA | 1 U[U] | NA | 0.25 U[U] | NA |
| | 200604 | ND11B-WTR97-09-2Q06-A | 4/18/2006 | FS | 0.25 U[U] | NA | 0.25 U[U] | NA | NA | 0.25 U[U] | NA | 0.25 U[U] | NA | NA | NA | NA | **0.97 J[J]** | NA | 0.25 U[U] | NA |
| | 200607 | ND11B-WTR97-09-3Q06-A | 7/11/2006 | FS | 0.2 U[U] | NA | 0.2 U[U] | NA | NA | 0.2 U[U] | NA | 0.2 U[U] | NA | NA | NA | NA | 1 U[U] | NA | 0.2 U[U] | NA |
| | 200703 | ND11B-WTR97-09-1Q07-A | 3/7/2007 | FS | 0.2 U[U] | NA | 0.2 U[U] | NA | NA | 0.2 U[U] | NA | 0.2 U[U] | NA | NA | NA | NA | 1 U[U] | NA | 0.2 U[U] | NA |
| | 200710 | ND11B-WTR97-09-4Q07-A | 10/18/2007 | FS | 0.2 UJ[UJ] | NA | 0.2 UJ[UJ] | NA | NA | 0.2 UJ[UJ] | NA | 0.2 UJ[UJ] | NA | NA | NA | NA | **0.17 J[J]** | NA | 0.2 U[U] | NA |

**Table H-1**
**Cumulative Analytical Data**
**NAAD-11B**

| | | | | Analysis Group | Explosives, Total | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Analyte | 1,3,5-Trinitrobenzene | 1,3-Dinitrobenzene | 2,4,6-Trinitrotoluene | 2,4-Dinitrotoluene | 2,6-Dinitrotoluene | 2-Amino-4,6-dinitrotoluene | 2-Nitrotoluene/4-Nitrotoluene | 4-Amino-2,6-dinitrotoluene | HMX (Octogen) | m-Nitrotoluene | Nitrobenzene | o-Nitrotoluene | Perchlorate | p-Nitrotoluene | RDX | Tetryl |
| | | | | CAS No. | 99-35-4 | 99-65-0 | 118-96-7 | 121-14-2 | 606-20-2 | 35572-78-2 | 88-7-2/99-99-0 | 19406-51-0 | 2691-41-0 | 99-08-1 | 98-95-3 | 88-72-2 | 14797-73-0 | 99-99-0 | 121-82-4 | 479-45-8 |
| | | | | Units | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L |
| | | | | PAL | 590 | 2 | 2.5 | 0.24 | 0.049 | 39 | NE | 39 | 1000 | 1.7 | 0.14 | 0.31 | 11 | 4.3 | 0.7 | 39 |
| Station | Event | Sample ID | Date | Type | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 97-09 | 200804 | ND11B-WTR97-09-1Q08-A | 4/10/2008 | FS | 0.2 U[U] | NA | 0.2 U[U] | NA | NA | 0.2 U[U] | NA | 0.2 U[U] | NA | NA | NA | NA | **0.55** | NA | 0.2 U[U] | NA |
| | 200810 | ND11B-WTR-97-09-3Q08-A | 10/23/2008 | FS | NA | NA | NA | NA | NA | 0.2 U[U] | NA | 0.2 U[U] | NA | NA | NA | NA | NA | NA | 0.2 U[U] | NA |
| | 200903 | ND11B-WTR-97-09-1Q09-A | 4/7/2009 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.2 U[U] | NA |
| | 200910 | ND11B-WTR-97-09-3Q09-A | 10/6/2009 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.2 U[U] | NA |
| | 200910 | ND11B-WTR-97-09-3Q09-B | 10/6/2009 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.2 U[U] | NA |
| | 201004 | ND11B-WTR-97-09-1Q10-A | 4/14/2010 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.21 U[U] | NA |
| | 201004 | ND11B-WTR-97-09-3Q10-A | 10/12/2010 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.21 U[U] | NA |
| | 201208 | ND11B-WTR-97-09-2012-A | 8/10/2012 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.2 U[U] | NA |
| | 201305 | ND11B-WTR97-09-2013-A | 5/21/2013 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.22 U[U] | NA |
| | 201403 | ND11B-WTR97-09-2014-A | 5/12/2014 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.21 U[U] | NA |
| | 201505 | ND11B-WTR97-09-2015-A | 5/5/2015 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.2 U[U] | NA |
| | 201606 | NAAD11B-97-09-00 | 6/16/2016 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.13 UM[U] | NA |
| | 201705 | NAAD11B-97-09-00 | 5/5/2017 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.13 U[U] | NA |
| | 201805 | NAAD11B-9709-00 | 5/21/2018 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | **0.457 J[J]** | NA |
| | 201905 | NAAD11B-9709-00 | 5/2/2019 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.55 U[U] | NA |
| 97-10 | 199711 | 97-10 | 11/9/1997 | FS | 0.56 U[U] | 0.74 U[U] | 0.83 U[U] | 0.89 U[U] | 1.9 U[U] | NA | NA | NA | 0.48 U[U] | 1.3 U[U] | 0.68 U[U] | 0.86 U[U] | NA | 1.5 U[U] | **3.4** | 0.58 U[U] |
| | 199810 | 97-10 | 10/14/1998 | FS | 0.5 U[U] | NA | 0.5 U[U] | 0.5 U[U] | 0.5 U[U] | 0.5 U[U] | NA | 0.5 U[U] | **1.1** | 10 U[U] | 10 U[U] | 50 U[U] | NA | 10 U[U] | **2.6** | 4 U[U] |
| | 199901 | 97-10 | 1/20/1999 | FS | 0.5 U[U] | NA | 0.5 U[U] | 0.5 U[U] | 0.5 U[U] | 0.5 U[U] | NA | 0.5 U[U] | 1 U[U] | 10 U[U] | 10 U[U] | 50 U[U] | NA | 10 U[U] | 1 U[U] | 4 U[U] |
| | 199904 | 97-10 | 4/20/1999 | FS | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | NA | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | NA | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] |
| | 199907 | 97-10 | 7/12/1999 | FS | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | NA | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | NA | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] |
| | 199910 | 97-10 | 10/15/1999 | FS | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | NA | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | NA | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] |
| | 200011 | 97-10 | 2/17/2000 | FS | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | 10 U[U] |
| | 200011 | 97-10 | 4/27/2000 | FS | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | 10 U[U] |
| | 200011 | 97-10 | 7/19/2000 | FS | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | 10 U[U] |
| | 200011 | 97-10 | 11/2/2000 | FS | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | 10 U[U] |
| | 200101 | 97-10 | 1/24/2001 | FS | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | 10 U[U] |
| | 200104 | 97-10 | 4/24/2001 | FS | 5 U[U] | 1 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 10 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | NA | 5 U[U] | 5 U[U] | 5 U[U] |
| | 200107 | 97-10 | 7/31/2001 | FS | 5 U[U] | 1 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 10 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 10 U[U] | NA | 10 U[U] | 5 U[U] | 5 U[U] |
| | 200304 | 97-10 | 4/18/2003 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 98-01 | 199810 | 98-01 | 10/14/1998 | FS | 0.5 U[U] | 0.5 U[U] | 0.5 U[U] | 0.5 U[U] | 0.5 U[U] | 0.5 U[U] | NA | 0.5 U[U] | 1 U[U] | 10 U[U] | 10 U[U] | 50 U[U] | NA | 10 U[U] | 1 U[U] | 4 U[U] |
| | 199901 | 98-01 | 1/20/1999 | FS | 0.5 U[U] | NA | 0.5 U[U] | 0.5 U[U] | 0.5 U[U] | 0.5 U[U] | NA | 0.5 U[U] | 1 U[U] | 10 U[U] | 10 U[U] | 50 U[U] | NA | 10 U[U] | 1 U[U] | 4 U[U] |
| | 199904 | 98-01 | 4/20/1999 | FS | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | NA | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | NA | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] |
| | 199907 | 98-01 | 7/12/1999 | FS | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | NA | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | NA | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] |
| | 199910 | 98-01 | 10/15/1999 | FS | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | NA | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | NA | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] |
| | 200011 | 98-01 | 2/17/2000 | FS | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | 10 U[U] |
| | 200011 | 98-01 | 4/27/2000 | FS | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | 10 U[U] |
| | 200011 | 98-01 | 7/19/2000 | FS | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | 10 U[U] |
| | 200011 | 98-01 | 11/2/2000 | FS | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | 10 U[U] |
| | 200101 | 98-01 | 1/24/2001 | FS | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | 10 U[U] |
| | 200104 | 98-01 | 4/24/2001 | FS | 5 U[U] | 1 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 10 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | NA | 5 U[U] | 5 U[U] | 5 U[U] |
| | 200107 | 98-01 | 7/31/2001 | FS | 5 U[U] | 1 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 10 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 10 U[U] | NA | 10 U[U] | 5 U[U] | 5 U[U] |
| | 200111 | 98-01 | 11/14/2001 | FS | 5 U[U] | 1 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 10 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | NA | NA | NA | 5 U[U] | 5 U[U] |
| | 200304 | 98-01 | 4/18/2003 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**Table H-1**
**Cumulative Analytical Data**
**NAAD-11B**

| | | | | Analysis Group | Explosives, Total | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Analyte | 1,3,5-Trinitrobenzene | 1,3-Dinitrobenzene | 2,4,6-Trinitrotoluene | 2,4-Dinitrotoluene | 2,6-Dinitrotoluene | 2-Amino-4,6-dinitrotoluene | 2-Nitrotoluene/4-Nitrotoluene | 4-Amino-2,6-dinitrotoluene | HMX (Octogen) | m-Nitrotoluene | Nitrobenzene | o-Nitrotoluene | Perchlorate | p-Nitrotoluene | RDX | Tetryl |
| | | | | CAS No. | 99-35-4 | 99-65-0 | 118-96-7 | 121-14-2 | 606-20-2 | 35572-78-2 | 88-7-2/99-99-0 | 19406-51-0 | 2691-41-0 | 99-08-1 | 98-95-3 | 88-72-2 | 14797-73-0 | 99-99-0 | 121-82-4 | 479-45-8 |
| | | | | Units | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L |
| | | | | PAL | 590 | 2 | 2.5 | 0.24 | 0.049 | 39 | NE | 39 | 1000 | 1.7 | 0.14 | 0.31 | 11 | 4.3 | 0.7 | 39 |
| Station | Event | Sample ID | Date | Type | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 98-02 | 199810 | 98-02 | 10/14/1998 | FS | 0.5 U[U] | NA | 0.5 U[U] | 0.5 U[U] | 0.5 U[U] | 0.5 U[U] | NA | 0.5 U[U] | 1 U[U] | 10 U[U] | 10 U[U] | 50 U[U] | NA | 10 U[U] | 1 U[U] | 4 U[U] |
| | 199901 | 98-02 | 1/20/1999 | FS | 0.5 U[U] | NA | 0.5 U[U] | 0.5 U[U] | 0.5 U[U] | 0.5 U[U] | NA | 0.5 U[U] | 1 U[U] | 10 U[U] | 10 U[U] | 50 U[U] | NA | 10 U[U] | 1 U[U] | 4 U[U] |
| | 199904 | 98-02 | 4/20/1999 | FS | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | NA | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | NA | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] |
| | 199907 | 98-02 | 7/12/1999 | FS | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | NA | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | NA | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] |
| | 199910 | 98-02 | 10/15/1999 | FS | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | NA | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | NA | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] |
| | 200011 | 98-02 | 2/17/2000 | FS | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | 10 U[U] |
| | 200011 | 98-02 | 4/27/2000 | FS | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | 10 U[U] |
| | 200011 | 98-02 | 7/19/2000 | FS | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | 10 U[U] |
| | 200011 | 98-02 | 11/2/2000 | FS | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | 10 U[U] |
| | 200101 | 98-02 | 1/24/2001 | FS | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | 10 U[U] |
| | 200104 | 98-02 | 4/25/2001 | FS | 5 U[U] | 1 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 10 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 10 U[U] | NA | 10 U[U] | 5 U[U] | 5 U[U] |
| | 200107 | 98-02 | 7/31/2001 | FS | 5 U[U] | 1 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 10 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 10 U[U] | NA | 10 U[U] | 5 U[U] | 5 U[U] |
| | 200111 | 98-02 | 11/14/2001 | FS | 1 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 10 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | NA | NA | NA | 5 U[U] | 5 U[U] |
| | 200304 | 98-02 | 4/18/2003 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200511 | ND11B-WTR98-02-4Q05-A | 11/2/2005 | FS | 0.25 U[U] | NA | 0.25 U[U] | NA | NA | 0.25 U[U] | NA | 0.25 U[U] | NA | NA | NA | NA | 1 U[U] | NA | **1.1** | NA |
| | 200601 | ND11B-WTR98-02-1Q06-A | 1/31/2006 | FS | 0.25 U[U] | NA | 0.25 U[U] | NA | NA | 0.25 U[U] | NA | 0.25 U[U] | NA | NA | NA | NA | 1 U[U] | NA | **0.95 J[J]** | NA |
| | 200604 | ND11B-WTR98-02-2Q06-A | 4/18/2006 | FS | 0.25 U[U] | NA | 0.25 U[U] | NA | NA | 0.25 U[U] | NA | 0.25 U[U] | NA | NA | NA | NA | 1 UJ[UJ] | NA | **1** | NA |
| | 200607 | ND11B-WTR98-02-3Q06-A | 7/11/2006 | FS | 0.2 U[U] | NA | 0.2 U[U] | NA | NA | 0.2 U[U] | NA | 0.2 U[U] | NA | NA | NA | NA | 1 U[U] | NA | **0.96** | NA |
| | 200607 | ND11B-WTR98-02-3Q06-B | 7/11/2006 | FD | 0.2 U[U] | NA | 0.2 U[U] | NA | NA | 0.2 U[U] | NA | 0.2 U[U] | NA | NA | NA | NA | 1 U[U] | NA | **0.89** | NA |
| | 200703 | ND11B-WTR98-02-1Q07-A | 3/7/2007 | FS | 0.2 U[U] | NA | 0.2 U[U] | NA | NA | 0.2 U[U] | NA | 0.2 U[U] | NA | NA | NA | NA | 1 U[U] | NA | **1.1** | NA |
| | 200710 | ND11B-WTR98-02-4Q07-A | 10/18/2007 | FS | 0.2 U[U] | NA | 0.2 U[U] | NA | NA | 0.2 U[U] | NA | 0.2 U[U] | NA | NA | NA | NA | 0.05 U[U] | NA | **0.2** | NA |
| | 200804 | ND11B-WTR98-02-1Q08-A | 4/10/2008 | FS | 0.2 U[U] | NA | 0.2 U[U] | NA | NA | 0.2 U[U] | NA | 0.2 U[U] | NA | NA | NA | NA | 0.05 U[U] | NA | **0.94** | NA |
| | 200810 | ND11B-WTR-98-02-3Q08-A | 10/23/2008 | FS | NA | NA | NA | NA | NA | 0.2 U[U] | NA | 0.2 U[U] | NA | NA | NA | NA | NA | NA | **0.6** | NA |
| | 200903 | ND11B-WTR-98-02-1Q09-A | 4/7/2009 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.2 U[U] | NA |
| | 200910 | ND11B-WTR-98-02-3Q09-A | 10/6/2009 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | **0.77** | NA |
| | 201004 | ND11B-WTR-98-02-1Q10-A | 4/14/2010 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | **0.43** | NA |
| | 201004 | ND11B-WTR-98-02-3Q10-A | 10/12/2010 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.2 U[U] | NA |
| | 201208 | ND11B-WTR-98-02-2012-A | 8/9/2012 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.2 U[U] | NA |
| 98-03 | 199810 | 98-03 | 10/15/1998 | FS | 0.5 U[U] | 0.5 U[U] | 0.5 U[U] | 0.5 U[U] | 0.5 U[U] | 0.5 U[U] | NA | 0.5 U[U] | 1 U[U] | 10 U[U] | 10 U[U] | 50 U[U] | NA | 10 U[U] | 1 U[U] | 4 U[U] |
| | 199901 | 98-03 | 1/21/1999 | FS | 0.5 U[U] | NA | 0.5 U[U] | 0.5 U[U] | 0.5 U[U] | 0.5 U[U] | NA | 0.5 U[U] | 1 U[U] | 10 U[U] | 10 U[U] | 50 U[U] | NA | 10 U[U] | 1 U[U] | 4 U[U] |
| | 199904 | 98-03 | 4/22/1999 | FS | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | NA | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | NA | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] |
| | 199907 | 98-03 | 7/13/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199907 | 98-03 | 8/12/1999 | FS | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | NA | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | NA | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] |
| | 199910 | 98-03 | 10/15/1999 | FS | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | NA | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | NA | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] |
| | 200011 | 98-03 | 4/28/2000 | FS | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | 10 U[U] |
| | 200104 | 98-03 | 4/25/2001 | FS | 5 U[U] | 1 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 10 U[U] | **10** | 5 U[U] | 5 U[U] | 5 U[U] | 10 U[U] | NA | 10 U[U] | 5 U[U] | 5 U[U] |
| | 200511 | ND11B-WTR98-03-4Q05-A | 11/2/2005 | FS | 0.25 U[U] | NA | 0.25 U[U] | NA | NA | 0.25 U[U] | NA | 0.25 U[U] | NA | NA | NA | NA | 1 U[U] | NA | 0.25 U[U] | NA |
| | 200804 | ND11B-WTR98-03-1Q08-A | 4/9/2008 | FS | 0.2 UJ[UJ] | NA | 0.2 U[U] | NA | NA | 0.2 UJ[UJ] | NA | 0.2 UJ[UJ] | NA | NA | NA | NA | **0.15 J[J]** | NA | 0.2 UJ[UJ] | NA |
| | 200903 | ND11B-WTR-98-03-1Q09-A | 4/7/2009 | FS | 0.2 U[U] | NA | 0.2 U[U] | NA | NA | 0.2 U[U] | NA | 0.2 U[U] | NA | NA | NA | NA | **0.22** | NA | 0.2 U[U] | NA |
| | 201004 | ND11B-WTR-98-03-1Q10-A | 4/14/2010 | FS | 0.2 U[U] | NA | 0.2 U[U] | NA | NA | 0.2 U[U] | NA | 0.2 U[U] | NA | NA | NA | NA | **0.23** | NA | 0.2 U[U] | NA |
| | 201004 | ND11B-WTR-98-03-3Q10-A | 10/13/2010 | FS | 0.21 U[U] | NA | 0.21 U[U] | NA | NA | 0.21 U[U] | NA | 0.21 U[U] | NA | NA | NA | NA | 0.05 U[U] | NA | 0.21 U[U] | NA |
| | 201208 | ND11B-WTR-98-03-2012-A | 8/10/2012 | FS | 0.21 U[UJ] | NA | 0.21 U[UJ] | NA | NA | 0.21 U[UJ] | NA | 0.21 U[UJ] | NA | NA | NA | NA | NA | NA | 0.21 U[U] | NA |
| | 201305 | ND11B-WTR98-03-2013-A | 5/21/2013 | FS | 0.22 U[U] | NA | 0.22 U[U] | NA | NA | 0.22 U[U] | NA | 0.22 U[U] | NA | NA | NA | NA | NA | NA | 0.22 U[U] | NA |

**Table H-1**
**Cumulative Analytical Data**
**NAAD-11B**

| | | | | Analysis Group | Explosives, Total | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Analyte | 1,3,5-Trinitrobenzene | 1,3-Dinitrobenzene | 2,4,6-Trinitrotoluene | 2,4-Dinitrotoluene | 2,6-Dinitrotoluene | 2-Amino-4,6-dinitrotoluene | 2-Nitrotoluene/4-Nitrotoluene | 4-Amino-2,6-dinitrotoluene | HMX (Octogen) | m-Nitrotoluene | Nitrobenzene | o-Nitrotoluene | Perchlorate | p-Nitrotoluene | RDX | Tetryl |
| | | | | CAS No. | 99-35-4 | 99-65-0 | 118-96-7 | 121-14-2 | 606-20-2 | 35572-78-2 | 88-7-2/99-99-0 | 19406-51-0 | 2691-41-0 | 99-08-1 | 98-95-3 | 88-72-2 | 14797-73-0 | 99-99-0 | 121-82-4 | 479-45-8 |
| | | | | Units | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L |
| | | | | PAL | 590 | 2 | 2.5 | 0.24 | 0.049 | 39 | NE | 39 | 1000 | 1.7 | 0.14 | 0.31 | 11 | 4.3 | 0.7 | 39 |
| Station | Event | Sample ID | Date | Type | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 98-03 | 201403 | ND11B-WTR98-03-2014-A | 5/14/2014 | FS | 0.21 U[U] | NA | 0.21 U[U] | NA | NA | 0.21 U[U] | NA | 0.21 U[U] | NA | NA | NA | NA | NA | NA | 0.21 U[U] | NA |
| | 201505 | ND11B-WTR98-03-2015-A | 5/5/2015 | FS | 0.21 U[U] | NA | 0.21 U[U] | NA | NA | 0.21 U[U] | NA | 0.21 U[U] | NA | NA | NA | NA | NA | NA | 0.21 U[U] | NA |
| | 201607 | NAAD11B-98-03-00 | 7/27/2016 | FS | NA | NA | 0.22 U[U] | NA | NA | 0.13 U[U] | NA | 0.13 UQ[UJ] | NA | NA | NA | NA | NA | NA | 0.13 U[U] | NA |
| | 201705 | NAAD11B-98-03-00 | 5/5/2017 | FS | NA | NA | 0.22 U[U] | NA | NA | 0.13 U[U] | NA | 0.13 U[U] | NA | NA | NA | NA | NA | NA | 0.13 U[U] | NA |
| | 201705 | NAAD11B-98-03-01 | 5/5/2017 | FD | NA | NA | 0.23 U[U] | NA | NA | 0.14 U[U] | NA | 0.14 U[U] | NA | NA | NA | NA | NA | NA | 0.14 U[U] | NA |
| | 201905 | NAAD11B-9803-00 | 5/3/2019 | FS | NA | NA | 0.51 U[U] | NA | NA | 0.51 U[U] | NA | 0.51 U[U] | NA | NA | NA | NA | NA | NA | 0.51 U[U] | NA |
| 99-03 | 199904 | 99-03 | 4/6/1999 | FS | 0.012 U[U] | 0.012 U[U] | 0.012 U[U] | 0.012 U[U] | 0.012 U[U] | 0.012 U[U] | NA | 0.012 U[U] | 0.012 U[U] | 0.012 U[U] | 0.012 U[U] | 0.012 U[U] | NA | 0.012 U[U] | 0.012 U[U] | 0.012 U[U] |
| | 199904 | 99-03 | 4/22/1999 | FS | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | NA | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | NA | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] |
| | 199907 | 99-03 | 7/13/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199907 | 99-03 | 8/12/1999 | FS | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | NA | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | NA | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] |
| | 199910 | 99-03 | 10/15/1999 | FS | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | NA | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] | NA | 0.25 U[U] | 0.25 U[U] | 0.25 U[U] |
| | 200011 | 99-03 | 2/17/2000 | FS | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | 10 U[U] |
| | 200011 | 99-03 | 4/28/2000 | FS | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | 10 U[U] |
| | 200011 | 99-03 | 7/20/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200011 | 99-03 | 11/3/2000 | FS | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | 10 U[U] |
| | 200101 | 99-03 | 1/24/2001 | FS | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | 10 U[U] |
| | 200104 | 99-03 | 4/25/2001 | FS | 5 U[U] | 1 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 10 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 10 U[U] | NA | 10 U[U] | 5 U[U] | 5 U[U] |
| | 200108 | 99-03 | 8/1/2001 | FS | 5 U[U] | 1 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 10 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 10 U[U] | NA | 10 U[U] | 5 U[U] | 5 U[U] |
| | 200111 | 99-03 | 11/14/2001 | FS | 5 U[U] | 1 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 10 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | NA | NA | NA | 5 U[U] | 5 U[U] |
| | 200703 | ND11B-WTR99-03-1Q07-A | 3/7/2007 | FS | 0.2 U[U] | NA | 0.2 U[U] | NA | NA | 0.2 U[U] | NA | 0.2 U[U] | NA | NA | NA | NA | 1 U[U] | NA | 0.2 U[U] | NA |
| | 200710 | ND11B-WTR99-03-4Q07-A | 10/19/2007 | FS | 0.2 UJ[UJ] | NA | 0.2 UJ[UJ] | NA | NA | 0.2 UJ[UJ] | NA | 0.2 UJ[UJ] | NA | NA | NA | NA | NA | NA | **0.93 J[J]** | NA |
| | 200804 | ND11B-WTR99-03-1Q08-A | 4/8/2008 | FS | 0.2 UJ[UJ] | NA | 0.2 UJ[UJ] | NA | NA | **0.2 J[J]** | NA | 0.2 UJ[UJ] | NA | NA | NA | NA | **0.29** | NA | **0.22 J[J]** | NA |
| | 200810 | ND11B-WTR-99-03-3Q08-A | 10/22/2008 | FS | 0.2 U[U] | NA | 0.2 U[U] | NA | NA | **0.23** | NA | 0.2 U[U] | NA | NA | NA | NA | **0.092 J[J]** | NA | 0.2 U[U] | NA |
| | 200903 | ND11B-WTR-99-03-1Q09-A | 4/7/2009 | FS | 0.2 U[U] | NA | 0.2 U[U] | NA | NA | **0.3** | NA | 0.2 U[U] | NA | NA | NA | NA | **0.37** | NA | **0.2 NJ[NJ]** | NA |
| | 200910 | ND11B-WTR-99-03-3Q09-A | 10/6/2009 | FS | 0.2 U[U] | NA | 0.2 U[U] | NA | NA | 0.2 U[U] | NA | 0.2 U[U] | NA | NA | NA | NA | NA | NA | **0.25** | NA |
| | 201004 | ND11B-WTR-99-03-1Q10-A | 4/13/2010 | FS | 0.21 U[U] | NA | 0.21 U[U] | NA | NA | 0.21 U[U] | NA | 0.21 U[U] | NA | NA | NA | NA | NA | NA | **0.52** | NA |
| | 201004 | ND11B-WTR-99-03-3Q10-A | 10/13/2010 | FS | 0.2 U[U] | NA | 0.2 U[U] | NA | NA | **0.39 J[J]** | NA | 0.2 U[U] | NA | NA | NA | NA | NA | NA | 0.2 U[U] | NA |
| | 201208 | ND11B-WTR-99-03-2012-A | 8/10/2012 | FS | NA | NA | NA | NA | NA | 0.2 U[UJ] | NA | NA | NA | NA | NA | NA | NA | NA | 0.35 [UJ] | NA |
| | 201305 | ND11B-WTR99-03-2013-A | 5/21/2013 | FS | NA | NA | NA | NA | NA | 0.22 U[UJ] | NA | NA | NA | NA | NA | NA | NA | NA | **0.24 [J]** | NA |
| | 201403 | ND11B-WTR99-03-2014-A | 5/14/2014 | FS | NA | NA | NA | NA | NA | 0.22 U[U] | NA | NA | NA | NA | NA | NA | NA | NA | 0.22 U[U] | NA |
| | 201505 | ND11B-WTR99-03-2015-A | 5/5/2015 | FS | NA | NA | NA | NA | NA | 0.2 U[U] | NA | NA | NA | NA | NA | NA | NA | NA | **0.75** | NA |
| | 201606 | NAAD11B-99-03-00 | 6/15/2016 | FS | NA | NA | NA | NA | NA | 0.13 UJQ[UJ] | NA | NA | NA | NA | NA | NA | NA | NA | **0.76 J[J]** | NA |
| | 201606 | NAAD11B-99-03-01 | 6/15/2016 | FD | NA | NA | NA | NA | NA | 0.13 UQ[UJ] | NA | NA | NA | NA | NA | NA | NA | NA | **0.76 J[J]** | NA |
| | 201705 | NAAD11B-99-03-00 | 5/5/2017 | FS | NA | NA | NA | NA | NA | 0.13 U[U] | NA | NA | NA | NA | NA | NA | NA | NA | **1.1 J[J]** | NA |
| | 201705 | NAAD11B-99-03-01 | 5/5/2017 | FD | NA | NA | NA | NA | NA | 0.15 U[U] | NA | NA | NA | NA | NA | NA | NA | NA | **1.2 J[J]** | NA |
| | 201805 | NAAD11B-9903-00 | 5/22/2018 | FS | NA | NA | NA | NA | NA | 0.532 U[U] | NA | NA | NA | NA | NA | NA | NA | NA | **0.97 J[J]** | NA |
| | 201905 | NAAD11B-9903-00 | 5/2/2019 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 1.11 J[U] | NA |

**Table H-1**
**Cumulative Analytical Data**
**NAAD-11B**

| | | | | Analysis Group | Metals, Dissolved | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Analyte | Antimony | Arsenic | Barium | Beryllium | Cadmium | Calcium | Chromium | Copper | Iron | Lead | Magnesium | Mercury | Nickel | Selenium | Silver | Thallium | Zinc |
| | | | | CAS No. | 7440-36-0 | 7440-38-2 | 7440-39-3 | 7440-41-7 | 7440-43-9 | 7440-70-2 | 7440-47-3 | 7440-50-8 | 7439-89-6 | 7439-92-1 | 7439-95-4 | 7439-97-6 | 7440-02-0 | 7782-49-2 | 7440-22-4 | 7440-28-0 | 7440-66-6 |
| | | | | Units | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| | | | | PAL | 0.006 | 0.05 | 2 | 0.004 | 0.005 | NE | 0.1 | 0.8 | 14 | 0.05 | NE | 0.002 | 0.1 | 0.05 | 0.094 | 0.002 | 6 |
| Station | Event | Sample ID | Date | Type | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 00-01 | 200011 | 00-01 | 11/3/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200101 | 00-01 | 1/25/2001 | FS | 0.005 U[U] | 0.005 U[U] | **0.13** | 0.002 U[U] | 0.005 U[U] | **46** | 0.01 U[U] | 0.015 U[U] | **0.34** | 0.005 U[U] | **21** | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.04 U[U] | 0.4 U[U] | 0.02 U[U] |
| | 200104 | 00-01 | 4/25/2001 | FS | 0.004 U[U] | 0.005 U[U] | **0.08** | 0.002 U[U] | 0.005 U[U] | **51** | 0.005 U[U] | 0.015 U[U] | **0.06** | 0.005 U[U] | **19** | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.04 U[U] | 0.001 U[U] | 0.02 U[U] |
| | 200108 | 00-01 | 8/1/2001 | FS | 0.004 U[U] | 0.005 U[U] | **0.24** | 0.002 U[U] | 0.005 U[U] | **46** | 0.005 U[U] | 0.01 U[U] | **0.51** | **0.013** | **22** | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.04 U[U] | 0.001 U[U] | **0.23** |
| | 200511 | ND11B-WTR00-01-4Q05-A | 11/2/2005 | FS | NA | **0.005 J[J]** | NA | 0.0012 U[U] | NA | NA | **0.0012 J[J]** | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200601 | ND11B-WTR00-01-1Q06-A | 2/1/2006 | FS | NA | 0.0043 U[U] | NA | **0.00062** | NA | NA | 0.0015 U[U] | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200604 | ND11B-WTR00-01-2Q06-A | 4/19/2006 | FS | NA | **0.0057 J[J]** | NA | 0.0002 U[U] | NA | NA | 0.0023 U[U] | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200710 | ND11B-WTR00-01-4Q07-A | 10/18/2007 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200804 | ND11B-WTR00-01-1Q08-A | 4/9/2008 | FS | NA | **0.057** | NA | **0.035** | NA | NA | **0.027** | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200810 | ND11B-WTR-00-01-3Q08-A | 10/21/2008 | FS | NA | 0.015 U[U] | NA | 0.005 U[U] | NA | NA | 0.01 U[U] | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200903 | ND11B-WTR-00-01-1Q09-A | 4/7/2009 | FS | NA | 0.015 U[U] | NA | 0.005 U[U] | NA | NA | 0.01 U[U] | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200910 | ND11B-WTR-00-01-3Q09-A | 10/5/2009 | FS | NA | 0.015 U[U] | NA | 0.005 U[U] | NA | NA | 0.01 U[U] | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-00-01-1Q10-A | 4/14/2010 | FS | NA | 0.0044 U[U] | NA | 0.00047 U[U] | NA | NA | **0.0032 J[J]** | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-00-01-3Q10-A | 10/13/2010 | FS | NA | 0.0044 U[U] | NA | 0.00047 U[U] | NA | NA | 0.00066 U[U] | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201208 | ND11B-WTR-00-01-2012-A | 8/10/2012 | FS | NA | **0.0015 [J]** | NA | 0.00008 U[U] | NA | NA | **0.00065 [J]** | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201208 | ND11B-WTR-00-01-2012-B | 8/10/2012 | FD | NA | **0.0016 [J]** | NA | 0.00008 U[U] | NA | NA | **0.00063 [J]** | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201305 | ND11B-WTR00-01-2013-A | 5/22/2013 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201403 | ND11B-WTR00-01-2014-A | 5/14/2014 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201505 | ND11B-WTR00-01-2015-A | 5/5/2015 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201607 | NAAD11B-00-01-00 | 7/27/2016 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201607 | NAAD11B-00-01-01 | 7/27/2016 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201705 | NAAD11B-00-01-00 | 5/6/2017 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201805 | NAAD11B-0001-00 | 5/23/2018 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201905 | NAAD11B-0001-00 | 5/2/2019 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201905 | NAAD11B-0001-01 | 5/2/2019 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 00-02 | 200011 | 00-02 | 11/3/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200101 | 00-02 | 1/25/2001 | FS | 0.005 U[U] | 0.005 U[U] | **0.2** | 0.002 U[U] | 0.005 U[U] | **46** | 0.01 U[U] | 0.015 U[U] | **1.2** | 0.005 U[U] | **20** | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.04 U[U] | 0.4 U[U] | 0.02 U[U] |
| | 200104 | 00-02 | 4/25/2001 | FS | 0.004 U[U] | 0.005 U[U] | **0.12** | 0.002 U[U] | 0.005 U[U] | **50** | 0.005 U[U] | 0.015 U[U] | **0.04** | 0.005 U[U] | **22** | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.04 U[U] | 0.001 U[U] | 0.02 U[U] |
| | 200108 | 00-02 | 8/1/2001 | FS | 0.004 U[U] | 0.005 U[U] | **0.13** | 0.002 U[U] | 0.005 U[U] | **41** | 0.005 U[U] | 0.01 U[U] | **0.06** | 0.005 U[U] | **19** | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.04 U[U] | 0.001 U[U] | **0.03** |
| | 200511 | ND11B-WTR0002-4Q05-A | 11/1/2005 | FS | NA | **0.0051 J[J]** | NA | 0.0012 U[U] | NA | NA | 0.0009 U[U] | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200601 | ND11B-WTR0002-1Q06-A | 1/30/2006 | FS | NA | 0.0076 U[U] | NA | 0.0003 U[U] | NA | NA | 0.0015 U[U] | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200703 | ND11B-WTR00-02-1Q07-A | 3/7/2007 | FS | NA | 0.015 U[U] | NA | 0.005 U[U] | NA | NA | 0.01 U[U] | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200710 | ND11B-WTR0002-4Q07-A | 10/18/2007 | FS | NA | 0.015 U[U] | NA | 0.005 U[U] | NA | NA | 0.01 U[U] | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200804 | ND11B-WTR0002-1Q08-A | 4/9/2008 | FS | NA | 0.015 U[U] | NA | 0.005 U[U] | NA | NA | 0.01 U[U] | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200810 | ND11B-WTR-00-02-3Q08-A | 10/21/2008 | FS | NA | 0.015 U[U] | NA | 0.005 U[U] | NA | NA | 0.01 U[U] | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200903 | ND11B-WTR-00-02-1Q09-A | 4/8/2009 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200910 | ND11B-WTR-00-02-3Q09-A | 10/6/2009 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-00-02-1Q10-A | 4/12/2010 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-00-02-1Q10-B | 4/12/2010 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-00-02-3Q10-A | 10/13/2010 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-00-02-3Q10-B | 10/13/2010 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201208 | ND11B-WTR-00-02-2012-A | 8/7/2012 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201208 | ND11B-WTR-00-02-2012-B | 8/7/2012 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**Table H-1**
**Cumulative Analytical Data**
**NAAD-11B**

| | | | | Analysis Group | Metals, Dissolved | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Analyte | Antimony | Arsenic | Barium | Beryllium | Cadmium | Calcium | Chromium | Copper | Iron | Lead | Magnesium | Mercury | Nickel | Selenium | Silver | Thallium | Zinc |
| | | | | CAS No. | 7440-36-0 | 7440-38-2 | 7440-39-3 | 7440-41-7 | 7440-43-9 | 7440-70-2 | 7440-47-3 | 7440-50-8 | 7439-89-6 | 7439-92-1 | 7439-95-4 | 7439-97-6 | 7440-02-0 | 7782-49-2 | 7440-22-4 | 7440-28-0 | 7440-66-6 |
| | | | | Units | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| | | | | PAL | 0.006 | 0.05 | 2 | 0.004 | 0.005 | NE | 0.1 | 0.8 | 14 | 0.05 | NE | 0.002 | 0.1 | 0.05 | 0.094 | 0.002 | 6 |
| Station | Event | Sample ID | Date | Type | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 00-02 | 201305 | ND11B-WTR00-02-2013-A | 5/21/2013 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201403 | ND11B-WTR00-02-2014-A | 5/14/2014 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201505 | ND11B-WTR00-02-2015-A | 5/6/2015 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201607 | NAAD11B-00-02-00 | 7/28/2016 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201705 | NAAD11B-00-02-00 | 5/6/2017 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201805 | NAAD11B-0002-00 | 5/23/2018 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201905 | NAAD11B-0002-00 | 5/3/2019 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 02-01 | 200511 | ND11B-WTR02-01-4Q05-A | 11/1/2005 | FS | NA | **0.0057 J[J]** | NA | 0.0012 U[U] | NA | NA | **0.0031 J[J]** | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200601 | ND11B-WTR02-01-1Q06-A | 1/31/2006 | FS | NA | 0.0076 U[U] | NA | 0.0003 U[U] | NA | NA | **0.0031 J[J]** | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200604 | ND11B-WTR02-01-2Q06-A | 4/19/2006 | FS | NA | **0.0043 J[J]** | NA | 0.0002 U[U] | NA | NA | **0.0038** | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200607 | ND11B-WTRMW02-01-3Q06-A | 7/11/2006 | FS | NA | 0.015 U[U] | NA | 0.005 U[U] | NA | NA | 0.01 U[U] | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200703 | ND11B-WTR02-01-1Q07-A | 3/6/2007 | FS | NA | 0.015 U[U] | NA | 0.005 U[U] | NA | NA | 0.01 U[U] | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200710 | ND11B-WTRMW02-01-4Q07-A | 10/18/2007 | FS | NA | 0.015 U[U] | NA | 0.005 U[U] | NA | NA | 0.01 U[U] | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200710 | ND11B-WTRMW02-01-4Q07-B | 10/18/2007 | FD | NA | 0.015 U[U] | NA | 0.005 U[U] | NA | NA | 0.01 U[U] | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200804 | ND11B-WTRMW02-01-1Q08-A | 4/8/2008 | FS | NA | 0.015 U[U] | NA | 0.005 U[U] | NA | NA | **0.01 J[J]** | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200804 | ND11B-WTRMW02-01-1Q08-B | 4/8/2008 | FD | NA | 0.015 U[U] | NA | 0.005 U[U] | NA | NA | 0.01 U[U] | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200810 | ND11B-WTR-02-01-3Q08-A | 10/23/2008 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200903 | ND11B-WTR-02-01-1Q09-A | 4/8/2009 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200910 | ND11B-WTR-02-01-3Q09-A | 10/6/2009 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-02-01-1Q10-A | 4/12/2010 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-02-01-3Q10-A | 10/14/2010 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201208 | ND11B-WTR-02-01-2012-A | 8/7/2012 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201305 | ND11B-WTR02-01-2013-A | 5/21/2013 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201403 | ND11B-WTR02-01-2014-A | 5/14/2014 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201505 | ND11B-WTR02-01-2015-A | 5/5/2015 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201606 | NAAD11B-02-01-00 | 6/15/2016 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201705 | NAAD11B-02-01-00 | 5/5/2017 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201805 | NAAD11B-0201-00 | 5/21/2018 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201905 | NAAD11B-0201-00 | 5/1/2019 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 02-02 | 200511 | ND11B-WTRMW02-02-4Q05-A | 11/2/2005 | FS | NA | **0.0063 J[J]** | NA | 0.0012 U[U] | NA | NA | 0.0009 U[U] | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200810 | ND11B-WTR-02-02-3Q08-A | 10/21/2008 | FS | NA | 0.015 U[U] | NA | 0.005 U[U] | NA | NA | 0.01 U[U] | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200903 | ND11B-WTR-MW-02-02-1Q09-A | 4/7/2009 | FS | NA | 0.015 U[U] | NA | 0.005 U[U] | NA | NA | 0.01 U[U] | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200910 | ND11B-WTR-02-02-3Q09-A | 10/6/2009 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-02-02-1Q10-A | 4/14/2010 | FS | NA | 0.0044 U[U] | NA | 0.00047 U[U] | NA | NA | **0.00083 J[J]** | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-02-02-3Q10-A | 10/13/2010 | FS | NA | 0.0044 U[U] | NA | 0.00047 U[U] | NA | NA | 0.00066 U[U] | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201208 | ND11B-WTR-02-02-2012-A | 8/10/2012 | FS | NA | **0.0022 [J]** | NA | 0.00008 U[U] | NA | NA | 0.0005 U[U] | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201305 | ND11B-WTR02-02-2013-A | 5/21/2013 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201305 | ND11B-WTR02-02-2013-B | 5/21/2013 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201403 | ND11B-WTR-02-02-2014-A | 5/12/2014 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201505 | ND11B-WTR02-02-2015-A | 5/5/2015 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201607 | NAAD11B-02-02-00 | 7/27/2016 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201705 | NAAD11B-02-02-00 | 5/5/2017 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201805 | NAAD11B-0202-00 | 5/22/2018 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**Table H-1**
**Cumulative Analytical Data**
**NAAD-11B**

| | | | | Analysis Group | Metals, Dissolved | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Analyte | Antimony | Arsenic | Barium | Beryllium | Cadmium | Calcium | Chromium | Copper | Iron | Lead | Magnesium | Mercury | Nickel | Selenium | Silver | Thallium | Zinc |
| | | | | CAS No. | 7440-36-0 | 7440-38-2 | 7440-39-3 | 7440-41-7 | 7440-43-9 | 7440-70-2 | 7440-47-3 | 7440-50-8 | 7439-89-6 | 7439-92-1 | 7439-95-4 | 7439-97-6 | 7440-02-0 | 7782-49-2 | 7440-22-4 | 7440-28-0 | 7440-66-6 |
| | | | | Units | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| | | | | PAL | 0.006 | 0.05 | 2 | 0.004 | 0.005 | NE | 0.1 | 0.8 | 14 | 0.05 | NE | 0.002 | 0.1 | 0.05 | 0.094 | 0.002 | 6 |
| Station | Event | Sample ID | Date | Type | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 02-02 | 201905 | NAAD11B-0202-00 | 5/1/2019 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201905 | NAAD11B-0202-01 | 5/1/2019 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 97-04 | 199711 | 97-04 | 11/9/1997 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199810 | 97-04 | 10/15/1998 | FS | 0.003 U[U] | 0.005 U[U] | **0.53** | 0.001 U[U] | 0.003 U[U] | **100** | 0.01 U[U] | 0.01 U[U] | 0.05 U[U] | **0.018** | **38** | 0.0002 U[U] | 0.01 U[U] | 0.005 U[U] | 0.01 U[U] | 0.001 U[U] | **0.11** |
| | 199901 | 97-04 | 1/21/1999 | FS | 0.003 U[U] | 0.005 U[U] | **0.35** | 0.001 U[U] | 0.001 U[U] | **100** | 0.01 U[U] | 0.01 U[U] | **0.13** | 0.002 U[U] | **38** | 0.0002 U[U] | 0.01 U[U] | 0.005 U[U] | 0.01 U[U] | 0.001 U[U] | 0.05 U[U] |
| | 199904 | 97-04 | 4/22/1999 | FS | 0.5 U[U] | 0.5 U[U] | **0.29** | 0.002 U[U] | 0.005 U[U] | **100** | 0.01 U[U] | 0.015 U[U] | **0.11** | 0.1 U[U] | **32** | 0.0002 U[U] | 0.02 U[U] | 0.2 U[U] | 0.05 U[U] | 0.4 U[U] | 0.02 U[U] |
| | 199907 | 97-04 | 7/14/1999 | FS | 0.5 U[U] | 0.005 U[U] | **0.52** | 0.002 U[U] | 0.005 U[U] | **104** | 0.01 U[U] | 0.015 U[U] | **1.61** | **0.012** | **40** | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.05 U[U] | 0.4 U[U] | **0.06** |
| | 199910 | 97-04 | 10/15/1999 | FS | 0.5 U[U] | 0.005 U[U] | **0.09** | 0.002 U[U] | 0.005 U[U] | NA | 0.01 U[U] | 0.015 U[U] | NA | 0.005 U[U] | NA | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.05 U[U] | 0.4 U[U] | 0.02 U[U] |
| | 200011 | 97-04 | 2/17/2000 | FS | 0.004 U[U] | 0.005 U[U] | **0.35** | 0.002 U[U] | 0.005 U[U] | **81** | 0.01 U[U] | 0.015 U[U] | **0.22** | 0.005 U[U] | **32** | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.05 U[U] | 0.4 U[U] | 0.02 U[U] |
| | 200011 | 97-04 | 4/28/2000 | FS | 0.5 U[U] | 0.005 U[U] | **0.35** | 0.002 U[U] | 0.005 U[U] | **105** | 0.01 U[U] | 0.015 U[U] | **0.455** | 0.005 U[U] | **40** | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.04 U[U] | 0.4 U[U] | **0.04** |
| | 200011 | 97-04 | 7/20/2000 | FS | 0.002 U[U] | 0.005 U[U] | **0.3** | 0.002 U[U] | 0.005 U[U] | **94** | 0.01 U[U] | 0.015 U[U] | **0.06** | 0.005 U[U] | **36** | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.04 U[U] | 0.4 U[U] | **0.04** |
| | 200011 | 97-04 | 11/3/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200101 | 97-04 | 1/24/2001 | FS | 0.005 U[U] | 0.005 U[U] | **0.36** | 0.002 U[U] | 0.005 U[U] | **98** | 0.01 U[U] | 0.015 U[U] | **0.04** | 0.005 U[U] | **36** | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.04 U[U] | 0.4 U[U] | 0.02 U[U] |
| | 200104 | 97-04 | 4/25/2001 | FS | 0.004 U[U] | 0.005 U[U] | **0.36** | 0.002 U[U] | 0.005 U[U] | **119** | 0.005 U[U] | 0.015 U[U] | **0.04** | 0.005 U[U] | **42** | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.04 U[U] | 0.001 U[U] | 0.02 U[U] |
| | 200108 | 97-04 | 8/1/2001 | FS | 0.004 U[U] | 0.005 U[U] | **0.32** | 0.002 U[U] | 0.005 U[U] | **94** | 0.005 U[U] | 0.01 U[U] | **0.06** | 0.005 U[U] | **36** | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.04 U[U] | 0.001 U[U] | **0.12** |
| | 200703 | ND11B-WTR97-04-1Q07-A | 3/7/2007 | FS | NA | 0.015 U[U] | NA | 0.005 U[U] | NA | NA | 0.01 U[U] | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200804 | ND11B-WTR97-04-1Q08-A | 4/8/2008 | FS | NA | 0.015 U[U] | NA | 0.005 U[U] | NA | NA | 0.01 U[U] | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200810 | ND11B-WTR-97-04-3Q08-A | 10/23/2008 | FS | NA | 0.015 U[U] | NA | 0.005 U[U] | NA | NA | 0.01 U[U] | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200903 | ND11B-WTR-97-04-1Q09-A | 4/7/2009 | FS | NA | 0.015 U[U] | NA | 0.005 U[U] | NA | NA | 0.01 U[U] | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200903 | ND11B-WTR-97-04-1Q09-B | 4/7/2009 | FD | NA | 0.015 U[U] | NA | 0.005 U[U] | NA | NA | 0.01 U[U] | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200910 | ND11B-WTR-97-04-3Q09-A | 10/6/2009 | FS | NA | 0.015 U[U] | NA | 0.005 U[U] | NA | NA | 0.01 U[U] | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-97-04-1Q10-A | 4/12/2010 | FS | NA | 0.0044 U[U] | NA | 0.00047 U[U] | NA | NA | **0.00078 J[J]** | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-97-04-1Q10-B | 4/12/2010 | FD | NA | 0.0044 U[U] | NA | 0.00047 U[U] | NA | NA | **0.00074 J[J]** | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-97-04-3Q10-A | 10/12/2010 | FS | NA | 0.0055 UJ[UJ] | NA | 0.00047 U[U] | NA | NA | 0.00066 U[U] | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-97-04-3Q10-B | 10/12/2010 | FD | NA | 0.0052 UJ[UJ] | NA | 0.00047 U[U] | NA | NA | 0.00066 U[U] | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201208 | ND11B-WTR-97-04-2012-A | 8/9/2012 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201208 | ND11B-WTR-97-04-2012-B | 8/9/2012 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201305 | ND11B-WTR97-04-2013-A | 5/21/2013 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201403 | ND11B-WTR97-04-2014-A | 5/13/2014 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201403 | ND11B-WTR97-04-2014-B | 5/13/2014 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201505 | ND11B-WTR97-04-2015-A | 5/5/2015 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201606 | NAAD11B-97-04-00 | 6/16/2016 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201705 | NAAD11B-97-04-00 | 5/5/2017 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201805 | NAAD11B-9704-00 | 5/22/2018 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201905 | NAAD11B-9704-00 | 5/1/2019 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 97-05 | 199711 | 97-05 | 11/9/1997 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199810 | 97-05 | 10/15/1998 | FS | 0.003 U[U] | 0.005 U[U] | **0.14** | 0.001 U[U] | 0.003 U[U] | **50** | 0.01 U[U] | 0.01 U[U] | 0.05 U[U] | 0.002 U[U] | **21** | 0.0002 U[U] | 0.01 U[U] | 0.005 U[U] | 0.01 U[U] | **0.0018** | 0.05 U[U] |
| | 199901 | 97-05 | 1/21/1999 | FS | 0.003 U[U] | 0.005 U[U] | **0.14** | 0.001 U[U] | 0.001 U[U] | **50** | 0.01 U[U] | 0.01 U[U] | **0.16** | 0.002 U[U] | **21** | 0.0002 U[U] | 0.01 U[U] | 0.005 U[U] | 0.01 U[U] | 0.001 U[U] | 0.05 U[U] |
| | 199904 | 97-05 | 4/22/1999 | FS | 0.5 U[U] | 0.5 U[U] | **0.13** | 0.002 U[U] | 0.005 U[U] | **50** | 0.01 U[U] | 0.015 U[U] | **0.031** | 0.1 U[U] | **19** | 0.0002 U[U] | 0.02 U[U] | 0.2 U[U] | 0.05 U[U] | 0.4 U[U] | 0.02 U[U] |
| | 199907 | 97-05 | 7/14/1999 | FS | 0.5 U[U] | 0.005 U[U] | **0.14** | 0.002 U[U] | 0.005 U[U] | **53** | 0.01 U[U] | 0.015 U[U] | **0.5** | 0.005 U[U] | **22** | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.05 U[U] | 0.4 U[U] | **0.04** |
| | 199910 | 97-05 | 10/15/1999 | FS | 0.5 U[U] | 0.005 U[U] | **0.12** | 0.002 U[U] | 0.005 U[U] | NA | 0.01 U[U] | 0.015 U[U] | NA | 0.005 U[U] | NA | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.05 U[U] | 0.4 U[U] | 0.02 U[U] |
| | 200011 | 97-05 | 2/17/2000 | FS | 0.004 U[U] | 0.005 U[U] | **0.15** | 0.002 U[U] | 0.005 U[U] | **55** | 0.01 U[U] | 0.015 U[U] | **0.08** | 0.005 U[U] | **24** | **0.0004** | 0.02 U[U] | 0.005 U[U] | 0.05 U[U] | 0.4 U[U] | 0.02 U[U] |
| | 200011 | 97-05 | 4/28/2000 | FS | 0.5 U[U] | 0.005 U[U] | **0.14** | 0.002 U[U] | 0.005 U[U] | **49** | 0.01 U[U] | 0.015 U[U] | **0.095** | 0.005 U[U] | **21** | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.04 U[U] | 0.4 U[U] | **0.03** |

**Table H-1**
**Cumulative Analytical Data**
**NAAD-11B**

| | | | | Analysis Group | Metals, Dissolved | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Analyte | Antimony | Arsenic | Barium | Beryllium | Cadmium | Calcium | Chromium | Copper | Iron | Lead | Magnesium | Mercury | Nickel | Selenium | Silver | Thallium | Zinc |
| | | | | CAS No. | 7440-36-0 | 7440-38-2 | 7440-39-3 | 7440-41-7 | 7440-43-9 | 7440-70-2 | 7440-47-3 | 7440-50-8 | 7439-89-6 | 7439-92-1 | 7439-95-4 | 7439-97-6 | 7440-02-0 | 7782-49-2 | 7440-22-4 | 7440-28-0 | 7440-66-6 |
| | | | | Units | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| | | | | PAL | 0.006 | 0.05 | 2 | 0.004 | 0.005 | NE | 0.1 | 0.8 | 14 | 0.05 | NE | 0.002 | 0.1 | 0.05 | 0.094 | 0.002 | 6 |
| Station | Event | Sample ID | Date | Type | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 97-05 | 200011 | 97-05 | 7/20/2000 | FS | 0.002 U[U] | 0.005 U[U] | **0.14** | 0.002 U[U] | 0.005 U[U] | **53** | 0.01 U[U] | 0.015 U[U] | **0.09** | 0.005 U[U] | **22** | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.04 U[U] | 0.4 U[U] | **0.03** |
| | 200011 | 97-05 | 11/3/2000 | FS | 0.004 U[U] | 0.005 U[U] | **0.18** | 0.002 U[U] | 0.005 U[U] | **70** | 0.01 U[U] | 0.015 U[U] | **0.09** | 0.005 U[U] | **30** | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.04 U[U] | 0.4 U[U] | 0.02 U[U] |
| | 200101 | 97-05 | 1/25/2001 | FS | 0.005 U[U] | 0.005 U[U] | **0.13** | 0.002 U[U] | 0.005 U[U] | **46** | 0.01 U[U] | 0.015 U[U] | **0.05** | 0.005 U[U] | **19** | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.04 U[U] | 0.4 U[U] | 0.02 U[U] |
| | 200104 | 97-05 | 4/25/2001 | FS | 0.004 U[U] | 0.005 U[U] | **0.12** | 0.002 U[U] | 0.005 U[U] | **47** | 0.005 U[U] | 0.015 U[U] | **0.03** | 0.005 U[U] | **18** | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.04 U[U] | 0.001 U[U] | 0.02 U[U] |
| | 200108 | 97-05 | 8/1/2001 | FS | 0.004 U[U] | 0.005 U[U] | **0.12** | 0.002 U[U] | 0.005 U[U] | **50** | 0.005 U[U] | 0.01 U[U] | **0.03** | 0.005 U[U] | **22** | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.04 U[U] | 0.001 U[U] | 0.02 U[U] |
| | 200511 | ND11B-WTR97-05-4Q05-A | 11/2/2005 | FS | NA | 0.0047 U[U] | NA | 0.0012 U[U] | NA | NA | 0.0009 U[U] | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200601 | ND11B-WTR97-05-1Q06-A | 1/30/2006 | FS | NA | 0.0076 U[U] | NA | 0.0003 U[U] | NA | NA | 0.0015 U[U] | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200604 | ND11B-WTR97-05-2Q06-A | 4/18/2006 | FS | NA | 0.0033 U[U] | NA | 0.00021 U[U] | NA | NA | 0.0023 U[U] | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200703 | ND11B-WTR97-05-1Q07-A | 3/6/2007 | FS | NA | 0.015 U[U] | NA | 0.005 U[U] | NA | NA | 0.01 U[U] | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200710 | ND11B-WTR97-05-4Q07-A | 10/19/2007 | FS | NA | 0.015 U[U] | NA | 0.005 U[U] | NA | NA | 0.01 U[U] | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200804 | ND11B-WTR97-05-1Q08-A | 4/9/2008 | FS | NA | 0.015 U[U] | NA | 0.005 U[U] | NA | NA | 0.01 U[U] | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200810 | ND11B-WTR-97-05-3Q08-A | 10/22/2008 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200903 | ND11B-WTR-97-05-1Q09-A | 4/8/2009 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200910 | ND11B-WTR-97-05-3Q09-A | 10/6/2009 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-97-05-1Q10-A | 4/12/2010 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-97-05-3Q10-A | 10/14/2010 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201208 | ND11B-WTR-97-05-2012-A | 8/10/2012 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201305 | ND11B-WTR97-05-2013-A | 5/21/2013 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201305 | ND11B-WTR97-05-2013-B | 5/21/2013 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201403 | ND11B-WTR97-05-2014-A | 5/13/2014 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201505 | ND11B-WTR97-05-2015-A | 5/6/2015 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201505 | ND11B-WTR97-05-2015-B | 5/6/2015 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201607 | NAAD11B-97-05-00 | 7/28/2016 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201705 | NAAD11B-97-05-00 | 5/6/2017 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201805 | NAAD11B-9705-00 | 5/23/2018 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201905 | NAAD11B-9705-00 | 5/3/2019 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 97-06 | 199711 | 97-06 | 11/9/1997 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199810 | 97-06 | 10/15/1998 | FS | 0.003 U[U] | 0.005 U[U] | **0.23** | 0.001 U[U] | 0.003 U[U] | **67** | 0.01 U[U] | 0.01 U[U] | 0.05 U[U] | 0.002 U[U] | **28** | 0.0002 U[U] | 0.01 U[U] | 0.005 U[U] | 0.01 U[U] | 0.001 U[U] | 0.05 U[U] |
| | 199901 | 97-06 | 1/20/1999 | FS | 0.003 U[U] | 0.005 U[U] | **0.2** | 0.001 U[U] | 0.001 U[U] | **59** | 0.01 U[U] | 0.01 U[U] | **0.12** | 0.002 U[U] | **25** | 0.0002 U[U] | 0.01 U[U] | 0.005 U[U] | 0.01 U[U] | 0.001 U[U] | 0.05 U[U] |
| | 199904 | 97-06 | 4/22/1999 | FS | 0.5 U[U] | 0.5 U[U] | **0.22** | 0.002 U[U] | 0.005 U[U] | **68** | 0.01 U[U] | 0.015 U[U] | **0.022** | 0.1 U[U] | **27** | 0.0002 U[U] | 0.02 U[U] | 0.2 U[U] | 0.05 U[U] | 0.4 U[U] | 0.02 U[U] |
| | 199907 | 97-06 | 7/13/1999 | FS | 0.5 U[U] | 0.005 U[U] | **0.22** | 0.002 U[U] | 0.005 U[U] | **64** | 0.01 U[U] | 0.015 U[U] | 0.015 U[U] | 0.005 U[U] | **29** | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.05 U[U] | 0.4 U[U] | 0.02 U[U] |
| | 199907 | 97-06 | 8/12/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199910 | 97-06 | 10/15/1999 | FS | 0.5 U[U] | 0.005 U[U] | **0.2** | 0.002 U[U] | 0.005 U[U] | NA | 0.01 U[U] | 0.015 U[U] | NA | 0.005 U[U] | NA | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.05 U[U] | 0.4 U[U] | 0.02 U[U] |
| | 200011 | 97-06 | 2/17/2000 | FS | 0.004 U[U] | 0.005 U[U] | **0.23** | 0.002 U[U] | 0.005 U[U] | **63** | 0.01 U[U] | 0.015 U[U] | **0.18** | 0.005 U[U] | **28** | **0.0004** | 0.02 U[U] | 0.005 U[U] | 0.05 U[U] | 0.4 U[U] | 0.02 U[U] |
| | 200011 | 97-06 | 4/28/2000 | FS | 0.5 U[U] | 0.005 U[U] | **0.19** | 0.002 U[U] | 0.005 U[U] | **61** | 0.01 U[U] | 0.015 U[U] | **0.085** | 0.005 U[U] | **27** | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.04 U[U] | 0.4 U[U] | **0.05** |
| | 200011 | 97-06 | 7/20/2000 | FS | 0.002 U[U] | 0.005 U[U] | **0.18** | 0.002 U[U] | 0.005 U[U] | **58** | 0.01 U[U] | 0.015 U[U] | **0.04** | 0.005 U[U] | **24** | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.04 U[U] | 0.4 U[U] | **0.04** |
| | 200011 | 97-06 | 11/3/2000 | FS | 0.004 U[U] | 0.005 U[U] | **0.26** | 0.002 U[U] | 0.005 U[U] | **76** | 0.01 U[U] | 0.015 U[U] | **0.17** | 0.005 U[U] | **34** | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.04 U[U] | 0.4 U[U] | 0.02 U[U] |
| | 200101 | 97-06 | 1/24/2001 | FS | 0.005 U[U] | 0.005 U[U] | **0.22** | 0.002 U[U] | 0.005 U[U] | **59** | 0.01 U[U] | 0.015 U[U] | **0.07** | 0.005 U[U] | **25** | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.04 U[U] | 0.4 U[U] | 0.02 U[U] |
| | 200104 | 97-06 | 4/25/2001 | FS | 0.004 U[U] | 0.005 U[U] | **0.16** | 0.002 U[U] | 0.005 U[U] | **55** | 0.005 U[U] | 0.015 U[U] | **0.04** | 0.005 U[U] | **22** | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.04 U[U] | 0.001 U[U] | 0.02 U[U] |
| | 200108 | 97-06 | 8/1/2001 | FS | 0.004 U[U] | 0.005 U[U] | **0.18** | 0.002 U[U] | 0.005 U[U] | **55** | 0.005 U[U] | 0.01 U[U] | **0.04** | 0.005 U[U] | **25** | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.04 U[U] | 0.001 U[U] | **0.09** |
| | 200203 | 97-06 | 3/12/2002 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200511 | ND11B-WTR97-06-4Q05-A | 11/2/2005 | FS | NA | 0.0047 U[U] | NA | 0.0012 U[U] | NA | NA | 0.0009 U[U] | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200601 | ND11B-WTR97-06-1Q06-A | 1/30/2006 | FS | NA | 0.0076 U[U] | NA | 0.0003 U[U] | NA | NA | 0.0015 U[U] | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**Table H-1**
**Cumulative Analytical Data**
**NAAD-11B**

| | | | | Analysis Group | Metals, Dissolved | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Analyte | Antimony | Arsenic | Barium | Beryllium | Cadmium | Calcium | Chromium | Copper | Iron | Lead | Magnesium | Mercury | Nickel | Selenium | Silver | Thallium | Zinc |
| | | | | CAS No. | 7440-36-0 | 7440-38-2 | 7440-39-3 | 7440-41-7 | 7440-43-9 | 7440-70-2 | 7440-47-3 | 7440-50-8 | 7439-89-6 | 7439-92-1 | 7439-95-4 | 7439-97-6 | 7440-02-0 | 7782-49-2 | 7440-22-4 | 7440-28-0 | 7440-66-6 |
| | | | | Units | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| | | | | PAL | 0.006 | 0.05 | 2 | 0.004 | 0.005 | NE | 0.1 | 0.8 | 14 | 0.05 | NE | 0.002 | 0.1 | 0.05 | 0.094 | 0.002 | 6 |
| Station | Event | Sample ID | Date | Type | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | 200604 | ND11B-WTR97-06-2Q06-A | 4/19/2006 | FS | NA | 0.0033 U[U] | NA | 0.0002 U[U] | NA | NA | 0.0023 U[U] | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200607 | ND11B-WTR97-06-3Q06-A | 7/11/2006 | FS | NA | 0.015 U[U] | NA | 0.005 U[U] | NA | NA | 0.01 U[U] | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200703 | ND11B-WTR97-06-1Q07-A | 3/7/2007 | FS | NA | 0.015 U[U] | NA | 0.005 U[U] | NA | NA | 0.01 U[U] | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200703 | ND11B-WTR97-06-1Q07-B | 3/7/2007 | FD | NA | 0.015 U[U] | NA | 0.005 U[U] | NA | NA | 0.01 U[U] | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200710 | ND11B-WTR97-06-4Q07-A | 10/18/2007 | FS | NA | 0.015 U[U] | NA | 0.005 U[U] | NA | NA | 0.01 U[U] | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200804 | ND11B-WTR97-06-1Q08-A | 4/8/2008 | FS | NA | **0.017** | NA | **0.0072** | NA | NA | 0.01 U[U] | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200810 | ND11B-WTR-97-06-3Q08-A | 10/22/2008 | FS | NA | 0.015 U[U] | NA | 0.005 U[U] | NA | NA | 0.01 U[U] | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200810 | ND11B-WTR-97-06-3Q08-B | 10/22/2008 | FD | NA | 0.015 U[U] | NA | 0.005 U[U] | NA | NA | 0.01 U[U] | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200903 | ND11B-WTR-97-06-1Q09-A | 4/7/2009 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200910 | ND11B-WTR-97-06-3Q09-A | 10/6/2009 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 97-06 | 201004 | ND11B-WTR-97-06-1Q10-A | 4/12/2010 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-97-06-3Q10-A | 10/12/2010 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201208 | ND11B-WTR-97-06-2012-A | 8/9/2012 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201305 | ND11B-WTR97-06-2013-A | 5/21/2013 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201403 | ND11B-WTR97-06-2014-A | 5/13/2014 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201403 | ND11B-WTR97-06-2014-B | 5/13/2014 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201505 | ND11B-WTR97-06-2015-A | 5/5/2015 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201606 | NAAD11B-97-06-00 | 6/16/2016 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201705 | NAAD11B-97-06-00 | 5/5/2017 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201805 | NAAD11B-9706-00 | 5/22/2018 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201905 | NAAD11B-9706-00 | 5/2/2019 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 97-07 | 201905 | NAAD11B-9707-00 | 5/2/2019 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199711 | 97-08 | 11/10/1997 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199810 | 97-08 | 10/15/1998 | FS | 0.003 U[U] | 0.005 U[U] | **0.15** | 0.001 U[U] | 0.003 U[U] | **54** | 0.01 U[U] | 0.01 U[U] | 0.05 U[U] | 0.002 U[U] | **24** | 0.0002 U[U] | 0.01 U[U] | 0.005 U[U] | 0.01 U[U] | 0.001 U[U] | 0.05 U[U] |
| | 199901 | 97-08 | 1/21/1999 | FS | 0.003 U[U] | 0.005 U[U] | **0.16** | 0.001 U[U] | 0.001 U[U] | **54** | 0.01 U[U] | 0.01 U[U] | 0.05 U[U] | 0.002 U[U] | **25** | 0.0002 U[U] | 0.01 U[U] | 0.005 U[U] | 0.01 U[U] | 0.001 U[U] | 0.05 U[U] |
| | 199904 | 97-08 | 4/22/1999 | FS | 0.5 U[U] | 0.5 U[U] | **0.14** | 0.002 U[U] | 0.005 U[U] | **54** | 0.01 U[U] | 0.015 U[U] | 0.015 U[U] | 0.1 U[U] | **22** | 0.0002 U[U] | 0.02 U[U] | 0.2 U[U] | 0.05 U[U] | 0.4 U[U] | 0.02 U[U] |
| | 199907 | 97-08 | 7/14/1999 | FS | 0.5 U[U] | 0.005 U[U] | **0.16** | 0.002 U[U] | 0.005 U[U] | **53** | 0.01 U[U] | 0.015 U[U] | **0.37** | 0.005 U[U] | **26** | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.05 U[U] | 0.4 U[U] | 0.02 U[U] |
| | 199910 | 97-08 | 10/15/1999 | FS | 0.5 U[U] | 0.005 U[U] | **0.15** | 0.002 U[U] | 0.005 U[U] | NA | 0.01 U[U] | 0.015 U[U] | NA | 0.005 U[U] | NA | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.05 U[U] | 0.4 U[U] | 0.02 U[U] |
| | 200011 | 97-08 | 2/17/2000 | FS | 0.004 U[U] | 0.005 U[U] | **0.18** | 0.002 U[U] | 0.005 U[U] | **57** | 0.01 U[U] | 0.015 U[U] | **0.12** | 0.005 U[U] | **27** | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.05 U[U] | 0.4 U[U] | 0.02 U[U] |
| | 200011 | 97-08 | 4/28/2000 | FS | 0.5 U[U] | 0.005 U[U] | **0.16** | 0.002 U[U] | 0.005 U[U] | **52** | 0.01 U[U] | 0.015 U[U] | **0.097** | **0.006** | **25** | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.04 U[U] | 0.4 U[U] | **0.04** |
| | 200011 | 97-08 | 7/20/2000 | FS | 0.002 U[U] | 0.005 U[U] | **0.15** | 0.002 U[U] | 0.005 U[U] | **52** | 0.01 U[U] | 0.015 U[U] | **0.04** | 0.005 U[U] | **25** | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.04 U[U] | 0.4 U[U] | **0.04** |
| | 200011 | 97-08 | 11/3/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 97-08 | 200101 | 97-08 | 1/25/2001 | FS | 0.005 U[U] | 0.005 U[U] | **0.16** | 0.002 U[U] | 0.005 U[U] | **44** | 0.01 U[U] | 0.015 U[U] | **0.36** | 0.005 U[U] | **20** | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.04 U[U] | 0.4 U[U] | 0.02 U[U] |
| | 200104 | 97-08 | 4/5/2001 | FS | 0.004 U[U] | 0.005 U[U] | **0.15** | 0.002 U[U] | 0.005 U[U] | **50** | 0.005 U[U] | 0.015 U[U] | **0.73** | 0.005 U[U] | **21** | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.04 U[U] | 0.001 U[U] | 0.02 U[U] |
| | 200104 | 97-08 | 4/25/2001 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200108 | 97-08 | 8/1/2001 | FS | 0.004 U[U] | 0.005 U[U] | **0.12** | 0.002 U[U] | 0.005 U[U] | **45** | 0.005 U[U] | 0.01 U[U] | **0.08** | 0.005 U[U] | **22** | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.04 U[U] | 0.001 U[U] | 0.02 U[U] |
| | 200203 | 97-08 | 3/12/2002 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200511 | ND11B-WTR97-08-4Q05-A | 11/1/2005 | FS | NA | **0.0059 J[J]** | NA | 0.0012 U[U] | NA | NA | 0.0009 U[U] | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200511 | ND11B-WTR97-08-4Q05-B | 11/1/2005 | FD | NA | 0.0047 U[U] | NA | 0.0012 U[U] | NA | NA | 0.0009 U[U] | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200601 | ND11B-WTR97-08-1Q06-A | 1/31/2006 | FS | NA | 0.0076 U[U] | NA | 0.0003 U[U] | NA | NA | 0.0015 U[U] | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200601 | ND11B-WTR97-08-1Q06-B | 1/31/2006 | FD | NA | 0.0076 U[U] | NA | 0.0003 U[U] | NA | NA | 0.0015 U[U] | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200604 | ND11B-WTR97-08-2Q06-A | 4/18/2006 | FS | NA | 0.0033 U[U] | NA | 0.0002 U[U] | NA | NA | 0.0023 U[U] | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200604 | ND11B-WTR97-08-2Q06-B | 4/18/2006 | FD | NA | 0.0033 U[U] | NA | 0.0002 U[U] | NA | NA | 0.0023 U[U] | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**Table H-1**
**Cumulative Analytical Data**
**NAAD-11B**

| | | | | Analysis Group | Metals, Dissolved | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Analyte | Antimony | Arsenic | Barium | Beryllium | Cadmium | Calcium | Chromium | Copper | Iron | Lead | Magnesium | Mercury | Nickel | Selenium | Silver | Thallium | Zinc |
| | | | | CAS No. | 7440-36-0 | 7440-38-2 | 7440-39-3 | 7440-41-7 | 7440-43-9 | 7440-70-2 | 7440-47-3 | 7440-50-8 | 7439-89-6 | 7439-92-1 | 7439-95-4 | 7439-97-6 | 7440-02-0 | 7782-49-2 | 7440-22-4 | 7440-28-0 | 7440-66-6 |
| | | | | Units | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| | | | | PAL | 0.006 | 0.05 | 2 | 0.004 | 0.005 | NE | 0.1 | 0.8 | 14 | 0.05 | NE | 0.002 | 0.1 | 0.05 | 0.094 | 0.002 | 6 |
| Station | Event | Sample ID | Date | Type | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 97-08 | 200607 | ND11B-WTR97-08-3Q06-A | 7/11/2006 | FS | NA | 0.015 U[U] | NA | 0.005 U[U] | NA | NA | 0.01 U[U] | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200703 | ND11B-WTR97-08-1Q07-A | 3/6/2007 | FS | NA | 0.015 U[U] | NA | 0.005 U[U] | NA | NA | 0.01 U[U] | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200710 | ND11B-WTR97-08-4Q07-A | 10/18/2007 | FS | NA | 0.015 U[U] | NA | 0.005 U[U] | NA | NA | 0.01 U[U] | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200710 | ND11B-WTR97-08-4Q07-B | 10/18/2007 | FD | NA | 0.015 U[U] | NA | 0.005 U[U] | NA | NA | 0.01 U[U] | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200804 | ND11B-WTR97-08-1Q08-A | 4/10/2008 | FS | NA | 0.015 U[U] | NA | 0.005 U[U] | NA | NA | 0.01 U[U] | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200804 | ND11B-WTR97-08-1Q08-B | 4/10/2008 | FD | NA | 0.015 U[U] | NA | 0.005 U[U] | NA | NA | 0.01 U[U] | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200810 | ND11B-WTR-97-08-3Q08-A | 10/22/2008 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200903 | ND11B-WTR-97-08-1Q09-A | 4/8/2009 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200910 | ND11B-WTR-97-08-3Q09-A | 10/5/2009 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-97-08-1Q10-A | 4/12/2010 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-97-08-3Q10-A | 10/13/2010 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201208 | ND11B-WTR-97-08-2012-A | 8/7/2012 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201305 | ND11B-WTR97-08-2013-A | 5/21/2013 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201403 | ND11B-WTR97-08-2014-A | 5/14/2014 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201505 | ND11B-WTR97-08-2015-A | 5/5/2015 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201505 | ND11B-WTR97-08-2015-B | 5/5/2015 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201607 | NAAD11B-97-08-00 | 7/27/2016 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201705 | NAAD11B-97-08-00 | 5/5/2017 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201805 | NAAD11B-9708-00 | 5/23/2018 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201805 | NAAD11B-9708-01 | 5/23/2018 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201905 | NAAD11B-9708-00 | 5/2/2019 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 97-09 | 199711 | 97-09 | 11/9/1997 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199810 | 97-09 | 10/14/1998 | FS | 0.003 U[U] | 0.005 U[U] | **0.11** | 0.001 U[U] | 0.003 U[U] | **52** | 0.01 U[U] | 0.01 U[U] | 0.05 U[U] | 0.002 U[U] | **25** | 0.0002 U[U] | 0.01 U[U] | 0.005 U[U] | 0.01 U[U] | 0.001 U[U] | 0.05 U[U] |
| | 199901 | 97-09 | 1/20/1999 | FS | 0.003 U[U] | 0.005 U[U] | **0.13** | 0.001 U[U] | 0.001 U[U] | **55** | 0.01 U[U] | 0.01 U[U] | **0.18** | 0.002 U[U] | **27** | 0.0002 U[U] | 0.01 U[U] | 0.005 U[U] | 0.01 U[U] | 0.001 U[U] | 0.05 U[U] |
| | 199904 | 97-09 | 4/21/1999 | FS | 0.5 U[U] | 0.5 U[U] | **0.1** | 0.002 U[U] | 0.005 U[U] | **48** | 0.01 U[U] | 0.015 U[U] | **0.054** | 0.1 U[U] | **22** | 0.0002 U[U] | 0.02 U[U] | 0.2 U[U] | 0.05 U[U] | 0.4 U[U] | 0.02 U[U] |
| | 199907 | 97-09 | 7/13/1999 | FS | 0.5 U[U] | 0.005 U[U] | **0.13** | 0.002 U[U] | 0.005 U[U] | **60** | 0.01 U[U] | 0.015 U[U] | 0.015 U[U] | 0.005 U[U] | **31** | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.05 U[U] | 0.4 U[U] | **0.03** |
| | 199907 | 97-09 | 8/12/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199910 | 97-09 | 10/15/1999 | FS | 0.5 U[U] | 0.005 U[U] | **0.1** | 0.002 U[U] | 0.005 U[U] | NA | 0.01 U[U] | 0.015 U[U] | NA | 0.005 U[U] | NA | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.05 U[U] | 0.4 U[U] | 0.02 U[U] |
| | 200011 | 97-09 | 2/17/2000 | FS | 0.004 U[U] | 0.005 U[U] | **0.15** | 0.002 U[U] | 0.005 U[U] | **60** | 0.01 U[U] | 0.015 U[U] | **0.08** | 0.005 U[U] | **31** | **0.0004** | 0.02 U[U] | 0.005 U[U] | 0.05 U[U] | 0.4 U[U] | 0.02 U[U] |
| | 200011 | 97-09 | 4/27/2000 | FS | 0.5 U[U] | 0.005 U[U] | **0.09** | 0.002 U[U] | 0.005 U[U] | **47** | 0.01 U[U] | 0.015 U[U] | **0.096** | 0.005 U[U] | **23** | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.04 U[U] | 0.4 U[U] | **0.04** |
| | 200011 | 97-09 | 7/19/2000 | FS | 0.002 U[U] | 0.005 U[U] | **0.16** | 0.002 U[U] | 0.005 U[U] | **61** | 0.01 U[U] | 0.015 U[U] | **0.04** | 0.005 U[U] | **36** | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.04 U[U] | 0.4 U[U] | **0.04** |
| | 200011 | 97-09 | 11/2/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200101 | 97-09 | 1/24/2001 | FS | 0.005 U[U] | 0.005 U[U] | **0.12** | 0.002 U[U] | 0.005 U[U] | **52** | 0.01 U[U] | 0.015 U[U] | **0.06** | 0.005 U[U] | **26** | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.04 U[U] | 0.4 U[U] | 0.02 U[U] |
| | 200104 | 97-09 | 4/25/2001 | FS | 0.004 U[U] | 0.005 U[U] | **0.09** | 0.002 U[U] | 0.005 U[U] | **49** | 0.005 U[U] | 0.015 U[U] | **0.06** | 0.005 U[U] | **23** | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.04 U[U] | 0.001 U[U] | 0.02 U[U] |
| | 200107 | 97-09 | 7/31/2001 | FS | 0.004 U[U] | 0.005 U[U] | **0.1** | 0.002 U[U] | 0.005 U[U] | **47** | 0.005 U[U] | 0.015 U[U] | **0.06** | 0.005 U[U] | **25** | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.04 U[U] | 0.001 U[U] | **0.03** |
| | 200203 | 97-09 | 3/12/2002 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200304 | 97-09 | 4/18/2003 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200511 | ND11B-WTR97-09-4Q05-A | 11/2/2005 | FS | NA | 0.0047 U[U] | NA | 0.0012 U[U] | NA | NA | 0.0009 U[U] | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200601 | ND11B-WTR97-09-1Q06-A | 1/31/2006 | FS | NA | 0.0076 U[U] | NA | 0.0003 U[U] | NA | NA | 0.0015 U[U] | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200604 | ND11B-WTR97-09-2Q06-A | 4/18/2006 | FS | NA | 0.0033 U[U] | NA | 0.0002 U[U] | NA | NA | 0.0023 U[U] | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200607 | ND11B-WTR97-09-3Q06-A | 7/11/2006 | FS | NA | 0.015 U[U] | NA | 0.005 U[U] | NA | NA | 0.01 U[U] | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200703 | ND11B-WTR97-09-1Q07-A | 3/7/2007 | FS | NA | 0.015 U[U] | NA | 0.005 U[U] | NA | NA | 0.01 U[U] | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200710 | ND11B-WTR97-09-4Q07-A | 10/18/2007 | FS | NA | 0.015 U[U] | NA | 0.005 U[U] | NA | NA | 0.01 U[U] | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**Table H-1**
**Cumulative Analytical Data**
**NAAD-11B**

| | | | | Analysis Group | Metals, Dissolved | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Analyte | Antimony | Arsenic | Barium | Beryllium | Cadmium | Calcium | Chromium | Copper | Iron | Lead | Magnesium | Mercury | Nickel | Selenium | Silver | Thallium | Zinc |
| | | | | CAS No. | 7440-36-0 | 7440-38-2 | 7440-39-3 | 7440-41-7 | 7440-43-9 | 7440-70-2 | 7440-47-3 | 7440-50-8 | 7439-89-6 | 7439-92-1 | 7439-95-4 | 7439-97-6 | 7440-02-0 | 7782-49-2 | 7440-22-4 | 7440-28-0 | 7440-66-6 |
| | | | | Units | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| | | | | PAL | 0.006 | 0.05 | 2 | 0.004 | 0.005 | NE | 0.1 | 0.8 | 14 | 0.05 | NE | 0.002 | 0.1 | 0.05 | 0.094 | 0.002 | 6 |
| Station | Event | Sample ID | Date | Type | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 97-09 | 200804 | ND11B-WTR97-09-1Q08-A | 4/10/2008 | FS | NA | 0.015 U[U] | NA | 0.005 U[U] | NA | NA | 0.01 U[U] | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200810 | ND11B-WTR-97-09-3Q08-A | 10/23/2008 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200903 | ND11B-WTR-97-09-1Q09-A | 4/7/2009 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200910 | ND11B-WTR-97-09-3Q09-A | 10/6/2009 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200910 | ND11B-WTR-97-09-3Q09-B | 10/6/2009 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-97-09-1Q10-A | 4/14/2010 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-97-09-3Q10-A | 10/12/2010 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201208 | ND11B-WTR-97-09-2012-A | 8/10/2012 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201305 | ND11B-WTR97-09-2013-A | 5/21/2013 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201403 | ND11B-WTR97-09-2014-A | 5/12/2014 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201505 | ND11B-WTR97-09-2015-A | 5/5/2015 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201606 | NAAD11B-97-09-00 | 6/16/2016 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201705 | NAAD11B-97-09-00 | 5/5/2017 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201805 | NAAD11B-9709-00 | 5/21/2018 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201905 | NAAD11B-9709-00 | 5/2/2019 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 97-10 | 199711 | 97-10 | 11/9/1997 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199810 | 97-10 | 10/14/1998 | FS | 0.003 U[U] | 0.005 U[U] | **0.035** | 0.001 U[U] | 0.003 U[U] | **29** | 0.01 U[U] | 0.01 U[U] | 0.05 U[U] | 0.002 U[U] | **13** | 0.0002 U[U] | 0.01 U[U] | 0.005 U[U] | 0.01 U[U] | 0.001 U[U] | 0.05 U[U] |
| | 199901 | 97-10 | 1/20/1999 | FS | 0.003 U[U] | 0.005 U[U] | **0.039** | 0.001 U[U] | 0.001 U[U] | **28** | 0.01 U[U] | 0.01 U[U] | **0.39** | 0.002 U[U] | **13** | 0.0002 U[U] | 0.01 U[U] | 0.005 U[U] | 0.01 U[U] | 0.001 U[U] | 0.05 U[U] |
| | 199904 | 97-10 | 4/20/1999 | FS | 0.5 U[U] | 0.5 U[U] | **0.04** | 0.002 U[U] | 0.005 U[U] | **28** | 0.01 U[U] | 0.015 U[U] | **0.06** | 0.1 U[U] | **13** | 0.0002 U[U] | 0.02 U[U] | 0.2 U[U] | 0.05 U[U] | 0.4 U[U] | 0.02 U[U] |
| | 199907 | 97-10 | 7/12/1999 | FS | 0.5 U[U] | 0.005 U[U] | **0.05** | 0.002 U[U] | 0.005 U[U] | **30** | 0.01 U[U] | 0.015 U[U] | **0.45** | **0.009** | **15** | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.05 U[U] | 0.4 U[U] | 0.02 U[U] |
| | 199910 | 97-10 | 10/15/1999 | FS | 0.5 U[U] | 0.005 U[U] | **0.04** | 0.002 U[U] | 0.005 U[U] | NA | 0.01 U[U] | 0.015 U[U] | NA | 0.005 U[U] | NA | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.05 U[U] | 0.4 U[U] | 0.02 U[U] |
| | 200011 | 97-10 | 2/17/2000 | FS | 0.004 U[U] | 0.005 U[U] | **0.04** | 0.002 U[U] | 0.005 U[U] | **30** | 0.01 U[U] | 0.015 U[U] | **0.05** | 0.005 U[U] | **14** | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.05 U[U] | 0.4 U[U] | 0.02 U[U] |
| | 200011 | 97-10 | 4/27/2000 | FS | 0.5 U[U] | 0.005 U[U] | **0.04** | 0.002 U[U] | 0.005 U[U] | **29** | 0.01 U[U] | 0.015 U[U] | **0.1** | 0.005 U[U] | **14** | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.04 U[U] | 0.4 U[U] | **0.04** |
| | 200011 | 97-10 | 7/19/2000 | FS | 0.002 U[U] | 0.005 U[U] | **0.05** | 0.002 U[U] | 0.005 U[U] | **32** | 0.01 U[U] | 0.015 U[U] | **0.04** | 0.005 U[U] | **17** | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.04 U[U] | 0.4 U[U] | **0.06** |
| | 200011 | 97-10 | 11/2/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200101 | 97-10 | 1/24/2001 | FS | 0.005 U[U] | 0.005 U[U] | **0.03** | 0.002 U[U] | 0.005 U[U] | **27** | 0.01 U[U] | 0.015 U[U] | **0.04** | 0.005 U[U] | **13** | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.04 U[U] | 0.4 U[U] | 0.02 U[U] |
| | 200104 | 97-10 | 4/24/2001 | FS | 0.004 U[U] | 0.005 U[U] | **0.03** | 0.002 U[U] | 0.005 U[U] | **29** | 0.005 U[U] | 0.015 U[U] | **0.04** | 0.005 U[U] | **13** | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.04 U[U] | 0.001 U[U] | 0.02 U[U] |
| | 200107 | 97-10 | 7/31/2001 | FS | 0.004 U[U] | 0.005 U[U] | **0.03** | 0.002 U[U] | 0.005 U[U] | **26** | 0.005 U[U] | 0.015 U[U] | **0.04** | 0.005 U[U] | **12** | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.04 U[U] | 0.001 U[U] | **0.07** |
| | 200304 | 97-10 | 4/18/2003 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 98-01 | 199810 | 98-01 | 10/14/1998 | FS | 0.003 U[U] | 0.005 U[U] | **1.7** | 0.001 U[U] | 0.003 U[U] | **34** | 0.01 U[U] | 0.01 U[U] | 0.05 U[U] | 0.002 U[U] | **14** | 0.0002 U[U] | 0.01 U[U] | 0.005 U[U] | 0.01 U[U] | 0.001 U[U] | **0.13** |
| | 199901 | 98-01 | 1/20/1999 | FS | 0.003 U[U] | 0.005 U[U] | **0.065** | 0.001 U[U] | 0.001 U[U] | **33** | 0.01 U[U] | 0.01 U[U] | **0.86** | 0.002 U[U] | **14** | 0.0002 U[U] | 0.01 U[U] | 0.005 U[U] | 0.01 U[U] | 0.001 U[U] | 0.05 U[U] |
| | 199904 | 98-01 | 4/20/1999 | FS | 0.5 U[U] | 0.5 U[U] | **0.07** | 0.002 U[U] | 0.005 U[U] | **35** | 0.01 U[U] | 0.015 U[U] | **0.51** | 0.1 U[U] | **14** | 0.0002 U[U] | 0.02 U[U] | 0.2 U[U] | 0.05 U[U] | 0.4 U[U] | 0.02 U[U] |
| | 199907 | 98-01 | 7/12/1999 | FS | 0.5 U[U] | 0.005 U[U] | **0.14** | 0.002 U[U] | 0.005 U[U] | **36** | 0.01 U[U] | 0.015 U[U] | **1.87** | **0.009** | **16** | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.05 U[U] | 0.4 U[U] | **0.03** |
| | 199910 | 98-01 | 10/15/1999 | FS | 0.5 U[U] | 0.005 U[U] | **0.08** | 0.002 U[U] | 0.005 U[U] | NA | 0.01 U[U] | 0.015 U[U] | NA | 0.005 U[U] | NA | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.05 U[U] | 0.4 U[U] | 0.02 U[U] |
| | 200011 | 98-01 | 2/17/2000 | FS | 0.004 U[U] | 0.005 U[U] | **0.08** | 0.002 U[U] | 0.005 U[U] | **32** | 0.01 U[U] | 0.015 U[U] | **0.07** | 0.005 U[U] | **14** | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.05 U[U] | 0.4 U[U] | 0.02 U[U] |
| | 200011 | 98-01 | 4/27/2000 | FS | 0.5 U[U] | 0.005 U[U] | **0.14** | 0.002 U[U] | 0.005 U[U] | **37** | **0.011** | 0.015 U[U] | **3.93** | 0.005 U[U] | **16** | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.04 U[U] | 0.4 U[U] | **0.18** |
| | 200011 | 98-01 | 7/19/2000 | FS | 0.002 U[U] | 0.005 U[U] | **0.08** | 0.002 U[U] | 0.005 U[U] | **34** | 0.01 U[U] | 0.015 U[U] | **0.03** | 0.005 U[U] | **17** | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.04 U[U] | 0.4 U[U] | **0.05** |
| | 200011 | 98-01 | 11/2/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200101 | 98-01 | 1/24/2001 | FS | 0.005 U[U] | 0.005 U[U] | **0.06** | 0.002 U[U] | 0.005 U[U] | **31** | 0.01 U[U] | 0.015 U[U] | **0.03** | 0.005 U[U] | **13** | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.04 U[U] | 0.4 U[U] | 0.02 U[U] |
| | 200104 | 98-01 | 4/24/2001 | FS | 0.004 U[U] | 0.005 U[U] | **0.06** | 0.002 U[U] | 0.005 U[U] | **32** | 0.005 U[U] | 0.015 U[U] | **0.89** | 0.005 U[U] | **12** | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.04 U[U] | 0.001 U[U] | 0.02 U[U] |
| | 200107 | 98-01 | 7/31/2001 | FS | 0.004 U[U] | 0.005 U[U] | **0.06** | 0.002 U[U] | 0.005 U[U] | **29** | 0.005 U[U] | 0.015 U[U] | **0.18** | **0.006** | **13** | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.04 U[U] | 0.001 U[U] | **0.04** |
| | 200111 | 98-01 | 11/14/2001 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200304 | 98-01 | 4/18/2003 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**Table H-1**
**Cumulative Analytical Data**
**NAAD-11B**

| | | | | Analysis Group | Metals, Dissolved | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Analyte | Antimony | Arsenic | Barium | Beryllium | Cadmium | Calcium | Chromium | Copper | Iron | Lead | Magnesium | Mercury | Nickel | Selenium | Silver | Thallium | Zinc |
| | | | | CAS No. | 7440-36-0 | 7440-38-2 | 7440-39-3 | 7440-41-7 | 7440-43-9 | 7440-70-2 | 7440-47-3 | 7440-50-8 | 7439-89-6 | 7439-92-1 | 7439-95-4 | 7439-97-6 | 7440-02-0 | 7782-49-2 | 7440-22-4 | 7440-28-0 | 7440-66-6 |
| | | | | Units | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| | | | | PAL | 0.006 | 0.05 | 2 | 0.004 | 0.005 | NE | 0.1 | 0.8 | 14 | 0.05 | NE | 0.002 | 0.1 | 0.05 | 0.094 | 0.002 | 6 |
| Station | Event | Sample ID | Date | Type | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 98-02 | 199810 | 98-02 | 10/14/1998 | FS | 0.003 U[U] | 0.005 U[U] | **1.1** | 0.001 U[U] | 0.003 U[U] | **62** | 0.01 U[U] | 0.01 U[U] | 0.05 U[U] | 0.002 U[U] | **30** | 0.0002 U[U] | 0.01 U[U] | 0.005 U[U] | 0.01 U[U] | 0.001 U[U] | **0.3** |
| | 199901 | 98-02 | 1/20/1999 | FS | 0.003 U[U] | 0.005 U[U] | **0.16** | 0.001 U[U] | 0.001 U[U] | **64** | 0.01 U[U] | 0.01 U[U] | **1.2** | 0.002 U[U] | **32** | 0.0002 U[U] | 0.01 U[U] | 0.005 U[U] | 0.01 U[U] | 0.001 U[U] | 0.05 U[U] |
| | 199904 | 98-02 | 4/20/1999 | FS | 0.5 U[U] | 0.5 U[U] | **0.17** | 0.002 U[U] | 0.005 U[U] | **76** | 0.01 U[U] | 0.015 U[U] | **0.36** | 0.1 U[U] | **37** | 0.0002 U[U] | 0.02 U[U] | 0.2 U[U] | 0.05 U[U] | 0.4 U[U] | 0.02 U[U] |
| | 199907 | 98-02 | 7/12/1999 | FS | 0.5 U[U] | 0.005 U[U] | **0.26** | 0.002 U[U] | 0.005 U[U] | **63** | 0.01 U[U] | 0.015 U[U] | **1.81** | **0.012** | **34** | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.05 U[U] | 0.4 U[U] | **0.04** |
| | 199910 | 98-02 | 10/15/1999 | FS | 0.5 U[U] | 0.005 U[U] | **0.16** | 0.002 U[U] | 0.005 U[U] | NA | 0.01 U[U] | 0.015 U[U] | NA | 0.005 U[U] | NA | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.05 U[U] | 0.4 U[U] | 0.02 U[U] |
| | 200011 | 98-02 | 2/17/2000 | FS | 0.004 U[U] | 0.005 U[U] | **0.15** | 0.002 U[U] | 0.005 U[U] | **51** | 0.01 U[U] | **0.018** | **0.07** | 0.005 U[U] | **25** | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.05 U[U] | 0.4 U[U] | 0.02 U[U] |
| | 200011 | 98-02 | 4/27/2000 | FS | 0.5 U[U] | 0.005 U[U] | **0.2** | 0.002 U[U] | 0.005 U[U] | **71** | 0.01 U[U] | 0.015 U[U] | **0.23** | 0.005 U[U] | **37** | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.04 U[U] | 0.4 U[U] | **0.06** |
| | 200011 | 98-02 | 7/19/2000 | FS | 0.002 U[U] | 0.005 U[U] | **0.16** | 0.002 U[U] | 0.005 U[U] | **53** | 0.01 U[U] | 0.015 U[U] | **0.04** | 0.005 U[U] | **30** | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.04 U[U] | 0.4 U[U] | **0.04** |
| | 200011 | 98-02 | 11/2/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200101 | 98-02 | 1/24/2001 | FS | 0.005 U[U] | 0.005 U[U] | **0.14** | 0.002 U[U] | 0.005 U[U] | **56** | 0.01 U[U] | 0.015 U[U] | **0.06** | 0.005 U[U] | **28** | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.04 U[U] | 0.4 U[U] | 0.02 U[U] |
| | 200104 | 98-02 | 4/25/2001 | FS | 0.004 U[U] | 0.005 U[U] | **0.14** | 0.002 U[U] | 0.005 U[U] | **70** | 0.005 U[U] | 0.015 U[U] | **0.05** | 0.005 U[U] | **34** | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.04 U[U] | 0.001 U[U] | 0.02 U[U] |
| | 200107 | 98-02 | 7/31/2001 | FS | 0.004 U[U] | 0.005 U[U] | **0.14** | 0.002 U[U] | 0.005 U[U] | **56** | 0.005 U[U] | 0.015 U[U] | **0.06** | 0.005 U[U] | **28** | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.04 U[U] | 0.001 U[U] | **0.03** |
| | 200111 | 98-02 | 11/14/2001 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200304 | 98-02 | 4/18/2003 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200511 | ND11B-WTR98-02-4Q05-A | 11/2/2005 | FS | NA | 0.0047 U[U] | NA | 0.0012 U[U] | NA | NA | 0.0009 U[U] | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200601 | ND11B-WTR98-02-1Q06-A | 1/31/2006 | FS | NA | 0.0076 U[U] | NA | 0.0003 U[U] | NA | NA | 0.0015 U[U] | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200604 | ND11B-WTR98-02-2Q06-A | 4/18/2006 | FS | NA | **0.0037 J[J]** | NA | 0.0002 U[U] | NA | NA | 0.0023 U[U] | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200607 | ND11B-WTR98-02-3Q06-A | 7/11/2006 | FS | NA | 0.015 U[U] | NA | 0.005 U[U] | NA | NA | 0.01 U[U] | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200607 | ND11B-WTR98-02-3Q06-B | 7/11/2006 | FD | NA | 0.015 U[U] | NA | 0.005 U[U] | NA | NA | 0.01 U[U] | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200703 | ND11B-WTR98-02-1Q07-A | 3/7/2007 | FS | NA | 0.015 U[U] | NA | 0.005 U[U] | NA | NA | 0.01 U[U] | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200710 | ND11B-WTR98-02-4Q07-A | 10/18/2007 | FS | NA | 0.015 U[U] | NA | 0.005 U[U] | NA | NA | 0.01 U[U] | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200804 | ND11B-WTR98-02-1Q08-A | 4/10/2008 | FS | NA | 0.015 U[U] | NA | 0.005 U[U] | NA | NA | 0.01 U[U] | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200810 | ND11B-WTR-98-02-3Q08-A | 10/23/2008 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200903 | ND11B-WTR-98-02-1Q09-A | 4/7/2009 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200910 | ND11B-WTR-98-02-3Q09-A | 10/6/2009 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-98-02-1Q10-A | 4/14/2010 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-98-02-3Q10-A | 10/12/2010 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201208 | ND11B-WTR-98-02-2012-A | 8/9/2012 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 98-03 | 199810 | 98-03 | 10/15/1998 | FS | 0.003 U[U] | 0.005 U[U] | **0.94** | 0.001 U[U] | 0.003 U[U] | **39** | 0.01 U[U] | 0.01 U[U] | 0.05 U[U] | 0.002 U[U] | **13** | 0.0002 U[U] | 0.01 U[U] | 0.005 U[U] | 0.01 U[U] | 0.001 U[U] | **0.22** |
| | 199901 | 98-03 | 1/21/1999 | FS | 0.003 U[U] | 0.005 U[U] | **0.089** | 0.001 U[U] | 0.001 U[U] | **38** | 0.01 U[U] | 0.01 U[U] | **1.2** | 0.002 U[U] | **13** | 0.0002 U[U] | 0.01 U[U] | 0.005 U[U] | 0.01 U[U] | 0.001 U[U] | 0.05 U[U] |
| | 199904 | 98-03 | 4/22/1999 | FS | 0.5 U[U] | 0.5 U[U] | **0.17** | 0.002 U[U] | 0.005 U[U] | **48** | 0.01 U[U] | 0.015 U[U] | **0.28** | 0.1 U[U] | **15** | 0.0002 U[U] | 0.02 U[U] | 0.2 U[U] | 0.05 U[U] | 0.4 U[U] | 0.02 U[U] |
| | 199907 | 98-03 | 7/13/1999 | FS | 0.5 U[U] | 0.005 U[U] | **0.09** | 0.002 U[U] | 0.005 U[U] | **39** | 0.01 U[U] | 0.015 U[U] | **0.51** | 0.005 U[U] | **14** | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.05 U[U] | 0.4 U[U] | 0.02 U[U] |
| | 199907 | 98-03 | 8/12/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199910 | 98-03 | 10/15/1999 | FS | 0.5 U[U] | 0.005 U[U] | **0.14** | 0.002 U[U] | 0.005 U[U] | NA | 0.01 U[U] | 0.015 U[U] | NA | **0.01** | NA | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.05 U[U] | 0.4 U[U] | 0.02 U[U] |
| | 200011 | 98-03 | 4/28/2000 | FS | 0.5 U[U] | 0.005 U[U] | **0.55** | **0.004** | 0.005 U[U] | **36** | **0.084** | **0.078** | **0.54** | 0.005 U[U] | **13** | 0.0002 U[U] | **0.07** | 0.005 U[U] | 0.04 U[U] | 0.4 U[U] | **0.24** |
| | 200104 | 98-03 | 4/25/2001 | FS | 0.004 U[U] | 0.005 U[U] | **0.08** | 0.002 U[U] | 0.005 U[U] | **42** | 0.005 U[U] | 0.015 U[U] | **0.34** | 0.005 U[U] | **13** | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.04 U[U] | 0.001 U[U] | 0.02 U[U] |
| | 200511 | ND11B-WTR98-03-4Q05-A | 11/2/2005 | FS | NA | 0.0047 U[U] | NA | 0.0012 U[U] | NA | NA | 0.0009 U[U] | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200804 | ND11B-WTR98-03-1Q08-A | 4/9/2008 | FS | NA | 0.015 U[U] | NA | 0.005 U[U] | NA | NA | 0.01 U[U] | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200903 | ND11B-WTR-98-03-1Q09-A | 4/7/2009 | FS | NA | 0.015 U[U] | NA | 0.005 U[U] | NA | NA | 0.01 U[U] | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-98-03-1Q10-A | 4/14/2010 | FS | NA | 0.0044 U[U] | NA | 0.00047 U[U] | NA | NA | 0.00066 U[U] | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-98-03-3Q10-A | 10/13/2010 | FS | NA | 0.0044 U[U] | NA | 0.00047 U[U] | NA | NA | 0.00066 U[U] | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201208 | ND11B-WTR-98-03-2012-A | 8/10/2012 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201305 | ND11B-WTR98-03-2013-A | 5/21/2013 | FS | NA | **0.002 [J]** | NA | 0.00008 U[U] | NA | NA | **0.0005 [J]** | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**Table H-1**
**Cumulative Analytical Data**
**NAAD-11B**

| | | | | Analysis Group | Metals, Dissolved | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Analyte | Antimony | Arsenic | Barium | Beryllium | Cadmium | Calcium | Chromium | Copper | Iron | Lead | Magnesium | Mercury | Nickel | Selenium | Silver | Thallium | Zinc |
| | | | | CAS No. | 7440-36-0 | 7440-38-2 | 7440-39-3 | 7440-41-7 | 7440-43-9 | 7440-70-2 | 7440-47-3 | 7440-50-8 | 7439-89-6 | 7439-92-1 | 7439-95-4 | 7439-97-6 | 7440-02-0 | 7782-49-2 | 7440-22-4 | 7440-28-0 | 7440-66-6 |
| | | | | Units | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| | | | | PAL | 0.006 | 0.05 | 2 | 0.004 | 0.005 | NE | 0.1 | 0.8 | 14 | 0.05 | NE | 0.002 | 0.1 | 0.05 | 0.094 | 0.002 | 6 |
| Station | Event | Sample ID | Date | Type | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 98-03 | 201403 | ND11B-WTR98-03-2014-A | 5/14/2014 | FS | NA | **0.0039 J[J]** | NA | 0.00008 U[U] | NA | NA | 0.0005 U[U] | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201505 | ND11B-WTR98-03-2015-A | 5/5/2015 | FS | NA | **0.0018 J[J]** | NA | 0.001 U[U] | NA | NA | 0.002 U[U] | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201607 | NAAD11B-98-03-00 | 7/27/2016 | FS | NA | **0.0018 J[J]** | NA | 0.0012 U[U] | NA | NA | 0.0026 U[U] | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201705 | NAAD11B-98-03-00 | 5/5/2017 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201705 | NAAD11B-98-03-01 | 5/5/2017 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201905 | NAAD11B-9803-00 | 5/3/2019 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 99-03 | 199904 | 99-03 | 4/6/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199904 | 99-03 | 4/22/1999 | FS | 0.5 U[U] | 0.5 U[U] | **0.29** | 0.002 U[U] | 0.005 U[U] | **62** | 0.01 U[U] | 0.015 U[U] | **0.745** | 0.1 U[U] | **18** | 0.0002 U[U] | 0.02 U[U] | 0.2 U[U] | 0.05 U[U] | 0.4 U[U] | **0.05** |
| | 199907 | 99-03 | 7/13/1999 | FS | 0.5 U[U] | 0.005 U[U] | **0.17** | 0.002 U[U] | 0.005 U[U] | **56** | 0.01 U[U] | 0.015 U[U] | **0.36** | 0.005 U[U] | **18** | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.05 U[U] | 0.4 U[U] | 0.02 U[U] |
| | 199907 | 99-03 | 8/12/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199910 | 99-03 | 10/15/1999 | FS | 0.5 U[U] | 0.005 U[U] | **0.32** | 0.002 U[U] | 0.005 U[U] | NA | 0.01 U[U] | 0.015 U[U] | NA | 0.005 U[U] | NA | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.05 U[U] | 0.4 U[U] | 0.02 U[U] |
| | 200011 | 99-03 | 2/17/2000 | FS | 0.004 U[U] | 0.005 U[U] | **0.17** | 0.002 U[U] | 0.005 U[U] | **56** | 0.01 U[U] | 0.015 U[U] | **0.1** | 0.005 U[U] | **18** | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.05 U[U] | 0.4 U[U] | 0.02 U[U] |
| | 200011 | 99-03 | 4/28/2000 | FS | 0.5 U[U] | 0.005 U[U] | **0.35** | 0.002 U[U] | 0.005 U[U] | **58** | **0.025** | **0.024** | **0.1** | 0.005 U[U] | **18** | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.04 U[U] | 0.4 U[U] | **0.16** |
| | 200011 | 99-03 | 7/20/2000 | FS | 0.002 U[U] | 0.005 U[U] | **0.12** | 0.002 U[U] | 0.005 U[U] | **53** | 0.01 U[U] | 0.015 U[U] | **0.09** | 0.005 U[U] | **16** | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.04 U[U] | 0.4 U[U] | **0.06** |
| | 200011 | 99-03 | 11/3/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200101 | 99-03 | 1/24/2001 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200104 | 99-03 | 4/25/2001 | FS | 0.004 U[U] | 0.005 U[U] | **0.15** | 0.002 U[U] | 0.005 U[U] | **48** | 0.005 U[U] | 0.015 U[U] | **0.74** | 0.005 U[U] | **14** | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.04 U[U] | 0.001 U[U] | 0.02 U[U] |
| | 200108 | 99-03 | 8/1/2001 | FS | 0.004 U[U] | 0.005 U[U] | **0.09** | 0.002 U[U] | 0.005 U[U] | **35** | 0.005 U[U] | 0.01 U[U] | **0.05** | 0.005 U[U] | **11** | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.04 U[U] | 0.001 U[U] | 0.02 U[U] |
| | 200111 | 99-03 | 11/14/2001 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200703 | ND11B-WTR99-03-1Q07-A | 3/7/2007 | FS | NA | 0.015 U[U] | NA | 0.005 U[U] | NA | NA | 0.01 U[U] | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200710 | ND11B-WTR99-03-4Q07-A | 10/19/2007 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200804 | ND11B-WTR99-03-1Q08-A | 4/8/2008 | FS | NA | 0.015 U[U] | NA | 0.005 U[U] | NA | NA | 0.01 U[U] | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200810 | ND11B-WTR-99-03-3Q08-A | 10/22/2008 | FS | NA | 0.015 U[U] | NA | 0.005 U[U] | NA | NA | 0.01 U[U] | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200903 | ND11B-WTR-99-03-1Q09-A | 4/7/2009 | FS | NA | 0.015 U[U] | NA | 0.005 U[U] | NA | NA | 0.01 U[U] | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200910 | ND11B-WTR-99-03-3Q09-A | 10/6/2009 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-99-03-1Q10-A | 4/13/2010 | FS | NA | 0.0044 U[U] | NA | 0.00047 U[U] | NA | NA | **0.0011 J[J]** | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-99-03-3Q10-A | 10/13/2010 | FS | NA | 0.0044 U[U] | NA | 0.00047 U[U] | NA | NA | 0.00066 U[U] | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201208 | ND11B-WTR-99-03-2012-A | 8/10/2012 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201305 | ND11B-WTR99-03-2013-A | 5/21/2013 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201403 | ND11B-WTR99-03-2014-A | 5/14/2014 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201505 | ND11B-WTR99-03-2015-A | 5/5/2015 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201606 | NAAD11B-99-03-00 | 6/15/2016 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201606 | NAAD11B-99-03-01 | 6/15/2016 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201705 | NAAD11B-99-03-00 | 5/5/2017 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201705 | NAAD11B-99-03-01 | 5/5/2017 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201805 | NAAD11B-9903-00 | 5/22/2018 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201905 | NAAD11B-9903-00 | 5/2/2019 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**Table H-1**
**Cumulative Analytical Data**
**NAAD-11B**

| | | | | Analysis Group | Metals, Total | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Analyte | Antimony | Arsenic | Barium | Beryllium | Cadmium | Calcium | Chromium | Copper | Iron | Lead | Magnesium | Mercury | Nickel | Selenium | Silver | Thallium | Zinc |
| | | | | CAS No. | 7440-36-0 | 7440-38-2 | 7440-39-3 | 7440-41-7 | 7440-43-9 | 7440-70-2 | 7440-47-3 | 7440-50-8 | 7439-89-6 | 7439-92-1 | 7439-95-4 | 7439-97-6 | 7440-02-0 | 7782-49-2 | 7440-22-4 | 7440-28-0 | 7440-66-6 |
| | | | | Units | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| | | | | PAL | 0.006 | 0.05 | 2 | 0.004 | 0.005 | NE | 0.1 | 0.8 | 14 | 0.05 | NE | 0.002 | 0.1 | 0.05 | 0.094 | 0.002 | 6 |
| Station | Event | Sample ID | Date | Type | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 00-01 | 200011 | 00-01 | 11/3/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200101 | 00-01 | 1/25/2001 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200104 | 00-01 | 4/25/2001 | FS | 0.004 U[U] | 0.005 U[U] | **0.08** | 0.002 U[U] | 0.005 U[U] | **51** | 0.005 U[U] | 0.015 U[U] | **0.84** | 0.005 U[U] | **19** | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.04 U[U] | 0.001 U[U] | 0.02 U[U] |
| | 200108 | 00-01 | 8/1/2001 | FS | 0.004 U[U] | 0.005 U[U] | **0.24** | **0.002** | 0.005 U[U] | **46** | 0.005 U[U] | 0.01 U[U] | **80.8** | **0.013** | **22** | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.04 U[U] | 0.001 U[U] | **0.23** |
| | 200511 | ND11B-WTR00-01-4Q05-A | 11/2/2005 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200601 | ND11B-WTR00-01-1Q06-A | 2/1/2006 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200604 | ND11B-WTR00-01-2Q06-A | 4/19/2006 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200710 | ND11B-WTR00-01-4Q07-A | 10/18/2007 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200804 | ND11B-WTR00-01-1Q08-A | 4/9/2008 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200810 | ND11B-WTR-00-01-3Q08-A | 10/21/2008 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200903 | ND11B-WTR-00-01-1Q09-A | 4/7/2009 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200910 | ND11B-WTR-00-01-3Q09-A | 10/5/2009 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-00-01-1Q10-A | 4/14/2010 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-00-01-3Q10-A | 10/13/2010 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201208 | ND11B-WTR-00-01-2012-A | 8/10/2012 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201208 | ND11B-WTR-00-01-2012-B | 8/10/2012 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201305 | ND11B-WTR00-01-2013-A | 5/22/2013 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201403 | ND11B-WTR00-01-2014-A | 5/14/2014 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201505 | ND11B-WTR00-01-2015-A | 5/5/2015 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201607 | NAAD11B-00-01-00 | 7/27/2016 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201607 | NAAD11B-00-01-01 | 7/27/2016 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201705 | NAAD11B-00-01-00 | 5/6/2017 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201805 | NAAD11B-0001-00 | 5/23/2018 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201905 | NAAD11B-0001-00 | 5/2/2019 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201905 | NAAD11B-0001-01 | 5/2/2019 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 00-02 | 200011 | 00-02 | 11/3/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200101 | 00-02 | 1/25/2001 | FS | NA | NA | NA | NA | NA | NA | NA | NA | **3.96** | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200104 | 00-02 | 4/25/2001 | FS | 0.004 U[U] | 0.005 U[U] | **0.12** | 0.002 U[U] | 0.005 U[U] | **50** | 0.005 U[U] | 0.015 U[U] | **0.93** | 0.005 U[U] | **22** | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.04 U[U] | 0.001 U[U] | 0.02 U[U] |
| | 200108 | 00-02 | 8/1/2001 | FS | 0.004 U[U] | 0.005 U[U] | **0.13** | 0.002 U[U] | 0.005 U[U] | **41** | 0.005 U[U] | 0.01 U[U] | **4.52** | 0.005 U[U] | **19** | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.04 U[U] | 0.001 U[U] | **0.03** |
| | 200511 | ND11B-WTR0002-4Q05-A | 11/1/2005 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200601 | ND11B-WTR0002-1Q06-A | 1/30/2006 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200703 | ND11B-WTR00-02-1Q07-A | 3/7/2007 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200710 | ND11B-WTR0002-4Q07-A | 10/18/2007 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200804 | ND11B-WTR0002-1Q08-A | 4/9/2008 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200810 | ND11B-WTR-00-02-3Q08-A | 10/21/2008 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200903 | ND11B-WTR-00-02-1Q09-A | 4/8/2009 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200910 | ND11B-WTR-00-02-3Q09-A | 10/6/2009 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-00-02-1Q10-A | 4/12/2010 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-00-02-1Q10-B | 4/12/2010 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-00-02-3Q10-A | 10/13/2010 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-00-02-3Q10-B | 10/13/2010 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201208 | ND11B-WTR-00-02-2012-A | 8/7/2012 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201208 | ND11B-WTR-00-02-2012-B | 8/7/2012 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**Table H-1**
**Cumulative Analytical Data**
**NAAD-11B**

| | | | | Analysis Group | Metals, Total | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Analyte | Antimony | Arsenic | Barium | Beryllium | Cadmium | Calcium | Chromium | Copper | Iron | Lead | Magnesium | Mercury | Nickel | Selenium | Silver | Thallium | Zinc |
| | | | | CAS No. | 7440-36-0 | 7440-38-2 | 7440-39-3 | 7440-41-7 | 7440-43-9 | 7440-70-2 | 7440-47-3 | 7440-50-8 | 7439-89-6 | 7439-92-1 | 7439-95-4 | 7439-97-6 | 7440-02-0 | 7782-49-2 | 7440-22-4 | 7440-28-0 | 7440-66-6 |
| | | | | Units | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| | | | | PAL | 0.006 | 0.05 | 2 | 0.004 | 0.005 | NE | 0.1 | 0.8 | 14 | 0.05 | NE | 0.002 | 0.1 | 0.05 | 0.094 | 0.002 | 6 |
| Station | Event | Sample ID | Date | Type | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 00-02 | 201305 | ND11B-WTR00-02-2013-A | 5/21/2013 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201403 | ND11B-WTR00-02-2014-A | 5/14/2014 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201505 | ND11B-WTR00-02-2015-A | 5/6/2015 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201607 | NAAD11B-00-02-00 | 7/28/2016 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201705 | NAAD11B-00-02-00 | 5/6/2017 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201805 | NAAD11B-0002-00 | 5/23/2018 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201905 | NAAD11B-0002-00 | 5/3/2019 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 02-01 | 200511 | ND11B-WTR02-01-4Q05-A | 11/1/2005 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200601 | ND11B-WTR02-01-1Q06-A | 1/31/2006 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200604 | ND11B-WTR02-01-2Q06-A | 4/19/2006 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200607 | ND11B-WTRMW02-01-3Q06-A | 7/11/2006 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200703 | ND11B-WTR02-01-1Q07-A | 3/6/2007 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200710 | ND11B-WTRMW02-01-4Q07-A | 10/18/2007 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200710 | ND11B-WTRMW02-01-4Q07-B | 10/18/2007 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200804 | ND11B-WTRMW02-01-1Q08-A | 4/8/2008 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200804 | ND11B-WTRMW02-01-1Q08-B | 4/8/2008 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200810 | ND11B-WTR-02-01-3Q08-A | 10/23/2008 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200903 | ND11B-WTR-02-01-1Q09-A | 4/8/2009 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200910 | ND11B-WTR-02-01-3Q09-A | 10/6/2009 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-02-01-1Q10-A | 4/12/2010 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-02-01-3Q10-A | 10/14/2010 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201208 | ND11B-WTR-02-01-2012-A | 8/7/2012 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201305 | ND11B-WTR02-01-2013-A | 5/21/2013 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201403 | ND11B-WTR02-01-2014-A | 5/14/2014 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201505 | ND11B-WTR02-01-2015-A | 5/5/2015 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201606 | NAAD11B-02-01-00 | 6/15/2016 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201705 | NAAD11B-02-01-00 | 5/5/2017 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201805 | NAAD11B-0201-00 | 5/21/2018 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201905 | NAAD11B-0201-00 | 5/1/2019 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 02-02 | 200511 | ND11B-WTRMW02-02-4Q05-A | 11/2/2005 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200810 | ND11B-WTR-02-02-3Q08-A | 10/21/2008 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200903 | ND11B-WTR-MW-02-02-1Q09-A | 4/7/2009 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200910 | ND11B-WTR-02-02-3Q09-A | 10/6/2009 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-02-02-1Q10-A | 4/14/2010 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-02-02-3Q10-A | 10/13/2010 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201208 | ND11B-WTR-02-02-2012-A | 8/10/2012 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201305 | ND11B-WTR02-02-2013-A | 5/21/2013 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201305 | ND11B-WTR02-02-2013-B | 5/21/2013 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201403 | ND11B-WTR-02-02-2014-A | 5/12/2014 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201505 | ND11B-WTR02-02-2015-A | 5/5/2015 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201607 | NAAD11B-02-02-00 | 7/27/2016 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201705 | NAAD11B-02-02-00 | 5/5/2017 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201805 | NAAD11B-0202-00 | 5/22/2018 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**Table H-1**
**Cumulative Analytical Data**
**NAAD-11B**

| | | | | Analysis Group | Metals, Total | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Analyte | Antimony | Arsenic | Barium | Beryllium | Cadmium | Calcium | Chromium | Copper | Iron | Lead | Magnesium | Mercury | Nickel | Selenium | Silver | Thallium | Zinc |
| | | | | CAS No. | 7440-36-0 | 7440-38-2 | 7440-39-3 | 7440-41-7 | 7440-43-9 | 7440-70-2 | 7440-47-3 | 7440-50-8 | 7439-89-6 | 7439-92-1 | 7439-95-4 | 7439-97-6 | 7440-02-0 | 7782-49-2 | 7440-22-4 | 7440-28-0 | 7440-66-6 |
| | | | | Units | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| | | | | PAL | 0.006 | 0.05 | 2 | 0.004 | 0.005 | NE | 0.1 | 0.8 | 14 | 0.05 | NE | 0.002 | 0.1 | 0.05 | 0.094 | 0.002 | 6 |
| Station | Event | Sample ID | Date | Type | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 02-02 | 201905 | NAAD11B-0202-00 | 5/1/2019 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201905 | NAAD11B-0202-01 | 5/1/2019 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 97-04 | 199711 | 97-04 | 11/9/1997 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199810 | 97-04 | 10/15/1998 | FS | NA | NA | NA | NA | NA | NA | NA | NA | **1.7** | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199901 | 97-04 | 1/21/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | **2.4** | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199904 | 97-04 | 4/22/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | **0.81** | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199907 | 97-04 | 7/14/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | **1.02** | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199910 | 97-04 | 10/15/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200011 | 97-04 | 2/17/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200011 | 97-04 | 4/28/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | **0.47** | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200011 | 97-04 | 7/20/2000 | FS | 0.02 U[U] | 0.005 U[U] | **0.3** | 0.002 U[U] | 0.002 U[U] | **82.1** | 0.01 U[U] | **0.02** | **1.1** | 0.005 U[U] | **28.8** | 0.0002 U[U] | 0.01 U[U] | 0.005 U[U] | 0.001 U[U] | 0.001 U[U] | **0.08** |
| | 200011 | 97-04 | 11/3/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200101 | 97-04 | 1/24/2001 | FS | 0.005 U[U] | 0.005 U[U] | **0.36** | 0.002 U[U] | 0.005 U[U] | **98** | 0.01 U[U] | 0.015 U[U] | **0.28** | 0.005 U[U] | **36** | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.04 U[U] | 0.4 U[U] | 0.02 U[U] |
| | 200104 | 97-04 | 4/25/2001 | FS | 0.004 U[U] | 0.005 U[U] | **0.36** | 0.002 U[U] | 0.005 U[U] | **119** | 0.005 U[U] | 0.015 U[U] | **0.13** | 0.005 U[U] | **42** | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.04 U[U] | 0.001 U[U] | 0.02 U[U] |
| | 200108 | 97-04 | 8/1/2001 | FS | 0.004 U[U] | 0.005 U[U] | **0.32** | 0.002 U[U] | 0.005 U[U] | **94** | 0.005 U[U] | 0.01 U[U] | **2.71** | 0.005 U[U] | **36** | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.04 U[U] | 0.001 U[U] | **0.12** |
| | 200703 | ND11B-WTR97-04-1Q07-A | 3/7/2007 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200804 | ND11B-WTR97-04-1Q08-A | 4/8/2008 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200810 | ND11B-WTR-97-04-3Q08-A | 10/23/2008 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200903 | ND11B-WTR-97-04-1Q09-A | 4/7/2009 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200903 | ND11B-WTR-97-04-1Q09-B | 4/7/2009 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200910 | ND11B-WTR-97-04-3Q09-A | 10/6/2009 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-97-04-1Q10-A | 4/12/2010 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-97-04-1Q10-B | 4/12/2010 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-97-04-3Q10-A | 10/12/2010 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-97-04-3Q10-B | 10/12/2010 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201208 | ND11B-WTR-97-04-2012-A | 8/9/2012 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201208 | ND11B-WTR-97-04-2012-B | 8/9/2012 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201305 | ND11B-WTR97-04-2013-A | 5/21/2013 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201403 | ND11B-WTR97-04-2014-A | 5/13/2014 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201403 | ND11B-WTR97-04-2014-B | 5/13/2014 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201505 | ND11B-WTR97-04-2015-A | 5/5/2015 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201606 | NAAD11B-97-04-00 | 6/16/2016 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201705 | NAAD11B-97-04-00 | 5/5/2017 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201805 | NAAD11B-9704-00 | 5/22/2018 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201905 | NAAD11B-9704-00 | 5/1/2019 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 97-05 | 199711 | 97-05 | 11/9/1997 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199810 | 97-05 | 10/15/1998 | FS | NA | NA | 0.01 U[U] | 0.001 U[U] | 0.003 U[U] | 0.5 U[U] | 0.01 U[U] | 0.01 U[U] | **1** | NA | 0.5 U[U] | NA | 0.01 U[U] | NA | 0.01 U[U] | NA | 0.05 U[U] |
| | 199901 | 97-05 | 1/21/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | **2.5** | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199904 | 97-05 | 4/22/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | **0.4** | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199907 | 97-05 | 7/14/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | **3.34** | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199910 | 97-05 | 10/15/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200011 | 97-05 | 2/17/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200011 | 97-05 | 4/28/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | **0.1** | NA | NA | NA | NA | NA | NA | NA | NA |

**Table H-1**
**Cumulative Analytical Data**
**NAAD-11B**

| | | | | Analysis Group | Metals, Total | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Analyte | Antimony | Arsenic | Barium | Beryllium | Cadmium | Calcium | Chromium | Copper | Iron | Lead | Magnesium | Mercury | Nickel | Selenium | Silver | Thallium | Zinc |
| | | | | CAS No. | 7440-36-0 | 7440-38-2 | 7440-39-3 | 7440-41-7 | 7440-43-9 | 7440-70-2 | 7440-47-3 | 7440-50-8 | 7439-89-6 | 7439-92-1 | 7439-95-4 | 7439-97-6 | 7440-02-0 | 7782-49-2 | 7440-22-4 | 7440-28-0 | 7440-66-6 |
| | | | | Units | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| | | | | PAL | 0.006 | 0.05 | 2 | 0.004 | 0.005 | NE | 0.1 | 0.8 | 14 | 0.05 | NE | 0.002 | 0.1 | 0.05 | 0.094 | 0.002 | 6 |
| Station | Event | Sample ID | Date | Type | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 97-05 | 200011 | 97-05 | 7/20/2000 | FS | 0.02 U[U] | 0.005 U[U] | **0.14** | 0.002 U[U] | 0.002 U[U] | **58** | 0.01 U[U] | **0.02** | **0.25** | 0.005 U[U] | **22** | 0.0002 U[U] | 0.01 U[U] | 0.005 U[U] | **0.002** | 0.001 U[U] | **0.09** |
| | 200011 | 97-05 | 11/3/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200101 | 97-05 | 1/25/2001 | FS | NA | NA | NA | NA | NA | NA | NA | NA | **0.26** | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200104 | 97-05 | 4/25/2001 | FS | 0.004 U[U] | 0.005 U[U] | **0.12** | 0.002 U[U] | 0.005 U[U] | **47** | 0.005 U[U] | 0.015 U[U] | **0.28** | 0.005 U[U] | **18** | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.04 U[U] | 0.001 U[U] | 0.02 U[U] |
| | 200108 | 97-05 | 8/1/2001 | FS | 0.004 U[U] | 0.005 U[U] | **0.12** | 0.002 U[U] | 0.005 U[U] | **50** | 0.005 U[U] | 0.01 U[U] | **5.24** | 0.005 U[U] | **22** | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.04 U[U] | 0.001 U[U] | 0.02 U[U] |
| | 200511 | ND11B-WTR97-05-4Q05-A | 11/2/2005 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200601 | ND11B-WTR97-05-1Q06-A | 1/30/2006 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200604 | ND11B-WTR97-05-2Q06-A | 4/18/2006 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200703 | ND11B-WTR97-05-1Q07-A | 3/6/2007 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200710 | ND11B-WTR97-05-4Q07-A | 10/19/2007 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200804 | ND11B-WTR97-05-1Q08-A | 4/9/2008 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200810 | ND11B-WTR-97-05-3Q08-A | 10/22/2008 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200903 | ND11B-WTR-97-05-1Q09-A | 4/8/2009 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200910 | ND11B-WTR-97-05-3Q09-A | 10/6/2009 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-97-05-1Q10-A | 4/12/2010 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-97-05-3Q10-A | 10/14/2010 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201208 | ND11B-WTR-97-05-2012-A | 8/10/2012 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201305 | ND11B-WTR97-05-2013-A | 5/21/2013 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201305 | ND11B-WTR97-05-2013-B | 5/21/2013 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201403 | ND11B-WTR97-05-2014-A | 5/13/2014 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201505 | ND11B-WTR97-05-2015-A | 5/6/2015 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201505 | ND11B-WTR97-05-2015-B | 5/6/2015 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201607 | NAAD11B-97-05-00 | 7/28/2016 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201705 | NAAD11B-97-05-00 | 5/6/2017 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201805 | NAAD11B-9705-00 | 5/23/2018 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201905 | NAAD11B-9705-00 | 5/3/2019 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 97-06 | 199711 | 97-06 | 11/9/1997 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199810 | 97-06 | 10/15/1998 | FS | NA | NA | NA | NA | NA | NA | NA | NA | **0.46** | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199901 | 97-06 | 1/20/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | **0.52** | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199904 | 97-06 | 4/22/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | **0.16** | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199907 | 97-06 | 7/13/1999 | FS | NA | 0.005 U[U] | NA | NA | NA | NA | NA | NA | **0.3** | 0.005 U[U] | NA | 0 U[U] | NA | 0.005 U[U] | NA | NA | NA |
| | 199907 | 97-06 | 8/12/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199910 | 97-06 | 10/15/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200011 | 97-06 | 2/17/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200011 | 97-06 | 4/28/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | **0.08** | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200011 | 97-06 | 7/20/2000 | FS | 0.02 U[U] | 0.005 U[U] | **0.17** | 0.002 U[U] | 0.002 U[U] | **51** | 0.01 U[U] | 0.01 U[U] | **0.22** | 0.005 U[U] | **20.7** | 0.0002 U[U] | 0.01 U[U] | 0.005 U[U] | 0.001 U[U] | 0.001 U[U] | **0.07** |
| | 200011 | 97-06 | 11/3/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200101 | 97-06 | 1/24/2001 | FS | 0.005 U[U] | 0.005 U[U] | **0.22** | 0.002 U[U] | 0.005 U[U] | **59** | 0.01 U[U] | 0.015 U[U] | **0.47** | 0.005 U[U] | **25** | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.04 U[U] | 0.4 U[U] | 0.02 U[U] |
| | 200104 | 97-06 | 4/25/2001 | FS | 0.004 U[U] | 0.005 U[U] | **0.16** | 0.002 U[U] | 0.005 U[U] | **55** | 0.005 U[U] | 0.015 U[U] | **0.07** | 0.005 U[U] | **22** | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.04 U[U] | 0.001 U[U] | 0.02 U[U] |
| | 200108 | 97-06 | 8/1/2001 | FS | 0.004 U[U] | 0.005 U[U] | **0.18** | 0.002 U[U] | 0.005 U[U] | **55** | 0.005 U[U] | 0.01 U[U] | **1.26** | 0.005 U[U] | **25** | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.04 U[U] | 0.001 U[U] | **0.09** |
| | 200203 | 97-06 | 3/12/2002 | FS | NA | 0.002 U[U] | NA | 0.002 U[U] | NA | NA | 0.005 U[U] | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200511 | ND11B-WTR97-06-4Q05-A | 11/2/2005 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200601 | ND11B-WTR97-06-1Q06-A | 1/30/2006 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**Table H-1**
**Cumulative Analytical Data**
**NAAD-11B**

| | | | | Analysis Group | Metals, Total | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Analyte | Antimony | Arsenic | Barium | Beryllium | Cadmium | Calcium | Chromium | Copper | Iron | Lead | Magnesium | Mercury | Nickel | Selenium | Silver | Thallium | Zinc |
| | | | | CAS No. | 7440-36-0 | 7440-38-2 | 7440-39-3 | 7440-41-7 | 7440-43-9 | 7440-70-2 | 7440-47-3 | 7440-50-8 | 7439-89-6 | 7439-92-1 | 7439-95-4 | 7439-97-6 | 7440-02-0 | 7782-49-2 | 7440-22-4 | 7440-28-0 | 7440-66-6 |
| | | | | Units | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| | | | | PAL | 0.006 | 0.05 | 2 | 0.004 | 0.005 | NE | 0.1 | 0.8 | 14 | 0.05 | NE | 0.002 | 0.1 | 0.05 | 0.094 | 0.002 | 6 |
| Station | Event | Sample ID | Date | Type | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 97-06 | 200604 | ND11B-WTR97-06-2Q06-A | 4/19/2006 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200607 | ND11B-WTR97-06-3Q06-A | 7/11/2006 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200703 | ND11B-WTR97-06-1Q07-A | 3/7/2007 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200703 | ND11B-WTR97-06-1Q07-B | 3/7/2007 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200710 | ND11B-WTR97-06-4Q07-A | 10/18/2007 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200804 | ND11B-WTR97-06-1Q08-A | 4/8/2008 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200810 | ND11B-WTR-97-06-3Q08-A | 10/22/2008 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200810 | ND11B-WTR-97-06-3Q08-B | 10/22/2008 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200903 | ND11B-WTR-97-06-1Q09-A | 4/7/2009 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200910 | ND11B-WTR-97-06-3Q09-A | 10/6/2009 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-97-06-1Q10-A | 4/12/2010 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-97-06-3Q10-A | 10/12/2010 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201208 | ND11B-WTR-97-06-2012-A | 8/9/2012 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201305 | ND11B-WTR97-06-2013-A | 5/21/2013 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201403 | ND11B-WTR97-06-2014-A | 5/13/2014 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201403 | ND11B-WTR97-06-2014-B | 5/13/2014 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201505 | ND11B-WTR97-06-2015-A | 5/5/2015 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201606 | NAAD11B-97-06-00 | 6/16/2016 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201705 | NAAD11B-97-06-00 | 5/5/2017 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201805 | NAAD11B-9706-00 | 5/22/2018 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201905 | NAAD11B-9706-00 | 5/2/2019 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 97-07 | 201905 | NAAD11B-9707-00 | 5/2/2019 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 97-08 | 199711 | 97-08 | 11/10/1997 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199810 | 97-08 | 10/15/1998 | FS | NA | NA | NA | NA | NA | NA | NA | NA | **1** | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199901 | 97-08 | 1/21/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | **0.74** | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199904 | 97-08 | 4/22/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | **0.4** | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199907 | 97-08 | 7/14/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | **3.49** | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199910 | 97-08 | 10/15/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200011 | 97-08 | 2/17/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200011 | 97-08 | 4/28/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | **0.09** | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200011 | 97-08 | 7/20/2000 | FS | 0.02 U[U] | 0.005 U[U] | **0.14** | 0.002 U[U] | 0.002 U[U] | **60** | 0.01 U[U] | **0.02** | **0.28** | 0.005 U[U] | **25** | 0.0002 U[U] | 0.01 U[U] | 0.005 U[U] | **0.002** | 0.001 U[U] | **0.1** |
| | 200011 | 97-08 | 11/3/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200101 | 97-08 | 1/25/2001 | FS | NA | NA | NA | NA | NA | NA | NA | NA | **0.14** | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200104 | 97-08 | 4/5/2001 | FS | NA | NA | NA | NA | NA | NA | NA | NA | **0.12** | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200104 | 97-08 | 4/25/2001 | FS | 0.004 U[U] | 0.005 U[U] | **0.15** | 0.002 U[U] | 0.005 U[U] | **50** | 0.005 U[U] | 0.015 U[U] | **0.73** | 0.005 U[U] | **21** | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.04 U[U] | 0.001 U[U] | 0.02 U[U] |
| | 200108 | 97-08 | 8/1/2001 | FS | 0.004 U[U] | 0.005 U[U] | **0.12** | 0.002 U[U] | 0.005 U[U] | **45** | 0.005 U[U] | 0.01 U[U] | **5.69** | 0.005 U[U] | **22** | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.04 U[U] | 0.001 U[U] | 0.02 U[U] |
| | 200203 | 97-08 | 3/12/2002 | FS | NA | 0.002 U[U] | NA | 0.002 U[U] | NA | NA | 0.005 U[U] | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200511 | ND11B-WTR97-08-4Q05-A | 11/1/2005 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200511 | ND11B-WTR97-08-4Q05-B | 11/1/2005 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200601 | ND11B-WTR97-08-1Q06-A | 1/31/2006 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200601 | ND11B-WTR97-08-1Q06-B | 1/31/2006 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200604 | ND11B-WTR97-08-2Q06-A | 4/18/2006 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200604 | ND11B-WTR97-08-2Q06-B | 4/18/2006 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**Table H-1**
**Cumulative Analytical Data**
**NAAD-11B**

| | | | | Analysis Group | Metals, Total | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Analyte | Antimony | Arsenic | Barium | Beryllium | Cadmium | Calcium | Chromium | Copper | Iron | Lead | Magnesium | Mercury | Nickel | Selenium | Silver | Thallium | Zinc |
| | | | | CAS No. | 7440-36-0 | 7440-38-2 | 7440-39-3 | 7440-41-7 | 7440-43-9 | 7440-70-2 | 7440-47-3 | 7440-50-8 | 7439-89-6 | 7439-92-1 | 7439-95-4 | 7439-97-6 | 7440-02-0 | 7782-49-2 | 7440-22-4 | 7440-28-0 | 7440-66-6 |
| | | | | Units | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| | | | | PAL | 0.006 | 0.05 | 2 | 0.004 | 0.005 | NE | 0.1 | 0.8 | 14 | 0.05 | NE | 0.002 | 0.1 | 0.05 | 0.094 | 0.002 | 6 |
| Station | Event | Sample ID | Date | Type | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 97-08 | 200607 | ND11B-WTR97-08-3Q06-A | 7/11/2006 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200703 | ND11B-WTR97-08-1Q07-A | 3/6/2007 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200710 | ND11B-WTR97-08-4Q07-A | 10/18/2007 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200710 | ND11B-WTR97-08-4Q07-B | 10/18/2007 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200804 | ND11B-WTR97-08-1Q08-A | 4/10/2008 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200804 | ND11B-WTR97-08-1Q08-B | 4/10/2008 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200810 | ND11B-WTR-97-08-3Q08-A | 10/22/2008 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200903 | ND11B-WTR-97-08-1Q09-A | 4/8/2009 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200910 | ND11B-WTR-97-08-3Q09-A | 10/5/2009 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-97-08-1Q10-A | 4/12/2010 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-97-08-3Q10-A | 10/13/2010 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201208 | ND11B-WTR-97-08-2012-A | 8/7/2012 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201305 | ND11B-WTR97-08-2013-A | 5/21/2013 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201403 | ND11B-WTR97-08-2014-A | 5/14/2014 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201505 | ND11B-WTR97-08-2015-A | 5/5/2015 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201505 | ND11B-WTR97-08-2015-B | 5/5/2015 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201607 | NAAD11B-97-08-00 | 7/27/2016 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201705 | NAAD11B-97-08-00 | 5/5/2017 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201805 | NAAD11B-9708-00 | 5/23/2018 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201805 | NAAD11B-9708-01 | 5/23/2018 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201905 | NAAD11B-9708-00 | 5/2/2019 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 97-09 | 199711 | 97-09 | 11/9/1997 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199810 | 97-09 | 10/14/1998 | FS | NA | NA | NA | NA | NA | NA | NA | NA | **0.3** | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199901 | 97-09 | 1/20/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | **0.64** | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199904 | 97-09 | 4/21/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | **0.59** | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199907 | 97-09 | 7/13/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | **0.6** | NA | NA | 0 U[U] | NA | NA | NA | NA | NA |
| | 199907 | 97-09 | 8/12/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199910 | 97-09 | 10/15/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200011 | 97-09 | 2/17/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200011 | 97-09 | 4/27/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | **0.1** | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200011 | 97-09 | 7/19/2000 | FS | **0.03** | 0.005 U[U] | **0.14** | 0.002 U[U] | 0.002 U[U] | **64.9** | 0.01 U[U] | **0.03** | **0.44** | 0.005 U[U] | **31** | 0.0002 U[U] | 0.01 U[U] | 0.005 U[U] | 0.001 U[U] | 0.001 U[U] | **0.16** |
| | 200011 | 97-09 | 11/2/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200101 | 97-09 | 1/24/2001 | FS | 0.005 U[U] | 0.005 U[U] | **0.12** | 0.002 U[U] | 0.005 U[U] | **52** | 0.01 U[U] | 0.015 U[U] | **0.1** | 0.005 U[U] | **26** | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.04 U[U] | 0.4 U[U] | 0.02 U[U] |
| | 200104 | 97-09 | 4/25/2001 | FS | 0.004 U[U] | 0.005 U[U] | **0.09** | 0.002 U[U] | 0.005 U[U] | **49** | 0.005 U[U] | 0.015 U[U] | **0.09** | 0.005 U[U] | **23** | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.04 U[U] | 0.001 U[U] | 0.02 U[U] |
| | 200107 | 97-09 | 7/31/2001 | FS | 0.004 U[U] | 0.005 U[U] | **0.1** | 0.002 U[U] | 0.005 U[U] | **47** | 0.005 U[U] | 0.015 U[U] | **0.23** | 0.005 U[U] | **25** | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.04 U[U] | 0.001 U[U] | **0.03** |
| | 200203 | 97-09 | 3/12/2002 | FS | NA | 0.0047 U[U] | NA | 0.0012 U[U] | NA | NA | 0.1 U[U] | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200304 | 97-09 | 4/18/2003 | FS | 0.05 U[U] | NA | **0.000232** | 0.002 U[U] | 0.005 U[U] | NA | **0.025** | **0.015** | NA | NA | NA | 0.0005 U[U] | 0.04 U[U] | NA | 0.01 U[U] | NA | **0.068** |
| | 200511 | ND11B-WTR97-09-4Q05-A | 11/2/2005 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200601 | ND11B-WTR97-09-1Q06-A | 1/31/2006 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200604 | ND11B-WTR97-09-2Q06-A | 4/18/2006 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200607 | ND11B-WTR97-09-3Q06-A | 7/11/2006 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200703 | ND11B-WTR97-09-1Q07-A | 3/7/2007 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200710 | ND11B-WTR97-09-4Q07-A | 10/18/2007 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**Table H-1**
**Cumulative Analytical Data**
**NAAD-11B**

| | | | | Analysis Group | Metals, Total | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Analyte | Antimony | Arsenic | Barium | Beryllium | Cadmium | Calcium | Chromium | Copper | Iron | Lead | Magnesium | Mercury | Nickel | Selenium | Silver | Thallium | Zinc |
| | | | | CAS No. | 7440-36-0 | 7440-38-2 | 7440-39-3 | 7440-41-7 | 7440-43-9 | 7440-70-2 | 7440-47-3 | 7440-50-8 | 7439-89-6 | 7439-92-1 | 7439-95-4 | 7439-97-6 | 7440-02-0 | 7782-49-2 | 7440-22-4 | 7440-28-0 | 7440-66-6 |
| | | | | Units | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| | | | | PAL | 0.006 | 0.05 | 2 | 0.004 | 0.005 | NE | 0.1 | 0.8 | 14 | 0.05 | NE | 0.002 | 0.1 | 0.05 | 0.094 | 0.002 | 6 |
| Station | Event | Sample ID | Date | Type | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 97-09 | 200804 | ND11B-WTR97-09-1Q08-A | 4/10/2008 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200810 | ND11B-WTR-97-09-3Q08-A | 10/23/2008 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200903 | ND11B-WTR-97-09-1Q09-A | 4/7/2009 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200910 | ND11B-WTR-97-09-3Q09-A | 10/6/2009 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200910 | ND11B-WTR-97-09-3Q09-B | 10/6/2009 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-97-09-1Q10-A | 4/14/2010 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-97-09-3Q10-A | 10/12/2010 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201208 | ND11B-WTR-97-09-2012-A | 8/10/2012 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201305 | ND11B-WTR97-09-2013-A | 5/21/2013 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201403 | ND11B-WTR97-09-2014-A | 5/12/2014 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201505 | ND11B-WTR97-09-2015-A | 5/5/2015 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201606 | NAAD11B-97-09-00 | 6/16/2016 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201705 | NAAD11B-97-09-00 | 5/5/2017 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201805 | NAAD11B-9709-00 | 5/21/2018 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201905 | NAAD11B-9709-00 | 5/2/2019 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 97-10 | 199711 | 97-10 | 11/9/1997 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199810 | 97-10 | 10/14/1998 | FS | NA | NA | NA | NA | NA | NA | NA | NA | **0.16** | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199901 | 97-10 | 1/20/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | **0.74** | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199904 | 97-10 | 4/20/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | **1.29** | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199907 | 97-10 | 7/12/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | **0.97** | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199910 | 97-10 | 10/15/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200011 | 97-10 | 2/17/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200011 | 97-10 | 4/27/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | **0.09** | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200011 | 97-10 | 7/19/2000 | FS | 0.02 U[U] | 0.005 U[U] | **0.04** | 0.002 U[U] | 0.002 U[U] | **33.1** | 0.01 U[U] | 0.01 U[U] | **0.23** | 0.005 U[U] | **14.7** | 0.0002 U[U] | 0.01 U[U] | 0.005 U[U] | 0.001 U[U] | 0.001 U[U] | **0.09** |
| | 200011 | 97-10 | 11/2/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200101 | 97-10 | 1/24/2001 | FS | 0.005 U[U] | 0.005 U[U] | **0.03** | 0.002 U[U] | 0.005 U[U] | **27** | 0.01 U[U] | 0.015 U[U] | **0.07** | 0.005 U[U] | **13** | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.04 U[U] | 0.4 U[U] | 0.02 U[U] |
| | 200104 | 97-10 | 4/24/2001 | FS | 0.004 U[U] | 0.005 U[U] | **0.03** | 0.002 U[U] | 0.005 U[U] | **29** | 0.005 U[U] | 0.015 U[U] | **0.12** | 0.005 U[U] | **13** | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.04 U[U] | 0.001 U[U] | 0.02 U[U] |
| | 200107 | 97-10 | 7/31/2001 | FS | 0.004 U[U] | 0.005 U[U] | **0.03** | 0.002 U[U] | 0.005 U[U] | **26** | 0.005 U[U] | 0.015 U[U] | **0.16** | 0.005 U[U] | **12** | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.04 U[U] | 0.001 U[U] | **0.07** |
| | 200304 | 97-10 | 4/18/2003 | FS | 0.05 U[U] | NA | **0.038** | 0.002 U[U] | 0.005 U[U] | NA | 0.01 U[U] | 0.01 U[U] | NA | NA | NA | 0.0005 U[U] | 0.04 U[U] | NA | 0.01 U[U] | NA | 0.02 U[U] |
| 98-01 | 199810 | 98-01 | 10/14/1998 | FS | NA | NA | NA | NA | NA | NA | NA | NA | **17** | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199901 | 98-01 | 1/20/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | **11** | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199904 | 98-01 | 4/20/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | **20.9** | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199907 | 98-01 | 7/12/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | **3.99** | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199910 | 98-01 | 10/15/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200011 | 98-01 | 2/17/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200011 | 98-01 | 4/27/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | **3.85** | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200011 | 98-01 | 7/19/2000 | FS | 0.02 U[U] | 0.005 U[U] | **0.11** | 0.002 U[U] | 0.002 U[U] | **36.8** | 0.01 U[U] | 0.01 U[U] | **2.15** | 0.005 U[U] | **15.8** | 0.0002 U[U] | 0.01 U[U] | 0.005 U[U] | 0.001 U[U] | 0.001 U[U] | **0.08** |
| | 200011 | 98-01 | 11/2/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200101 | 98-01 | 1/24/2001 | FS | 0.005 U[U] | 0.005 U[U] | **0.06** | 0.002 U[U] | 0.005 U[U] | **31** | 0.01 U[U] | 0.015 U[U] | **0.26** | 0.005 U[U] | **13** | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.04 U[U] | 0.4 U[U] | 0.02 U[U] |
| | 200104 | 98-01 | 4/24/2001 | FS | 0.004 U[U] | 0.005 U[U] | **0.06** | 0.002 U[U] | 0.005 U[U] | **32** | 0.005 U[U] | 0.015 U[U] | **0.27** | 0.005 U[U] | **12** | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.04 U[U] | 0.001 U[U] | 0.02 U[U] |
| | 200107 | 98-01 | 7/31/2001 | FS | 0.004 U[U] | 0.005 U[U] | **0.06** | 0.002 U[U] | 0.005 U[U] | **29** | 0.005 U[U] | 0.015 U[U] | **10.9** | **0.006** | **13** | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.04 U[U] | 0.001 U[U] | **0.04** |
| | 200111 | 98-01 | 11/14/2001 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200304 | 98-01 | 4/18/2003 | FS | 0.05 U[U] | NA | **0.000116** | 0.002 U[U] | 0.005 U[U] | NA | 0.01 U[U] | 0.01 U[U] | NA | NA | NA | 0.0005 U[U] | 0.04 U[U] | NA | 0.01 U[U] | NA | **0.000034** |

**Table H-1**
**Cumulative Analytical Data**
**NAAD-11B**

| | | | | Analysis Group | Metals, Total | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Analyte | Antimony | Arsenic | Barium | Beryllium | Cadmium | Calcium | Chromium | Copper | Iron | Lead | Magnesium | Mercury | Nickel | Selenium | Silver | Thallium | Zinc |
| | | | | CAS No. | 7440-36-0 | 7440-38-2 | 7440-39-3 | 7440-41-7 | 7440-43-9 | 7440-70-2 | 7440-47-3 | 7440-50-8 | 7439-89-6 | 7439-92-1 | 7439-95-4 | 7439-97-6 | 7440-02-0 | 7782-49-2 | 7440-22-4 | 7440-28-0 | 7440-66-6 |
| | | | | Units | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| | | | | PAL | 0.006 | 0.05 | 2 | 0.004 | 0.005 | NE | 0.1 | 0.8 | 14 | 0.05 | NE | 0.002 | 0.1 | 0.05 | 0.094 | 0.002 | 6 |
| Station | Event | Sample ID | Date | Type | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 98-02 | 199810 | 98-02 | 10/14/1998 | FS | NA | NA | NA | NA | NA | NA | NA | NA | **22** | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199901 | 98-02 | 1/20/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | **0.02** | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199904 | 98-02 | 4/20/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | **12.6** | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199907 | 98-02 | 7/12/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | **12.4** | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199910 | 98-02 | 10/15/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200011 | 98-02 | 2/17/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200011 | 98-02 | 4/27/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | **0.103** | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200011 | 98-02 | 7/19/2000 | FS | 0.02 U[U] | 0.005 U[U] | **0.18** | 0.002 U[U] | 0.002 U[U] | **52.1** | 0.01 U[U] | 0.02 U[U] | **3.85** | 0.005 U[U] | **24.5** | 0.0002 U[U] | 0.01 U[U] | 0.005 U[U] | 0.001 U[U] | **0.002** | **0.08** |
| | 200011 | 98-02 | 11/2/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200101 | 98-02 | 1/24/2001 | FS | 0.005 U[U] | 0.005 U[U] | **0.14** | 0.002 U[U] | 0.005 U[U] | **56** | 0.01 U[U] | 0.015 U[U] | **0.19** | 0.005 U[U] | **28** | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.04 U[U] | 0.4 U[U] | 0.02 U[U] |
| | 200104 | 98-02 | 4/25/2001 | FS | 0.004 U[U] | 0.005 U[U] | **0.14** | 0.002 U[U] | 0.005 U[U] | **70** | 0.005 U[U] | 0.015 U[U] | **0.26** | 0.005 U[U] | **34** | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.04 U[U] | 0.001 U[U] | 0.02 U[U] |
| | 200107 | 98-02 | 7/31/2001 | FS | 0.004 U[U] | 0.005 U[U] | **0.14** | 0.002 U[U] | 0.005 U[U] | **56** | 0.005 U[U] | 0.015 U[U] | **0.27** | 0.005 U[U] | **28** | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.04 U[U] | 0.001 U[U] | **0.03** |
| | 200111 | 98-02 | 11/14/2001 | FS | 0.004 U[U] | 0.005 U[U] | **0.16** | 0.002 U[U] | 0.004 U[U] | **51** | 0.005 U[U] | 0.01 U[U] | **0.04** | 0.005 U[U] | **24** | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.04 U[U] | 0.001 U[U] | 0.02 U[U] |
| | 200304 | 98-02 | 4/18/2003 | FS | 0.05 U[U] | NA | **0.000972** | **0.011** | 0.005 U[U] | NA | **0.123** | **0.108** | NA | NA | NA | 0.0005 U[U] | **0.083** | NA | **0.013** | NA | **0.000413** |
| | 200511 | ND11B-WTR98-02-4Q05-A | 11/2/2005 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200601 | ND11B-WTR98-02-1Q06-A | 1/31/2006 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200604 | ND11B-WTR98-02-2Q06-A | 4/18/2006 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200607 | ND11B-WTR98-02-3Q06-A | 7/11/2006 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200607 | ND11B-WTR98-02-3Q06-B | 7/11/2006 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200703 | ND11B-WTR98-02-1Q07-A | 3/7/2007 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200710 | ND11B-WTR98-02-4Q07-A | 10/18/2007 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200804 | ND11B-WTR98-02-1Q08-A | 4/10/2008 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200810 | ND11B-WTR-98-02-3Q08-A | 10/23/2008 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200903 | ND11B-WTR-98-02-1Q09-A | 4/7/2009 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200910 | ND11B-WTR-98-02-3Q09-A | 10/6/2009 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-98-02-1Q10-A | 4/14/2010 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-98-02-3Q10-A | 10/12/2010 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201208 | ND11B-WTR-98-02-2012-A | 8/9/2012 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 98-03 | 199810 | 98-03 | 10/15/1998 | FS | NA | NA | NA | NA | NA | NA | NA | NA | **78** | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199901 | 98-03 | 1/21/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | **9.9** | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199904 | 98-03 | 4/22/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | **66** | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199907 | 98-03 | 7/13/1999 | FS | NA | 0.005 U[U] | NA | NA | NA | NA | NA | NA | **1.73** | 0.005 U[U] | NA | 0 U[U] | NA | 0.005 U[U] | NA | NA | NA |
| | 199907 | 98-03 | 8/12/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199910 | 98-03 | 10/15/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200011 | 98-03 | 4/28/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | **59.5** | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200104 | 98-03 | 4/25/2001 | FS | 0.004 U[U] | 0.005 U[U] | **0.08** | 0.002 U[U] | 0.005 U[U] | **42** | 0.005 U[U] | 0.015 U[U] | **0.34** | 0.005 U[U] | **13** | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.04 U[U] | 0.001 U[U] | 0.02 U[U] |
| | 200511 | ND11B-WTR98-03-4Q05-A | 11/2/2005 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200804 | ND11B-WTR98-03-1Q08-A | 4/9/2008 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200903 | ND11B-WTR-98-03-1Q09-A | 4/7/2009 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-98-03-1Q10-A | 4/14/2010 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-98-03-3Q10-A | 10/13/2010 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201208 | ND11B-WTR-98-03-2012-A | 8/10/2012 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201305 | ND11B-WTR98-03-2013-A | 5/21/2013 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**Table H-1**
**Cumulative Analytical Data**
**NAAD-11B**

| | | | | Analysis Group | Metals, Total | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Analyte | Antimony | Arsenic | Barium | Beryllium | Cadmium | Calcium | Chromium | Copper | Iron | Lead | Magnesium | Mercury | Nickel | Selenium | Silver | Thallium | Zinc |
| | | | | CAS No. | 7440-36-0 | 7440-38-2 | 7440-39-3 | 7440-41-7 | 7440-43-9 | 7440-70-2 | 7440-47-3 | 7440-50-8 | 7439-89-6 | 7439-92-1 | 7439-95-4 | 7439-97-6 | 7440-02-0 | 7782-49-2 | 7440-22-4 | 7440-28-0 | 7440-66-6 |
| | | | | Units | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| | | | | PAL | 0.006 | 0.05 | 2 | 0.004 | 0.005 | NE | 0.1 | 0.8 | 14 | 0.05 | NE | 0.002 | 0.1 | 0.05 | 0.094 | 0.002 | 6 |
| Station | Event | Sample ID | Date | Type | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 98-03 | 201403 | ND11B-WTR98-03-2014-A | 5/14/2014 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201505 | ND11B-WTR98-03-2015-A | 5/5/2015 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201607 | NAAD11B-98-03-00 | 7/27/2016 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201705 | NAAD11B-98-03-00 | 5/5/2017 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201705 | NAAD11B-98-03-01 | 5/5/2017 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201905 | NAAD11B-9803-00 | 5/3/2019 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 99-03 | 199904 | 99-03 | 4/6/1999 | FS | NA | 0.2 U[U] | **4.5** | NA | 0.005 U[U] | NA | **0.06** | NA | NA | 0.1 U[U] | NA | 0.0002 U[U] | NA | 0.2 U[U] | 0.05 U[U] | NA | NA |
| | 199904 | 99-03 | 4/22/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | **52.6** | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199907 | 99-03 | 7/13/1999 | FS | NA | 0.005 U[U] | NA | NA | NA | NA | NA | NA | **32** | 0.005 U[U] | NA | 0 U[U] | NA | 0.005 U[U] | NA | NA | NA |
| | 199907 | 99-03 | 8/12/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199910 | 99-03 | 10/15/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200011 | 99-03 | 2/17/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200011 | 99-03 | 4/28/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | **17.8** | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200011 | 99-03 | 7/20/2000 | FS | 0.02 U[U] | 0.005 U[U] | **0.27** | 0.002 U[U] | 0.002 U[U] | **54.1** | **0.02** | **0.03** | **10.9** | 0.005 U[U] | **17.3** | 0.0002 U[U] | 0.01 U[U] | 0.005 U[U] | 0.001 U[U] | 0.001 U[U] | **0.13** |
| | 200011 | 99-03 | 11/3/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200101 | 99-03 | 1/24/2001 | FS | NA | NA | NA | NA | NA | NA | NA | NA | **0.24** | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200104 | 99-03 | 4/25/2001 | FS | 0.004 U[U] | 0.005 U[U] | **0.15** | 0.002 U[U] | 0.005 U[U] | **48** | 0.005 U[U] | 0.015 U[U] | **12.8** | 0.005 U[U] | **14** | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.04 U[U] | 0.001 U[U] | 0.02 U[U] |
| | 200108 | 99-03 | 8/1/2001 | FS | 0.004 U[U] | 0.005 U[U] | **0.09** | 0.002 U[U] | 0.005 U[U] | **35** | 0.005 U[U] | 0.01 U[U] | **46.2** | 0.005 U[U] | **11** | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.04 U[U] | 0.001 U[U] | 0.02 U[U] |
| | 200111 | 99-03 | 11/14/2001 | FS | 0.004 U[U] | 0.005 U[U] | **0.12** | 0.002 U[U] | 0.004 U[U] | **38** | 0.005 U[U] | 0.01 U[U] | 0.02 U[U] | 0.005 U[U] | **11** | 0.0002 U[U] | 0.02 U[U] | 0.005 U[U] | 0.04 U[U] | 0.001 U[U] | 0.02 U[U] |
| | 200703 | ND11B-WTR99-03-1Q07-A | 3/7/2007 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200710 | ND11B-WTR99-03-4Q07-A | 10/19/2007 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200804 | ND11B-WTR99-03-1Q08-A | 4/8/2008 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200810 | ND11B-WTR-99-03-3Q08-A | 10/22/2008 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200903 | ND11B-WTR-99-03-1Q09-A | 4/7/2009 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200910 | ND11B-WTR-99-03-3Q09-A | 10/6/2009 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-99-03-1Q10-A | 4/13/2010 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-99-03-3Q10-A | 10/13/2010 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201208 | ND11B-WTR-99-03-2012-A | 8/10/2012 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201305 | ND11B-WTR99-03-2013-A | 5/21/2013 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201403 | ND11B-WTR99-03-2014-A | 5/14/2014 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201505 | ND11B-WTR99-03-2015-A | 5/5/2015 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201606 | NAAD11B-99-03-00 | 6/15/2016 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201606 | NAAD11B-99-03-01 | 6/15/2016 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201705 | NAAD11B-99-03-00 | 5/5/2017 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201705 | NAAD11B-99-03-01 | 5/5/2017 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201805 | NAAD11B-9903-00 | 5/22/2018 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201905 | NAAD11B-9903-00 | 5/2/2019 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**Table H-1**
**Cumulative Analytical Data**
**NAAD-11B**

| | | | | Analysis Group | Wet/General Chem | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Analyte | Alkalinity, Total (as CaCO3) | Ammonia, as N | Chloride | Dissolved oxygen | Fecal coliform | Nitrate | Nitrate + Nitrite | Nitrite | Phosphorus | Residue, filterable | Sulfate |
| | | | | CAS No. | ALKTOTAI | 7664-41-7 | 16887-00-6 | 7782-44-7 | FecelC | 14797-55-8 | E701177 | 14797-65-0 | 7723-14-0 | ResidueFilter | 14808-79-8 |
| | | | | Units | mg/L | mg/L | mg/L | mg/L | cfu/1 | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| | | | | PAL | NE | NE | NE | NE | NE | 10 | 10 | 10 | 0.0004 | NE | NE |
| **Station** | **Event** | **Sample ID** | **Date** | **Type** | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 00-01 | 200011 | 00-01 | 11/3/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200101 | 00-01 | 1/25/2001 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200104 | 00-01 | 4/25/2001 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200108 | 00-01 | 8/1/2001 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200511 | ND11B-WTR00-01-4Q05-A | 11/2/2005 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200601 | ND11B-WTR00-01-1Q06-A | 2/1/2006 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200604 | ND11B-WTR00-01-2Q06-A | 4/19/2006 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200710 | ND11B-WTR00-01-4Q07-A | 10/18/2007 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200804 | ND11B-WTR00-01-1Q08-A | 4/9/2008 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200810 | ND11B-WTR-00-01-3Q08-A | 10/21/2008 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200903 | ND11B-WTR-00-01-1Q09-A | 4/7/2009 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200910 | ND11B-WTR-00-01-3Q09-A | 10/5/2009 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-00-01-1Q10-A | 4/14/2010 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-00-01-3Q10-A | 10/13/2010 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201208 | ND11B-WTR-00-01-2012-A | 8/10/2012 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201208 | ND11B-WTR-00-01-2012-B | 8/10/2012 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201305 | ND11B-WTR00-01-2013-A | 5/22/2013 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201403 | ND11B-WTR00-01-2014-A | 5/14/2014 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201505 | ND11B-WTR00-01-2015-A | 5/5/2015 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201607 | NAAD11B-00-01-00 | 7/27/2016 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201607 | NAAD11B-00-01-01 | 7/27/2016 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201705 | NAAD11B-00-01-00 | 5/6/2017 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201805 | NAAD11B-0001-00 | 5/23/2018 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201905 | NAAD11B-0001-00 | 5/2/2019 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201905 | NAAD11B-0001-01 | 5/2/2019 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 00-02 | 200011 | 00-02 | 11/3/2000 | FS | NA | NA | NA | NA | **2900** | NA | NA | NA | NA | NA | NA |
| | 200101 | 00-02 | 1/25/2001 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200104 | 00-02 | 4/25/2001 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200108 | 00-02 | 8/1/2001 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200511 | ND11B-WTR0002-4Q05-A | 11/1/2005 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200601 | ND11B-WTR0002-1Q06-A | 1/30/2006 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200703 | ND11B-WTR00-02-1Q07-A | 3/7/2007 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200710 | ND11B-WTR0002-4Q07-A | 10/18/2007 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200804 | ND11B-WTR0002-1Q08-A | 4/9/2008 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200810 | ND11B-WTR-00-02-3Q08-A | 10/21/2008 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200903 | ND11B-WTR-00-02-1Q09-A | 4/8/2009 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200910 | ND11B-WTR-00-02-3Q09-A | 10/6/2009 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-00-02-1Q10-A | 4/12/2010 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-00-02-1Q10-B | 4/12/2010 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-00-02-3Q10-A | 10/13/2010 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-00-02-3Q10-B | 10/13/2010 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201208 | ND11B-WTR-00-02-2012-A | 8/7/2012 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201208 | ND11B-WTR-00-02-2012-B | 8/7/2012 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**Table H-1**
**Cumulative Analytical Data**
**NAAD-11B**

| | | | | Analysis Group | Wet/General Chem | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Analyte | Alkalinity, Total (as CaCO3) | Ammonia, as N | Chloride | Dissolved oxygen | Fecal coliform | Nitrate | Nitrate + Nitrite | Nitrite | Phosphorus | Residue, filterable | Sulfate |
| | | | | CAS No. | ALKTOTAI | 7664-41-7 | 16887-00-6 | 7782-44-7 | FecelC | 14797-55-8 | E701177 | 14797-65-0 | 7723-14-0 | ResidueFilter | 14808-79-8 |
| | | | | Units | mg/L | mg/L | mg/L | mg/L | cfu/1 | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| | | | | PAL | NE | NE | NE | NE | NE | 10 | 10 | 10 | 0.0004 | NE | NE |
| Station | Event | Sample ID | Date | Type | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 00-02 | 201305 | ND11B-WTR00-02-2013-A | 5/21/2013 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201403 | ND11B-WTR00-02-2014-A | 5/14/2014 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201505 | ND11B-WTR00-02-2015-A | 5/6/2015 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201607 | NAAD11B-00-02-00 | 7/28/2016 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201705 | NAAD11B-00-02-00 | 5/6/2017 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201805 | NAAD11B-0002-00 | 5/23/2018 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201905 | NAAD11B-0002-00 | 5/3/2019 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 02-01 | 200511 | ND11B-WTR02-01-4Q05-A | 11/1/2005 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200601 | ND11B-WTR02-01-1Q06-A | 1/31/2006 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200604 | ND11B-WTR02-01-2Q06-A | 4/19/2006 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200607 | ND11B-WTRMW02-01-3Q06-A | 7/11/2006 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200703 | ND11B-WTR02-01-1Q07-A | 3/6/2007 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200710 | ND11B-WTRMW02-01-4Q07-A | 10/18/2007 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200710 | ND11B-WTRMW02-01-4Q07-B | 10/18/2007 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200804 | ND11B-WTRMW02-01-1Q08-A | 4/8/2008 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200804 | ND11B-WTRMW02-01-1Q08-B | 4/8/2008 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200810 | ND11B-WTR-02-01-3Q08-A | 10/23/2008 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200903 | ND11B-WTR-02-01-1Q09-A | 4/8/2009 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200910 | ND11B-WTR-02-01-3Q09-A | 10/6/2009 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-02-01-1Q10-A | 4/12/2010 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-02-01-3Q10-A | 10/14/2010 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201208 | ND11B-WTR-02-01-2012-A | 8/7/2012 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201305 | ND11B-WTR02-01-2013-A | 5/21/2013 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201403 | ND11B-WTR02-01-2014-A | 5/14/2014 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201505 | ND11B-WTR02-01-2015-A | 5/5/2015 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201606 | NAAD11B-02-01-00 | 6/15/2016 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201705 | NAAD11B-02-01-00 | 5/5/2017 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201805 | NAAD11B-0201-00 | 5/21/2018 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201905 | NAAD11B-0201-00 | 5/1/2019 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 02-02 | 200511 | ND11B-WTRMW02-02-4Q05-A | 11/2/2005 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200810 | ND11B-WTR-02-02-3Q08-A | 10/21/2008 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200903 | ND11B-WTR-MW-02-02-1Q09-A | 4/7/2009 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200910 | ND11B-WTR-02-02-3Q09-A | 10/6/2009 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-02-02-1Q10-A | 4/14/2010 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-02-02-3Q10-A | 10/13/2010 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201208 | ND11B-WTR-02-02-2012-A | 8/10/2012 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201305 | ND11B-WTR02-02-2013-A | 5/21/2013 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201305 | ND11B-WTR02-02-2013-B | 5/21/2013 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201403 | ND11B-WTR-02-02-2014-A | 5/12/2014 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201505 | ND11B-WTR02-02-2015-A | 5/5/2015 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201607 | NAAD11B-02-02-00 | 7/27/2016 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201705 | NAAD11B-02-02-00 | 5/5/2017 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201805 | NAAD11B-0202-00 | 5/22/2018 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**Table H-1**
**Cumulative Analytical Data**
**NAAD-11B**

| | | | | Analysis Group | Wet/General Chem | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Analyte | Alkalinity, Total (as CaCO3) | Ammonia, as N | Chloride | Dissolved oxygen | Fecal coliform | Nitrate | Nitrate + Nitrite | Nitrite | Phosphorus | Residue, filterable | Sulfate |
| | | | | CAS No. | ALKTOTAI | 7664-41-7 | 16887-00-6 | 7782-44-7 | FecelC | 14797-55-8 | E701177 | 14797-65-0 | 7723-14-0 | ResidueFilter | 14808-79-8 |
| | | | | Units | mg/L | mg/L | mg/L | mg/L | cfu/1 | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| | | | | PAL | NE | NE | NE | NE | NE | 10 | 10 | 10 | 0.0004 | NE | NE |
| Station | Event | Sample ID | Date | Type | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 02-02 | 201905 | NAAD11B-0202-00 | 5/1/2019 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201905 | NAAD11B-0202-01 | 5/1/2019 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 97-04 | 199711 | 97-04 | 11/9/1997 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199810 | 97-04 | 10/15/1998 | FS | **340** | **0.6** | **130** | **4.58** | NA | **2.4** | NA | 0.1 U[U] | **0.23** | **662** | **30** |
| | 199901 | 97-04 | 1/21/1999 | FS | **320** | 0.1 U[U] | **130** | **4.5** | NA | **1** | NA | 0.1 U[U] | **0.5** | **730** | **28** |
| | 199904 | 97-04 | 4/22/1999 | FS | **270** | **0.15** | **75** | **5.3** | 1 U[U] | **2.1** | **2.1** | 0.01 U[U] | **0.37** | **724** | **42** |
| | 199907 | 97-04 | 7/14/1999 | FS | **352** | **0.16** | **100** | NA | NA | **1.7** | **1.7** | 0.1 U[U] | **0.49** | **486** | **62** |
| | 199910 | 97-04 | 10/15/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200011 | 97-04 | 2/17/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200011 | 97-04 | 4/28/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200011 | 97-04 | 7/20/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200011 | 97-04 | 11/3/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200101 | 97-04 | 1/24/2001 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200104 | 97-04 | 4/25/2001 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200108 | 97-04 | 8/1/2001 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200703 | ND11B-WTR97-04-1Q07-A | 3/7/2007 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200804 | ND11B-WTR97-04-1Q08-A | 4/8/2008 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200810 | ND11B-WTR-97-04-3Q08-A | 10/23/2008 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200903 | ND11B-WTR-97-04-1Q09-A | 4/7/2009 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200903 | ND11B-WTR-97-04-1Q09-B | 4/7/2009 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200910 | ND11B-WTR-97-04-3Q09-A | 10/6/2009 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-97-04-1Q10-A | 4/12/2010 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-97-04-1Q10-B | 4/12/2010 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-97-04-3Q10-A | 10/12/2010 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-97-04-3Q10-B | 10/12/2010 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201208 | ND11B-WTR-97-04-2012-A | 8/9/2012 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201208 | ND11B-WTR-97-04-2012-B | 8/9/2012 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201305 | ND11B-WTR97-04-2013-A | 5/21/2013 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201403 | ND11B-WTR97-04-2014-A | 5/13/2014 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201403 | ND11B-WTR97-04-2014-B | 5/13/2014 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201505 | ND11B-WTR97-04-2015-A | 5/5/2015 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201606 | NAAD11B-97-04-00 | 6/16/2016 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201705 | NAAD11B-97-04-00 | 5/5/2017 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201805 | NAAD11B-9704-00 | 5/22/2018 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201905 | NAAD11B-9704-00 | 5/1/2019 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 97-05 | 199711 | 97-05 | 11/9/1997 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199810 | 97-05 | 10/15/1998 | FS | **214** | **1.4** | **8.5** | **3.63** | NA | **2.4** | NA | 0.1 U[U] | **0.3** | **341** | **24** |
| | 199901 | 97-05 | 1/21/1999 | FS | **210** | 0.1 U[U] | **9.1** | **2.15** | NA | **2.3** | NA | 0.1 U[U] | **0.22** | **780** | **26** |
| | 199904 | 97-05 | 4/22/1999 | FS | **212** | **0.09** | **8** | **3.4** | NA | **2.3** | **2.3** | 0.01 U[U] | **0.55** | **345** | **17** |
| | 199907 | 97-05 | 7/14/1999 | FS | **264** | **0.19** | **6** | NA | 1 U[U] | **2.4** | **2.4** | 0.1 U[U] | **0.37** | **187** | **48.5** |
| | 199910 | 97-05 | 10/15/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200011 | 97-05 | 2/17/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200011 | 97-05 | 4/28/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**Table H-1**
**Cumulative Analytical Data**
**NAAD-11B**

| | | | | Analysis Group | Wet/General Chem | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Analyte | Alkalinity, Total (as CaCO3) | Ammonia, as N | Chloride | Dissolved oxygen | Fecal coliform | Nitrate | Nitrate + Nitrite | Nitrite | Phosphorus | Residue, filterable | Sulfate |
| | | | | CAS No. | ALKTOTAI | 7664-41-7 | 16887-00-6 | 7782-44-7 | FecelC | 14797-55-8 | E701177 | 14797-65-0 | 7723-14-0 | ResidueFilter | 14808-79-8 |
| | | | | Units | mg/L | mg/L | mg/L | mg/L | cfu/1 | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| | | | | PAL | NE | NE | NE | NE | NE | 10 | 10 | 10 | 0.0004 | NE | NE |
| **Station** | **Event** | **Sample ID** | **Date** | **Type** | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 97-05 | 200011 | 97-05 | 7/20/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200011 | 97-05 | 11/3/2000 | FS | NA | NA | NA | NA | 10 U[U] | NA | NA | NA | NA | NA | NA |
| | 200101 | 97-05 | 1/25/2001 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200104 | 97-05 | 4/25/2001 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200108 | 97-05 | 8/1/2001 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200511 | ND11B-WTR97-05-4Q05-A | 11/2/2005 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200601 | ND11B-WTR97-05-1Q06-A | 1/30/2006 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200604 | ND11B-WTR97-05-2Q06-A | 4/18/2006 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200703 | ND11B-WTR97-05-1Q07-A | 3/6/2007 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200710 | ND11B-WTR97-05-4Q07-A | 10/19/2007 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200804 | ND11B-WTR97-05-1Q08-A | 4/9/2008 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200810 | ND11B-WTR-97-05-3Q08-A | 10/22/2008 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200903 | ND11B-WTR-97-05-1Q09-A | 4/8/2009 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200910 | ND11B-WTR-97-05-3Q09-A | 10/6/2009 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-97-05-1Q10-A | 4/12/2010 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-97-05-3Q10-A | 10/14/2010 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201208 | ND11B-WTR-97-05-2012-A | 8/10/2012 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201305 | ND11B-WTR97-05-2013-A | 5/21/2013 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201305 | ND11B-WTR97-05-2013-B | 5/21/2013 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201403 | ND11B-WTR97-05-2014-A | 5/13/2014 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201505 | ND11B-WTR97-05-2015-A | 5/6/2015 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201505 | ND11B-WTR97-05-2015-B | 5/6/2015 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201607 | NAAD11B-97-05-00 | 7/28/2016 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201705 | NAAD11B-97-05-00 | 5/6/2017 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201805 | NAAD11B-9705-00 | 5/23/2018 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201905 | NAAD11B-9705-00 | 5/3/2019 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 97-06 | 199711 | 97-06 | 11/9/1997 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199810 | 97-06 | 10/15/1998 | FS | **284** | **0.3** | **16** | **3.83** | NA | **2.3** | NA | 0.1 U[U] | **0.14** | **412** | **26** |
| | 199901 | 97-06 | 1/20/1999 | FS | **270** | 0.1 U[U] | **10** | NA | NA | **1.6** | NA | 0.1 U[U] | **0.11** | **380** | **21** |
| | 199904 | 97-06 | 4/22/1999 | FS | **288** | **0.09** | **12** | **2.4** | NA | **2** | **2** | 0.01 U[U] | **0.52** | **402** | **23** |
| | 199907 | 97-06 | 7/13/1999 | FS | **316** | **0.15** | **10** | NA | NA | **1.8** | **1.8** | 0.1 U[U] | **0.2** | **404** | **25** |
| | 199907 | 97-06 | 8/12/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199910 | 97-06 | 10/15/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200011 | 97-06 | 2/17/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200011 | 97-06 | 4/28/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200011 | 97-06 | 7/20/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200011 | 97-06 | 11/3/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200101 | 97-06 | 1/24/2001 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200104 | 97-06 | 4/25/2001 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200108 | 97-06 | 8/1/2001 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200203 | 97-06 | 3/12/2002 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200511 | ND11B-WTR97-06-4Q05-A | 11/2/2005 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200601 | ND11B-WTR97-06-1Q06-A | 1/30/2006 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**Table H-1**
**Cumulative Analytical Data**
**NAAD-11B**

| | | | | Analysis Group | Wet/General Chem | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Analyte | Alkalinity, Total (as CaCO3) | Ammonia, as N | Chloride | Dissolved oxygen | Fecal coliform | Nitrate | Nitrate + Nitrite | Nitrite | Phosphorus | Residue, filterable | Sulfate |
| | | | | CAS No. | ALKTOTAI | 7664-41-7 | 16887-00-6 | 7782-44-7 | FecelC | 14797-55-8 | E701177 | 14797-65-0 | 7723-14-0 | ResidueFilter | 14808-79-8 |
| | | | | Units | mg/L | mg/L | mg/L | mg/L | cfu/1 | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| | | | | PAL | NE | NE | NE | NE | NE | 10 | 10 | 10 | 0.0004 | NE | NE |
| Station | Event | Sample ID | Date | Type | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 97-06 | 200604 | ND11B-WTR97-06-2Q06-A | 4/19/2006 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200607 | ND11B-WTR97-06-3Q06-A | 7/11/2006 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200703 | ND11B-WTR97-06-1Q07-A | 3/7/2007 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200703 | ND11B-WTR97-06-1Q07-B | 3/7/2007 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200710 | ND11B-WTR97-06-4Q07-A | 10/18/2007 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200804 | ND11B-WTR97-06-1Q08-A | 4/8/2008 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200810 | ND11B-WTR-97-06-3Q08-A | 10/22/2008 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200810 | ND11B-WTR-97-06-3Q08-B | 10/22/2008 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200903 | ND11B-WTR-97-06-1Q09-A | 4/7/2009 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200910 | ND11B-WTR-97-06-3Q09-A | 10/6/2009 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-97-06-1Q10-A | 4/12/2010 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-97-06-3Q10-A | 10/12/2010 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201208 | ND11B-WTR-97-06-2012-A | 8/9/2012 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201305 | ND11B-WTR97-06-2013-A | 5/21/2013 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201403 | ND11B-WTR97-06-2014-A | 5/13/2014 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201403 | ND11B-WTR97-06-2014-B | 5/13/2014 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201505 | ND11B-WTR97-06-2015-A | 5/5/2015 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201606 | NAAD11B-97-06-00 | 6/16/2016 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201705 | NAAD11B-97-06-00 | 5/5/2017 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201805 | NAAD11B-9706-00 | 5/22/2018 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201905 | NAAD11B-9706-00 | 5/2/2019 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 97-07 | 201905 | NAAD11B-9707-00 | 5/2/2019 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 97-08 | 199711 | 97-08 | 11/10/1997 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199810 | 97-08 | 10/15/1998 | FS | **256** | **0.3** | **2.9** | **4.58** | NA | **1.1** | NA | 0.1 U[U] | **0.17** | **341** | **21** |
| | 199901 | 97-08 | 1/21/1999 | FS | **270** | 0.1 U[U] | **3.5** | **2.65** | NA | **1.1** | NA | 0.1 U[U] | 0.1 U[U] | **370** | **22** |
| | 199904 | 97-08 | 4/22/1999 | FS | **246** | **0.07** | 5 U[U] | **5.7** | NA | **1** | **1** | 0.01 U[U] | **0.28** | **327** | **11** |
| | 199907 | 97-08 | 7/14/1999 | FS | **276** | **0.17** | 5 U[U] | NA | NA | **1** | **1** | 0.1 U[U] | **0.77** | **293** | **40** |
| | 199910 | 97-08 | 10/15/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200011 | 97-08 | 2/17/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200011 | 97-08 | 4/28/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200011 | 97-08 | 7/20/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200011 | 97-08 | 11/3/2000 | FS | NA | NA | NA | NA | 10 U[U] | NA | NA | NA | NA | NA | NA |
| | 200101 | 97-08 | 1/25/2001 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200104 | 97-08 | 4/5/2001 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200104 | 97-08 | 4/25/2001 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200108 | 97-08 | 8/1/2001 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200203 | 97-08 | 3/12/2002 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200511 | ND11B-WTR97-08-4Q05-A | 11/1/2005 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200511 | ND11B-WTR97-08-4Q05-B | 11/1/2005 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200601 | ND11B-WTR97-08-1Q06-A | 1/31/2006 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200601 | ND11B-WTR97-08-1Q06-B | 1/31/2006 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200604 | ND11B-WTR97-08-2Q06-A | 4/18/2006 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200604 | ND11B-WTR97-08-2Q06-B | 4/18/2006 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**Table H-1**
**Cumulative Analytical Data**
**NAAD-11B**

| | | | | Analysis Group | Wet/General Chem | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Analyte | Alkalinity, Total (as CaCO3) | Ammonia, as N | Chloride | Dissolved oxygen | Fecal coliform | Nitrate | Nitrate + Nitrite | Nitrite | Phosphorus | Residue, filterable | Sulfate |
| | | | | CAS No. | ALKTOTAI | 7664-41-7 | 16887-00-6 | 7782-44-7 | FecelC | 14797-55-8 | E701177 | 14797-65-0 | 7723-14-0 | ResidueFilter | 14808-79-8 |
| | | | | Units | mg/L | mg/L | mg/L | mg/L | cfu/1 | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| | | | | PAL | NE | NE | NE | NE | NE | 10 | 10 | 10 | 0.0004 | NE | NE |
| **Station** | **Event** | **Sample ID** | **Date** | **Type** | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 97-08 | 200607 | ND11B-WTR97-08-3Q06-A | 7/11/2006 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200703 | ND11B-WTR97-08-1Q07-A | 3/6/2007 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200710 | ND11B-WTR97-08-4Q07-A | 10/18/2007 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200710 | ND11B-WTR97-08-4Q07-B | 10/18/2007 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200804 | ND11B-WTR97-08-1Q08-A | 4/10/2008 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200804 | ND11B-WTR97-08-1Q08-B | 4/10/2008 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200810 | ND11B-WTR-97-08-3Q08-A | 10/22/2008 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200903 | ND11B-WTR-97-08-1Q09-A | 4/8/2009 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200910 | ND11B-WTR-97-08-3Q09-A | 10/5/2009 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-97-08-1Q10-A | 4/12/2010 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-97-08-3Q10-A | 10/13/2010 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201208 | ND11B-WTR-97-08-2012-A | 8/7/2012 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201305 | ND11B-WTR97-08-2013-A | 5/21/2013 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201403 | ND11B-WTR97-08-2014-A | 5/14/2014 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201505 | ND11B-WTR97-08-2015-A | 5/5/2015 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201505 | ND11B-WTR97-08-2015-B | 5/5/2015 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201607 | NAAD11B-97-08-00 | 7/27/2016 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201705 | NAAD11B-97-08-00 | 5/5/2017 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201805 | NAAD11B-9708-00 | 5/23/2018 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201805 | NAAD11B-9708-01 | 5/23/2018 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201905 | NAAD11B-9708-00 | 5/2/2019 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 97-09 | 199711 | 97-09 | 11/9/1997 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199810 | 97-09 | 10/14/1998 | FS | **256** | 0.1 U[U] | **4** | **5.92** | NA | **2** | NA | 0.1 U[U] | 0.1 U[U] | **307** | **19** |
| | 199901 | 97-09 | 1/20/1999 | FS | **300** | 0.1 U[U] | **4.2** | **7** | NA | **1.3** | NA | 0.1 U[U] | 0.1 U[U] | **350** | **23** |
| | 199904 | 97-09 | 4/21/1999 | FS | **224** | **0.06** | **8** | **5.6** | NA | **2.1** | **2.1** | 0.1 U[U] | 0.2 U[U] | **288** | **30** |
| | 199907 | 97-09 | 7/13/1999 | FS | **288** | **0.17** | 5 U[U] | NA | NA | **1.7** | **1.7** | 0.1 U[U] | **0.49** | **351** | **54** |
| | 199907 | 97-09 | 8/12/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199910 | 97-09 | 10/15/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200011 | 97-09 | 2/17/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200011 | 97-09 | 4/27/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200011 | 97-09 | 7/19/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200011 | 97-09 | 11/2/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200101 | 97-09 | 1/24/2001 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200104 | 97-09 | 4/25/2001 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200107 | 97-09 | 7/31/2001 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200203 | 97-09 | 3/12/2002 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200304 | 97-09 | 4/18/2003 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200511 | ND11B-WTR97-09-4Q05-A | 11/2/2005 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200601 | ND11B-WTR97-09-1Q06-A | 1/31/2006 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200604 | ND11B-WTR97-09-2Q06-A | 4/18/2006 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200607 | ND11B-WTR97-09-3Q06-A | 7/11/2006 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200703 | ND11B-WTR97-09-1Q07-A | 3/7/2007 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200710 | ND11B-WTR97-09-4Q07-A | 10/18/2007 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**Table H-1**
**Cumulative Analytical Data**
**NAAD-11B**

| | | | | Analysis Group | Wet/General Chem | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Analyte | Alkalinity, Total (as CaCO3) | Ammonia, as N | Chloride | Dissolved oxygen | Fecal coliform | Nitrate | Nitrate + Nitrite | Nitrite | Phosphorus | Residue, filterable | Sulfate |
| | | | | CAS No. | ALKTOTAI | 7664-41-7 | 16887-00-6 | 7782-44-7 | FecelC | 14797-55-8 | E701177 | 14797-65-0 | 7723-14-0 | ResidueFilter | 14808-79-8 |
| | | | | Units | mg/L | mg/L | mg/L | mg/L | cfu/1 | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| | | | | PAL | NE | NE | NE | NE | NE | 10 | 10 | 10 | 0.0004 | NE | NE |
| **Station** | **Event** | **Sample ID** | **Date** | **Type** | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 97-09 | 200804 | ND11B-WTR97-09-1Q08-A | 4/10/2008 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200810 | ND11B-WTR-97-09-3Q08-A | 10/23/2008 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200903 | ND11B-WTR-97-09-1Q09-A | 4/7/2009 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200910 | ND11B-WTR-97-09-3Q09-A | 10/6/2009 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200910 | ND11B-WTR-97-09-3Q09-B | 10/6/2009 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-97-09-1Q10-A | 4/14/2010 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-97-09-3Q10-A | 10/12/2010 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201208 | ND11B-WTR-97-09-2012-A | 8/10/2012 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201305 | ND11B-WTR97-09-2013-A | 5/21/2013 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201403 | ND11B-WTR97-09-2014-A | 5/12/2014 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201505 | ND11B-WTR97-09-2015-A | 5/5/2015 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201606 | NAAD11B-97-09-00 | 6/16/2016 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201705 | NAAD11B-97-09-00 | 5/5/2017 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201805 | NAAD11B-9709-00 | 5/21/2018 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201905 | NAAD11B-9709-00 | 5/2/2019 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 97-10 | 199711 | 97-10 | 11/9/1997 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199810 | 97-10 | 10/14/1998 | FS | **138** | **0.1** | **5** | **8.36** | NA | **0.9** | NA | 0.1 U[U] | **0.1** | **167** | **13** |
| | 199901 | 97-10 | 1/20/1999 | FS | **132** | 0.1 U[U] | **3.9** | **7.63** | NA | **0.44** | NA | 0.1 U[U] | 0.01 U[U] | **190** | **12** |
| | 199904 | 97-10 | 4/20/1999 | FS | **136** | **0.34** | **6** | **7.7** | 1 U[U] | **0.6** | **0.6** | 0.1 U[U] | **0.61** | **181** | **13** |
| | 199907 | 97-10 | 7/12/1999 | FS | **142** | **0.1** | 5 U[U] | NA | NA | **0.8** | **0.8** | 0.1 U[U] | **0.58** | **211** | **25** |
| | 199910 | 97-10 | 10/15/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200011 | 97-10 | 2/17/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200011 | 97-10 | 4/27/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200011 | 97-10 | 7/19/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200011 | 97-10 | 11/2/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200101 | 97-10 | 1/24/2001 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200104 | 97-10 | 4/24/2001 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200107 | 97-10 | 7/31/2001 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200304 | 97-10 | 4/18/2003 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 98-01 | 199810 | 98-01 | 10/14/1998 | FS | **182** | **0.2** | **5** | **2.98** | NA | **0.6** | NA | 0.1 U[U] | **4** | **357** | **12** |
| | 199901 | 98-01 | 1/20/1999 | FS | **160** | **0.3** | **3.8** | **5.19** | NA | **0.34** | NA | 0.1 U[U] | **0.87** | **220** | **8.6** |
| | 199904 | 98-01 | 4/20/1999 | FS | **178** | **0.52** | 5 U[U] | **5.4** | NA | **0.5** | **0.5** | 0.1 U[U] | **5.6** | **240** | **11** |
| | 199907 | 98-01 | 7/12/1999 | FS | **168** | **0.18** | 5 U[U] | NA | NA | **0.6** | **0.6** | 0.1 U[U] | **3.1** | **255** | **88** |
| | 199910 | 98-01 | 10/15/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200011 | 98-01 | 2/17/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200011 | 98-01 | 4/27/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200011 | 98-01 | 7/19/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200011 | 98-01 | 11/2/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200101 | 98-01 | 1/24/2001 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200104 | 98-01 | 4/24/2001 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200107 | 98-01 | 7/31/2001 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200111 | 98-01 | 11/14/2001 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200304 | 98-01 | 4/18/2003 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**Table H-1**
**Cumulative Analytical Data**
**NAAD-11B**

| | | | | Analysis Group | Wet/General Chem | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Analyte | Alkalinity, Total (as CaCO3) | Ammonia, as N | Chloride | Dissolved oxygen | Fecal coliform | Nitrate | Nitrate + Nitrite | Nitrite | Phosphorus | Residue, filterable | Sulfate |
| | | | | CAS No. | ALKTOTAL | 7664-41-7 | 16887-00-6 | 7782-44-7 | FecelC | 14797-55-8 | E701177 | 14797-65-0 | 7723-14-0 | ResidueFilter | 14808-79-8 |
| | | | | Units | mg/L | mg/L | mg/L | mg/L | cfu/1 | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| | | | | PAL | NE | NE | NE | NE | NE | 10 | 10 | 10 | 0.0004 | NE | NE |
| Station | Event | Sample ID | Date | Type | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 98-02 | 199810 | 98-02 | 10/14/1998 | FS | **310** | **0.4** | **4** | **3.6** | NA | **2** | NA | 0.1 U[U] | **3** | **470** | **45** |
| | 199901 | 98-02 | 1/20/1999 | FS | **310** | **0.2** | **3.1** | **2.99** | NA | **1.5** | NA | 0.1 U[U] | **0.92** | **440** | **44** |
| | 199904 | 98-02 | 4/20/1999 | FS | **416** | **0.31** | 5 U[U] | **3.1** | NA | **2.1** | **2.1** | 0.1 U[U] | **1.3** | **350** | **46** |
| | 199907 | 98-02 | 7/12/1999 | FS | **318** | **0.21** | 5 U[U] | NA | NA | **0.6** | **0.6** | 0.1 U[U] | **2.1** | **435** | **270** |
| | 199910 | 98-02 | 10/15/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200011 | 98-02 | 2/17/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200011 | 98-02 | 4/27/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200011 | 98-02 | 7/19/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200011 | 98-02 | 11/2/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200101 | 98-02 | 1/24/2001 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200104 | 98-02 | 4/25/2001 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200107 | 98-02 | 7/31/2001 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200111 | 98-02 | 11/14/2001 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200304 | 98-02 | 4/18/2003 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200511 | ND11B-WTR98-02-4Q05-A | 11/2/2005 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200601 | ND11B-WTR98-02-1Q06-A | 1/31/2006 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200604 | ND11B-WTR98-02-2Q06-A | 4/18/2006 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200607 | ND11B-WTR98-02-3Q06-A | 7/11/2006 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200607 | ND11B-WTR98-02-3Q06-B | 7/11/2006 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200703 | ND11B-WTR98-02-1Q07-A | 3/7/2007 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200710 | ND11B-WTR98-02-4Q07-A | 10/18/2007 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200804 | ND11B-WTR98-02-1Q08-A | 4/10/2008 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200810 | ND11B-WTR-98-02-3Q08-A | 10/23/2008 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200903 | ND11B-WTR-98-02-1Q09-A | 4/7/2009 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200910 | ND11B-WTR-98-02-3Q09-A | 10/6/2009 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-98-02-1Q10-A | 4/14/2010 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-98-02-3Q10-A | 10/12/2010 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201208 | ND11B-WTR-98-02-2012-A | 8/9/2012 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 98-03 | 199810 | 98-03 | 10/15/1998 | FS | **186** | **1** | **4.6** | NA | NA | **0.8** | NA | 0.1 U[U] | **0.78** | **278** | **15** |
| | 199901 | 98-03 | 1/21/1999 | FS | **130** | **0.2** | **3.8** | **2.68** | NA | **0.8** | NA | 0.1 U[U] | **0.59** | **300** | **13** |
| | 199904 | 98-03 | 4/22/1999 | FS | **320** | **0.16** | 5 U[U] | **4.8** | NA | **0.96** | **0.96** | 0.01 U[U] | 0.15 U[U] | **1580** | **15** |
| | 199907 | 98-03 | 7/13/1999 | FS | **176** | **0.18** | 5 U[U] | NA | NA | **0.8** | **0.8** | 0.1 U[U] | **0.61** | **251** | **89** |
| | 199907 | 98-03 | 8/12/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199910 | 98-03 | 10/15/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200011 | 98-03 | 4/28/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200104 | 98-03 | 4/25/2001 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200511 | ND11B-WTR98-03-4Q05-A | 11/2/2005 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200804 | ND11B-WTR98-03-1Q08-A | 4/9/2008 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200903 | ND11B-WTR-98-03-1Q09-A | 4/7/2009 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-98-03-1Q10-A | 4/14/2010 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-98-03-3Q10-A | 10/13/2010 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201208 | ND11B-WTR-98-03-2012-A | 8/10/2012 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201305 | ND11B-WTR98-03-2013-A | 5/21/2013 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**Table H-1**
**Cumulative Analytical Data**
**NAAD-11B**

| | | | | Analysis Group | Wet/General Chem | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Analyte | Alkalinity, Total (as CaCO3) | Ammonia, as N | Chloride | Dissolved oxygen | Fecal coliform | Nitrate | Nitrate + Nitrite | Nitrite | Phosphorus | Residue, filterable | Sulfate |
| | | | | CAS No. | ALKTOTAI | 7664-41-7 | 16887-00-6 | 7782-44-7 | FecelC | 14797-55-8 | E701177 | 14797-65-0 | 7723-14-0 | ResidueFilter | 14808-79-8 |
| | | | | Units | mg/L | mg/L | mg/L | mg/L | cfu/1 | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| | | | | PAL | NE | NE | NE | NE | NE | 10 | 10 | 10 | 0.0004 | NE | NE |
| Station | Event | Sample ID | Date | Type | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 98-03 | 201403 | ND11B-WTR98-03-2014-A | 5/14/2014 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201505 | ND11B-WTR98-03-2015-A | 5/5/2015 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201607 | NAAD11B-98-03-00 | 7/27/2016 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201705 | NAAD11B-98-03-00 | 5/5/2017 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201705 | NAAD11B-98-03-01 | 5/5/2017 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201905 | NAAD11B-9803-00 | 5/3/2019 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 99-03 | 199904 | 99-03 | 4/6/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199904 | 99-03 | 4/22/1999 | FS | **204** | **0.25** | **27** | **9** | NA | **1.16** | **1.2** | **0.04** | 0.15 U[U] | **282** | **13** |
| | 199907 | 99-03 | 7/13/1999 | FS | **210** | **0.2** | **32** | NA | NA | **1.4** | **1.4** | 0.1 U[U] | **1.7** | **446** | **76** |
| | 199907 | 99-03 | 8/12/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 199910 | 99-03 | 10/15/1999 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200011 | 99-03 | 2/17/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200011 | 99-03 | 4/28/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200011 | 99-03 | 7/20/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200011 | 99-03 | 11/3/2000 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200101 | 99-03 | 1/24/2001 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200104 | 99-03 | 4/25/2001 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200108 | 99-03 | 8/1/2001 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200111 | 99-03 | 11/14/2001 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200703 | ND11B-WTR99-03-1Q07-A | 3/7/2007 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200710 | ND11B-WTR99-03-4Q07-A | 10/19/2007 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200804 | ND11B-WTR99-03-1Q08-A | 4/8/2008 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200810 | ND11B-WTR-99-03-3Q08-A | 10/22/2008 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200903 | ND11B-WTR-99-03-1Q09-A | 4/7/2009 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 200910 | ND11B-WTR-99-03-3Q09-A | 10/6/2009 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-99-03-1Q10-A | 4/13/2010 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201004 | ND11B-WTR-99-03-3Q10-A | 10/13/2010 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201208 | ND11B-WTR-99-03-2012-A | 8/10/2012 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201305 | ND11B-WTR99-03-2013-A | 5/21/2013 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201403 | ND11B-WTR99-03-2014-A | 5/14/2014 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201505 | ND11B-WTR99-03-2015-A | 5/5/2015 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201606 | NAAD11B-99-03-00 | 6/15/2016 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201606 | NAAD11B-99-03-01 | 6/15/2016 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201705 | NAAD11B-99-03-00 | 5/5/2017 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201705 | NAAD11B-99-03-01 | 5/5/2017 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201805 | NAAD11B-9903-00 | 5/22/2018 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 201905 | NAAD11B-9903-00 | 5/2/2019 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**Table H-1**
**Cumulative Analytical Data**
**NAAD-11B**

**Notes:**

Yellow highlight = Analyte detected above the Project Action Level

**Bold** = Analyte detected above the laboratory detection limit (but below the Project Action Level)

µg/L - micrograms per liter
CAS - Chemical Abstract Service
FD - Field Duplicate Sample
FS - Field Sample
ID - Identification
mg/L - milligram per liter
NA - Not analyzed
NE - Not established
No. - Number
PAL - Project Action Level: Arizona Aquifer Water Quality Standard (AWQS) or U.S. Environmental Agency Regional Screening Level (RSL) based upon Worksheet #15 of UFP-QAPP (WESTON, 2018)
D - Laboratory reported value is from a dilution
J - Estimated: the analyte was positively identified; the quantitation is an estimation.
M - Manually integrated compound
Q - Data qualifed by Laboratory, one or more quality control criteria failed.
R - Rejected, The sample results were rejected due to gross non-conformances discovered during data validation.
U - Undetected at the Limit of Detection.

# Table H-2
# Cumulative Analytical Data
# NAAD-40

| | | | Analysis Group | Explosives, Total | | | Metals, Dissolved | | | | | | | PCBs | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Analyte | 1,3,5-Trinitrobenzene | 1,3-Dinitrobenzene | Perchlorate | Arsenic, Dissolved | Barium, Dissolved | Beryllium, Dissolved | Cadmium, Dissolved | Chromium, Dissolved | Lead, Dissolved | Mercury, Dissolved | PCB-1016 | PCB-1221 | PCB-1232 | PCB-1242 | PCB-1248 | PCB-1254 | PCB-1260 |
| | | | CAS No. | 99-35-4 | 99-65-0 | 14797-73-0 | 7440-38-2 | 7440-39-3 | 7440-41-7 | 7440-43-9 | 7440-47-3 | 7439-92-1 | 7439-97-6 | 12674-11-2 | 11104-28-2 | 11141-16-5 | 53469-21-9 | 12672-29-6 | 11097-69-1 | 11096-82-5 |
| | | | Units | µg/L | µg/L | µg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L |
| | | | PAL | 590 | 2 | 11 | 0.05 | 2 | 0.004 | 0.005 | 0.1 | 0.05 | 0.002 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| Station | Sample ID | Date | Type | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| FSL5 | FSL5 | 10/17/2007 | FS | NA | NA | NA | NA | **0.0032 J[J]** | 0.005 U[U] | 0.005 U[U] | 0.01 U[U] | 0.009 U[U] | 0.0002 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] |
| PMW-1 | ND40-WTRPMW-1-4Q05-A | 11/3/2005 | FS | NA | NA | 1 U[U] | NA | **0.0378 J[J]** | 0.0012 U[U] | 0.0008 U[U] | 0.01 U[U] | 0.0022 U[U] | 0.0001 U[U] | 0.54 U[U] | 0.54 U[U] | 0.54 U[U] | 0.54 U[U] | 0.54 U[U] | 0.54 U[U] | 0.54 U[U] |
| | ND40-WTRPMW-1-4Q05-B | 11/3/2005 | FD | NA | NA | NA | NA | **0.0378 J[J]** | 0.0012 U[U] | 0.0008 U[U] | 0.01 U[U] | 0.0022 U[U] | 0.0001 U[U] | 0.5 U[U] | 0.5 U[U] | 0.5 U[U] | 0.5 U[U] | 0.5 U[U] | 0.5 U[U] | 0.5 U[U] |
| | ND40-WTRPMW-1-1Q06-A | 1/31/2006 | FS | NA | NA | NA | NA | **0.0374** | 0.0003 U[U] | 0.0006 U[U] | 0.0015 U[U] | 0.0027 U[U] | 0.0001 U[U] | 0.56 UJ[UJ] | 0.56 UJ[UJ] | 0.56 UJ[UJ] | 0.56 UJ[UJ] | 0.56 UJ[UJ] | 0.56 UJ[UJ] | 0.56 UJ[UJ] |
| | ND40-WTRPMW-1-1Q06-B | 1/31/2006 | FD | NA | NA | NA | NA | **0.0407 J[J]** | 0.0003 U[U] | 0.0006 U[U] | 0.0015 U[U] | 0.0027 U[U] | 0.0001 U[U] | 0.52 UJ[UJ] | 0.52 UJ[UJ] | 0.52 UJ[UJ] | 0.52 UJ[UJ] | 0.52 UJ[UJ] | 0.52 UJ[UJ] | 0.52 UJ[UJ] |
| | ND40-WTRPMW-1-2Q06-A | 4/19/2006 | FS | NA | NA | NA | NA | **0.0259 J[J]** | 0.0002 U[U] | 0.0008 U[U] | 0.0023 U[U] | 0.0024 U[U] | 0.0001 U[U] | 0.53 U[U] | 0.53 U[U] | 0.53 U[U] | 0.53 U[U] | 0.53 U[U] | 0.53 U[U] | 0.53 U[U] |
| | ND40-WTRPMW-1-2Q06-B | 4/19/2006 | FD | NA | NA | NA | NA | **0.0256 J[J]** | 0.0002 U[U] | 0.0008 U[U] | 0.0023 U[U] | 0.0024 U[U] | 0.0001 U[U] | 0.52 U[U] | 0.52 U[U] | 0.52 U[U] | 0.52 U[U] | 0.52 U[U] | 0.52 U[U] | 0.52 U[U] |
| | ND40-WTRPMW-1-3Q06-A | 7/12/2006 | FS | NA | NA | NA | NA | **0.033 J[J]** | 0.005 U[U] | **0.00048 J[J]** | 0.01 U[U] | 0.009 U[U] | 0.0002 U[U] | 1.2 U[U] | 1.2 U[U] | 1.2 U[U] | 1.2 U[U] | 1.2 U[U] | 1.2 U[U] | 1.2 U[U] |
| | ND40-WTRPMW-1-1Q07-A | 3/7/2007 | FS | NA | NA | NA | NA | **0.033** | 0.005 U[U] | 0.005 U[U] | 0.01 U[U] | 0.009 U[U] | 0.0002 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] |
| | ND40-WTRPMW-1-1Q07-B | 3/7/2007 | FD | NA | NA | NA | NA | **0.031** | 0.005 U[U] | 0.005 U[U] | 0.01 U[U] | 0.009 U[U] | 0.0002 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] |
| | ND40-WTRPMW-1-4Q07-A | 10/16/2007 | FS | NA | NA | NA | NA | **0.028** | 0.005 U[U] | **0.00052 J[J]** | 0.01 U[U] | 0.009 U[U] | 0.0002 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] |
| | ND40-WTRPMW-1-1Q08-A | 4/9/2008 | FS | NA | NA | NA | NA | **0.049** | 0.005 U[U] | 0.005 U[U] | 0.01 U[U] | 0.009 U[U] | 0.0002 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] |
| | ND40-WTRPMW-1-1Q09-A | 4/8/2009 | FS | NA | NA | NA | NA | **0.036** | 0.005 U[U] | 0.005 U[U] | **0.0013 J[J]** | 0.009 U[U] | 0.0002 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] |
| | ND40-WTRPMW-1-1Q10-A | 4/13/2010 | FS | NA | NA | NA | NA | **0.032** | 0.00047 U[U] | 0.00045 U[U] | 0.00066 U[U] | 0.0004 U[U] | 0.000027 U[U] | 0.12 UJ[UJ] | 0.21 UJ[UJ] | 0.16 UJ[UJ] | 0.1 UJ[UJ] | 0.089 UJ[UJ] | 0.11 UJ[UJ] | 0.16 UJ[UJ] |
| | ND40-WTRPMW-1-2012-A | 8/9/2012 | FS | NA | NA | NA | **0.00047 [J]** | **0.052** | 0.00008 U[U] | 0.0001 U[U] | **0.0013 [J]** | **0.00031 [J]** | 0.000027 U[U] | 0.12 U[U] | 0.2 U[U] | 0.16 U[U] | 0.099 U[U] | 0.087 U[U] | 0.11 U[U] | 0.15 U[U] |
| | ND40-WTRPMW-1-2013-A | 5/22/2013 | FS | NA | NA | NA | 0.00033 U[U] | **0.045** | 0.00008 U[U] | 0.0001 U[UJ] | **0.0012 [J]** | 0.00018 U[U] | 0.000027 U[U] | NA | NA | NA | NA | NA | NA | NA |
| | ND40-WTRPMW-1-2014-A | 5/13/2014 | FS | NA | NA | NA | **0.0005 J[J]** | **0.049** | 0.00008 U[U] | 0.0001 U[U] | **0.0012 J[J]** | 0.00018 U[U] | 0.000027 U[U] | NA | NA | NA | NA | NA | NA | NA |
| | ND40-WTRPMW-1-2015-A | 5/6/2015 | FS | NA | NA | NA | **0.00039 J[J]** | **0.049** | 0.0001 UJ[UJ] | 0.001 U[U] | **0.001 J[J]** | 0.001 U[U] | 0.00003 UJ[UJ] | NA | NA | NA | NA | NA | NA | NA |
| | NAAD40-PMW-1-00 | 5/9/2016 | FS | 10 U[U] | 4.5 U[U] | NA | **0.00061 J[J]** | **0.044** | 0.0012 U[U] | 0.0018 UQ[U] | **0.0017 J[J]** | 0.01 UQ[U] | 0.00008 U[U] | NA | NA | NA | NA | NA | NA | NA |
| | NAAD40-PMW-1-00 | 5/4/2017 | FS | 9.9 U[U] | 4.4 U[U] | NA | **0.00055 J[J]** | **0.035** | 0.0012 U[U] | **0.0005 J[J]** | **0.0014 J[J]** | 0.01 U[U] | 0.00008 U[U] | NA | NA | NA | NA | NA | NA | NA |
| | NAAD40-PMW1-00 | 5/24/2018 | FS | NA | NA | NA | **0.000742 J[J]** | **0.0336** | 0.01 U[U] | 0.02 U[U] | 0.02 U[U] | 0.1 U[U] | 0.0001 U[U] | NA | NA | NA | NA | NA | NA | NA |
| | NAAD40-PMW1-00 | 5/1/2019 | FS | NA | NA | NA | 0.1 U[U] | **0.0306** | 0.01 U[U] | 0.02 U[U] | 0.02 U[U] | 0.1 U[U] | 0.0001 U[U] | NA | NA | NA | NA | NA | NA | NA |
| PMW-2 | ND40-WTRPMW-2-4Q05-A | 11/4/2005 | FS | NA | NA | NA | NA | **0.0704 J[J]** | 0.0012 U[U] | 0.0008 U[U] | 0.0009 U[U] | 0.0022 U[U] | 0.0001 U[U] | 0.55 U[U] | 0.55 U[U] | 0.55 U[U] | 0.55 U[U] | 0.55 U[U] | 0.55 U[U] | 0.55 U[U] |
| | ND40-WTRPMW-2-1Q06-A | 1/31/2006 | FS | NA | NA | NA | NA | **0.0696** | 0.0003 U[U] | 0.0006 U[U] | 0.0015 U[U] | 0.0027 U[U] | 0.0001 U[U] | 0.53 U[U] | 0.53 U[U] | 0.53 U[U] | 0.53 U[U] | 0.53 U[U] | 0.53 U[U] | 0.53 U[U] |
| | ND40-WTRPMW-2-2-Q06-A | 4/19/2006 | FS | NA | NA | NA | NA | **0.0572 J[J]** | 0.0002 U[U] | 0.0008 U[U] | 0.0023 U[U] | 0.0024 U[U] | 0.0001 U[U] | 0.53 U[U] | 0.53 U[U] | 0.53 U[U] | 0.53 U[U] | 0.53 U[U] | 0.53 U[U] | 0.53 U[U] |
| | ND40-WTRPMW-2-3Q06-A | 7/12/2006 | FS | NA | NA | NA | NA | **0.063 J[J]** | 0.005 U[U] | 0.005 U[U] | 0.01 U[U] | 0.009 U[U] | 0.0002 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] |
| | ND40-WTRPMW-2-1Q07-A | 3/7/2007 | FS | NA | NA | NA | NA | **0.06** | 0.005 U[U] | 0.005 U[U] | 0.01 U[U] | 0.009 U[U] | 0.0002 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] |
| | ND40-WTRPMW-2-4Q07-A | 10/16/2007 | FS | NA | NA | NA | NA | **0.08** | 0.005 U[U] | 0.005 U[U] | 0.01 U[U] | 0.009 U[U] | 0.0002 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] |
| | ND40-WTRPMW-2-1Q08-A | 4/9/2008 | FS | NA | NA | NA | NA | **0.039** | 0.005 U[U] | 0.005 U[U] | 0.01 U[U] | 0.009 U[U] | 0.0002 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] |
| | ND40-WTRPMW-2-1Q09-A | 4/8/2009 | FS | NA | NA | NA | NA | **0.057** | 0.005 U[U] | 0.005 U[U] | 0.01 U[U] | 0.009 U[U] | 0.0002 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] |
| | ND40-WTRPMW-2-1Q10-A | 4/13/2010 | FS | NA | NA | NA | NA | **0.031** | 0.00047 U[U] | 0.00045 U[U] | 0.00066 U[U] | 0.0012 U[U] | 0.000027 U[U] | 0.12 UJ[UJ] | 0.21 U[U] | 0.16 U[U] | 0.1 U[U] | 0.091 U[U] | 0.11 U[U] | 0.16 U[U] |
| | ND40-WTRPMW-2-2012-A | 8/8/2012 | FS | NA | NA | NA | **0.0014 [J]** | **0.13** | 0.00008 U[U] | **0.00011 [J]** | 0.0005 U[U] | **0.00061 [J]** | 0.000027 U[U] | 0.12 U[U] | 0.21 U[U] | 0.16 U[U] | 0.1 U[U] | 0.09 U[U] | 0.11 U[U] | 0.16 U[U] |
| | ND40-WTRPMW-2-2013-A | 5/22/2013 | FS | NA | NA | NA | **0.00098 [J]** | **0.12 [J]** | 0.00008 U[U] | 0.0001 U[UJ] | 0.0005 U[U] | 0.00018 U[U] | 0.000027 U[U] | NA | NA | NA | NA | NA | NA | NA |
| | ND40-WTRPMW-2-2014-A | 5/13/2014 | FS | NA | NA | NA | **0.0012 J[J]** | **0.17** | 0.00008 U[U] | 0.0001 U[U] | 0.0005 U[U] | 0.00018 U[U] | 0.000027 U[U] | NA | NA | NA | NA | NA | NA | NA |
| | ND40-WTRPMW-2-2014-B | 5/13/2014 | FD | NA | NA | NA | **0.0012 J[J]** | **0.16** | 0.00008 U[U] | 0.0001 U[U] | 0.0005 U[U] | 0.00018 U[U] | 0.000027 U[U] | NA | NA | NA | NA | NA | NA | NA |
| | ND40-WTRPMW-2-2015-A | 5/7/2015 | FS | NA | NA | NA | 0.005 U[U] | **0.093** | 0.001 U[U] | 0.001 U[U] | 0.002 U[U] | 0.001 U[U] | 0.000053 UJ[UJ] | NA | NA | NA | NA | NA | NA | NA |
| | NAAD40-PMW-2-00 | 5/9/2016 | FS | 10 U[U] | 4.4 U[U] | NA | **0.00067 J[J]** | **0.12** | 0.0012 U[U] | 0.0018 UQ[U] | 0.0026 U[U] | 0.01 UQ[U] | 0.00008 U[U] | NA | NA | NA | NA | NA | NA | NA |
| | NAAD40-PMW-2-01 | 5/9/2016 | FD | 10 U[U] | 4.4 U[U] | NA | **0.00043 J[J]** | **0.12** | 0.0012 U[U] | 0.0018 UQ[U] | 0.0026 U[U] | 0.01 UQ[U] | 0.00008 U[U] | NA | NA | NA | NA | NA | NA | NA |
| | NAAD40-PMW-2-00 | 5/3/2017 | FS | 10 U[U] | 4.5 U[U] | NA | **0.00085 J[J]** | **0.071** | 0.0012 U[U] | **0.00065 J[J]** | 0.0026 U[U] | 0.01 U[U] | 0.00008 U[U] | NA | NA | NA | NA | NA | NA | NA |
| | NAAD40-PMW2-00 | 5/23/2018 | FS | NA | NA | NA | **0.000984 J[J]** | **0.105** | 0.01 U[U] | 0.02 U[U] | 0.02 U[U] | 0.1 U[U] | 0.0001 U[U] | NA | NA | NA | NA | NA | NA | NA |
| | NAAD40-PMW2-00 | 4/30/2019 | FS | NA | NA | NA | **0.000659 J[J]** | **0.0424** | 0.002 U[U] | 0.0006 U[U] | 0.02 U[U] | 0.001 U[U] | 0.0002 U[U] | NA | NA | NA | NA | NA | NA | NA |

# Table H-2
# Cumulative Analytical Data
# NAAD-40

| | | | Analysis Group | Explosives, Total | | | Metals, Dissolved | | | | | | | PCBs | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Analyte | 1,3,5-Trinitrobenzene | 1,3-Dinitrobenzene | Perchlorate | Arsenic, Dissolved | Barium, Dissolved | Beryllium, Dissolved | Cadmium, Dissolved | Chromium, Dissolved | Lead, Dissolved | Mercury, Dissolved | PCB-1016 | PCB-1221 | PCB-1232 | PCB-1242 | PCB-1248 | PCB-1254 | PCB-1260 |
| | | | CAS No. | 99-35-4 | 99-65-0 | 14797-73-0 | 7440-38-2 | 7440-39-3 | 7440-41-7 | 7440-43-9 | 7440-47-3 | 7439-92-1 | 7439-97-6 | 12674-11-2 | 11104-28-2 | 11141-16-5 | 53469-21-9 | 12672-29-6 | 11097-69-1 | 11096-82-5 |
| | | | Units | µg/L | µg/L | µg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L |
| | | | PAL | 590 | 2 | 11 | 0.05 | 2 | 0.004 | 0.005 | 0.1 | 0.05 | 0.002 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| Station | Sample ID | Date | Type | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| PMW-3 | ND40-WTRPMW-3-4Q05-A | 11/4/2005 | FS | NA | NA | NA | NA | **0.171 J[J]** | 0.0012 U[U] | 0.0008 U[U] | 0.01 U[U] | 0.0022 U[U] | 0.0001 U[U] | 0.52 U[U] | 0.52 U[U] | 0.52 U[U] | 0.52 U[U] | 0.52 U[U] | 0.52 U[U] | 0.52 U[U] |
| | ND40-WTRPMW-3-1Q06-A | 1/31/2006 | FS | NA | NA | NA | NA | **0.163** | 0.0003 U[U] | 0.0006 U[U] | 0.0015 U[U] | 0.0027 U[U] | 0.0001 U[U] | 0.56 U[U] | 0.56 U[U] | 0.56 U[U] | 0.56 U[U] | 0.56 U[U] | 0.56 U[U] | 0.56 U[U] |
| | ND40-WTRPMW-3-2Q06-A | 4/19/2006 | FS | NA | NA | NA | NA | **0.146 J[J]** | 0.0002 U[U] | 0.0008 U[U] | 0.0023 U[U] | 0.0024 U[U] | 0.0001 U[U] | 0.5 U[U] | 0.5 U[U] | 0.5 U[U] | 0.5 U[U] | 0.5 U[U] | 0.5 U[U] | 0.5 U[U] |
| | ND40-WTRPMW-3-3Q06-A | 7/12/2006 | FS | NA | NA | NA | NA | **0.16 J[J]** | 0.005 U[U] | 0.005 U[U] | 0.01 U[U] | 0.009 U[U] | 0.0002 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] |
| | ND40-WTRPMW-3-3Q06-B | 7/12/2006 | FD | NA | NA | NA | NA | **0.17 J-J** | 0.005 U-U | 0.005 U-U | 0.01 U-U | 0.009 U-U | 0.0002 U-U | 1 U-U | 1 U-U | 1 U-U | 1 U-U | 1 U-U | 1 U-U | 1 U-U |
| | ND40-WTRPMW-3-1Q07-A | 3/7/2007 | FS | NA | NA | NA | NA | **0.13** | 0.005 U[U] | 0.005 U[U] | 0.01 U[U] | 0.009 U[U] | 0.0002 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] |
| | ND40-WTRPMW-3-4Q07-A | 10/16/2007 | FS | NA | NA | NA | NA | **0.16** | 0.005 U[U] | **0.00059 J[J]** | 0.01 U[U] | 0.009 U[U] | 0.0002 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] |
| | ND40-WTRPMW-3-4Q07-B | 10/16/2007 | FD | NA | NA | NA | NA | **0.16** | 0.005 U[U] | 0.005 U[U] | 0.01 U[U] | 0.009 U[U] | 0.0002 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] |
| | ND40-WTRPMW-3-1Q08-A | 4/9/2008 | FS | NA | NA | NA | NA | **0.043** | 0.005 U[U] | 0.005 U[U] | 0.01 U[U] | 0.009 U[U] | 0.0002 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] |
| | ND40-WTRPMW-3-1Q08-B | 4/9/2008 | FD | NA | NA | NA | NA | **0.043** | 0.005 U[U] | 0.005 U[U] | 0.01 U[U] | 0.009 U[U] | 0.0002 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] |
| | ND40-WTRPMW-3-1Q09-A | 4/8/2009 | FS | NA | NA | NA | NA | **0.056** | 0.005 U[U] | 0.005 U[U] | **0.00068 J[J]** | 0.009 U[U] | 0.0002 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] |
| | ND40-WTRPMW-3-1Q09-B | 4/8/2009 | FD | NA | NA | NA | NA | **0.058** | 0.005 U[U] | 0.005 U[U] | 0.01 U[U] | 0.009 U[U] | 0.0002 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] |
| | ND40-WTRPMW-3-1Q10-A | 4/13/2010 | FS | NA | NA | NA | NA | **0.037** | 0.00047 U[U] | 0.00045 U[U] | 0.00066 U[U] | 0.00026 U[U] | 0.000027 U[U] | 0.12 UJ[UJ] | 0.2 UJ[UJ] | 0.16 UJ[UJ] | 0.099 UJ[UJ] | 0.087 UJ[UJ] | 0.11 UJ[UJ] | 0.15 UJ[UJ] |
| | ND40-WTRPMW-3-1Q10-B | 4/13/2010 | FD | NA | NA | NA | NA | **0.036** | 0.00047 U[U] | 0.00045 U[U] | 0.00066 U[U] | 0.00026 U[U] | 0.000027 U[U] | 0.12 UJ[UJ] | 0.21 UJ[UJ] | 0.16 UJ[UJ] | 0.1 UJ[UJ] | 0.088 UJ[UJ] | 0.11 UJ[UJ] | 0.15 UJ[UJ] |
| | ND40-WTRPMW-3-2012-A | 8/8/2012 | FS | NA | NA | NA | **0.0004 [J]** | **0.15** | 0.00008 U[U] | 0.0001 U[U] | **0.00072 [J]** | **0.00077 [J]** | 0.000027 U[U] | 0.12 U[U] | 0.2 U[U] | 0.16 U[U] | 0.099 U[U] | 0.087 U[U] | 0.11 U[U] | 0.15 U[U] |
| | ND40-WTRPMW-3-2012-B | 8/8/2012 | FD | NA | NA | NA | **0.00039 [J]** | **0.14** | 0.00008 U[U] | 0.0001 U[U] | **0.0006 [J]** | **0.00076 [J]** | 0.000027 U[U] | 0.12 U[U] | 0.2 U[U] | 0.16 U[U] | 0.1 U[U] | 0.088 U[U] | 0.11 U[U] | 0.15 U[U] |
| | ND40-WTRPMW-3-2013-A | 5/22/2013 | FS | NA | NA | NA | 0.00033 U[U] | **0.074** | 0.00008 U[U] | 0.0001 U[UJ] | **0.0006 [J]** | 0.00018 U[U] | 0.000027 U[U] | NA | NA | NA | NA | NA | NA | NA |
| | ND40-WTRPMW-3-2013-B | 5/22/2013 | FD | NA | NA | NA | 0.00033 U[U] | **0.074** | 0.00008 U[U] | 0.0001 U[UJ] | 0.0005 U[U] | 0.00018 U[U] | 0.000027 U[U] | NA | NA | NA | NA | NA | NA | NA |
| | ND40-WTRPMW-3-2014-A | 5/13/2014 | FS | NA | NA | NA | **0.00033 J[J]** | **0.067** | 0.00008 U[U] | 0.0001 U[U] | **0.00072 J[J]** | 0.00018 U[U] | 0.000027 U[U] | NA | NA | NA | NA | NA | NA | NA |
| | ND40-WTRPMW-3-2015-A | 5/7/2015 | FS | NA | NA | NA | **0.00033 J[J]** | **0.069** | 0.001 U[U] | 0.001 U[U] | **0.00051 J[J]** | 0.001 U[U] | 0.000053 UJ[UJ] | NA | NA | NA | NA | NA | NA | NA |
| | ND40-WTRPMW-3-2015-B | 5/7/2015 | FD | NA | NA | NA | 0.005 U[U] | **0.073** | 0.001 U[U] | 0.001 U[U] | 0.002 U[U] | 0.001 U[U] | 0.0002 U[U] | NA | NA | NA | NA | NA | NA | NA |
| | NAAD40-PMW-3-00 | 5/9/2016 | FS | 9.8 U[U] | 4.3 U[U] | NA | **0.00035 J[J]** | **0.079** | 0.0012 U[U] | 0.0018 UQ[U] | **0.00084 J[J]** | 0.01 UQ[U] | 0.00008 U[U] | NA | NA | NA | NA | NA | NA | NA |
| | NAAD40-PMW-3-00 | 5/4/2017 | FS | 11 U[U] | 4.6 U[U] | NA | 0.001 U[U] | **0.059** | 0.0012 U[U] | **0.00072 J[J]** | **0.00075 J[J]** | 0.01 U[U] | 0.00008 U[U] | NA | NA | NA | NA | NA | NA | NA |
| | NAAD40-PMW3-00 | 5/24/2018 | FS | NA | NA | NA | 0.001 U[U] | **0.113** | 0.01 U[U] | 0.02 U[U] | 0.02 U[U] | 0.1 U[U] | 0.0001 U[U] | NA | NA | NA | NA | NA | NA | NA |
| | NAAD40-PMW3-00 | 4/30/2019 | FS | NA | NA | NA | **0.000558 J[J]** | **0.0666** | 0.002 U[U] | 0.0006 U[U] | 0.02 U[U] | 0.001 U[U] | 0.0002 U[U] | NA | NA | NA | NA | NA | NA | NA |
| | NAAD40-PMW3-01 | 4/30/2019 | FD | NA | NA | NA | **0.000602 J[J]** | **0.0648** | 0.002 U[U] | 0.0006 U[U] | 0.02 U[U] | 0.001 U[U] | 0.0002 U[U] | NA | NA | NA | NA | NA | NA | NA |
| PMW-4 | ND40-WTRPMW-4-1Q08-A | 4/10/2008 | FS | NA | NA | NA | NA | **0.052** | 0.005 U[U] | 0.005 U[U] | 0.01 U[U] | 0.009 U[U] | 0.0002 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] |
| | ND40-WTRPMW-4-1Q09-A | 4/8/2009 | FS | NA | NA | NA | NA | **0.075** | 0.005 U[U] | 0.005 U[U] | **0.00066 J[J]** | 0.009 U[U] | 0.0002 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] |
| | ND40-WTRPMW-4-1Q10-A | 4/13/2010 | FS | NA | NA | NA | NA | **0.066** | 0.00047 U[U] | 0.00045 U[U] | **0.00066 J[J]** | 0.00026 U[U] | 0.000027 U[U] | 0.12 UJ[UJ] | 0.21 UJ[UJ] | 0.16 UJ[UJ] | 0.1 UJ[UJ] | 0.09 UJ[UJ] | 0.11 UJ[UJ] | 0.16 UJ[UJ] |
| | ND40-WTRPMW-4-2015-A | 5/7/2015 | FS | NA | NA | NA | 0.005 U[U] | **0.083** | 0.001 U[U] | 0.001 U[U] | 0.002 U[U] | 0.001 U[U] | 0.000052 UJ[UJ] | NA | NA | NA | NA | NA | NA | NA |
| | NAAD40-PMW-4-00 | 5/9/2016 | FS | 9.6 U[UJ] | 4.2 U[UJ] | NA | 0.001 U[U] | **0.089** | 0.0012 U[U] | 0.0018 UQ[U] | **0.00072 J[J]** | 0.01 UQ[U] | 0.00008 U[U] | NA | NA | NA | NA | NA | NA | NA |
| | NAAD40-PMW-4-00 | 5/4/2017 | FS | 10 U[U] | 4.5 U[U] | NA | 0.001 U[U] | **0.075** | 0.0012 U[U] | **0.00059 J[J]** | **0.00085 J[J]** | 0.01 U[U] | 0.00008 U[U] | NA | NA | NA | NA | NA | NA | NA |
| | NAAD40-PMW-4-01 | 5/4/2017 | FD | 10 U[U] | 4.5 U[U] | NA | 0.001 U[U] | **0.077** | 0.0012 U[U] | **0.00045 J[J]** | **0.00079 J[J]** | 0.01 U[U] | 0.00008 U[U] | NA | NA | NA | NA | NA | NA | NA |
| | NAAD40-PMW4-00 | 4/30/2019 | FS | NA | NA | NA | **0.000512 J[J]** | **0.0538** | 0.002 U[U] | 0.0006 U[U] | 0.02 U[U] | 0.001 U[U] | 0.0002 U[U] | NA | NA | NA | NA | NA | NA | NA |

**Table H-2**
**Cumulative Analytical Data**
**NAAD-40**

| | | | Analysis Group | Explosives, Total | | | Metals, Dissolved | | | | | | | PCBs | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Analyte | 1,3,5-Trinitrobenzene | 1,3-Dinitrobenzene | Perchlorate | Arsenic, Dissolved | Barium, Dissolved | Beryllium, Dissolved | Cadmium, Dissolved | Chromium, Dissolved | Lead, Dissolved | Mercury, Dissolved | PCB-1016 | PCB-1221 | PCB-1232 | PCB-1242 | PCB-1248 | PCB-1254 | PCB-1260 |
| | | | CAS No. | 99-35-4 | 99-65-0 | 14797-73-0 | 7440-38-2 | 7440-39-3 | 7440-41-7 | 7440-43-9 | 7440-47-3 | 7439-92-1 | 7439-97-6 | 12674-11-2 | 11104-28-2 | 11141-16-5 | 53469-21-9 | 12672-29-6 | 11097-69-1 | 11096-82-5 |
| | | | Units | µg/L | µg/L | µg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L |
| | | | PAL | 590 | 2 | 11 | 0.05 | 2 | 0.004 | 0.005 | 0.1 | 0.05 | 0.002 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| **Station** | **Sample ID** | **Date** | **Type** | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| **PMW-5** | ND40-WTRPMW-5-4Q05-A | 11/3/2005 | FS | NA | NA | NA | NA | **0.111 J[J]** | 0.0012 U[U] | 0.0008 U[U] | 0.01 U[U] | 0.0022 U[U] | 0.0001 U[U] | 0.55 U[U] | 0.55 U[U] | 0.55 U[U] | 0.55 U[U] | 0.55 U[U] | 0.55 U[U] | 0.55 U[U] |
| | ND40-WTRPMW-5-1Q06-A | 1/31/2006 | FS | NA | NA | NA | NA | **0.122** | 0.0003 U[U] | 0.0006 U[U] | 0.0015 U[U] | 0.0027 U[U] | 0.0001 U[U] | 0.56 U[U] | 0.56 U[U] | 0.56 U[U] | 0.56 U[U] | 0.56 U[U] | 0.56 U[U] | 0.56 U[U] |
| | ND40-WTRPMW-5-2Q06-A | 4/19/2006 | FS | NA | NA | NA | NA | **0.0939 J[J]** | **0.00021 J[J]** | 0.0008 U[U] | 0.0023 U[U] | **0.0025 J[J]** | 0.0001 U[U] | 0.56 U[U] | 0.56 U[U] | 0.56 U[U] | 0.56 U[U] | 0.56 U[U] | 0.56 U[U] | 0.56 U[U] |
| | ND40-WTRPMW-5-3Q06-A | 7/12/2006 | FS | NA | NA | NA | NA | **0.13 J[J]** | 0.005 U[U] | 0.005 U[U] | 0.01 U[U] | 0.009 U[U] | 0.0002 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] |
| | ND40-WTRPMW-5-1Q07-A | 3/7/2007 | FS | NA | NA | NA | NA | **0.11** | 0.005 U[U] | 0.005 U[U] | 0.01 U[U] | 0.009 U[U] | 0.0002 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] |
| | ND40-WTRPMW-5-1Q08-A | 4/9/2008 | FS | NA | NA | NA | NA | **0.072** | 0.005 U[U] | 0.005 U[U] | 0.01 U[U] | 0.009 U[U] | 0.0002 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] |
| | ND40-WTRPMW-5-1Q09-A | 4/8/2009 | FS | NA | NA | NA | NA | **0.085** | 0.005 U[U] | 0.005 U[U] | **0.0016 J[J]** | 0.009 U[U] | 0.0002 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] |
| | ND40-WTRPMW-5-1Q10-A | 4/13/2010 | FS | NA | NA | NA | NA | **0.093** | 0.00047 U[U] | 0.00045 U[U] | **0.00081 J[J]** | 0.00026 U[U] | 0.000027 U[U] | 0.13 UJ[UJ] | 0.22 UJ[UJ] | 0.17 UJ[UJ] | 0.11 UJ[UJ] | 0.092 UJ[UJ] | 0.12 UJ[UJ] | 0.16 UJ[UJ] |
| | ND40-WTRPMW-5-2012-A | 8/8/2012 | FS | NA | NA | NA | 0.00033 U[U] | **0.1** | 0.00008 U[U] | 0.0001 U[U] | **0.00072 [J]** | 0.00018 U[U] | 0.000027 U[U] | 0.12 U[U] | 0.2 U[U] | 0.16 U[U] | 0.099 U[U] | 0.087 U[U] | 0.11 U[U] | 0.15 U[U] |
| | ND40-WTRPMW-5-2013-A | 5/22/2013 | FS | NA | NA | NA | 0.00033 U[U] | **0.083** | 0.00008 U[U] | 0.0001 U[UJ] | 0.0005 U[U] | 0.00018 U[U] | 0.000027 U[U] | NA | NA | NA | NA | NA | NA | NA |
| | ND40-WTRPMW-5-2014-A | 5/13/2014 | FS | NA | NA | NA | 0.00033 U[U] | **0.077** | 0.00008 U[U] | 0.0001 U[U] | **0.0005 J[J]** | 0.00018 U[U] | 0.000027 U[U] | NA | NA | NA | NA | NA | NA | NA |
| | ND40-WTRPMW-5-2015-A | 5/6/2015 | FS | NA | NA | NA | 0.005 U[U] | **0.082** | 0.001 U[U] | 0.001 U[U] | 0.002 U[U] | 0.001 U[U] | 0.000055 UJ[UJ] | NA | NA | NA | NA | NA | NA | NA |
| | NAAD40-PMW-5-00 | 5/9/2016 | FS | 9.6 U[U] | 4.2 U[U] | NA | 0.001 U[U] | **0.083** | 0.0012 U[U] | 0.0018 UQ[U] | **0.00074 J[J]** | 0.01 UQ[U] | 0.00008 U[U] | NA | NA | NA | NA | NA | NA | NA |
| | NAAD40-PMW-5-00 | 5/4/2017 | FS | 10 U[U] | 4.5 U[U] | NA | 0.001 U[U] | **0.074** | 0.0012 U[U] | **0.00053 J[J]** | **0.00087 J[J]** | 0.01 U[U] | 0.00008 U[U] | NA | NA | NA | NA | NA | NA | NA |
| | NAAD40-PMW5-00 | 5/24/2018 | FS | NA | NA | NA | 0.001 U[U] | **0.101** | 0.01 U[U] | 0.02 U[U] | 0.02 U[U] | 0.1 U[U] | 0.0001 U[U] | NA | NA | NA | NA | NA | NA | NA |
| | NAAD40-PMW5-01 | 5/24/2018 | FD | NA | NA | NA | 0.001 U[U] | **0.101** | 0.01 U[U] | 0.02 U[U] | 0.02 U[U] | 0.1 U[U] | 0.0001 U[U] | NA | NA | NA | NA | NA | NA | NA |
| | NAAD40-PMW5-00 | 4/30/2019 | FS | NA | NA | NA | **0.000501 J[J]** | **0.0767** | 0.002 U[U] | 0.0006 U[U] | 0.02 U[U] | 0.001 U[U] | 0.0002 U[U] | NA | NA | NA | NA | NA | NA | NA |

**Table H-2**
**Cumulative Analytical Data**
**NAAD-40**

| | | | Analysis Group | SVOCs | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Analyte | 1,2,4,5-Tetrachlorobenzene | 1,2,4-Trichlorobenzene | 1,2-Dichlorobenzene | 1,2-Diphenylhydrazine | 1,3-Dichlorobenzene | 1,3-Diethyl-1,3-Diphenyl Urea | 1,4-Dichlorobenzene | 1,4-Dioxane | 1,4-Naphthoquinone | 1-Naphthylamine | 2,2'-oxybis[1-chloropropane] | 2,3,4,6-Tetrachlorophenol | 2,4,5-Trichlorophenol | 2,4,6-Trichlorophenol | 2,4-Dichlorophenol | 2,4-Dimethylphenol | 2,4-Dinitrophenol |
| | | | CAS No. | 95-94-3 | 120-82-1 | 95-50-1 | 122-66-7 | 541-73-1 | 85-98-3 | 106-46-7 | 123-91-1 | 130-15-4 | 134-32-7 | 108-60-1 | 58-90-2 | 95-95-4 | 88-06-2 | 120-83-2 | 105-67-9 | 51-28-5 |
| | | | Units | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L |
| | | | PAL | 1.7 | 70 | 600 | 0.078 | NE | NE | 75 | 0.46 | NE | NE | 710 | 240 | 1200 | 4.1 | 46 | 360 | 39 |
| Station | Sample ID | Date | Type | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| FSL5 | FSL5 | 10/17/2007 | FS | NA | 10 U[U] | 10 U[U] | NA | 10 U[U] | NA | 10 U[U] | NA | NA | NA | 10 U[U] | NA | 20 U[U] | 20 U[U] | 10 U[U] | 10 U[U] | 60 U[U] |
| PMW-1 | ND40-WTRPMW-1-4Q05-A | 11/3/2005 | FS | NA | 5.1 U[U] | 5.1 U[U] | NA | 5.1 U[U] | 5.1 U[U] | 5.1 U[U] | NA | NA | NA | 5.1 U[U] | NA | 13 U[U] | 5.1 U[U] | 5.1 U[U] | 5.1 U[U] | 13 U[U] |
| | ND40-WTRPMW-1-4Q05-B | 11/3/2005 | FD | NA | 5 U[U] | 5 U[U] | NA | 5 U[U] | 5 U[U] | 5 U[U] | NA | NA | NA | 5 U[U] | NA | 13 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 13 U[U] |
| | ND40-WTRPMW-1-1Q06-A | 1/31/2006 | FS | NA | 5.6 U[U] | 5.6 U[U] | NA | 5.6 U[U] | 5.6 U[U] | 5.6 U[U] | NA | NA | NA | 5.6 U[U] | NA | 14 U[U] | 5.6 U[U] | 5.6 U[U] | 5.6 U[U] | 14 U[U] |
| | ND40-WTRPMW-1-1Q06-B | 1/31/2006 | FD | NA | 5.2 U[U] | 5.2 U[U] | NA | 5.2 U[U] | 5.2 U[U] | 5.2 U[U] | NA | NA | NA | 5.2 U[U] | NA | 13 U[U] | 5.2 U[U] | 5.2 U[U] | 5.2 U[U] | 13 U[U] |
| | ND40-WTRPMW-1-2Q06-A | 4/19/2006 | FS | NA | 5 UJ[UJ] | 5 UJ[UJ] | NA | 5 UJ[UJ] | 5 UJ[UJ] | 5 UJ[UJ] | NA | NA | NA | 5 UJ[UJ] | NA | 13 UJ[UJ] | 5 UJ[UJ] | 5 UJ[UJ] | 5 UJ[UJ] | 13 UJ[UJ] |
| | ND40-WTRPMW-1-2Q06-B | 4/19/2006 | FD | NA | 5 UJ[UJ] | 5 UJ[UJ] | NA | 5 UJ[UJ] | 5 UJ[UJ] | 5 UJ[UJ] | NA | NA | NA | 5 UJ[UJ] | NA | 13 UJ[UJ] | 5 UJ[UJ] | 5 UJ[UJ] | 5 UJ[UJ] | 13 UJ[UJ] |
| | ND40-WTRPMW-1-3Q06-A | 7/12/2006 | FS | NA | 10 U[U] | 10 U[U] | NA | 10 U[U] | NA | 10 U[U] | NA | NA | NA | 10 U[U] | NA | 20 U[U] | 20 U[U] | 10 U[U] | 10 U[U] | 60 U[U] |
| | ND40-WTRPMW-1-1Q07-A | 3/7/2007 | FS | NA | 10 UJ[UJ] | 10 UJ[UJ] | NA | 10 UJ[UJ] | NA | 10 UJ[UJ] | NA | NA | NA | 10 UJ[UJ] | NA | 20 UJ[UJ] | 20 UJ[UJ] | 10 UJ[UJ] | 10 UJ[UJ] | 60 UJ[UJ] |
| | ND40-WTRPMW-1-1Q07-B | 3/7/2007 | FD | NA | **10 R[R]** | **10 R[R]** | NA | **10 R[R]** | NA | **10 R[R]** | NA | NA | NA | 10 UJ[UJ] | NA | **20 R[R]** | **20 R[R]** | **10 R[R]** | **10 R[R]** | **60 R[R]** |
| | ND40-WTRPMW-1-4Q07-A | 10/16/2007 | FS | NA | 10 U[U] | 10 U[U] | NA | 10 U[U] | NA | 10 U[U] | NA | NA | NA | 10 U[U] | NA | 20 U[U] | 20 U[U] | 10 U[U] | 10 U[U] | 60 U[U] |
| | ND40-WTRPMW-1-1Q08-A | 4/9/2008 | FS | NA | 10 U[U] | 10 U[U] | NA | 10 U[U] | NA | 10 U[U] | NA | NA | NA | 10 U[U] | NA | 20 U[U] | 20 U[U] | 10 U[U] | 10 U[U] | 60 U[U] |
| | ND40-WTRPMW-1-1Q09-A | 4/8/2009 | FS | NA | 10 U[U] | 0.39 U[U] | NA | 10 U[U] | NA | 10 U[U] | NA | NA | NA | 10 U[U] | NA | 20 U[U] | 20 U[U] | 10 U[U] | 10 U[U] | 60 U[U] |
| | ND40-WTRPMW-1-1Q10-A | 4/13/2010 | FS | NA | 0.28 U[U] | 0.23 U[U] | NA | 0.3 U[U] | NA | 0.31 U[U] | NA | NA | NA | 0.28 U[U] | NA | 0.44 U[U] | 0.29 U[U] | 0.63 U[U] | 0.57 U[U] | 9.8 U[U] |
| | ND40-WTRPMW-1-2012-A | 8/9/2012 | FS | NA | 0.28 U[U] | 0.23 U[U] | NA | 0.3 U[U] | NA | 0.32 U[U] | NA | NA | NA | 0.28 U[U] | NA | 0.44 U[U] | 0.29 U[U] | 0.63 U[U] | 0.57 U[U] | 9.9 U[U] |
| | ND40-WTRPMW-1-2013-A | 5/22/2013 | FS | NA | 0.27 U[U] | 0.22 U[U] | NA | 0.29 U[U] | NA | 0.31 U[U] | NA | NA | NA | 0.27 U[U] | NA | 0.44 U[U] | 0.28 U[U] | 0.62 U[U] | 0.56 U[U] | 9.7 U[U] |
| | ND40-WTRPMW-1-2014-A | 5/13/2014 | FS | NA | 0.27 U[U] | 0.22 U[U] | NA | 0.29 U[U] | NA | 0.31 U[U] | NA | NA | NA | 0.27 U[U] | NA | 0.44 U[U] | 0.28 U[U] | 0.63 U[U] | 0.57 U[U] | 9.8 U[U] |
| | ND40-WTRPMW-1-2015-A | 5/6/2015 | FS | NA | 9.5 U[U] | 9.5 U[U] | NA | 9.5 U[U] | NA | 9.5 U[U] | NA | NA | NA | 9.5 U[U] | NA | 19 U[U] | 19 U[U] | 9.5 U[U] | 9.5 U[U] | 57 U[U] |
| | NAAD40-PMW-1-00 | 5/9/2016 | FS | 4.5 U[U] | 1 U[U] | 0.51 U[U] | 0.51 U[U] | 1 U[U] | NA | 1 U[U] | 4.5 U[U] | 51 U[U] | 10 U[U] | 1 U[U] | 4.5 U[U] | 1 U[U] | 1 U[U] | 2 U[U] | 2 U[U] | 31 U[U] |
| | NAAD40-PMW-1-00 | 5/4/2017 | FS | 4.4 U[U] | 0.99 U[U] | 0.5 U[U] | 0.5 U[U] | 0.99 U[U] | NA | 0.99 U[U] | 4.4 U[U] | 50 U[U] | 9.9 U[U] | 0.99 U[U] | 4.4 U[U] | 0.99 U[U] | 0.99 U[U] | 2 U[U] | 2 U[U] | 30 U[U] |
| | NAAD40-PMW1-00 | 5/24/2018 | FS | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | NA | 2.63 U[U] | NA | 2.63 U[U] | 5.26 U[U] | 2.63 U[UJ] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 13.2 U[U] |
| | NAAD40-PMW1-00 | 5/1/2019 | FS | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | NA | 5 U[U] | 1 U[U] | 5 U[UJ] | 5 U[R] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 25 U[U] |
| PMW-2 | ND40-WTRPMW-2-4Q05-A | 11/4/2005 | FS | NA | 5.1 U[U] | 5.1 U[U] | NA | 5.1 U[U] | 5.1 U[U] | 5.1 U[U] | NA | NA | NA | 5.1 U[U] | NA | 13 U[U] | 5.1 U[U] | 5.1 U[U] | 5.1 U[U] | 13 U[U] |
| | ND40-WTRPMW-2-1Q06-A | 1/31/2006 | FS | NA | 5.2 U[U] | 5.2 U[U] | NA | 5.2 U[U] | 5.2 U[U] | 5.2 U[U] | NA | NA | NA | 5.2 U[U] | NA | 13 U[U] | 5.2 U[U] | 5.2 U[U] | 5.2 U[U] | 13 U[U] |
| | ND40-WTRPMW-2-2-Q06-A | 4/19/2006 | FS | NA | 5.9 UJ[UJ] | 5.9 UJ[UJ] | NA | 5.9 UJ[UJ] | 5.9 UJ[UJ] | 5.9 UJ[UJ] | NA | NA | NA | 5.9 UJ[UJ] | NA | 15 UJ[UJ] | 5.9 UJ[UJ] | 5.9 UJ[UJ] | 5.9 UJ[UJ] | 15 UJ[UJ] |
| | ND40-WTRPMW-2-3Q06-A | 7/12/2006 | FS | NA | 10 U[U] | 10 U[U] | NA | 10 U[U] | NA | 10 U[U] | NA | NA | NA | 10 U[U] | NA | 20 U[U] | 20 U[U] | 10 U[U] | 10 U[U] | 60 U[U] |
| | ND40-WTRPMW-2-1Q07-A | 3/7/2007 | FS | NA | 10 UJ[UJ] | 10 UJ[UJ] | NA | 10 UJ[UJ] | NA | 10 UJ[UJ] | NA | NA | NA | 10 UJ[UJ] | NA | 20 UJ[UJ] | 20 UJ[UJ] | 10 UJ[UJ] | 10 UJ[UJ] | 60 UJ[UJ] |
| | ND40-WTRPMW-2-4Q07-A | 10/16/2007 | FS | NA | 10 U[U] | 10 U[U] | NA | 10 U[U] | NA | 10 U[U] | NA | NA | NA | 10 U[U] | NA | 20 U[U] | 20 U[U] | 10 U[U] | 10 U[U] | 60 U[U] |
| | ND40-WTRPMW-2-1Q08-A | 4/9/2008 | FS | NA | 10 U[U] | 10 U[U] | NA | 10 U[U] | NA | 10 U[U] | NA | NA | NA | 10 U[U] | NA | 20 U[U] | 20 U[U] | 10 U[U] | 10 U[U] | 60 U[U] |
| | ND40-WTRPMW-2-1Q09-A | 4/8/2009 | FS | NA | 10 U[U] | 10 U[U] | NA | 10 U[U] | NA | 10 U[U] | NA | NA | NA | 10 U[U] | NA | 20 U[U] | 20 U[U] | 10 U[U] | 10 U[U] | 60 U[U] |
| | ND40-WTRPMW-2-1Q10-A | 4/13/2010 | FS | NA | 0.27 U[U] | 0.22 U[U] | NA | 0.29 U[U] | NA | 0.3 U[U] | NA | NA | NA | 0.27 U[U] | NA | 0.43 U[U] | 0.28 U[U] | 0.61 U[U] | 0.55 U[U] | 9.5 U[U] |
| | ND40-WTRPMW-2-2012-A | 8/8/2012 | FS | NA | 0.27 U[U] | 0.22 U[U] | NA | 0.29 U[U] | NA | 0.31 U[U] | NA | NA | NA | 0.27 U[U] | NA | 0.44 U[U] | 0.28 U[U] | 0.62 U[U] | 0.56 U[U] | 9.7 U[U] |
| | ND40-WTRPMW-2-2013-A | 5/22/2013 | FS | NA | 0.27 U[U] | 0.22 U[U] | NA | 0.29 U[U] | NA | 0.3 U[U] | NA | NA | NA | 0.27 U[U] | NA | 0.43 U[U] | 0.28 U[U] | 0.61 U[U] | 0.55 U[U] | 9.5 U[U] |
| | ND40-WTRPMW-2-2014-A | 5/13/2014 | FS | NA | 0.28 U[U] | 0.23 U[U] | NA | 0.3 U[U] | NA | 0.32 U[U] | NA | NA | NA | 0.28 U[U] | NA | 0.45 U[U] | 0.29 U[U] | 0.64 U[U] | 0.58 U[U] | 10 U[U] |
| | ND40-WTRPMW-2-2014-B | 5/13/2014 | FD | NA | 0.28 U[U] | 0.23 U[U] | NA | 0.3 U[U] | NA | 0.32 U[U] | NA | NA | NA | 0.28 U[U] | NA | 0.45 U[U] | 0.29 U[U] | 0.64 U[U] | 0.58 U[U] | 10 U[U] |
| | ND40-WTRPMW-2-2015-A | 5/7/2015 | FS | NA | 9.5 U[U] | 9.5 U[U] | NA | 9.5 U[U] | NA | 9.5 U[U] | NA | NA | NA | 9.5 U[U] | NA | 19 UJ[UJ] | 19 UJ[UJ] | 9.5 UJ[UJ] | 9.5 UJ[UJ] | 57 UJ[UJ] |
| | NAAD40-PMW-2-00 | 5/9/2016 | FS | 4.4 U[U] | 1 U[U] | 0.5 U[U] | 0.51 U[U] | 1 U[U] | NA | 1 U[U] | 4.4 U[U] | 50 U[U] | 10 U[U] | 1 U[U] | 4.4 U[U] | 1 U[U] | 1 U[U] | 2 U[U] | 2 U[U] | 30 U[U] |
| | NAAD40-PMW-2-01 | 5/9/2016 | FD | 4.4 U[U] | 1 U[U] | 0.5 U[U] | 0.5 U[U] | 1 U[U] | NA | 1 U[U] | 4.4 U[U] | 50 U[U] | 10 U[U] | 1 U[U] | 4.4 U[U] | 1 U[U] | 1 U[U] | 2 U[U] | 2 U[U] | 30 U[U] |
| | NAAD40-PMW-2-00 | 5/3/2017 | FS | 4.5 U[U] | 1 U[U] | 0.51 U[U] | 0.51 U[U] | 1 U[U] | NA | 1 U[U] | 4.5 U[U] | 51 U[U] | 10 U[U] | 1 U[U] | 4.5 U[U] | 1 U[U] | 1 U[U] | 2 U[U] | 2 U[U] | 31 U[U] |
| | NAAD40-PMW2-00 | 5/23/2018 | FS | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | NA | 2.63 U[U] | NA | 2.63 U[U] | 5.26 U[U] | 2.63 U[UJ] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 13.2 U[U] |
| | NAAD40-PMW2-00 | 4/30/2019 | FS | 5.56 U[U] | 5.56 U[U] | 5.56 U[U] | 5.56 U[U] | 5.56 U[U] | NA | 5.56 U[U] | 0.556 U[U] | 5.56 U[UJ] | 5.56 U[R] | 5.56 U[U] | 5.56 U[U] | 5.56 U[U] | 5.56 U[U] | 5.56 U[U] | 5.56 U[U] | 27.8 U[U] |

**Table H-2**
**Cumulative Analytical Data**
**NAAD-40**

| | | | Analysis Group | SVOCs | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Analyte | 1,2,4,5-Tetrachlorobenzene | 1,2,4-Trichlorobenzene | 1,2-Dichlorobenzene | 1,2-Diphenylhydrazine | 1,3-Dichlorobenzene | 1,3-Diethyl-1,3-Diphenyl Urea | 1,4-Dichlorobenzene | 1,4-Dioxane | 1,4-Naphthoquinone | 1-Naphthylamine | 2,2'-oxybis[1-chloropropane] | 2,3,4,6-Tetrachlorophenol | 2,4,5-Trichlorophenol | 2,4,6-Trichlorophenol | 2,4-Dichlorophenol | 2,4-Dimethylphenol | 2,4-Dinitrophenol |
| | | | CAS No. | 95-94-3 | 120-82-1 | 95-50-1 | 122-66-7 | 541-73-1 | 85-98-3 | 106-46-7 | 123-91-1 | 130-15-4 | 134-32-7 | 108-60-1 | 58-90-2 | 95-95-4 | 88-06-2 | 120-83-2 | 105-67-9 | 51-28-5 |
| | | | Units | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L |
| | | | PAL | 1.7 | 70 | 600 | 0.078 | NE | NE | 75 | 0.46 | NE | NE | 710 | 240 | 1200 | 4.1 | 46 | 360 | 39 |
| Station | Sample ID | Date | Type | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| PMW-3 | ND40-WTRPMW-3-4Q05-A | 11/4/2005 | FS | NA | 5.1 U[U] | 5.1 U[U] | NA | 5.1 U[U] | 5.1 U[U] | 5.1 U[U] | NA | NA | NA | 5.1 U[U] | NA | 13 U[U] | 5.1 U[U] | 5.1 U[U] | 5.1 U[U] | 13 U[U] |
| | ND40-WTRPMW-3-1Q06-A | 1/31/2006 | FS | NA | 5.5 U[U] | 5.5 U[U] | NA | 5.5 U[U] | 5.5 U[U] | 5.5 U[U] | NA | NA | NA | 5.5 U[U] | NA | 14 U[U] | 5.5 U[U] | 5.5 U[U] | 5.5 U[U] | 14 U[U] |
| | ND40-WTRPMW-3-2Q06-A | 4/19/2006 | FS | NA | 5.3 UJ[UJ] | 5.3 UJ[UJ] | NA | 5.3 UJ[UJ] | 5.3 UJ[UJ] | 5.3 UJ[UJ] | NA | NA | NA | 5.3 UJ[UJ] | NA | 13 UJ[UJ] | 5.3 UJ[UJ] | 5.3 UJ[UJ] | 5.3 UJ[UJ] | 13 UJ[UJ] |
| | ND40-WTRPMW-3-3Q06-A | 7/12/2006 | FS | NA | 10 U[U] | 10 U[U] | NA | 10 U[U] | NA | 10 U[U] | NA | NA | NA | 10 U[U] | NA | 20 U[U] | 20 U[U] | 10 U[U] | 10 U[U] | 60 U[U] |
| | ND40-WTRPMW-3-3Q06-B | 7/12/2006 | FD | NA | 10 U-U | 10 U-U | NA | 10 U-U | NA | 10 U-U | NA | NA | NA | 10 U-U | NA | 20 U-U | 20 U-U | 10 U-U | 10 U-U | 60 U-U |
| | ND40-WTRPMW-3-1Q07-A | 3/7/2007 | FS | NA | 10 UJ[UJ] | 10 UJ[UJ] | NA | 10 UJ[UJ] | NA | **10 R[R]** | NA | NA | NA | 10 UJ[UJ] | NA | 20 UJ[UJ] | 20 UJ[UJ] | 10 UJ[UJ] | 10 UJ[UJ] | 60 UJ[UJ] |
| | ND40-WTRPMW-3-4Q07-A | 10/16/2007 | FS | NA | 10 U[U] | 10 U[U] | NA | 10 U[U] | NA | 10 U[U] | NA | NA | NA | 10 U[U] | NA | 20 U[U] | 20 U[U] | 10 U[U] | 10 U[U] | 60 U[U] |
| | ND40-WTRPMW-3-4Q07-B | 10/16/2007 | FD | NA | 10 U[U] | 10 U[U] | NA | 10 U[U] | NA | 10 U[U] | NA | NA | NA | 10 U[U] | NA | 20 U[U] | 20 U[U] | 10 U[U] | 10 U[U] | 60 U[U] |
| | ND40-WTRPMW-3-1Q08-A | 4/9/2008 | FS | NA | 10 U[U] | 10 U[U] | NA | 10 U[U] | NA | 10 U[U] | NA | NA | NA | 10 U[U] | NA | 20 U[U] | 20 U[U] | 10 U[U] | 10 U[U] | 60 U[U] |
| | ND40-WTRPMW-3-1Q08-B | 4/9/2008 | FD | NA | 10 U[U] | 10 U[U] | NA | 10 U[U] | NA | 10 U[U] | NA | NA | NA | 10 U[U] | NA | 20 U[U] | 20 U[U] | 10 U[U] | 10 U[U] | 60 U[U] |
| | ND40-WTRPMW-3-1Q09-A | 4/8/2009 | FS | NA | 10 U[U] | 10 U[U] | NA | 10 U[U] | NA | 10 U[U] | NA | NA | NA | 10 U[U] | NA | 20 U[U] | 20 U[U] | 10 U[U] | 10 U[U] | 60 U[U] |
| | ND40-WTRPMW-3-1Q09-B | 4/8/2009 | FD | NA | 10 U[U] | 0.38 U[U] | NA | 10 U[U] | NA | 10 U[U] | NA | NA | NA | 10 U[U] | NA | 20 U[U] | 20 U[U] | 10 U[U] | 10 U[U] | 60 U[U] |
| | ND40-WTRPMW-3-1Q10-A | 4/13/2010 | FS | NA | 0.27 U[U] | 0.22 U[U] | NA | 0.29 U[U] | NA | 0.31 U[U] | NA | NA | NA | 0.27 U[U] | NA | 0.43 U[U] | 0.28 U[U] | 0.61 U[U] | 0.56 U[U] | 9.6 U[U] |
| | ND40-WTRPMW-3-1Q10-B | 4/13/2010 | FD | NA | 0.27 U[U] | 0.22 U[U] | NA | 0.28 U[U] | NA | 0.3 U[U] | NA | NA | NA | 0.27 U[U] | NA | 0.43 U[U] | 0.28 U[U] | 0.61 U[U] | 0.55 U[U] | 9.5 U[U] |
| | ND40-WTRPMW-3-2012-A | 8/8/2012 | FS | NA | **4.3 [J]** | 0.22 U[U] | NA | 0.29 U[U] | NA | 0.3 U[U] | NA | NA | NA | 0.27 U[U] | NA | 0.43 U[U] | 0.28 U[U] | 0.61 U[U] | 0.55 U[U] | 9.5 U[U] |
| | ND40-WTRPMW-3-2012-B | 8/8/2012 | FD | NA | 0.27 U[U] | 0.22 U[U] | NA | 0.28 U[U] | NA | 0.3 U[U] | NA | NA | NA | 0.27 U[U] | NA | 0.43 U[U] | 0.27 U[U] | 0.61 U[U] | 0.55 U[U] | 9.5 U[U] |
| | ND40-WTRPMW-3-2013-A | 5/22/2013 | FS | NA | 0.26 U[U] | 0.22 U[U] | NA | 0.28 U[U] | NA | 0.3 U[U] | NA | NA | NA | 0.26 U[U] | NA | 0.42 U[U] | 0.27 U[U] | 0.6 U[U] | 0.55 U[U] | 9.4 U[U] |
| | ND40-WTRPMW-3-2013-B | 5/22/2013 | FD | NA | 0.27 U[U] | 0.22 U[U] | NA | 0.28 U[U] | NA | 0.3 U[U] | NA | NA | NA | 0.27 U[U] | NA | 0.43 U[U] | 0.28 U[U] | 0.61 U[U] | 0.55 U[U] | 9.5 U[U] |
| | ND40-WTRPMW-3-2014-A | 5/13/2014 | FS | NA | 0.28 U[U] | 0.23 U[U] | NA | 0.3 U[U] | NA | 0.32 U[U] | NA | NA | NA | 0.28 U[U] | NA | 0.45 U[U] | 0.29 U[U] | 0.64 U[U] | 0.58 U[U] | 10 U[U] |
| | ND40-WTRPMW-3-2015-A | 5/7/2015 | FS | NA | 9.6 U[U] | 9.6 U[U] | NA | 9.6 U[U] | NA | 9.6 U[U] | NA | NA | NA | 9.6 U[U] | NA | 19 U[U] | 19 U[U] | 9.6 U[U] | 9.6 U[U] | 58 U[U] |
| | ND40-WTRPMW-3-2015-B | 5/7/2015 | FD | NA | 9.5 U[U] | 9.5 U[U] | NA | 9.5 U[U] | NA | 9.5 U[U] | NA | NA | NA | 9.5 U[U] | NA | 19 U[U] | 19 U[U] | 9.5 U[U] | 9.5 U[U] | 57 U[U] |
| | NAAD40-PMW-3-00 | 5/9/2016 | FS | 4.3 U[U] | 0.98 U[U] | 0.49 U[U] | 0.49 U[U] | 0.98 U[U] | NA | 0.98 U[U] | 4.3 U[U] | 49 U[U] | 9.8 U[U] | 0.98 U[U] | 4.3 U[U] | 0.98 U[U] | 0.98 U[U] | 2 U[U] | 2 U[U] | 29 U[U] |
| | NAAD40-PMW-3-00 | 5/4/2017 | FS | 4.6 U[U] | 1.1 U[U] | 0.53 U[U] | 0.53 U[U] | 1.1 U[U] | NA | 1.1 U[U] | 4.6 U[U] | 53 U[U] | 11 U[U] | 1.1 U[U] | 4.6 U[U] | 1.1 U[U] | 1.1 U[U] | 2.1 U[U] | 2.1 U[U] | 32 U[U] |
| | NAAD40-PMW3-00 | 5/24/2018 | FS | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | NA | 2.63 U[U] | NA | 2.63 U[U] | 5.26 U[U] | 2.63 U[UJ] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 13.2 U[U] |
| | NAAD40-PMW3-00 | 4/30/2019 | FS | 5.56 U[U] | 5.56 U[U] | 5.56 U[U] | 5.56 U[U] | 5.56 U[U] | NA | 5.56 U[U] | 0.556 U[U] | 5.56 U[UJ] | 5.56 U[U] | 5.56 U[U] | 5.56 U[U] | 5.56 U[U] | 5.56 U[U] | 5.56 U[U] | 5.56 U[U] | 27.8 U[U] |
| | NAAD40-PMW3-01 | 4/30/2019 | FD | 5.56 UQ[U] | 5.56 UQ[U] | 5.56 UQ[U] | 5.56 UQ[U] | 5.56 UQ[U] | NA | 5.56 UQ[U] | **0.703 J[J]** | 5.56 UQ[UJ] | 5.56 UQ[U] | 5.56 UQ[U] | 5.56 UQ[UJ] | 5.56 UQ[UJ] | 5.56 UQ[UJ] | 5.56 UQ[UJ] | 5.56 UQ[UJ] | 27.8 UQ[UJ] |
| PMW-4 | ND40-WTRPMW-4-1Q08-A | 4/10/2008 | FS | NA | 10 U[U] | 10 U[U] | NA | 10 U[U] | NA | 10 U[U] | NA | NA | NA | 10 U[U] | NA | 20 U[U] | 20 U[U] | 10 U[U] | 10 U[U] | 60 U[U] |
| | ND40-WTRPMW-4-1Q09-A | 4/8/2009 | FS | NA | 10 U[U] | 0.35 U[U] | NA | 10 U[U] | NA | 10 U[U] | NA | NA | NA | 10 U[U] | NA | 20 U[U] | 20 U[U] | 10 U[U] | 10 U[U] | 60 U[U] |
| | ND40-WTRPMW-4-1Q10-A | 4/13/2010 | FS | NA | 0.28 U[U] | 0.23 U[U] | NA | 0.3 U[U] | NA | 0.32 U[U] | NA | NA | NA | 0.28 U[U] | NA | 0.45 U[U] | 0.29 U[U] | 0.64 U[U] | 0.58 U[U] | 9.9 U[U] |
| | ND40-WTRPMW-4-2015-A | 5/7/2015 | FS | NA | 9.5 U[U] | 9.5 U[U] | NA | 9.5 U[U] | NA | 9.5 U[U] | NA | NA | NA | 9.5 U[U] | NA | 19 U[U] | 19 U[U] | 9.5 U[U] | 9.5 U[U] | 57 U[U] |
| | NAAD40-PMW-4-00 | 5/9/2016 | FS | 4.2 U[UJ] | 0.96 U[UJ] | 0.48 U[UJ] | 0.48 U[UJ] | 0.96 U[UJ] | NA | 0.96 U[UJ] | 4.2 U[UJ] | 48 U[UJ] | 9.6 U[UJ] | 0.96 U[UJ] | 4.2 U[U] | 0.96 U[U] | 0.96 U[U] | 1.9 U[U] | 1.9 U[U] | 29 U[U] |
| | NAAD40-PMW-4-00 | 5/4/2017 | FS | 4.5 U[U] | 1 U[U] | 0.51 U[U] | 0.51 U[U] | 1 U[U] | NA | 1 U[U] | 4.5 U[U] | 51 U[U] | 10 U[U] | 1 U[U] | 4.5 U[U] | 1 U[U] | 1 U[U] | 2 U[U] | 2 U[U] | 30 U[U] |
| | NAAD40-PMW-4-01 | 5/4/2017 | FD | 4.5 U[U] | 1 U[U] | 0.51 U[U] | 0.51 U[U] | 1 U[U] | NA | 1 U[U] | 4.5 U[U] | 51 U[U] | 10 U[U] | 1 U[U] | 4.5 U[U] | 1 U[U] | 1 U[U] | 2 U[U] | 2 U[U] | 30 U[U] |
| | NAAD40-PMW4-00 | 4/30/2019 | FS | 5.74 U[U] | 5.74 U[U] | 5.74 U[U] | 5.74 U[U] | 5.74 U[U] | NA | 5.74 U[U] | **0.997 J[J]** | 5.74 U[UJ] | 5.74 U[U] | 5.75 U[U] | 5.74 U[U] | 5.74 U[U] | 5.74 U[U] | 5.74 U[U] | 5.74 U[U] | 28.7 U[U] |

**Table H-2**
**Cumulative Analytical Data**
**NAAD-40**

| | | | Analysis Group | SVOCs | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Analyte | 1,2,4,5-Tetrachlorobenzene | 1,2,4-Trichlorobenzene | 1,2-Dichlorobenzene | 1,2-Diphenylhydrazine | 1,3-Dichlorobenzene | 1,3-Diethyl-1,3-Diphenyl Urea | 1,4-Dichlorobenzene | 1,4-Dioxane | 1,4-Naphthoquinone | 1-Naphthylamine | 2,2'-oxybis[1-chloropropane] | 2,3,4,6-Tetrachlorophenol | 2,4,5-Trichlorophenol | 2,4,6-Trichlorophenol | 2,4-Dichlorophenol | 2,4-Dimethylphenol | 2,4-Dinitrophenol |
| | | | CAS No. | 95-94-3 | 120-82-1 | 95-50-1 | 122-66-7 | 541-73-1 | 85-98-3 | 106-46-7 | 123-91-1 | 130-15-4 | 134-32-7 | 108-60-1 | 58-90-2 | 95-95-4 | 88-06-2 | 120-83-2 | 105-67-9 | 51-28-5 |
| | | | Units | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L |
| | | | PAL | 1.7 | 70 | 600 | 0.078 | NE | NE | 75 | 0.46 | NE | NE | 710 | 240 | 1200 | 4.1 | 46 | 360 | 39 |
| Station | Sample ID | Date | Type | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| PMW-5 | ND40-WTRPMW-5-4Q05-A | 11/3/2005 | FS | NA | 5.1 U[U] | 5.1 U[U] | NA | 5.1 U[U] | 5.1 U[U] | 5.1 U[U] | NA | NA | NA | 5.1 U[U] | NA | 13 U[U] | 5.1 U[U] | 5.1 U[U] | 5.1 U[U] | 13 U[U] |
| | ND40-WTRPMW-5-1Q06-A | 1/31/2006 | FS | NA | 5.4 U[U] | 5.4 U[U] | NA | 5.4 U[U] | 5.4 U[U] | 5.4 U[U] | NA | NA | NA | 5.4 U[U] | NA | 14 U[U] | 5.4 U[U] | 5.4 U[U] | 5.4 U[U] | 14 U[U] |
| | ND40-WTRPMW-5-2Q06-A | 4/19/2006 | FS | NA | 5.1 UJ[UJ] | 5.1 UJ[UJ] | NA | 5.1 UJ[UJ] | 5.1 UJ[UJ] | 5.1 UJ[UJ] | NA | NA | NA | 5.1 UJ[UJ] | NA | 13 UJ[UJ] | 5.1 UJ[UJ] | 5.1 UJ[UJ] | 5.1 UJ[UJ] | 13 UJ[UJ] |
| | ND40-WTRPMW-5-3Q06-A | 7/12/2006 | FS | NA | 10 U[U] | 10 U[U] | NA | 10 U[U] | NA | 10 U[U] | NA | NA | NA | 10 U[U] | NA | 20 U[U] | 20 U[U] | 10 U[U] | 10 U[U] | 60 U[U] |
| | ND40-WTRPMW-5-1Q07-A | 3/7/2007 | FS | NA | 10 UJ[UJ] | 10 UJ[UJ] | NA | 10 UJ[UJ] | NA | 10 UJ[UJ] | NA | NA | NA | 10 UJ[UJ] | NA | 20 UJ[UJ] | 20 UJ[UJ] | 10 UJ[UJ] | 10 UJ[UJ] | 60 UJ[UJ] |
| | ND40-WTRPMW-5-1Q08-A | 4/9/2008 | FS | NA | 10 U[U] | 10 U[U] | NA | 10 U[U] | NA | 10 U[U] | NA | NA | NA | 10 U[U] | NA | 20 U[U] | 20 U[U] | 10 U[U] | 10 U[U] | 60 U[U] |
| | ND40-WTRPMW-5-1Q09-A | 4/8/2009 | FS | NA | 10 U[U] | 0.36 U[U] | NA | 10 U[U] | NA | 10 U[U] | NA | NA | NA | 10 U[U] | NA | 20 U[U] | 20 U[U] | 10 U[U] | **1 J[J]** | 60 U[U] |
| | ND40-WTRPMW-5-1Q10-A | 4/13/2010 | FS | NA | 0.27 U[U] | 0.23 U[U] | NA | 0.29 U[U] | NA | 0.31 U[U] | NA | NA | NA | 0.27 U[U] | NA | 0.44 U[U] | 0.28 U[U] | 0.63 U[U] | 0.57 U[U] | 9.8 U[U] |
| | ND40-WTRPMW-5-2012-A | 8/8/2012 | FS | NA | 0.27 U[U] | 0.22 U[U] | NA | 0.29 U[U] | NA | 0.31 U[U] | NA | NA | NA | 0.27 U[U] | NA | 0.43 U[U] | 0.28 U[U] | 0.62 U[U] | 0.56 U[U] | 9.6 U[U] |
| | ND40-WTRPMW-5-2013-A | 5/22/2013 | FS | NA | 0.27 U[U] | 0.22 U[U] | NA | 0.28 U[U] | NA | 0.3 U[U] | NA | NA | NA | 0.27 U[U] | NA | 0.43 U[U] | 0.27 U[U] | 0.61 U[U] | 0.55 U[U] | 9.5 U[U] |
| | ND40-WTRPMW-5-2014-A | 5/13/2014 | FS | NA | 0.28 U[U] | 0.23 U[U] | NA | 0.3 U[U] | NA | 0.32 U[U] | NA | NA | NA | 0.28 U[U] | NA | 0.45 U[U] | 0.29 U[U] | 0.64 U[U] | 0.58 U[U] | 10 U[U] |
| | ND40-WTRPMW-5-2015-A | 5/6/2015 | FS | NA | 9.8 U[U] | 9.8 U[U] | NA | 9.8 U[U] | NA | 9.8 U[U] | NA | NA | NA | 9.8 U[U] | NA | 20 U[U] | 20 U[U] | 9.8 U[U] | 9.8 U[U] | 59 U[U] |
| | NAAD40-PMW-5-00 | 5/9/2016 | FS | 4.2 U[U] | 0.96 U[U] | 0.48 U[U] | 0.49 U[U] | 0.96 U[U] | NA | 0.96 U[U] | 4.2 U[U] | 48 U[U] | 9.6 U[U] | 0.96 U[U] | 4.2 U[U] | 0.96 U[U] | 0.96 U[U] | 1.9 U[U] | 1.9 U[U] | 29 U[U] |
| | NAAD40-PMW-5-00 | 5/4/2017 | FS | 4.5 U[U] | 1 U[U] | 0.52 U[U] | 0.52 U[U] | 1 U[U] | NA | 1 U[U] | 4.5 U[U] | 52 U[U] | 10 U[U] | 1 U[U] | 4.5 U[U] | 1 U[U] | 1 U[U] | 2.1 U[U] | 2.1 UJ[U J] | 31 U[U] |
| | NAAD40-PMW5-00 | 5/24/2018 | FS | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | NA | 2.63 U[U] | NA | 2.63 U[U] | 5.26 U[U] | 2.63 U[UJ] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 13.2 U[U] |
| | NAAD40-PMW5-01 | 5/24/2018 | FD | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | NA | 2.63 U[U] | NA | 2.63 U[U] | 5.26 U[U] | 2.63 U[UJ] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 13.2 U[U] |
| | NAAD40-PMW5-00 | 4/30/2019 | FS | 5.62 U[U] | 5.62 U[U] | 5.62 U[U] | 5.62 U[U] | 5.62 U[U] | NA | 5.62 U[U] | 0.562 U[U] | 5.62 U[UJ] | 5.62 U[U] | 5.62 U[U] | 5.62 U[U] | 5.62 U[U] | 5.62 U[U] | 5.62 U[U] | 5.62 U[U] | 28.1 U[U] |

**Table H-2**
**Cumulative Analytical Data**
**NAAD-40**

| | | | Analysis Group | SVOCs | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Analyte | 2,4-Dinitrotoluene | 2,6-Dichlorophenol | 2,6-Dinitrotoluene | 2-Acetylaminofluorene | 2-Chlorobenzaldehyde | 2-Chlorobenzoic Acid | 2-Chloronaphthalene | 2-Chlorophenol | 2-Methyl-3-Nitroaniline | 2-Methylnaphthalene | 2-Methylphenol | 2-Naphthylamine | 2-Nitroaniline | 2-Nitrodiphenylamine | 2-Nitrophenol | 2-Picoline | 2-Toluidine |
| | | | CAS No. | 121-14-2 | 87-65-0 | 606-20-2 | 53-96-3 | 89-98-5 | 118-91-2 | 91-58-7 | 95-57-8 | 603-83-8 | 91-57-6 | 95-48-7 | 91-59-8 | 88-74-4 | 119-75-5 | 88-75-5 | 109-06-8 | 95-53-4 |
| | | | Units | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L |
| | | | PAL | 0.24 | NE | 0.049 | 0.016 | NE | NE | 750 | 91 | NE | 36 | 930 | 0.039 | 190 | NE | NE | NE | 4.7 |
| Station | Sample ID | Date | Type | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| FSL5 | FSL5 | 10/17/2007 | FS | 20 U[U] | NA | 20 U[U] | NA | NA | NA | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | NA | 50 U[U] | NA | 20 U[U] | NA | NA |
| PMW-1 | ND40-WTRPMW-1-4Q05-A | 11/3/2005 | FS | 5.1 U[U] | NA | 5.1 U[U] | NA | 5.1 U[U] | **25 R[R]** | 5.1 U[U] | 5.1 U[U] | 5.1 U[U] | 5.1 U[U] | 5.1 U[U] | NA | 13 U[U] | 5.1 U[U] | 5.1 U[U] | NA | NA |
| | ND40-WTRPMW-1-4Q05-B | 11/3/2005 | FD | 5 U[U] | NA | 5 U[U] | NA | 5 U[U] | **25 R[R]** | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | NA | 13 U[U] | 5 U[U] | 5 U[U] | NA | NA |
| | ND40-WTRPMW-1-1Q06-A | 1/31/2006 | FS | 5.6 U[U] | NA | 5.6 U[U] | NA | 5.6 U[U] | **28 R[R]** | 5.6 U[U] | 5.6 U[U] | 5.6 U[U] | 5.6 U[U] | 5.6 U[U] | NA | 14 U[U] | 5.6 U[U] | 5.6 U[U] | NA | NA |
| | ND40-WTRPMW-1-1Q06-B | 1/31/2006 | FD | 5.2 U[U] | NA | 5.2 U[U] | NA | 5.2 U[U] | **26 R[R]** | 5.2 U[U] | 5.2 U[U] | 5.2 U[U] | 5.2 U[U] | 5.2 U[U] | NA | 13 U[U] | 5.2 U[U] | 5.2 U[U] | NA | NA |
| | ND40-WTRPMW-1-2Q06-A | 4/19/2006 | FS | 5 UJ[UJ] | NA | 5 UJ[UJ] | NA | 5 UJ[UJ] | **25 R[R]** | 5 UJ[UJ] | 5 UJ[UJ] | 5 UJ[UJ] | 5 UJ[UJ] | 5 UJ[UJ] | NA | 13 UJ[UJ] | 5 UJ[UJ] | 5 UJ[UJ] | NA | NA |
| | ND40-WTRPMW-1-2Q06-B | 4/19/2006 | FD | 5 UJ[UJ] | NA | 5 UJ[UJ] | NA | 5 UJ[UJ] | **25 R[R]** | 5 UJ[UJ] | 5 UJ[UJ] | 5 UJ[UJ] | 5 UJ[UJ] | 5 UJ[UJ] | NA | 13 UJ[UJ] | 5 UJ[UJ] | 5 UJ[UJ] | NA | NA |
| | ND40-WTRPMW-1-3Q06-A | 7/12/2006 | FS | 20 U[U] | NA | 20 U[U] | NA | NA | NA | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | NA | 50 U[U] | NA | 20 U[U] | NA | NA |
| | ND40-WTRPMW-1-1Q07-A | 3/7/2007 | FS | 20 UJ[UJ] | NA | 20 UJ[UJ] | NA | NA | NA | 10 UJ[UJ] | 10 UJ[UJ] | NA | 10 UJ[UJ] | 10 UJ[UJ] | NA | 50 UJ[UJ] | NA | 20 UJ[UJ] | NA | NA |
| | ND40-WTRPMW-1-1Q07-B | 3/7/2007 | FD | **20 R[R]** | NA | **20 R[R]** | NA | NA | NA | **10 R[R]** | 10 UJ[UJ] | NA | 10 UJ[UJ] | 10 UJ[UJ] | NA | 50 UJ[UJ] | NA | 20 UJ[UJ] | NA | NA |
| | ND40-WTRPMW-1-4Q07-A | 10/16/2007 | FS | 20 U[U] | NA | 20 U[U] | NA | NA | NA | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | NA | 50 U[U] | NA | 20 U[U] | NA | NA |
| | ND40-WTRPMW-1-1Q08-A | 4/9/2008 | FS | 20 U[U] | NA | 20 U[U] | NA | NA | NA | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | NA | 50 U[U] | NA | 20 U[U] | NA | NA |
| | ND40-WTRPMW-1-1Q09-A | 4/8/2009 | FS | 20 U[U] | NA | 20 U[U] | NA | NA | NA | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | NA | 50 U[U] | NA | 20 U[U] | NA | NA |
| | ND40-WTRPMW-1-1Q10-A | 4/13/2010 | FS | 1.6 U[U] | NA | 1.9 U[U] | NA | NA | NA | 0.26 U[U] | 2 U[U] | NA | 0.29 U[U] | 0.96 U[U] | NA | 1.7 U[U] | NA | 0.38 U[U] | NA | NA |
| | ND40-WTRPMW-1-2012-A | 8/9/2012 | FS | 1.6 U[U] | NA | 1.9 U[U] | NA | NA | NA | 0.26 U[U] | 2 U[U] | NA | 0.29 U[U] | 0.97 U[U] | NA | 1.7 U[U] | NA | 0.38 U[U] | NA | NA |
| | ND40-WTRPMW-1-2013-A | 5/22/2013 | FS | 1.6 U[U] | NA | 1.8 U[U] | NA | NA | NA | 0.25 U[U] | 1.9 U[U] | NA | 0.28 U[U] | 0.95 U[U] | NA | 1.7 U[U] | NA | 0.38 U[U] | NA | NA |
| | ND40-WTRPMW-1-2014-A | 5/13/2014 | FS | 1.6 U[U] | NA | 1.8 U[U] | NA | NA | NA | 0.25 U[U] | 2 U[U] | NA | 0.28 U[U] | 0.96 U[U] | NA | 1.7 U[U] | NA | 0.38 U[U] | NA | NA |
| | ND40-WTRPMW-1-2015-A | 5/6/2015 | FS | 19 U[U] | NA | 19 U[U] | NA | NA | NA | 9.5 U[U] | 9.5 U[U] | NA | 9.5 UJ[UJ] | 9.5 U[U] | NA | 47 U[U] | NA | 19 U[U] | NA | NA |
| | NAAD40-PMW-1-00 | 5/9/2016 | FS | 4.5 U[U] | 4.1 U[U] | 4.5 U[U] | 20 U[U] | NA | NA | 1 U[U] | 4.5 U[U] | NA | 1 U[U] | 2 U[U] | 10 U[U] | 4.5 U[U] | NA | 1 U[U] | 4.1 U[U] | 4.1 U[U] |
| | NAAD40-PMW-1-00 | 5/4/2017 | FS | 4.4 U[U] | 4 U[U] | 4.4 U[U] | 20 UQ[UJ] | NA | NA | 0.99 U[U] | 4.4 U[U] | NA | 0.99 U[U] | 2 U[U] | 9.9 U[U] | 4.4 U[U] | NA | 0.99 U[U] | 4 U[U] | 4 U[U] |
| | NAAD40-PMW1-00 | 5/24/2018 | FS | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | NA | NA | 2.63 U[UJ] | 2.63 U[U] | NA | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 13.2 U[U] | NA | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] |
| | NAAD40-PMW1-00 | 5/1/2019 | FS | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | NA | NA | 5 U[U] | 5 U[U] | NA | 5 U[U] | 5 U[U] | 5 U[U] | 25 U[U] | NA | 5 U[U] | 5 U[U] | 5 U[U] |
| PMW-2 | ND40-WTRPMW-2-4Q05-A | 11/4/2005 | FS | 5.1 U[U] | NA | 5.1 U[U] | NA | 5.1 U[U] | **25 R[R]** | 5.1 U[U] | 5.1 U[U] | 5.1 U[U] | 5.1 U[U] | 5.1 U[U] | NA | 13 U[U] | 5.1 U[U] | 5.1 U[U] | NA | NA |
| | ND40-WTRPMW-2-1Q06-A | 1/31/2006 | FS | 5.2 U[U] | NA | 5.2 U[U] | NA | 5.2 U[U] | **26 R[R]** | 5.2 U[U] | 5.2 U[U] | 5.2 U[U] | 5.2 U[U] | 5.2 U[U] | NA | 13 U[U] | 5.2 U[U] | 5.2 U[U] | NA | NA |
| | ND40-WTRPMW-2-2-Q06-A | 4/19/2006 | FS | 5.9 UJ[UJ] | NA | 5.9 UJ[UJ] | NA | 5.9 UJ[UJ] | **29 R[R]** | 5.9 UJ[UJ] | 5.9 UJ[UJ] | 5.9 UJ[UJ] | 5.9 UJ[UJ] | 5.9 UJ[UJ] | NA | 15 UJ[UJ] | 5.9 UJ[UJ] | 5.9 UJ[UJ] | NA | NA |
| | ND40-WTRPMW-2-3Q06-A | 7/12/2006 | FS | 20 U[U] | NA | 20 U[U] | NA | NA | NA | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | NA | 50 U[U] | NA | 20 U[U] | NA | NA |
| | ND40-WTRPMW-2-1Q07-A | 3/7/2007 | FS | 20 UJ[UJ] | NA | 20 UJ[UJ] | NA | NA | NA | 10 UJ[UJ] | 10 UJ[UJ] | NA | 10 UJ[UJ] | 10 UJ[UJ] | NA | 50 UJ[UJ] | NA | 20 UJ[UJ] | NA | NA |
| | ND40-WTRPMW-2-4Q07-A | 10/16/2007 | FS | 20 U[U] | NA | 20 U[U] | NA | NA | NA | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | NA | 50 U[U] | NA | 20 U[U] | NA | NA |
| | ND40-WTRPMW-2-1Q08-A | 4/9/2008 | FS | 20 U[U] | NA | 20 U[U] | NA | NA | NA | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | NA | 50 U[U] | NA | 20 U[U] | NA | NA |
| | ND40-WTRPMW-2-1Q09-A | 4/8/2009 | FS | 20 U[U] | NA | 20 U[U] | NA | NA | NA | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | NA | 50 U[U] | NA | 20 U[U] | NA | NA |
| | ND40-WTRPMW-2-1Q10-A | 4/13/2010 | FS | 1.6 U[U] | NA | 1.8 U[U] | NA | NA | NA | 0.25 U[U] | 1.9 U[U] | NA | 0.28 U[U] | 0.93 U[U] | NA | 1.6 U[U] | NA | 0.37 U[U] | NA | NA |
| | ND40-WTRPMW-2-2012-A | 8/8/2012 | FS | 1.6 U[U] | NA | 1.8 U[U] | NA | NA | NA | 0.25 U[U] | 1.9 U[U] | NA | 0.28 U[U] | 0.95 U[U] | NA | 1.7 U[U] | NA | 0.38 U[U] | NA | NA |
| | ND40-WTRPMW-2-2013-A | 5/22/2013 | FS | 1.6 U[U] | NA | 1.8 U[U] | NA | NA | NA | 0.25 U[U] | 1.9 U[U] | NA | 0.28 U[U] | 0.93 U[U] | NA | 1.6 U[U] | NA | 0.37 U[U] | NA | NA |
| | ND40-WTRPMW-2-2014-A | 5/13/2014 | FS | 1.7 U[U] | NA | 1.9 U[U] | NA | NA | NA | 0.26 U[U] | 2 U[U] | NA | 0.29 U[U] | 0.98 U[U] | NA | 1.7 U[U] | NA | 0.39 U[U] | NA | NA |
| | ND40-WTRPMW-2-2014-B | 5/13/2014 | FD | 1.7 U[U] | NA | 1.9 U[U] | NA | NA | NA | 0.26 U[U] | 2 U[U] | NA | 0.29 U[U] | 0.98 U[U] | NA | 1.7 U[U] | NA | 0.39 U[U] | NA | NA |
| | ND40-WTRPMW-2-2015-A | 5/7/2015 | FS | 19 U[U] | NA | 19 U[U] | NA | NA | NA | 9.5 U[U] | 9.5 UJ[UJ] | NA | 9.5 UJ[UJ] | 9.5 UJ[UJ] | NA | 47 U[U] | NA | 19 UJ[UJ] | NA | NA |
| | NAAD40-PMW-2-00 | 5/9/2016 | FS | 4.4 U[U] | 4 U[U] | 4.4 U[U] | 20 U[U] | NA | NA | 1 U[U] | 4.4 U[U] | NA | 1 U[U] | 2 U[U] | 10 U[U] | 4.4 U[U] | NA | 1 U[U] | 4 U[U] | 4 U[U] |
| | NAAD40-PMW-2-01 | 5/9/2016 | FD | 4.4 U[U] | 4 U[U] | 4.4 U[U] | 20 U[U] | NA | NA | 1 U[U] | 4.4 U[U] | NA | 1 U[U] | 2 U[U] | 10 U[U] | 4.4 U[U] | NA | 1 U[U] | 4 U[U] | 4 U[U] |
| | NAAD40-PMW-2-00 | 5/3/2017 | FS | 4.5 U[U] | 4.1 U[U] | 4.5 U[U] | 20 UQ[UJ] | NA | NA | 1 U[U] | 4.5 U[U] | NA | 1 U[U] | 2 U[U] | 10 U[U] | 4.5 U[U] | NA | 1 U[U] | 4.1 U[U] | 4.1 U[U] |
| | NAAD40-PMW2-00 | 5/23/2018 | FS | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | NA | NA | 2.63 U[UJ] | 2.63 U[U] | NA | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 13.2 U[U] | NA | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] |
| | NAAD40-PMW2-00 | 4/30/2019 | FS | 5.56 U[U] | 5.56 U[U] | 5.56 U[U] | 5.56 U[U] | NA | NA | 5.56 U[U] | 5.56 U[U] | NA | 5.56 U[U] | 5.56 U[U] | 5.56 U[U] | 27.8 U[U] | NA | 5.56 U[U] | 5.56 U[U] | 5.56 U[U] |

**Table H-2**
**Cumulative Analytical Data**
**NAAD-40**

| | | | Analysis Group | SVOCs | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Analyte | 2,4-Dinitrotoluene | 2,6-Dichlorophenol | 2,6-Dinitrotoluene | 2-Acetylaminofluorene | 2-Chlorobenzaldehyde | 2-Chlorobenzoic Acid | 2-Chloronaphthalene | 2-Chlorophenol | 2-Methyl-3-Nitroaniline | 2-Methylnaphthalene | 2-Methylphenol | 2-Naphthylamine | 2-Nitroaniline | 2-Nitrodiphenylamine | 2-Nitrophenol | 2-Picoline | 2-Toluidine |
| | | | CAS No. | 121-14-2 | 87-65-0 | 606-20-2 | 53-96-3 | 89-98-5 | 118-91-2 | 91-58-7 | 95-57-8 | 603-83-8 | 91-57-6 | 95-48-7 | 91-59-8 | 88-74-4 | 119-75-5 | 88-75-5 | 109-06-8 | 95-53-4 |
| | | | Units | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L |
| | | | PAL | 0.24 | NE | 0.049 | 0.016 | NE | NE | 750 | 91 | NE | 36 | 930 | 0.039 | 190 | NE | NE | NE | 4.7 |
| Station | Sample ID | Date | Type | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| PMW-3 | ND40-WTRPMW-3-4Q05-A | 11/4/2005 | FS | 5.1 U[U] | NA | 5.1 U[U] | NA | 5.1 U[U] | **25 R[R]** | 5.1 U[U] | 5.1 U[U] | 5.1 U[U] | 5.1 U[U] | 5.1 U[U] | NA | 13 U[U] | 5.1 U[U] | 5.1 U[U] | NA | NA |
| | ND40-WTRPMW-3-1Q06-A | 1/31/2006 | FS | 5.5 U[U] | NA | 5.5 U[U] | NA | 5.5 U[U] | **27 R[R]** | 5.5 U[U] | 5.5 U[U] | 5.5 U[U] | 5.5 U[U] | 5.5 U[U] | NA | 14 U[U] | 5.5 U[U] | 5.5 U[U] | NA | NA |
| | ND40-WTRPMW-3-2Q06-A | 4/19/2006 | FS | 5.3 UJ[UJ] | NA | 5.3 UJ[UJ] | NA | 5.3 UJ[UJ] | 27 UJ[UJ] | 5.3 UJ[UJ] | 5.3 UJ[UJ] | 5.3 UJ[UJ] | 5.3 UJ[UJ] | 5.3 UJ[UJ] | NA | 13 UJ[UJ] | 5.3 UJ[UJ] | 5.3 UJ[UJ] | NA | NA |
| | ND40-WTRPMW-3-3Q06-A | 7/12/2006 | FS | 20 U[U] | NA | 20 U[U] | NA | NA | NA | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | NA | 50 U[U] | NA | 20 U[U] | NA | NA |
| | ND40-WTRPMW-3-3Q06-B | 7/12/2006 | FD | 20 U-U | NA | 20 U-U | NA | NA | NA | 10 U-U | 10 U-U | NA | 10 U-U | 10 U-U | NA | 50 U-U | NA | 20 U-U | NA | NA |
| | ND40-WTRPMW-3-1Q07-A | 3/7/2007 | FS | 20 UJ[UJ] | NA | 20 UJ[UJ] | NA | NA | NA | 10 UJ[UJ] | 10 UJ[UJ] | NA | 10 UJ[UJ] | 10 UJ[UJ] | NA | 50 UJ[UJ] | NA | 20 UJ[UJ] | NA | NA |
| | ND40-WTRPMW-3-4Q07-A | 10/16/2007 | FS | 20 U[U] | NA | 20 U[U] | NA | NA | NA | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | NA | 50 U[U] | NA | 20 U[U] | NA | NA |
| | ND40-WTRPMW-3-4Q07-B | 10/16/2007 | FD | 20 U[U] | NA | 20 U[U] | NA | NA | NA | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | NA | 50 U[U] | NA | 20 U[U] | NA | NA |
| | ND40-WTRPMW-3-1Q08-A | 4/9/2008 | FS | 20 U[U] | NA | 20 U[U] | NA | NA | NA | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | NA | 50 U[U] | NA | 20 U[U] | NA | NA |
| | ND40-WTRPMW-3-1Q08-B | 4/9/2008 | FD | 20 U[U] | NA | 20 U[U] | NA | NA | NA | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | NA | 50 U[U] | NA | 20 U[U] | NA | NA |
| | ND40-WTRPMW-3-1Q09-A | 4/8/2009 | FS | 20 U[U] | NA | 20 U[U] | NA | NA | NA | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | NA | 50 U[U] | NA | 20 U[U] | NA | NA |
| | ND40-WTRPMW-3-1Q09-B | 4/8/2009 | FD | 20 U[U] | NA | 20 U[U] | NA | NA | NA | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | NA | 50 U[U] | NA | 20 U[U] | NA | NA |
| | ND40-WTRPMW-3-1Q10-A | 4/13/2010 | FS | 1.6 U[U] | NA | 1.8 U[U] | NA | NA | NA | 0.25 U[U] | 1.9 U[U] | NA | 0.28 U[U] | 0.94 U[U] | NA | 1.7 U[U] | NA | 0.37 U[U] | NA | NA |
| | ND40-WTRPMW-3-1Q10-B | 4/13/2010 | FD | 1.6 U[U] | NA | 1.8 U[U] | NA | NA | NA | 0.25 U[U] | 1.9 U[U] | NA | 0.28 U[U] | 0.93 U[U] | NA | 1.6 U[U] | NA | 0.37 U[U] | NA | NA |
| | ND40-WTRPMW-3-2012-A | 8/8/2012 | FS | 1.6 U[U] | NA | 1.8 U[U] | NA | NA | NA | **1.7 [J]** | 1.9 U[U] | NA | **3.8 [J]** | 0.93 U[U] | NA | 1.6 U[U] | NA | 0.37 U[U] | NA | NA |
| | ND40-WTRPMW-3-2012-B | 8/8/2012 | FD | 1.6 U[U] | NA | 1.8 U[U] | NA | NA | NA | 0.25 U[U] | 1.9 U[U] | NA | 0.27 U[U] | 0.93 U[U] | NA | 1.6 U[U] | NA | 0.37 U[U] | NA | NA |
| | ND40-WTRPMW-3-2013-A | 5/22/2013 | FS | 1.6 U[U] | NA | 1.8 U[U] | NA | NA | NA | 0.25 U[U] | 1.9 U[U] | NA | 0.27 U[U] | 0.92 U[U] | NA | 1.6 U[U] | NA | 0.37 U[U] | NA | NA |
| | ND40-WTRPMW-3-2013-B | 5/22/2013 | FD | 1.6 U[U] | NA | 1.8 U[U] | NA | NA | NA | 0.25 U[U] | 1.9 U[U] | NA | 0.28 U[U] | 0.93 U[U] | NA | 1.6 U[U] | NA | 0.37 U[U] | NA | NA |
| | ND40-WTRPMW-3-2014-A | 5/13/2014 | FS | 1.7 U[U] | NA | 1.9 U[U] | NA | NA | NA | 0.26 U[U] | 2 U[U] | NA | 0.29 U[U] | 0.98 U[U] | NA | 1.7 U[U] | NA | 0.39 U[U] | NA | NA |
| | ND40-WTRPMW-3-2015-A | 5/7/2015 | FS | 19 U[U] | NA | 19 U[U] | NA | NA | NA | 9.6 U[U] | 9.6 U[U] | NA | 9.6 UJ[UJ] | 9.6 U[U] | NA | 48 U[U] | NA | 19 U[U] | NA | NA |
| | ND40-WTRPMW-3-2015-B | 5/7/2015 | FD | 19 U[U] | NA | 19 U[U] | NA | NA | NA | 9.5 U[U] | 9.5 U[U] | NA | 9.5 UJ[UJ] | 9.5 U[U] | NA | 48 U[U] | NA | 19 U[U] | NA | NA |
| | NAAD40-PMW-3-00 | 5/9/2016 | FS | 4.3 U[U] | 3.9 U[U] | 4.3 U[U] | 20 U[U] | NA | NA | 0.98 U[U] | 4.3 U[U] | NA | 0.98 U[U] | 2 U[U] | 9.8 U[U] | 4.3 U[U] | NA | 0.98 U[U] | 3.9 U[U] | 3.9 U[U] |
| | NAAD40-PMW-3-00 | 5/4/2017 | FS | 4.6 U[U] | 4.2 U[U] | 4.6 U[U] | 21 U[U] | NA | NA | 1.1 U[U] | 4.6 U[U] | NA | 1.1 U[U] | 2.1 U[U] | 11 U[U] | 4.6 U[U] | NA | 1.1 U[U] | 4.2 U[U] | 4.2 U[U] |
| | NAAD40-PMW3-00 | 5/24/2018 | FS | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | NA | NA | 2.63 U[UJ] | 2.63 U[U] | NA | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 13.2 U[U] | NA | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] |
| | NAAD40-PMW3-00 | 4/30/2019 | FS | 5.56 U[U] | 5.56 U[U] | 5.56 U[U] | 5.56 U[U] | NA | NA | 5.56 U[U] | 5.56 U[U] | NA | 5.56 U[U] | 5.56 U[U] | 5.56 U[U] | 27.8 U[U] | NA | 5.56 U[U] | 5.56 U[U] | 5.56 U[U] |
| | NAAD40-PMW3-01 | 4/30/2019 | FD | 5.56 UQ[U] | 5.56 UQ[UJ] | 5.56 UQ[U] | 5.56 UQ[U] | NA | NA | 5.56 UQ[U] | 5.56 UQ[UJ] | NA | 5.56 UQ[U] | 5.56 UQ[UJ] | 5.56 UQ[U] | 27.8 UQ[U] | NA | 5.56 UQ[UJ] | 5.56 UQ[U] | 5.56 UQ[U] |
| PMW-4 | ND40-WTRPMW-4-1Q08-A | 4/10/2008 | FS | 20 U[U] | NA | 20 U[U] | NA | NA | NA | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | NA | 50 U[U] | NA | 20 U[U] | NA | NA |
| | ND40-WTRPMW-4-1Q09-A | 4/8/2009 | FS | 20 U[U] | NA | 20 U[U] | NA | NA | NA | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | NA | 50 U[U] | NA | 20 U[U] | NA | NA |
| | ND40-WTRPMW-4-1Q10-A | 4/13/2010 | FS | 1.7 U[U] | NA | 1.9 U[U] | NA | NA | NA | 0.26 U[U] | 2 U[U] | NA | 0.29 U[U] | 0.97 U[U] | NA | 1.7 U[U] | NA | 0.39 U[U] | NA | NA |
| | ND40-WTRPMW-4-2015-A | 5/7/2015 | FS | 19 U[U] | NA | 19 U[U] | NA | NA | NA | 9.5 U[U] | 9.5 U[U] | NA | 9.5 UJ[UJ] | 9.5 U[U] | NA | 47 U[U] | NA | 19 U[U] | NA | NA |
| | NAAD40-PMW-4-00 | 5/9/2016 | FS | 4.2 U[UJ] | 3.8 U[U] | 4.2 U[UJ] | 19 UQ[UJ] | NA | NA | 0.96 U[UJ] | 4.2 U[U] | NA | 0.96 U[UJ] | 1.9 U[U] | 9.6 U[UJ] | 4.2 U[UJ] | NA | 0.96 U[U] | 3.8 U[UJ] | 3.8 U[UJ] |
| | NAAD40-PMW-4-00 | 5/4/2017 | FS | 4.5 U[U] | 4.1 U[U] | 4.5 U[U] | 20 U[U] | NA | NA | 1 U[U] | 4.5 U[U] | NA | 1 U[U] | 2 U[U] | 10 U[U] | 4.5 U[U] | NA | 1 U[U] | 4.1 U[U] | 4.1 U[U] |
| | NAAD40-PMW-4-01 | 5/4/2017 | FD | 4.5 U[U] | 4.1 U[U] | 4.5 U[U] | 20 U[U] | NA | NA | 1 U[U] | 4.5 U[U] | NA | 1 U[U] | 2 U[U] | 10 U[U] | 4.5 U[U] | NA | 1 U[U] | 4.1 U[U] | 4.1 U[U] |
| | NAAD40-PMW4-00 | 4/30/2019 | FS | 5.74 U[U] | 5.74 U[U] | 5.74 U[U] | 5.74 U[U] | NA | NA | 5.74 U[U] | 5.74 U[U] | NA | 5.74 U[U] | 5.74 U[U] | 5.74 U[U] | 28.7 U[U] | NA | 5.74 U[U] | 5.74 U[U] | 5.74 U[U] |

**Table H-2**
**Cumulative Analytical Data**
**NAAD-40**

| | | | Analysis Group | SVOCs | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Analyte | 2,4-Dinitrotoluene | 2,6-Dichlorophenol | 2,6-Dinitrotoluene | 2-Acetylaminofluorene | 2-Chlorobenzaldehyde | 2-Chlorobenzoic Acid | 2-Chloronaphthalene | 2-Chlorophenol | 2-Methyl-3-Nitroaniline | 2-Methylnaphthalene | 2-Methylphenol | 2-Naphthylamine | 2-Nitroaniline | 2-Nitrodiphenylamine | 2-Nitrophenol | 2-Picoline | 2-Toluidine |
| | | | CAS No. | 121-14-2 | 87-65-0 | 606-20-2 | 53-96-3 | 89-98-5 | 118-91-2 | 91-58-7 | 95-57-8 | 603-83-8 | 91-57-6 | 95-48-7 | 91-59-8 | 88-74-4 | 119-75-5 | 88-75-5 | 109-06-8 | 95-53-4 |
| | | | Units | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L |
| | | | PAL | 0.24 | NE | 0.049 | 0.016 | NE | NE | 750 | 91 | NE | 36 | 930 | 0.039 | 190 | NE | NE | NE | 4.7 |
| Station | Sample ID | Date | Type | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| PMW-5 | ND40-WTRPMW-5-4Q05-A | 11/3/2005 | FS | 5.1 U[U] | NA | 5.1 U[U] | NA | 5.1 U[U] | **25 R[R]** | 5.1 U[U] | 5.1 U[U] | 5.1 U[U] | 5.1 U[U] | 5.1 U[U] | NA | 13 U[U] | 5.1 U[U] | 5.1 U[U] | NA | NA |
| | ND40-WTRPMW-5-1Q06-A | 1/31/2006 | FS | 5.4 U[U] | NA | 5.4 U[U] | NA | 5.4 U[U] | **27 R[R]** | 5.4 U[U] | 5.4 U[U] | 5.4 U[U] | 5.4 U[U] | 5.4 U[U] | NA | 14 U[U] | 5.4 U[U] | 5.4 U[U] | NA | NA |
| | ND40-WTRPMW-5-2Q06-A | 4/19/2006 | FS | 5.1 UJ[UJ] | NA | 5.1 UJ[UJ] | NA | 5.1 UJ[UJ] | **26 R[R]** | 5.1 UJ[UJ] | 5.1 UJ[UJ] | 5.1 UJ[UJ] | 5.1 UJ[UJ] | 5.1 UJ[UJ] | NA | 13 UJ[UJ] | 5.1 UJ[UJ] | 5.1 UJ[UJ] | NA | NA |
| | ND40-WTRPMW-5-3Q06-A | 7/12/2006 | FS | 20 U[U] | NA | 20 U[U] | NA | NA | NA | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | NA | 50 U[U] | NA | 20 U[U] | NA | NA |
| | ND40-WTRPMW-5-1Q07-A | 3/7/2007 | FS | 20 UJ[UJ] | NA | 20 UJ[UJ] | NA | NA | NA | 10 UJ[UJ] | 10 UJ[UJ] | NA | 10 UJ[UJ] | 10 UJ[UJ] | NA | 50 UJ[UJ] | NA | 20 UJ[UJ] | NA | NA |
| | ND40-WTRPMW-5-1Q08-A | 4/9/2008 | FS | 20 U[U] | NA | 20 U[U] | NA | NA | NA | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | NA | 50 U[U] | NA | 20 U[U] | NA | NA |
| | ND40-WTRPMW-5-1Q09-A | 4/8/2009 | FS | 20 U[U] | NA | 20 U[U] | NA | NA | NA | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | NA | 50 U[U] | NA | 20 U[U] | NA | NA |
| | ND40-WTRPMW-5-1Q10-A | 4/13/2010 | FS | 1.6 U[U] | NA | 1.8 U[U] | NA | NA | NA | 0.25 U[U] | 2 U[U] | NA | 0.28 U[U] | 0.96 U[U] | NA | 1.7 U[U] | NA | 0.38 U[U] | NA | NA |
| | ND40-WTRPMW-5-2012-A | 8/8/2012 | FS | 1.6 U[U] | NA | 1.8 U[U] | NA | NA | NA | 0.25 U[U] | 1.9 U[U] | NA | 0.28 U[U] | 0.94 U[U] | NA | 1.7 U[U] | NA | 0.38 U[U] | NA | NA |
| | ND40-WTRPMW-5-2013-A | 5/22/2013 | FS | 1.6 U[U] | NA | 1.8 U[U] | NA | NA | NA | 0.25 U[U] | 1.9 U[U] | NA | 0.27 U[U] | 0.93 U[U] | NA | 1.6 U[U] | NA | 0.37 U[U] | NA | NA |
| | ND40-WTRPMW-5-2014-A | 5/13/2014 | FS | 1.7 U[U] | NA | 1.9 U[U] | NA | NA | NA | 0.26 U[U] | 2 U[U] | NA | 0.29 U[U] | 0.98 U[U] | NA | 1.7 U[U] | NA | 0.39 U[U] | NA | NA |
| | ND40-WTRPMW-5-2015-A | 5/6/2015 | FS | 20 U[U] | NA | 20 U[U] | NA | NA | NA | 9.8 U[U] | 9.8 U[U] | NA | 9.8 UJ[UJ] | 9.8 U[U] | NA | 49 U[U] | NA | 20 U[U] | NA | NA |
| | NAAD40-PMW-5-00 | 5/9/2016 | FS | 4.2 U[U] | 3.8 U[U] | 4.2 U[U] | 19 U[U] | NA | NA | 0.96 U[U] | 4.2 U[U] | NA | 0.96 U[U] | 1.9 U[U] | 9.6 U[U] | 4.2 U[U] | NA | 0.96 U[U] | 3.8 U[U] | 3.8 U[U] |
| | NAAD40-PMW-5-00 | 5/4/2017 | FS | 4.5 U[U] | 4.1 U[U] | 4.5 U[U] | 21 U[U] | NA | NA | 1 U[U] | 4.5 U[U] | NA | 1 U[U] | 2.1 U[U] | 10 U[U] | 4.5 U[U] | NA | 1 UJ[U J] | 4.1 UJ[U J] | 4.1 UJ[U J] |
| | NAAD40-PMW5-00 | 5/24/2018 | FS | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | NA | NA | 2.63 U[UJ] | 2.63 U[U] | NA | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 13.2 U[U] | NA | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] |
| | NAAD40-PMW5-01 | 5/24/2018 | FD | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | NA | NA | 2.63 U[UJ] | 2.63 U[U] | NA | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 13.2 U[U] | NA | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] |
| | NAAD40-PMW5-00 | 4/30/2019 | FS | 5.62 U[U] | 5.62 U[U] | 5.62 U[U] | 5.62 U[U] | NA | NA | 5.62 U[U] | 5.62 U[U] | NA | 5.62 U[U] | 5.62 U[U] | 5.62 U[U] | 28.1 U[U] | NA | 5.62 U[U] | 5.62 U[U] | 5.62 U[U] |

**Table H-2**
**Cumulative Analytical Data**
**NAAD-40**

| | | | Analysis Group | SVOCs | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Analyte | 3- & 4-Methylphenol | 3,3'-Dichlorobenzidine | 3,3'-Dimethylbenzidine | 3,5-Dinitroanaline | 3-Chlorobenzaldehyde | 3-Methylcholanthrene | 3-Nitroaniline | 4,6-Dinitro-2-methylphenol | 4-Aminobiphenyl | 4-Bromophenyl phenyl ether | 4-Chloro-3-methylphenol | 4-Chloroaniline | 4-Chlorobenzaldehyde | 4-Chlorophenyl phenyl ether | 4-Methylphenol | 4-Nitroaniline | 4-Nitrophenol |
| | | | CAS No. | 15831-10-4 | 91-94-1 | 119-93-7 | 618-87-1 | 587-04-2 | 56-49-5 | 99-09-2 | 534-52-1 | 92-67-1 | 101-55-3 | 59-50-7 | 106-47-8 | 124-88-1 | 7005-72-3 | 106-44-5 | 100-01-6 | 100-02-7 |
| | | | Units | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L |
| | | | PAL | 930 | 0.13 | 0.0065 | NE | NE | 0.0011 | NE | 1.5 | 0.003 | NE | 1400 | 0.37 | NE | NE | NE | 3.8 | NE |
| **Station** | **Sample ID** | **Date** | **Type** | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| **FSL5** | FSL5 | 10/17/2007 | FS | NA | 50 U[U] | NA | NA | NA | NA | 50 U[U] | 60 U[U] | NA | 10 U[U] | 20 U[U] | NA | NA | 10 U[U] | 20 U[U] | 50 U[U] | 50 U[U] |
| **PMW-1** | ND40-WTRPMW-1-4Q05-A | 11/3/2005 | FS | NA | 5.1 U[U] | NA | 5.1 U[U] | 5.1 U[U] | NA | 13 U[U] | 13 U[U] | NA | 5.1 U[U] | 5.1 U[U] | 5.1 U[U] | 5.1 U[U] | 5.1 U[U] | 5.1 U[U] | 13 U[U] | 13 U[U] |
| | ND40-WTRPMW-1-4Q05-B | 11/3/2005 | FD | NA | 5 U[U] | NA | 5 U[U] | 5 U[U] | NA | 13 U[U] | 13 U[U] | NA | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 13 U[U] | 13 U[U] |
| | ND40-WTRPMW-1-1Q06-A | 1/31/2006 | FS | NA | 5.6 U[U] | NA | 5.6 U[U] | 5.6 U[U] | NA | 14 U[U] | 14 U[U] | NA | 5.6 U[U] | 5.6 U[U] | 5.6 U[U] | 5.6 U[U] | 5.6 U[U] | 5.6 UJ[UJ] | 14 U[U] | 14 U[U] |
| | ND40-WTRPMW-1-1Q06-B | 1/31/2006 | FD | NA | 5.2 U[U] | NA | 5.2 U[U] | 5.2 U[U] | NA | 13 U[U] | 13 U[U] | NA | 5.2 U[U] | 5.2 U[U] | 5.2 U[U] | 5.2 U[U] | 5.2 U[U] | 5.2 UJ[UJ] | 13 U[U] | 13 U[U] |
| | ND40-WTRPMW-1-2Q06-A | 4/19/2006 | FS | NA | 5 UJ[UJ] | NA | 5 UJ[UJ] | 5 UJ[UJ] | NA | 13 UJ[UJ] | 13 UJ[UJ] | NA | 5 UJ[UJ] | 5 UJ[UJ] | 5 UJ[UJ] | 5 UJ[UJ] | 5 UJ[UJ] | 5 UJ[UJ] | 13 UJ[UJ] | 13 UJ[UJ] |
| | ND40-WTRPMW-1-2Q06-B | 4/19/2006 | FD | NA | 5 UJ[UJ] | NA | 5 UJ[UJ] | 5 UJ[UJ] | NA | 13 UJ[UJ] | 13 UJ[UJ] | NA | 5 UJ[UJ] | 5 UJ[UJ] | 5 UJ[UJ] | 5 UJ[UJ] | 5 UJ[UJ] | 5 UJ[UJ] | 13 UJ[UJ] | 13 UJ[UJ] |
| | ND40-WTRPMW-1-3Q06-A | 7/12/2006 | FS | NA | 50 U[U] | NA | NA | NA | NA | 50 U[U] | 60 U[U] | NA | 10 U[U] | 20 U[U] | NA | NA | 10 U[U] | 20 U[U] | 50 U[U] | 50 U[U] |
| | ND40-WTRPMW-1-1Q07-A | 3/7/2007 | FS | NA | 50 UJ[UJ] | NA | NA | NA | NA | 50 UJ[UJ] | 60 UJ[UJ] | NA | 10 UJ[UJ] | 20 UJ[UJ] | NA | NA | 10 UJ[UJ] | 20 UJ[UJ] | 50 UJ[UJ] | 50 UJ[UJ] |
| | ND40-WTRPMW-1-1Q07-B | 3/7/2007 | FD | NA | 50 UJ[UJ] | NA | NA | NA | NA | 50 UJ[UJ] | 60 UJ[UJ] | NA | 10 UJ[UJ] | 20 UJ[UJ] | NA | NA | 10 UJ[UJ] | 20 UJ[UJ] | 50 UJ[UJ] | 50 UJ[UJ] |
| | ND40-WTRPMW-1-4Q07-A | 10/16/2007 | FS | NA | 50 U[U] | NA | NA | NA | NA | 50 U[U] | 60 U[U] | NA | 10 U[U] | 20 U[U] | NA | NA | 10 U[U] | 20 U[U] | 50 U[U] | 50 U[U] |
| | ND40-WTRPMW-1-1Q08-A | 4/9/2008 | FS | NA | 50 U[U] | NA | NA | NA | NA | 50 U[U] | 60 U[U] | NA | 10 U[U] | 20 U[U] | NA | NA | 10 U[U] | 20 U[U] | 50 U[U] | 50 U[U] |
| | ND40-WTRPMW-1-1Q09-A | 4/8/2009 | FS | NA | 50 U[U] | NA | NA | NA | NA | 50 U[U] | 60 U[U] | NA | 10 U[U] | 20 U[U] | NA | NA | 10 U[U] | 20 U[U] | 50 U[U] | 50 U[U] |
| | ND40-WTRPMW-1-1Q10-A | 4/13/2010 | FS | NA | 2 U[U] | NA | NA | NA | NA | 0.26 U[U] | 3.9 U[U] | NA | 0.42 U[U] | 2.4 U[U] | NA | NA | 1.6 U[U] | 0.25 U[U] | 2 U[U] | 1.2 U[U] |
| | ND40-WTRPMW-1-2012-A | 8/9/2012 | FS | NA | 2 U[U] | NA | NA | NA | NA | 2 U[U] | 3.9 U[U] | NA | 0.42 U[U] | 2.4 U[U] | NA | NA | 1.6 U[U] | 0.25 U[U] | 2 U[U] | 1.2 U[U] |
| | ND40-WTRPMW-1-2013-A | 5/22/2013 | FS | NA | 1.9 U[U] | NA | NA | NA | NA | 1.9 U[U] | 3.9 U[U] | NA | 0.42 U[U] | 2.3 U[U] | NA | NA | 1.6 U[U] | 0.24 U[U] | 1.9 U[U] | 1.2 U[U] |
| | ND40-WTRPMW-1-2014-A | 5/13/2014 | FS | NA | 2 U[U] | NA | NA | NA | NA | 2 U[U] | 3.9 U[U] | NA | 0.42 U[U] | 2.4 U[U] | NA | NA | 1.6 U[U] | 0.24 U[U] | 2 U[U] | 1.2 U[U] |
| | ND40-WTRPMW-1-2015-A | 5/6/2015 | FS | NA | 47 U[U] | NA | NA | NA | NA | 47 U[U] | 57 U[U] | NA | 9.5 U[U] | 19 U[U] | NA | NA | 9.5 U[U] | 19 U[U] | 47 U[U] | 47 U[U] |
| | NAAD40-PMW-1-00 | 5/9/2016 | FS | 0.51 U[U] | 4.5 U[U] | 10 UQ[UJ] | NA | NA | 4.1 U[U] | 4.5 U[U] | 9 U[U] | 10 U[U] | 1 U[U] | 5.1 U[U] | 4.5 U[U] | NA | 4.5 U[U] | NA | 4.5 U[U] | 4.1 U[U] |
| | NAAD40-PMW-1-00 | 5/4/2017 | FS | 0.5 U[U] | 4.4 U[U] | 9.9 U[U] | NA | NA | 4 UQ[U] | 4.4 U[U] | 8.7 U[U] | 9.9 U[U] | 0.99 U[U] | 5 U[U] | 4.4 U[U] | NA | 4.4 U[U] | NA | 4.4 U[U] | 4 U[U] |
| | NAAD40-PMW1-00 | 5/24/2018 | FS | 2.63 U[U] | 2.63 U[U] | 13.2 U[UJ] | NA | NA | 2.63 U[U] | 13.2 U[U] | 13.2 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | NA | 2.63 U[U] | NA | 13.2 U[U] | 13.2 U[U] |
| | NAAD40-PMW1-00 | 5/1/2019 | FS | 5 U[U] | 5 U[U] | 20 U[UJ] | NA | NA | 5 U[U] | 25 U[U] | 25 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | NA | 5 U[U] | NA | 25 U[U] | 25 U[U] |
| **PMW-2** | ND40-WTRPMW-2-4Q05-A | 11/4/2005 | FS | NA | 5.1 U[U] | NA | 5.1 U[U] | 5.1 U[U] | NA | 13 U[U] | 13 U[U] | NA | 5.1 U[U] | 5.1 U[U] | 5.1 U[U] | 5.1 U[U] | 5.1 U[U] | 5.1 U[U] | 13 U[U] | 13 U[U] |
| | ND40-WTRPMW-2-1Q06-A | 1/31/2006 | FS | NA | 5.2 U[U] | NA | 5.2 U[U] | 5.2 U[U] | NA | 13 U[U] | 13 U[U] | NA | 5.2 U[U] | 5.2 U[U] | 5.2 U[U] | 5.2 U[U] | 5.2 U[U] | 5.2 UJ[UJ] | 13 U[U] | 13 U[U] |
| | ND40-WTRPMW-2-2-Q06-A | 4/19/2006 | FS | NA | 5.9 UJ[UJ] | NA | 5.9 UJ[UJ] | 5.9 UJ[UJ] | NA | 15 UJ[UJ] | 15 UJ[UJ] | NA | 5.9 UJ[UJ] | 5.9 UJ[UJ] | 5.9 UJ[UJ] | 5.9 UJ[UJ] | 5.9 UJ[UJ] | 5.9 UJ[UJ] | 15 UJ[UJ] | 15 UJ[UJ] |
| | ND40-WTRPMW-2-3Q06-A | 7/12/2006 | FS | NA | 50 U[U] | NA | NA | NA | NA | 50 U[U] | 60 U[U] | NA | 10 U[U] | 20 U[U] | NA | NA | 10 U[U] | 20 U[U] | 50 U[U] | 50 U[U] |
| | ND40-WTRPMW-2-1Q07-A | 3/7/2007 | FS | NA | 50 UJ[UJ] | NA | NA | NA | NA | 50 UJ[UJ] | 60 UJ[UJ] | NA | 10 UJ[UJ] | 20 UJ[UJ] | NA | NA | 10 UJ[UJ] | 20 UJ[UJ] | 50 UJ[UJ] | 50 UJ[UJ] |
| | ND40-WTRPMW-2-4Q07-A | 10/16/2007 | FS | NA | 50 U[U] | NA | NA | NA | NA | 50 U[U] | 60 U[U] | NA | 10 U[U] | 20 U[U] | NA | NA | 10 U[U] | 20 U[U] | 50 U[U] | 50 U[U] |
| | ND40-WTRPMW-2-1Q08-A | 4/9/2008 | FS | NA | 50 U[U] | NA | NA | NA | NA | 50 U[U] | 60 U[U] | NA | 10 U[U] | 20 U[U] | NA | NA | 10 U[U] | 20 U[U] | 50 U[U] | 50 U[U] |
| | ND40-WTRPMW-2-1Q09-A | 4/8/2009 | FS | NA | 50 U[U] | NA | NA | NA | NA | 50 U[U] | 60 U[U] | NA | 10 U[U] | 20 U[U] | NA | NA | 10 U[U] | 20 U[U] | 50 U[U] | 50 U[U] |
| | ND40-WTRPMW-2-1Q10-A | 4/13/2010 | FS | NA | 1.9 U[U] | NA | NA | NA | NA | 0.25 U[U] | 3.8 U[U] | NA | 0.41 U[U] | 2.3 U[U] | NA | NA | 1.6 U[U] | 0.24 U[U] | 1.9 U[U] | 1.2 U[U] |
| | ND40-WTRPMW-2-2012-A | 8/8/2012 | FS | NA | 1.9 U[U] | NA | NA | NA | NA | 1.9 U[U] | 3.9 U[U] | NA | 0.42 U[U] | 2.3 U[U] | NA | NA | 1.6 U[U] | 0.24 U[U] | 1.9 U[U] | 1.2 U[U] |
| | ND40-WTRPMW-2-2013-A | 5/22/2013 | FS | NA | 1.9 U[U] | NA | NA | NA | NA | 1.9 U[U] | 3.8 U[U] | NA | 0.41 U[U] | 2.3 U[U] | NA | NA | 1.6 U[U] | 0.24 U[U] | 1.9 U[U] | 1.2 U[U] |
| | ND40-WTRPMW-2-2014-A | 5/13/2014 | FS | NA | 2 U[U] | NA | NA | NA | NA | 2 U[U] | 4 U[U] | NA | 0.43 U[U] | 2.4 U[U] | NA | NA | 1.7 U[U] | NA | 2 U[U] | 1.2 U[U] |
| | ND40-WTRPMW-2-2014-B | 5/13/2014 | FD | NA | 2 U[U] | NA | NA | NA | NA | 2 U[U] | 4 U[U] | NA | 0.43 U[U] | 2.4 U[U] | NA | NA | 1.7 U[U] | **3 J[J]** | 2 U[U] | 1.2 U[U] |
| | ND40-WTRPMW-2-2015-A | 5/7/2015 | FS | NA | 47 U[U] | NA | NA | NA | NA | 47 U[U] | 57 UJ[UJ] | NA | 9.5 U[U] | 19 UJ[UJ] | NA | NA | 9.5 U[U] | 19 UJ[UJ] | 47 U[U] | 47 UJ[UJ] |
| | NAAD40-PMW-2-00 | 5/9/2016 | FS | 0.5 U[U] | 4.4 U[U] | 10 UQ[UJ] | NA | NA | 4 U[U] | 4.4 U[U] | 8.9 U[U] | 10 U[U] | 1 U[U] | 5 U[U] | 4.4 U[U] | NA | 4.4 U[U] | NA | 4.4 U[U] | 4 U[U] |
| | NAAD40-PMW-2-01 | 5/9/2016 | FD | 0.5 U[U] | 4.4 U[U] | 10 UQ[UJ] | NA | NA | 4 U[U] | 4.4 U[U] | 8.8 U[U] | 10 U[U] | 1 U[U] | 5 U[U] | 4.4 U[U] | NA | 4.4 U[U] | NA | 4.4 U[U] | 4 U[U] |
| | NAAD40-PMW-2-00 | 5/3/2017 | FS | 0.51 U[U] | 4.5 U[U] | 10 U[U] | NA | NA | 4.1 UQ[U] | 4.5 U[U] | 9 U[U] | 10 U[U] | 1 U[U] | 5.1 U[U] | 4.5 U[U] | NA | 4.5 U[U] | NA | 4.5 U[U] | 4.1 U[U] |
| | NAAD40-PMW2-00 | 5/23/2018 | FS | 2.63 U[U] | 2.63 U[U] | 13.2 U[UJ] | NA | NA | 2.63 U[U] | 13.2 U[U] | 13.2 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | NA | 2.63 U[U] | NA | 13.2 U[U] | 13.2 U[U] |
| | NAAD40-PMW2-00 | 4/30/2019 | FS | 5.56 U[U] | 5.56 U[U] | 22.2 U[R] | NA | NA | 5.56 U[U] | 27.8 U[U] | 27.8 U[U] | 5.56 U[U] | 5.56 U[U] | 5.56 U[U] | 5.56 U[U] | NA | 5.56 U[U] | NA | 27.8 U[U] | 27.8 U[U] |

**Table H-2**
**Cumulative Analytical Data**
**NAAD-40**

| | | | Analysis Group | SVOCs | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Analyte | 3- & 4-Methylphenol | 3,3'-Dichlorobenzidine | 3,3'-Dimethylbenzidine | 3,5-Dinitroanaline | 3-Chlorobenzaldehyde | 3-Methylcholanthrene | 3-Nitroaniline | 4,6-Dinitro-2-methylphenol | 4-Aminobiphenyl | 4-Bromophenyl phenyl ether | 4-Chloro-3-methylphenol | 4-Chloroaniline | 4-Chlorobenzaldehyde | 4-Chlorophenyl phenyl ether | 4-Methylphenol | 4-Nitroaniline | 4-Nitrophenol |
| | | | CAS No. | 15831-10-4 | 91-94-1 | 119-93-7 | 618-87-1 | 587-04-2 | 56-49-5 | 99-09-2 | 534-52-1 | 92-67-1 | 101-55-3 | 59-50-7 | 106-47-8 | 124-88-1 | 7005-72-3 | 106-44-5 | 100-01-6 | 100-02-7 |
| | | | Units | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L |
| | | | PAL | 930 | 0.13 | 0.0065 | NE | NE | 0.0011 | NE | 1.5 | 0.003 | NE | 1400 | 0.37 | NE | NE | NE | 3.8 | NE |
| Station | Sample ID | Date | Type | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| PMW-3 | ND40-WTRPMW-3-4Q05-A | 11/4/2005 | FS | NA | 5.1 U[U] | NA | 5.1 U[U] | 5.1 U[U] | NA | 13 U[U] | 13 U[U] | NA | 5.1 U[U] | 5.1 U[U] | 5.1 U[U] | 5.1 U[U] | 5.1 U[U] | 5.1 U[U] | 13 U[U] | 13 U[U] |
| | ND40-WTRPMW-3-1Q06-A | 1/31/2006 | FS | NA | 5.5 U[U] | NA | 5.5 U[U] | 5.5 U[U] | NA | 14 U[U] | 14 U[U] | NA | 5.5 U[U] | 5.5 U[U] | 5.5 U[U] | 5.5 U[U] | 5.5 U[U] | 5.5 UJ[UJ] | 14 U[U] | 14 U[U] |
| | ND40-WTRPMW-3-2Q06-A | 4/19/2006 | FS | NA | 5.3 UJ[UJ] | NA | 5.3 UJ[UJ] | 5.3 UJ[UJ] | NA | 13 UJ[UJ] | 13 UJ[UJ] | NA | 5.3 UJ[UJ] | 5.3 UJ[UJ] | 5.3 UJ[UJ] | 5.3 UJ[UJ] | 5.3 UJ[UJ] | 5.3 UJ[UJ] | 13 UJ[UJ] | 13 UJ[UJ] |
| | ND40-WTRPMW-3-3Q06-A | 7/12/2006 | FS | NA | 50 U[U] | NA | NA | NA | NA | 50 U[U] | 60 U[U] | NA | 10 U[U] | 20 U[U] | NA | NA | 10 U[U] | 20 U[U] | 50 U[U] | 50 U[U] |
| | ND40-WTRPMW-3-3Q06-B | 7/12/2006 | FD | NA | 50 U-U | NA | NA | NA | NA | 50 U-U | 60 U-U | NA | 10 U-U | 20 U-U | NA | NA | 10 U-U | 20 U-U | 50 U-U | 50 U-U |
| | ND40-WTRPMW-3-1Q07-A | 3/7/2007 | FS | NA | 50 UJ[UJ] | NA | NA | NA | NA | 50 UJ[UJ] | 60 UJ[UJ] | NA | 10 UJ[UJ] | 20 UJ[UJ] | NA | NA | 10 UJ[UJ] | 20 UJ[UJ] | 50 UJ[UJ] | 50 UJ[UJ] |
| | ND40-WTRPMW-3-4Q07-A | 10/16/2007 | FS | NA | 50 U[U] | NA | NA | NA | NA | 50 U[U] | 60 U[U] | NA | 10 U[U] | 20 U[U] | NA | NA | 10 U[U] | 20 U[U] | 50 U[U] | 50 U[U] |
| | ND40-WTRPMW-3-4Q07-B | 10/16/2007 | FD | NA | 50 U[U] | NA | NA | NA | NA | 50 U[U] | 60 U[U] | NA | 10 U[U] | 20 U[U] | NA | NA | 10 U[U] | 20 U[U] | 50 U[U] | 50 U[U] |
| | ND40-WTRPMW-3-1Q08-A | 4/9/2008 | FS | NA | 50 U[U] | NA | NA | NA | NA | 50 U[U] | 60 U[U] | NA | 10 U[U] | 20 U[U] | NA | NA | 10 U[U] | 20 U[U] | 50 U[U] | 50 U[U] |
| | ND40-WTRPMW-3-1Q08-B | 4/9/2008 | FD | NA | 50 U[U] | NA | NA | NA | NA | 50 U[U] | 60 U[U] | NA | 10 U[U] | 20 U[U] | NA | NA | 10 U[U] | 20 U[U] | 50 U[U] | 50 U[U] |
| | ND40-WTRPMW-3-1Q09-A | 4/8/2009 | FS | NA | 50 U[U] | NA | NA | NA | NA | 50 U[U] | 60 U[U] | NA | 10 U[U] | 20 U[U] | NA | NA | 10 U[U] | 20 U[U] | 50 U[U] | 50 U[U] |
| | ND40-WTRPMW-3-1Q09-B | 4/8/2009 | FD | NA | 50 U[U] | NA | NA | NA | NA | 50 U[U] | 60 U[U] | NA | 10 U[U] | 20 U[U] | NA | NA | 10 U[U] | 20 U[U] | 50 U[U] | 50 U[U] |
| | ND40-WTRPMW-3-1Q10-A | 4/13/2010 | FS | NA | 1.9 U[U] | NA | NA | NA | NA | 0.26 U[U] | 3.8 U[U] | NA | 0.41 U[U] | 2.3 U[U] | NA | NA | 1.6 U[U] | 0.24 U[U] | 1.9 U[U] | 1.2 U[U] |
| | ND40-WTRPMW-3-1Q10-B | 4/13/2010 | FD | NA | 1.9 U[U] | NA | NA | NA | NA | 0.25 U[U] | 3.8 U[U] | NA | 0.41 U[U] | 2.3 U[U] | NA | NA | 1.6 U[U] | 0.24 U[U] | 1.9 U[U] | 1.2 U[U] |
| | ND40-WTRPMW-3-2012-A | 8/8/2012 | FS | NA | 1.9 U[U] | NA | NA | NA | NA | 1.9 U[U] | 3.8 U[U] | NA | 0.41 U[U] | 2.3 U[U] | NA | NA | 1.6 U[U] | 0.24 U[U] | 1.9 U[U] | 1.2 U[U] |
| | ND40-WTRPMW-3-2012-B | 8/8/2012 | FD | NA | 1.9 U[U] | NA | NA | NA | NA | 1.9 U[U] | 3.8 U[U] | NA | 0.41 U[U] | 2.3 U[U] | NA | NA | 1.6 U[U] | 0.24 U[U] | 1.9 U[U] | 1.2 U[U] |
| | ND40-WTRPMW-3-2013-A | 5/22/2013 | FS | NA | 1.9 U[U] | NA | NA | NA | NA | 1.9 U[U] | 3.8 U[U] | NA | 0.41 U[U] | 2.3 U[U] | NA | NA | 1.6 U[U] | 0.24 U[U] | 1.9 U[U] | 1.2 U[U] |
| | ND40-WTRPMW-3-2013-B | 5/22/2013 | FD | NA | 1.9 U[U] | NA | NA | NA | NA | 1.9 U[U] | 3.8 U[U] | NA | 0.41 U[U] | 2.3 U[U] | NA | NA | 1.6 U[U] | 0.24 U[U] | 1.9 U[U] | 1.2 U[U] |
| | ND40-WTRPMW-3-2014-A | 5/13/2014 | FS | NA | 2 U[U] | NA | NA | NA | NA | 2 U[U] | 4 U[U] | NA | 0.43 U[U] | 2.4 U[U] | NA | NA | 1.7 U[U] | 0.25 U[U] | 2 U[U] | 1.2 U[U] |
| | ND40-WTRPMW-3-2015-A | 5/7/2015 | FS | NA | 48 U[U] | NA | NA | NA | NA | 48 U[U] | 58 U[U] | NA | 9.6 U[U] | 19 U[U] | NA | NA | 9.6 U[U] | 19 U[U] | 48 U[U] | 48 U[U] |
| | ND40-WTRPMW-3-2015-B | 5/7/2015 | FD | NA | 48 U[U] | NA | NA | NA | NA | 48 U[U] | 57 U[U] | NA | 9.5 U[U] | 19 U[U] | NA | NA | 9.5 U[U] | 19 U[U] | 48 U[U] | 48 U[U] |
| | NAAD40-PMW-3-00 | 5/9/2016 | FS | 0.49 U[U] | 4.3 U[U] | 9.8 UQ[UJ] | NA | NA | 3.9 U[U] | 4.3 U[U] | 8.6 U[U] | 9.8 U[U] | 0.98 U[U] | 4.9 U[U] | 4.3 U[U] | NA | 4.3 U[U] | NA | 4.3 U[U] | 3.9 U[U] |
| | NAAD40-PMW-3-00 | 5/4/2017 | FS | 0.53 U[U] | 4.6 U[U] | 11 U[U] | NA | NA | 4.2 U[U] | 4.6 U[U] | 9.3 U[U] | 11 U[U] | 1.1 U[U] | 5.3 U[U] | 4.6 U[U] | NA | 4.6 U[U] | NA | 4.6 U[U] | 4.2 U[U] |
| | NAAD40-PMW3-00 | 5/24/2018 | FS | 2.63 U[U] | 2.63 U[U] | 13.2 U[UJ] | NA | NA | 2.63 U[U] | 13.2 U[U] | 13.2 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | NA | 2.63 U[U] | NA | 13.2 U[U] | 13.2 U[U] |
| | NAAD40-PMW3-00 | 4/30/2019 | FS | 5.56 U[U] | 5.56 U[U] | 22.2 U[UJ] | NA | NA | 5.56 U[U] | 27.8 U[U] | 27.8 U[U] | 5.56 U[U] | 5.56 U[U] | 5.56 U[U] | 5.56 U[U] | NA | 5.56 U[U] | NA | 27.8 U[U] | 27.8 U[U] |
| | NAAD40-PMW3-01 | 4/30/2019 | FD | 5.56 UQ[UJ] | 5.56 UQ[U] | 22.2 UQ[UJ] | NA | NA | 5.56 UQ[U] | 27.8 UQ[U] | 27.8 UQ[UJ] | 5.56 UQ[U] | 5.56 UQ[U] | 5.56 UQ[UJ] | 5.56 UQ[U] | NA | 5.56 UQ[U] | NA | 27.8 UQ[U] | 27.8 UQ[UJ] |
| PMW-4 | ND40-WTRPMW-4-1Q08-A | 4/10/2008 | FS | NA | 50 U[U] | NA | NA | NA | NA | 50 U[U] | 60 U[U] | NA | 10 U[U] | 20 U[U] | NA | NA | 10 U[U] | 20 U[U] | 50 U[U] | 50 U[U] |
| | ND40-WTRPMW-4-1Q09-A | 4/8/2009 | FS | NA | 50 U[U] | NA | NA | NA | NA | 50 U[U] | 60 U[U] | NA | 10 U[U] | 20 U[U] | NA | NA | 10 U[U] | 20 U[U] | 50 U[U] | 50 U[U] |
| | ND40-WTRPMW-4-1Q10-A | 4/13/2010 | FS | NA | 2 U[U] | NA | NA | NA | NA | 0.27 U[U] | 4 U[U] | NA | 0.43 U[U] | 2.4 U[U] | NA | NA | 1.7 U[U] | 0.25 U[U] | 2 U[U] | 1.2 U[U] |
| | ND40-WTRPMW-4-2015-A | 5/7/2015 | FS | NA | 47 U[U] | NA | NA | NA | NA | 47 U[U] | 57 U[U] | NA | 9.5 U[U] | 19 U[U] | NA | NA | 9.5 U[U] | 19 U[U] | 47 U[U] | 47 U[U] |
| | NAAD40-PMW-4-00 | 5/9/2016 | FS | 0.48 U[U] | 4.2 U[UJ] | 9.6 UQ[UJ] | NA | NA | 3.8 UQ[UJ] | 4.2 U[UJ] | 8.4 U[U] | 9.6 U[UJ] | 0.96 U[UJ] | 4.8 U[U] | 4.2 U[UJ] | NA | 4.2 U[UJ] | NA | 4.2 U[UJ] | 3.8 U[U] |
| | NAAD40-PMW-4-00 | 5/4/2017 | FS | 0.51 U[U] | 4.5 U[U] | 10 U[U] | NA | NA | 4.1 U[U] | 4.5 U[U] | 8.9 U[U] | 10 U[U] | 1 U[U] | 5.1 U[U] | 4.5 U[U] | NA | 4.5 U[U] | NA | 4.5 U[U] | 4.1 U[U] |
| | NAAD40-PMW-4-01 | 5/4/2017 | FD | 0.51 U[U] | 4.5 U[U] | 10 U[U] | NA | NA | 4.1 U[U] | 4.5 U[U] | 8.9 U[U] | 10 U[U] | 1 U[U] | 5.1 U[U] | 4.5 U[U] | NA | 4.5 U[U] | NA | 4.5 U[U] | 4.1 U[U] |
| | NAAD40-PMW4-00 | 4/30/2019 | FS | 5.74 U[U] | 5.74 U[U] | 23 U[UJ] | NA | NA | 5.74 U[U] | 28.7 U[U] | 28.7 U[U] | 5.74 U[U] | 5.74 U[U] | 5.74 U[U] | 5.74 U[U] | NA | 5.74 U[U] | NA | 28.7 U[U] | 28.7 U[U] |

**Table H-2**
**Cumulative Analytical Data**
**NAAD-40**

| | | | Analysis Group | SVOCs | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Analyte | 3- & 4-Methylphenol | 3,3'-Dichlorobenzidine | 3,3'-Dimethylbenzidine | 3,5-Dinitroanaline | 3-Chlorobenzaldehyde | 3-Methylcholanthrene | 3-Nitroaniline | 4,6-Dinitro-2-methylphenol | 4-Aminobiphenyl | 4-Bromophenyl phenyl ether | 4-Chloro-3-methylphenol | 4-Chloroaniline | 4-Chlorobenzaldehyde | 4-Chlorophenyl phenyl ether | 4-Methylphenol | 4-Nitroaniline | 4-Nitrophenol |
| | | | CAS No. | 15831-10-4 | 91-94-1 | 119-93-7 | 618-87-1 | 587-04-2 | 56-49-5 | 99-09-2 | 534-52-1 | 92-67-1 | 101-55-3 | 59-50-7 | 106-47-8 | 124-88-1 | 7005-72-3 | 106-44-5 | 100-01-6 | 100-02-7 |
| | | | Units | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L |
| | | | PAL | 930 | 0.13 | 0.0065 | NE | NE | 0.0011 | NE | 1.5 | 0.003 | NE | 1400 | 0.37 | NE | NE | NE | 3.8 | NE |
| Station | Sample ID | Date | Type | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| PMW-5 | ND40-WTRPMW-5-4Q05-A | 11/3/2005 | FS | NA | 5.1 U[U] | NA | 5.1 U[U] | 5.1 U[U] | NA | 13 U[U] | 13 U[U] | NA | 5.1 U[U] | 5.1 U[U] | 5.1 U[U] | 5.1 U[U] | 5.1 U[U] | 5.1 U[U] | 13 U[U] | 13 U[U] |
| | ND40-WTRPMW-5-1Q06-A | 1/31/2006 | FS | NA | 5.4 U[U] | NA | 5.4 U[U] | 5.4 U[U] | NA | 14 U[U] | 14 U[U] | NA | 5.4 U[U] | 5.4 U[U] | 5.4 U[U] | 5.4 U[U] | 5.4 U[U] | 5.4 UJ[UJ] | 14 U[U] | 14 U[U] |
| | ND40-WTRPMW-5-2Q06-A | 4/19/2006 | FS | NA | 5.1 UJ[UJ] | NA | 5.1 UJ[UJ] | 5.1 UJ[UJ] | NA | 13 UJ[UJ] | 13 UJ[UJ] | NA | 5.1 UJ[UJ] | 5.1 UJ[UJ] | 5.1 UJ[UJ] | 5.1 UJ[UJ] | 5.1 UJ[UJ] | 5.1 UJ[UJ] | 13 UJ[UJ] | 13 UJ[UJ] |
| | ND40-WTRPMW-5-3Q06-A | 7/12/2006 | FS | NA | 50 U[U] | NA | NA | NA | NA | 50 U[U] | 60 U[U] | NA | 10 U[U] | 20 U[U] | NA | NA | 10 U[U] | 20 U[U] | 50 U[U] | 50 U[U] |
| | ND40-WTRPMW-5-1Q07-A | 3/7/2007 | FS | NA | 50 UJ[UJ] | NA | NA | NA | NA | 50 UJ[UJ] | 60 UJ[UJ] | NA | 10 UJ[UJ] | 20 UJ[UJ] | NA | NA | 10 UJ[UJ] | 20 UJ[UJ] | 50 UJ[UJ] | 50 UJ[UJ] |
| | ND40-WTRPMW-5-1Q08-A | 4/9/2008 | FS | NA | 50 U[U] | NA | NA | NA | NA | 50 U[U] | 60 U[U] | NA | 10 U[U] | 20 U[U] | NA | NA | 10 U[U] | 20 U[U] | 50 U[U] | 50 U[U] |
| | ND40-WTRPMW-5-1Q09-A | 4/8/2009 | FS | NA | 50 U[U] | NA | NA | NA | NA | 50 U[U] | 60 U[U] | NA | 10 U[U] | 20 U[U] | NA | NA | 10 U[U] | **11 J[J]** | 50 U[U] | 50 U[U] |
| | ND40-WTRPMW-5-1Q10-A | 4/13/2010 | FS | NA | 2 U[U] | NA | NA | NA | NA | 0.26 U[U] | 3.9 U[U] | NA | 0.42 U[U] | 2.4 U[U] | NA | NA | 1.6 U[U] | 0.24 U[U] | 2 U[U] | 1.2 U[U] |
| | ND40-WTRPMW-5-2012-A | 8/8/2012 | FS | NA | 1.9 U[U] | NA | NA | NA | NA | 1.9 U[U] | 3.8 U[U] | NA | 0.41 U[U] | 2.3 U[U] | NA | NA | 1.6 U[U] | 0.24 U[U] | 1.9 U[U] | 1.2 U[U] |
| | ND40-WTRPMW-5-2013-A | 5/22/2013 | FS | NA | 1.9 U[U] | NA | NA | NA | NA | 1.9 U[U] | 3.8 U[U] | NA | 0.41 U[U] | 2.3 U[U] | NA | NA | 1.6 U[U] | 0.24 U[U] | 1.9 U[U] | 1.2 U[U] |
| | ND40-WTRPMW-5-2014-A | 5/13/2014 | FS | NA | 2 U[U] | NA | NA | NA | NA | 2 U[U] | 4 U[U] | NA | 0.43 U[U] | 2.4 U[U] | NA | NA | 1.7 U[U] | 0.25 U[U] | 2 U[U] | 1.2 U[U] |
| | ND40-WTRPMW-5-2015-A | 5/6/2015 | FS | NA | 49 U[U] | NA | NA | NA | NA | 49 U[U] | 59 U[U] | NA | 9.8 U[U] | 20 U[U] | NA | NA | 9.8 U[U] | 20 U[U] | 49 U[U] | 49 U[U] |
| | NAAD40-PMW-5-00 | 5/9/2016 | FS | 0.48 U[U] | 4.2 U[U] | 9.6 UJQ[UJ] | NA | NA | 3.8 U[U] | 4.2 U[U] | 8.5 U[U] | 9.6 U[U] | 0.96 U[U] | 4.8 U[U] | 4.2 U[U] | NA | 4.2 U[U] | NA | 4.2 U[U] | 3.8 U[U] |
| | NAAD40-PMW-5-00 | 5/4/2017 | FS | 0.52 U[U] | 4.5 UJ[R] | 10 UJ[UJ] | NA | NA | 4.1 U[U] | 4.5 UJ[U J] | 9.1 U[U] | 10 U[U] | 1 U[U] | 5.2 U[U] | 4.5 UJ[U J] | NA | 4.5 U[U] | NA | 4.5 UJ[U J] | 4.1 U[U] |
| | NAAD40-PMW5-00 | 5/24/2018 | FS | 2.63 U[U] | 2.63 U[U] | 13.2 U[UJ] | NA | NA | 2.63 U[U] | 13.2 U[U] | 13.2 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | NA | 2.63 U[U] | NA | 13.2 U[U] | 13.2 U[U] |
| | NAAD40-PMW5-01 | 5/24/2018 | FD | 2.63 U[U] | 2.63 U[U] | 13.2 U[UJ] | NA | NA | 2.63 U[U] | 13.2 U[U] | 13.2 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | NA | 2.63 U[U] | NA | 13.2 U[U] | 13.2 U[U] |
| | NAAD40-PMW5-00 | 4/30/2019 | FS | 5.62 U[U] | 5.62 U[U] | 22.4 U[UJ] | NA | NA | 5.62 U[U] | 28.1 U[U] | 28.1 U[U] | 5.62 U[U] | 5.62 U[U] | 5.62 U[U] | 5.62 U[U] | NA | 5.62 U[U] | NA | 28.1 U[U] | 28.1 U[U] |

# Table H-2
# Cumulative Analytical Data
# NAAD-40

| | | | Analysis Group | SVOCs | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Analyte | 4-Nitroquinoline 1-Oxide | 5-Nitro-o-toluidine | 7,12-Dimethylbenz(a)anthracene | a,a-Dimethylphenethylamine | Acenaphthene | Acenaphthylene | Acetophenone | Aniline | Anthracene | Aramite, Total | Atrazine | Benzaldehyde | Benzo[a]anthracene | Benzo[a]pyrene | Benzo[b]fluoranthene | Benzo[g,h,i]perylene | Benzo[k]fluoranthene |
| | | | CAS No. | 56-57-5 | 99-55-8 | 57-97-6 | 122-09-8 | 83-32-9 | 208-96-8 | 98-86-2 | 62-53-3 | 120-12-7 | 140-57-8 | 1912-24-9 | 100-52-7 | 56-55-3 | 50-32-8 | 205-99-2 | 191-24-2 | 207-08-9 |
| | | | Units | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L |
| | | | PAL | NE | 8.2 | 0.0001 | NE | 530 | NE | 1900 | 13 | 1800 | 1.3 | 3 | 19 | 0.03 | 0.2 | 0.25 | NE | 2.5 |
| Station | Sample ID | Date | Type | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| FSL5 | FSL5 | 10/17/2007 | FS | NA | 20 U[U] | NA | NA | 10 U[U] | 10 U[U] | NA | 20 U[U] | 10 U[U] | NA | NA | NA | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] |
| PMW-1 | ND40-WTRPMW-1-4Q05-A | 11/3/2005 | FS | NA | 5.1 U[U] | NA | NA | 5.1 U[U] | 5.1 U[U] | NA | 13 U[U] | 5.1 U[U] | NA | NA | NA | 5.1 U[U] | 5.1 U[U] | 5.1 U[U] | 5.1 U[U] | 5.1 U[U] |
| | ND40-WTRPMW-1-4Q05-B | 11/3/2005 | FD | NA | 5 U[U] | NA | NA | 5 U[U] | 5 U[U] | NA | 13 U[U] | 5 U[U] | NA | NA | NA | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] |
| | ND40-WTRPMW-1-1Q06-A | 1/31/2006 | FS | NA | 5.6 U[U] | NA | NA | 5.6 U[U] | 5.6 U[U] | NA | 14 UJ[UJ] | 5.6 U[U] | NA | NA | NA | 5.6 U[U] | 5.6 U[U] | 5.6 U[U] | 5.6 UJ[UJ] | 5.6 U[U] |
| | ND40-WTRPMW-1-1Q06-B | 1/31/2006 | FD | NA | 5.2 U[U] | NA | NA | 5.2 U[U] | 5.2 U[U] | NA | 13 UJ[UJ] | 5.2 U[U] | NA | NA | NA | 5.2 U[U] | 5.2 U[U] | 5.2 U[U] | 5.2 UJ[UJ] | 5.2 U[U] |
| | ND40-WTRPMW-1-2Q06-A | 4/19/2006 | FS | NA | 5 UJ[UJ] | NA | NA | 5 UJ[UJ] | 5 UJ[UJ] | NA | 13 UJ[UJ] | 5 UJ[UJ] | NA | NA | NA | 5 UJ[UJ] | 5 UJ[UJ] | 5 UJ[UJ] | 5 UJ[UJ] | 5 UJ[UJ] |
| | ND40-WTRPMW-1-2Q06-B | 4/19/2006 | FD | NA | 5 UJ[UJ] | NA | NA | 5 UJ[UJ] | 5 UJ[UJ] | NA | 13 UJ[UJ] | 5 UJ[UJ] | NA | NA | NA | 5 UJ[UJ] | 5 UJ[UJ] | 5 UJ[UJ] | 5 UJ[UJ] | 5 UJ[UJ] |
| | ND40-WTRPMW-1-3Q06-A | 7/12/2006 | FS | NA | 20 U[U] | NA | NA | 10 U[U] | 10 U[U] | NA | 20 U[U] | 10 U[U] | NA | NA | NA | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] |
| | ND40-WTRPMW-1-1Q07-A | 3/7/2007 | FS | NA | 20 UJ[UJ] | NA | NA | 10 UJ[UJ] | 10 UJ[UJ] | NA | 20 UJ[UJ] | 10 UJ[UJ] | NA | NA | NA | 10 UJ[UJ] | 10 UJ[UJ] | 10 UJ[UJ] | 10 UJ[UJ] | 10 UJ[UJ] |
| | ND40-WTRPMW-1-1Q07-B | 3/7/2007 | FD | NA | 20 UJ[UJ] | NA | NA | 10 UJ[UJ] | 10 UJ[UJ] | NA | 20 UJ[UJ] | 10 UJ[UJ] | NA | NA | NA | 10 UJ[UJ] | 10 UJ[UJ] | 10 UJ[UJ] | 10 UJ[UJ] | 10 UJ[UJ] |
| | ND40-WTRPMW-1-4Q07-A | 10/16/2007 | FS | NA | 20 U[U] | NA | NA | 10 U[U] | 10 U[U] | NA | 20 U[U] | 10 U[U] | NA | NA | NA | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] |
| | ND40-WTRPMW-1-1Q08-A | 4/9/2008 | FS | NA | 20 U[U] | NA | NA | 10 U[U] | 10 U[U] | NA | 20 U[U] | 10 U[U] | NA | NA | NA | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] |
| | ND40-WTRPMW-1-1Q09-A | 4/8/2009 | FS | NA | 20 U[U] | NA | NA | 10 U[U] | 10 U[U] | NA | 20 U[U] | 10 U[U] | NA | NA | NA | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] |
| | ND40-WTRPMW-1-1Q10-A | 4/13/2010 | FS | NA | 1.4 U[U] | NA | NA | 0.28 U[U] | 0.48 U[U] | NA | 2 U[U] | 0.41 U[U] | NA | NA | NA | 0.34 U[U] | 0.31 U[U] | 0.52 U[U] | 0.49 U[U] | 0.45 U[U] |
| | ND40-WTRPMW-1-2012-A | 8/9/2012 | FS | NA | 1.4 U[U] | NA | NA | 0.28 U[U] | 0.48 U[U] | NA | 2 U[U] | 0.41 U[U] | NA | NA | NA | 0.34 U[U] | 0.31 U[U] | 0.52 U[U] | 0.49 U[U] | 0.45 U[U] |
| | ND40-WTRPMW-1-2013-A | 5/22/2013 | FS | NA | 1.4 U[U] | NA | NA | 0.27 U[U] | 0.48 U[U] | NA | 1.9 U[U] | 0.41 U[U] | NA | NA | NA | 0.34 U[U] | 0.3 U[U] | 0.52 U[U] | 0.49 U[U] | 0.45 U[U] |
| | ND40-WTRPMW-1-2014-A | 5/13/2014 | FS | NA | 1.4 U[U] | NA | NA | 0.27 U[U] | 0.48 U[U] | NA | 2 U[U] | 0.41 U[U] | NA | NA | NA | 0.34 U[U] | 0.3 U[U] | 0.52 U[U] | 0.49 U[U] | 0.45 U[U] |
| | ND40-WTRPMW-1-2015-A | 5/6/2015 | FS | NA | 19 U[U] | NA | NA | 9.5 U[U] | 9.5 U[U] | NA | 19 UJ[UJ] | 9.5 U[U] | NA | NA | NA | 9.5 U[U] | 9.5 U[U] | 9.5 U[U] | 9.5 U[U] | 9.5 U[U] |
| | NAAD40-PMW-1-00 | 5/9/2016 | FS | 51 UQ[UJ] | 4.1 U[U] | 4.1 U[U] | 51 U[U] | 1 U[U] | 1 U[U] | 0.51 U[U] | 4.5 U[U] | 1 U[U] | 20 UQ[U] | 2 U[U] | 2 U[U] | 1 U[U] | 1 U[U] | 2 U[U] | 1 U[U] | 1 U[U] |
| | NAAD40-PMW-1-00 | 5/4/2017 | FS | 50 UQ[UJ] | 4 U[U] | 4 UQ[UJ] | 50 U[U] | 0.99 UQ[UJ] | 0.99 UQ[UJ] | 0.5 U[U] | 4.4 U[U] | 0.99 UQ[UJ] | 20 U[U] | 2 U[U] | 2 U[U] | 0.99 UQ[UJ] | 0.99 UQ[UJ] | 2 UQ[UJ] | 0.99 UQ[UJ] | 0.99 UQ[UJ] |
| | NAAD40-PMW1-00 | 5/24/2018 | FS | 10.5 U[U] | 2.63 U[U] | 13.2 U[U] | 13.2 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 5.26 U[U] | 2.63 U[U] | 2.63 U[U] | 10.5 U[U] | 10.5 U[UJ] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] |
| | NAAD40-PMW1-00 | 5/1/2019 | FS | 20 U[U] | 5 U[U] | 25 U[U] | 25 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 10 U[U] | 5 U[U] | 5 U[U] | 20 U[U] | 20 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] |
| PMW-2 | ND40-WTRPMW-2-4Q05-A | 11/4/2005 | FS | NA | 5.1 U[U] | NA | NA | 5.1 U[U] | 5.1 U[U] | NA | 13 U[U] | 5.1 U[U] | NA | NA | NA | 5.1 U[U] | 5.1 U[U] | 5.1 U[U] | 5.1 U[U] | 5.1 U[U] |
| | ND40-WTRPMW-2-1Q06-A | 1/31/2006 | FS | NA | 5.2 U[U] | NA | NA | 5.2 U[U] | 5.2 U[U] | NA | 13 UJ[UJ] | 5.2 U[U] | NA | NA | NA | 5.2 U[U] | 5.2 U[U] | 5.2 U[U] | 5.2 UJ[UJ] | 5.2 U[U] |
| | ND40-WTRPMW-2-2-Q06-A | 4/19/2006 | FS | NA | 5.9 UJ[UJ] | NA | NA | 5.9 UJ[UJ] | 5.9 UJ[UJ] | NA | 15 UJ[UJ] | 5.9 UJ[UJ] | NA | NA | NA | 5.9 UJ[UJ] | 5.9 UJ[UJ] | 5.9 UJ[UJ] | 5.9 UJ[UJ] | 5.9 UJ[UJ] |
| | ND40-WTRPMW-2-3Q06-A | 7/12/2006 | FS | NA | 20 U[U] | NA | NA | 10 U[U] | 10 U[U] | NA | 20 U[U] | 10 U[U] | NA | NA | NA | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] |
| | ND40-WTRPMW-2-1Q07-A | 3/7/2007 | FS | NA | 20 UJ[UJ] | NA | NA | 10 UJ[UJ] | 10 UJ[UJ] | NA | 20 UJ[UJ] | 10 UJ[UJ] | NA | NA | NA | 10 UJ[UJ] | 10 UJ[UJ] | 10 UJ[UJ] | 10 UJ[UJ] | 10 UJ[UJ] |
| | ND40-WTRPMW-2-4Q07-A | 10/16/2007 | FS | NA | 20 U[U] | NA | NA | 10 U[U] | 10 U[U] | NA | 20 U[U] | 10 U[U] | NA | NA | NA | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] |
| | ND40-WTRPMW-2-1Q08-A | 4/9/2008 | FS | NA | 20 U[U] | NA | NA | 10 U[U] | 10 U[U] | NA | 20 U[U] | 10 U[U] | NA | NA | NA | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] |
| | ND40-WTRPMW-2-1Q09-A | 4/8/2009 | FS | NA | 20 U[U] | NA | NA | 10 U[U] | 10 U[U] | NA | 20 U[U] | 10 U[U] | NA | NA | NA | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] |
| | ND40-WTRPMW-2-1Q10-A | 4/13/2010 | FS | NA | 1.3 U[U] | NA | NA | 0.27 U[U] | 0.47 U[U] | NA | 1.9 U[U] | 0.4 U[U] | NA | NA | NA | 0.33 U[U] | 0.29 U[U] | 0.5 U[U] | 0.48 U[U] | 0.44 U[U] |
| | ND40-WTRPMW-2-2012-A | 8/8/2012 | FS | NA | 1.4 U[U] | NA | NA | 0.27 U[U] | 0.47 U[U] | NA | 1.9 U[U] | 0.41 U[U] | NA | NA | NA | 0.34 U[U] | 0.3 U[U] | 0.51 U[U] | 0.48 U[U] | 0.44 U[U] |
| | ND40-WTRPMW-2-2013-A | 5/22/2013 | FS | NA | 1.3 U[U] | NA | NA | 0.27 U[U] | 0.47 U[U] | NA | 1.9 U[U] | 0.4 U[U] | NA | NA | NA | 0.33 U[U] | 0.3 U[U] | 0.51 U[U] | 0.48 U[U] | 0.44 U[U] |
| | ND40-WTRPMW-2-2014-A | 5/13/2014 | FS | NA | 1.4 U[U] | NA | NA | 0.28 U[U] | 0.49 U[U] | NA | 2 U[U] | 0.42 U[U] | NA | NA | NA | 0.35 U[U] | 0.31 U[U] | 0.53 U[U] | 0.5 U[U] | 0.46 U[U] |
| | ND40-WTRPMW-2-2014-B | 5/13/2014 | FD | NA | 1.4 U[U] | NA | NA | 0.28 U[U] | 0.49 U[U] | NA | 2 U[U] | 0.42 U[U] | NA | NA | NA | 0.35 U[U] | 0.31 U[U] | 0.53 U[U] | 0.5 U[U] | 0.46 U[U] |
| | ND40-WTRPMW-2-2015-A | 5/7/2015 | FS | NA | 19 U[U] | NA | NA | 9.5 U[U] | 9.5 U[U] | NA | 19 UJ[UJ] | 9.5 U[U] | NA | NA | NA | 9.5 U[U] | 9.5 U[U] | 9.5 U[U] | 9.5 U[U] | 9.5 U[U] |
| | NAAD40-PMW-2-00 | 5/9/2016 | FS | 50 UQ[UJ] | 4 U[U] | 4 U[U] | 50 U[U] | 1 U[U] | 1 U[U] | 0.5 U[U] | 4.4 U[U] | 1 U[U] | 20 UQ[U] | 2 U[U] | 2 U[U] | 1 U[U] | 1 U[U] | 2 U[U] | 1 U[U] | 1 U[U] |
| | NAAD40-PMW-2-01 | 5/9/2016 | FD | 50 UQ[UJ] | 4 U[U] | 4 U[U] | 50 U[U] | 1 U[U] | 1 U[U] | 0.5 U[U] | 4.4 U[U] | 1 U[U] | 20 UQ[U] | 2 U[U] | 2 U[U] | 1 U[U] | 1 U[U] | 2 U[U] | 1 U[U] | 1 U[U] |
| | NAAD40-PMW-2-00 | 5/3/2017 | FS | 51 UQ[UJ] | 4.1 U[U] | 4.1 UQ[UJ] | 51 U[U] | 1 UQ[UJ] | 1 UQ[UJ] | 0.51 U[U] | 4.5 U[U] | 1 UQ[UJ] | 20 U[U] | 2 U[U] | 2 U[U] | 1 UQ[UJ] | 1 UQ[UJ] | 2 UQ[UJ] | 1 UQ[UJ] | 1 UQ[UJ] |
| | NAAD40-PMW2-00 | 5/23/2018 | FS | 10.5 U[U] | 2.63 U[U] | 13.2 U[U] | 13.2 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 5.26 U[U] | 2.63 U[U] | 2.63 U[U] | 10.5 U[U] | 10.5 U[UJ] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] |
| | NAAD40-PMW2-00 | 4/30/2019 | FS | 22.2 U[U] | 5.56 U[U] | 27.8 U[U] | 27.8 U[U] | 5.56 U[U] | 5.56 U[U] | 5.56 U[U] | 11.1 U[U] | 5.56 U[U] | 5.56 U[U] | 22.2 U[U] | 22.2 U[U] | 5.56 U[U] | 5.56 U[U] | 5.56 U[U] | 5.56 U[U] | 5.56 U[U] |

**Table H-2**
**Cumulative Analytical Data**
**NAAD-40**

| | | | Analysis Group | SVOCs | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Analyte | 4-Nitroquinoline 1-Oxide | 5-Nitro-o-toluidine | 7,12-Dimethylbenz(a)anthracene | a,a-Dimethylphenethylamine | Acenaphthene | Acenaphthylene | Acetophenone | Aniline | Anthracene | Aramite, Total | Atrazine | Benzaldehyde | Benzo[a]anthracene | Benzo[a]pyrene | Benzo[b]fluoranthene | Benzo[g,h,i]perylene | Benzo[k]fluoranthene |
| | | | CAS No. | 56-57-5 | 99-55-8 | 57-97-6 | 122-09-8 | 83-32-9 | 208-96-8 | 98-86-2 | 62-53-3 | 120-12-7 | 140-57-8 | 1912-24-9 | 100-52-7 | 56-55-3 | 50-32-8 | 205-99-2 | 191-24-2 | 207-08-9 |
| | | | Units | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L |
| | | | PAL | NE | 8.2 | 0.0001 | NE | 530 | NE | 1900 | 13 | 1800 | 1.3 | 3 | 19 | 0.03 | 0.2 | 0.25 | NE | 2.5 |
| Station | Sample ID | Date | Type | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| PMW-3 | ND40-WTRPMW-3-4Q05-A | 11/4/2005 | FS | NA | 5.1 U[U] | NA | NA | 5.1 U[U] | 5.1 U[U] | NA | 13 U[U] | 5.1 U[U] | NA | NA | NA | 5.1 U[U] | 5.1 U[U] | 5.1 U[U] | 5.1 U[U] | 5.1 U[U] |
| | ND40-WTRPMW-3-1Q06-A | 1/31/2006 | FS | NA | 5.5 U[U] | NA | NA | 5.5 U[U] | 5.5 U[U] | NA | 14 UJ[UJ] | 5.5 U[U] | NA | NA | NA | 5.5 U[U] | 5.5 U[U] | 5.5 U[U] | 5.5 UJ[UJ] | 5.5 U[U] |
| | ND40-WTRPMW-3-2Q06-A | 4/19/2006 | FS | NA | 5.3 UJ[UJ] | NA | NA | 5.3 UJ[UJ] | 5.3 UJ[UJ] | NA | 13 UJ[UJ] | 5.3 UJ[UJ] | NA | NA | NA | 5.3 UJ[UJ] | 5.3 UJ[UJ] | 5.3 UJ[UJ] | 5.3 UJ[UJ] | 5.3 UJ[UJ] |
| | ND40-WTRPMW-3-3Q06-A | 7/12/2006 | FS | NA | 20 U[U] | NA | NA | 10 U[U] | 10 U[U] | NA | 20 U[U] | 10 U[U] | NA | NA | NA | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] |
| | ND40-WTRPMW-3-3Q06-B | 7/12/2006 | FD | NA | 20 U-U | NA | NA | 10 U-U | 10 U-U | NA | 20 U-U | 10 U-U | NA | NA | NA | 10 U-U | 10 U-U | 10 U-U | 10 U-U | 10 U-U |
| | ND40-WTRPMW-3-1Q07-A | 3/7/2007 | FS | NA | 20 UJ[UJ] | NA | NA | 10 UJ[UJ] | 10 UJ[UJ] | NA | 20 UJ[UJ] | 10 UJ[UJ] | NA | NA | NA | 10 UJ[UJ] | 10 UJ[UJ] | 10 UJ[UJ] | 10 UJ[UJ] | 10 UJ[UJ] |
| | ND40-WTRPMW-3-4Q07-A | 10/16/2007 | FS | NA | 20 U[U] | NA | NA | 10 U[U] | 10 U[U] | NA | 20 U[U] | 10 U[U] | NA | NA | NA | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] |
| | ND40-WTRPMW-3-4Q07-B | 10/16/2007 | FD | NA | 20 U[U] | NA | NA | 10 U[U] | 10 U[U] | NA | 20 U[U] | 10 U[U] | NA | NA | NA | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] |
| | ND40-WTRPMW-3-1Q08-A | 4/9/2008 | FS | NA | 20 U[U] | NA | NA | 10 U[U] | 10 U[U] | NA | 20 U[U] | 10 U[U] | NA | NA | NA | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] |
| | ND40-WTRPMW-3-1Q08-B | 4/9/2008 | FD | NA | 20 U[U] | NA | NA | 10 U[U] | 10 U[U] | NA | 20 U[U] | 10 U[U] | NA | NA | NA | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] |
| | ND40-WTRPMW-3-1Q09-A | 4/8/2009 | FS | NA | 20 U[U] | NA | NA | 10 U[U] | 10 U[U] | NA | 20 U[U] | 10 U[U] | NA | NA | NA | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] |
| | ND40-WTRPMW-3-1Q09-B | 4/8/2009 | FD | NA | 20 U[U] | NA | NA | 10 U[U] | 10 U[U] | NA | 20 U[U] | 10 U[U] | NA | NA | NA | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] |
| | ND40-WTRPMW-3-1Q10-A | 4/13/2010 | FS | NA | 1.3 U[U] | NA | NA | 0.27 U[U] | 0.47 U[U] | NA | 1.9 U[U] | 0.4 U[U] | NA | NA | NA | 0.34 U[U] | 0.3 U[U] | 0.51 U[U] | 0.48 U[U] | 0.44 U[U] |
| | ND40-WTRPMW-3-1Q10-B | 4/13/2010 | FD | NA | 1.3 U[U] | NA | NA | 0.27 U[U] | 0.47 U[U] | NA | 1.9 U[U] | 0.4 U[U] | NA | NA | NA | 0.33 U[U] | 0.29 U[U] | 0.5 U[U] | 0.47 U[U] | 0.44 U[U] |
| | ND40-WTRPMW-3-2012-A | 8/8/2012 | FS | NA | 1.3 U[U] | NA | NA | **0.41 [J]** | 0.47 U[U] | NA | 1.9 U[U] | 0.4 U[U] | NA | NA | NA | 0.33 U[U] | 0.3 U[U] | 0.51 U[U] | 0.48 U[U] | 0.44 U[U] |
| | ND40-WTRPMW-3-2012-B | 8/8/2012 | FD | NA | 1.3 U[U] | NA | NA | 0.27 U[U] | 0.46 U[U] | NA | 1.9 U[U] | 0.4 U[U] | NA | NA | NA | 0.33 U[U] | 0.29 U[U] | 0.5 U[U] | 0.47 U[U] | 0.44 U[U] |
| | ND40-WTRPMW-3-2013-A | 5/22/2013 | FS | NA | 1.3 U[U] | NA | NA | 0.26 U[U] | 0.46 U[U] | NA | 1.9 U[U] | 0.4 U[U] | NA | NA | NA | 0.33 U[U] | 0.29 U[U] | 0.5 U[U] | 0.47 U[U] | 0.43 U[U] |
| | ND40-WTRPMW-3-2013-B | 5/22/2013 | FD | NA | 1.3 U[U] | NA | NA | 0.27 U[U] | 0.46 U[U] | NA | 1.9 U[U] | 0.4 U[U] | NA | NA | NA | 0.33 U[U] | 0.29 U[U] | 0.5 U[U] | 0.47 U[U] | 0.44 U[U] |
| | ND40-WTRPMW-3-2014-A | 5/13/2014 | FS | NA | 1.4 U[U] | NA | NA | 0.28 U[U] | 0.49 U[U] | NA | 2 U[U] | 0.42 U[U] | NA | NA | NA | 0.35 U[U] | 0.31 U[U] | 0.53 U[U] | 0.5 U[U] | 0.46 U[U] |
| | ND40-WTRPMW-3-2015-A | 5/7/2015 | FS | NA | 19 U[U] | NA | NA | 9.6 U[U] | 9.6 U[U] | NA | 19 UJ[UJ] | 9.6 U[U] | NA | NA | NA | 9.6 U[U] | 9.6 U[U] | 9.6 U[U] | 9.6 U[U] | 9.6 U[U] |
| | ND40-WTRPMW-3-2015-B | 5/7/2015 | FD | NA | 19 U[U] | NA | NA | 9.5 U[U] | 9.5 U[U] | NA | 19 UJ[UJ] | 9.5 U[U] | NA | NA | NA | 9.5 U[U] | 9.5 U[U] | 9.5 U[U] | 9.5 U[U] | 9.5 U[U] |
| | NAAD40-PMW-3-00 | 5/9/2016 | FS | 49 UQ[UJ] | 3.9 U[U] | 3.9 U[U] | 49 U[U] | 0.98 U[U] | 0.98 U[U] | 0.49 U[U] | 4.3 U[U] | 0.98 U[U] | 20 UQ[U] | 2 U[U] | 2 U[U] | 0.98 U[U] | 0.98 U[U] | 2 U[U] | 0.98 U[U] | 0.98 U[U] |
| | NAAD40-PMW-3-00 | 5/4/2017 | FS | 53 U[U] | 4.2 U[U] | 4.2 U[U] | 53 U[U] | 1.1 U[U] | 1.1 U[U] | 0.53 U[U] | 4.6 U[U] | 1.1 U[U] | 21 U[U] | 2.1 U[U] | 2.1 U[U] | 1.1 U[U] | 1.1 U[U] | 2.1 U[U] | 1.1 U[U] | 1.1 U[U] |
| | NAAD40-PMW3-00 | 5/24/2018 | FS | 10.5 U[U] | 2.63 U[U] | 13.2 U[U] | 13.2 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 5.26 U[U] | 2.63 U[U] | 2.63 U[U] | 10.5 U[U] | 10.5 U[UJ] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] |
| | NAAD40-PMW3-00 | 4/30/2019 | FS | 22.2 U[U] | 5.56 U[U] | 27.8 U[U] | 27.8 U[U] | 5.56 U[U] | 5.56 U[U] | 5.56 U[U] | 11.1 U[U] | 5.56 U[U] | 5.56 U[U] | 22.2 U[U] | 22.2 U[U] | 5.56 U[U] | 5.56 U[U] | 5.56 U[U] | 5.56 U[U] | 5.56 U[U] |
| | NAAD40-PMW3-01 | 4/30/2019 | FD | 22.2 UQ[U] | 5.56 UQ[U] | 27.8 UQ[U] | 27.8 UQ[U] | 5.56 UQ[U] | 5.56 UQ[U] | 5.56 UQ[U] | 11.1 UQ[U] | 5.56 UQ[U] | 5.56 UQ[U] | 22.2 UQ[U] | 22.2 UQ[U] | 5.56 UQ[U] | 5.56 UQ[U] | 5.56 UQ[U] | 5.56 UQ[U] | 5.56 UQ[U] |
| PMW-4 | ND40-WTRPMW-4-1Q08-A | 4/10/2008 | FS | NA | 20 U[U] | NA | NA | 10 U[U] | 10 U[U] | NA | 20 U[U] | 10 U[U] | NA | NA | NA | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] |
| | ND40-WTRPMW-4-1Q09-A | 4/8/2009 | FS | NA | 20 U[U] | NA | NA | 10 U[U] | 10 U[U] | NA | 20 U[U] | 10 U[U] | NA | NA | NA | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] |
| | ND40-WTRPMW-4-1Q10-A | 4/13/2010 | FS | NA | 1.4 U[U] | NA | NA | 0.28 U[U] | 0.49 U[U] | NA | 2 U[U] | 0.42 U[U] | NA | NA | NA | 0.35 U[U] | 0.31 U[U] | 0.53 U[U] | 0.5 U[U] | 0.46 U[U] |
| | ND40-WTRPMW-4-2015-A | 5/7/2015 | FS | NA | 19 U[U] | NA | NA | 9.5 U[U] | 9.5 U[U] | NA | 19 UJ[UJ] | 9.5 U[U] | NA | NA | NA | 9.5 U[U] | 9.5 U[U] | 9.5 U[U] | 9.5 U[U] | 9.5 U[U] |
| | NAAD40-PMW-4-00 | 5/9/2016 | FS | 48 UQ[UJ] | 3.8 U[UJ] | 3.8 UQ[UJ] | 48 U[UJ] | 0.96 UQ[UJ] | 0.96 UQ[UJ] | 0.48 U[UJ] | 4.2 U[UJ] | 0.96 UQ[UJ] | 19 UQ[UJ] | 1.9 U[UJ] | 1.9 U[UJ] | 0.96 UQ[UJ] | 0.96 UQ[UJ] | 1.9 UQ[UJ] | 0.96 UQ[UJ] | 0.96 UQ[UJ] |
| | NAAD40-PMW-4-00 | 5/4/2017 | FS | 51 UQ[UJ] | 4.1 U[U] | 4.1 U[U] | 51 U[U] | 1 U[U] | 1 U[U] | 0.51 U[U] | 4.5 U[U] | 1 U[U] | 20 U[U] | 2 U[U] | 2 U[U] | 1 U[U] | 1 U[U] | 2 U[U] | 1 U[U] | 1 U[U] |
| | NAAD40-PMW-4-01 | 5/4/2017 | FD | 51 UQ[UJ] | 4.1 U[U] | 4.1 U[U] | 51 U[U] | 1 U[U] | 1 U[U] | 0.51 U[U] | 4.5 U[U] | 1 U[U] | 20 U[U] | 2 U[U] | 2 U[U] | 1 U[U] | 1 U[U] | 2 U[U] | 1 U[U] | 1 U[U] |
| | NAAD40-PMW4-00 | 4/30/2019 | FS | 23 U[U] | 5.74 U[U] | 28.7 U[U] | 28.7 U[U] | 5.74 U[U] | 5.74 U[U] | 5.74 U[U] | 11.5 U[U] | 5.74 U[U] | 5.74 U[U] | 23 U[U] | 23 U[U] | 5.74 U[U] | 5.74 U[U] | 5.74 U[U] | 5.74 U[U] | 5.74 U[U] |

**Table H-2**
**Cumulative Analytical Data**
**NAAD-40**

| | | | Analysis Group | SVOCs | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Analyte | 4-Nitroquinoline 1-Oxide | 5-Nitro-o-toluidine | 7,12-Dimethylbenz(a)anthracene | a,a-Dimethylphenethylamine | Acenaphthene | Acenaphthylene | Acetophenone | Aniline | Anthracene | Aramite, Total | Atrazine | Benzaldehyde | Benzo[a]anthracene | Benzo[a]pyrene | Benzo[b]fluoranthene | Benzo[g,h,i]perylene | Benzo[k]fluoranthene |
| | | | CAS No. | 56-57-5 | 99-55-8 | 57-97-6 | 122-09-8 | 83-32-9 | 208-96-8 | 98-86-2 | 62-53-3 | 120-12-7 | 140-57-8 | 1912-24-9 | 100-52-7 | 56-55-3 | 50-32-8 | 205-99-2 | 191-24-2 | 207-08-9 |
| | | | Units | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L |
| | | | PAL | NE | 8.2 | 0.0001 | NE | 530 | NE | 1900 | 13 | 1800 | 1.3 | 3 | 19 | 0.03 | 0.2 | 0.25 | NE | 2.5 |
| Station | Sample ID | Date | Type | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| PMW-5 | ND40-WTRPMW-5-4Q05-A | 11/3/2005 | FS | NA | 5.1 U[U] | NA | NA | 5.1 U[U] | 5.1 U[U] | NA | 13 U[U] | 5.1 U[U] | NA | NA | NA | 5.1 U[U] | 5.1 U[U] | 5.1 U[U] | 5.1 U[U] | 5.1 U[U] |
| | ND40-WTRPMW-5-1Q06-A | 1/31/2006 | FS | NA | 5.4 U[U] | NA | NA | 5.4 U[U] | 5.4 U[U] | NA | 14 UJ[UJ] | 5.4 U[U] | NA | NA | NA | 5.4 U[U] | 5.4 U[U] | 5.4 U[U] | 5.4 UJ[UJ] | 5.4 U[U] |
| | ND40-WTRPMW-5-2Q06-A | 4/19/2006 | FS | NA | 5.1 UJ[UJ] | NA | NA | 5.1 UJ[UJ] | 5.1 UJ[UJ] | NA | 13 UJ[UJ] | 5.1 UJ[UJ] | NA | NA | NA | 5.1 UJ[UJ] | 5.1 UJ[UJ] | 5.1 UJ[UJ] | 5.1 UJ[UJ] | 5.1 UJ[UJ] |
| | ND40-WTRPMW-5-3Q06-A | 7/12/2006 | FS | NA | 20 U[U] | NA | NA | 10 U[U] | 10 U[U] | NA | 20 U[U] | 10 U[U] | NA | NA | NA | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] |
| | ND40-WTRPMW-5-1Q07-A | 3/7/2007 | FS | NA | 20 UJ[UJ] | NA | NA | 10 UJ[UJ] | 10 UJ[UJ] | NA | 20 UJ[UJ] | 10 UJ[UJ] | NA | NA | NA | 10 UJ[UJ] | 10 UJ[UJ] | 10 UJ[UJ] | 10 UJ[UJ] | 10 UJ[UJ] |
| | ND40-WTRPMW-5-1Q08-A | 4/9/2008 | FS | NA | 20 U[U] | NA | NA | 10 U[U] | 10 U[U] | NA | 20 U[U] | 10 U[U] | NA | NA | NA | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] |
| | ND40-WTRPMW-5-1Q09-A | 4/8/2009 | FS | NA | 20 U[U] | NA | NA | 10 U[U] | 10 U[U] | NA | 20 U[U] | 10 U[U] | NA | NA | NA | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 10 U[U] |
| | ND40-WTRPMW-5-1Q10-A | 4/13/2010 | FS | NA | 1.4 U[U] | NA | NA | 0.27 U[U] | 0.48 U[U] | NA | 2 U[U] | 0.41 U[U] | NA | NA | NA | 0.34 U[U] | 0.3 U[U] | 0.52 U[U] | 0.49 U[U] | 0.45 U[U] |
| | ND40-WTRPMW-5-2012-A | 8/8/2012 | FS | NA | 1.3 U[U] | NA | NA | 0.27 U[U] | 0.47 U[U] | NA | 1.9 U[U] | 0.4 U[U] | NA | NA | NA | 0.34 U[U] | 0.3 U[U] | 0.51 U[U] | 0.48 U[U] | 0.44 U[U] |
| | ND40-WTRPMW-5-2013-A | 5/22/2013 | FS | NA | 1.3 U[U] | NA | NA | 0.27 U[U] | 0.46 U[U] | NA | 1.9 U[U] | 0.4 U[U] | NA | NA | NA | 0.33 U[U] | 0.29 U[U] | 0.5 U[U] | 0.47 U[U] | 0.44 U[U] |
| | ND40-WTRPMW-5-2014-A | 5/13/2014 | FS | NA | 1.4 U[U] | NA | NA | 0.28 U[U] | 0.49 U[U] | NA | 2 U[U] | 0.42 U[U] | NA | NA | NA | 0.35 U[U] | 0.31 U[U] | 0.53 U[U] | 0.5 U[U] | 0.46 U[U] |
| | ND40-WTRPMW-5-2015-A | 5/6/2015 | FS | NA | 20 U[U] | NA | NA | 9.8 U[U] | 9.8 U[U] | NA | 20 UJ[UJ] | 9.8 U[U] | NA | NA | NA | 9.8 U[U] | 9.8 U[U] | 9.8 U[U] | 9.8 U[U] | 9.8 U[U] |
| | NAAD40-PMW-5-00 | 5/9/2016 | FS | 48 UQ[UJ] | 3.8 U[U] | 3.8 U[U] | 48 UJ[U] | 0.96 U[U] | 0.96 U[U] | 0.48 U[U] | 4.2 U[U] | 0.96 U[U] | 19 UJQ[UJ] | 1.9 UJ[UJ] | 1.9 UJ[UJ] | 0.96 U[U] | 0.96 U[U] | 1.9 U[U] | 0.96 U[U] | 0.96 U[U] |
| | NAAD40-PMW-5-00 | 5/4/2017 | FS | 52 UQ[UJ] | 4.1 U[U] | 4.1 U[U] | 52 UJ[UJ] | 1 U[U] | 1 U[U] | 0.52 U[U] | 4.5 U[U] | 1 U[U] | 21 U[U] | 2.1 UJ[R] | 2.1 UJ[R] | 1 U[U] | 1 U[U] | 2.1 U[U] | 1 U[U] | 1 U[U] |
| | NAAD40-PMW5-00 | 5/24/2018 | FS | 10.5 U[U] | 2.63 U[U] | 13.2 U[U] | 13.2 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 5.26 U[U] | 2.63 U[U] | 2.63 U[U] | 10.5 U[U] | 10.5 U[UJ] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] |
| | NAAD40-PMW5-01 | 5/24/2018 | FD | 10.5 U[U] | 2.63 U[U] | 13.2 U[U] | 13.2 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 5.26 U[U] | 2.63 U[U] | 2.63 U[U] | 10.5 U[U] | 10.5 U[UJ] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] |
| | NAAD40-PMW5-00 | 4/30/2019 | FS | 22.4 U[U] | 5.62 U[U] | 28.1 U[U] | 28.1 U[U] | 5.62 U[U] | 5.62 U[U] | 5.62 U[U] | 11.2 U[U] | 5.62 U[U] | 5.62 U[U] | 22.4 U[U] | 22.4 U[U] | 5.62 U[U] | 5.62 U[U] | 5.62 U[U] | 5.62 U[U] | 5.62 U[U] |

**Table H-2**
**Cumulative Analytical Data**
**NAAD-40**

| | | | Analysis Group | SVOCs | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Analyte | Benzoic acid | Benzyl alcohol | bis(2-Chloroethoxy)methane | Bis(2-chloroethyl) ether | Bis(2-ethylhexyl) phthalate | Butyl Benzyl Phthalate | Caprolactam | Carbazole | Chrysene | Diallate | Dibenz(a,h)anthracene | Dibenzofuran | Diethyl phthalate | Dimethoate | Dimethyl phthalate | Di-N-Butyl phthalate | Di-N-Octyl phthalate |
| | | | CAS No. | 65-85-0 | 100-51-6 | 111-91-1 | 111-44-4 | 117-81-7 | 85-68-7 | 105-60-2 | 86-74-8 | 218-01-9 | 2303-16-4 | 53-70-3 | 132-64-9 | 84-66-2 | 60-51-5 | 131-11-3 | 84-74-2 | 117-84-0 |
| | | | Units | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L |
| | | | PAL | 75000 | 2000 | 59 | 0.014 | 6 | 16 | 9900 | NE | 25 | 0.54 | 0.025 | 7.9 | 15000 | 44 | NE | 900 | 200 |
| Station | Sample ID | Date | Type | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| FSL5 | FSL5 | 10/17/2007 | FS | 60 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 20 U[U] | 20 U[U] | NA | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | 20 U[U] | NA | 20 U[U] | 20 U[U] | 20 U[U] |
| PMW-1 | ND40-WTRPMW-1-4Q05-A | 11/3/2005 | FS | **13 R[R]** | 5.1 U[U] | 5.1 U[U] | 5.1 U[U] | 0.47 U[U] | 5.1 U[U] | NA | 5.1 U[U] | 5.1 U[U] | NA | 5.1 U[U] | 5.1 U[U] | 5.1 U[U] | NA | 5.1 U[U] | 5.1 U[U] | 5.1 U[U] |
| | ND40-WTRPMW-1-4Q05-B | 11/3/2005 | FD | **13 R[R]** | 5 U[U] | 5 U[U] | 5 U[U] | 0.4 U[U] | 5 U[U] | NA | 5 U[U] | 5 U[U] | NA | 5 U[U] | 5 U[U] | 5 U[U] | NA | 5 U[U] | 5 U[U] | 5 U[U] |
| | ND40-WTRPMW-1-1Q06-A | 1/31/2006 | FS | 14 UJ[UJ] | 5.6 U[U] | 5.6 U[U] | 5.6 U[U] | 5.6 UJ[UJ] | 5.6 U[U] | NA | 5.6 U[U] | 5.6 U[U] | NA | 5.6 U[U] | 5.6 U[U] | 5.6 U[U] | NA | 5.6 U[U] | 5.6 U[U] | 5.6 U[U] |
| | ND40-WTRPMW-1-1Q06-B | 1/31/2006 | FD | 13 UJ[UJ] | 5.2 U[U] | 5.2 U[U] | 5.2 U[U] | 5.2 UJ[UJ] | 5.2 U[U] | NA | 5.2 U[U] | 5.2 U[U] | NA | 5.2 U[U] | 5.2 U[U] | 5.2 U[U] | NA | 5.2 U[U] | 5.2 U[U] | 5.2 U[U] |
| | ND40-WTRPMW-1-2Q06-A | 4/19/2006 | FS | **13 R[R]** | 5 UJ[UJ] | 5 UJ[UJ] | 5 UJ[UJ] | 5 UJ[UJ] | 5 UJ[UJ] | NA | 5 UJ[UJ] | 5 UJ[UJ] | NA | 5 UJ[UJ] | 5 UJ[UJ] | 5 UJ[UJ] | NA | 5 UJ[UJ] | 5 UJ[UJ] | 5 UJ[UJ] |
| | ND40-WTRPMW-1-2Q06-B | 4/19/2006 | FD | **13 R[R]** | 5 UJ[UJ] | 5 UJ[UJ] | 5 UJ[UJ] | 5 UJ[UJ] | 5 UJ[UJ] | NA | 5 UJ[UJ] | 5 UJ[UJ] | NA | 5 UJ[UJ] | 5 UJ[UJ] | 5 UJ[UJ] | NA | 5 UJ[UJ] | 5 UJ[UJ] | 5 UJ[UJ] |
| | ND40-WTRPMW-1-3Q06-A | 7/12/2006 | FS | 60 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 20 U[U] | 20 U[U] | NA | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | 20 U[U] | NA | 20 U[U] | 20 U[U] | 20 U[U] |
| | ND40-WTRPMW-1-1Q07-A | 3/7/2007 | FS | 60 UJ[UJ] | 10 UJ[UJ] | 10 UJ[UJ] | 10 UJ[UJ] | 20 UJ[UJ] | 20 UJ[UJ] | NA | 10 UJ[UJ] | 10 UJ[UJ] | NA | 10 UJ[UJ] | 10 UJ[UJ] | 20 UJ[UJ] | NA | 20 UJ[UJ] | 20 UJ[UJ] | 20 UJ[UJ] |
| | ND40-WTRPMW-1-1Q07-B | 3/7/2007 | FD | 60 UJ[UJ] | 10 UJ[UJ] | 10 UJ[UJ] | 10 UJ[UJ] | 20 UJ[UJ] | 20 UJ[UJ] | NA | 10 UJ[UJ] | 10 UJ[UJ] | NA | 10 UJ[UJ] | 10 UJ[UJ] | 20 UJ[UJ] | NA | 20 UJ[UJ] | 20 UJ[UJ] | 20 UJ[UJ] |
| | ND40-WTRPMW-1-4Q07-A | 10/16/2007 | FS | 60 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | **1.8 J[J]** | 20 U[U] | NA | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | 20 U[U] | NA | 20 U[U] | 20 U[U] | 20 U[U] |
| | ND40-WTRPMW-1-1Q08-A | 4/9/2008 | FS | 60 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 20 U[U] | 20 U[U] | NA | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | 20 U[U] | NA | 20 U[U] | 20 U[U] | 20 U[U] |
| | ND40-WTRPMW-1-1Q09-A | 4/8/2009 | FS | 60 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | **0.59 J[J]** | 20 U[U] | NA | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | 20 U[U] | NA | 20 U[U] | 20 U[U] | 20 U[U] |
| | ND40-WTRPMW-1-1Q10-A | 4/13/2010 | FS | 9.8 U[U] | 0.23 U[U] | 0.95 U[U] | 0.4 U[U] | 2.3 U[U] | 0.98 U[U] | NA | 0.42 U[U] | 0.53 U[U] | NA | 0.5 U[U] | 0.29 U[U] | 0.37 U[U] | NA | 0.21 U[U] | 1.1 U[U] | 0.34 U[U] |
| | ND40-WTRPMW-1-2012-A | 8/9/2012 | FS | 9.9 U[U] | 0.23 U[U] | 0.96 U[U] | 0.4 U[U] | 0.55 U[U] | 0.99 U[U] | NA | 0.42 U[U] | 0.53 U[U] | NA | 0.5 U[U] | 0.29 U[U] | 0.37 U[U] | NA | 0.21 U[U] | 1.1 U[U] | 0.34 U[U] |
| | ND40-WTRPMW-1-2013-A | 5/22/2013 | FS | 9.7 U[U] | 0.22 U[U] | 0.94 U[U] | 0.4 U[U] | 0.54 U[U] | 0.97 U[U] | NA | 0.42 U[U] | 0.52 U[U] | NA | 0.5 U[U] | 0.28 U[U] | 0.37 U[U] | NA | 0.2 U[U] | 1.1 U[U] | 0.34 U[U] |
| | ND40-WTRPMW-1-2014-A | 5/13/2014 | FS | 9.8 U[U] | 0.22 U[U] | 0.95 U[U] | 0.4 U[U] | 0.55 U[U] | 0.98 U[U] | NA | 0.42 U[U] | 0.53 U[U] | NA | 0.5 U[U] | 0.28 U[U] | 0.37 U[U] | NA | 0.21 U[U] | 1.1 U[U] | 0.34 U[U] |
| | ND40-WTRPMW-1-2015-A | 5/6/2015 | FS | 57 U[U] | 9.5 U[U] | 9.5 U[U] | 9.5 U[U] | 19 U[U] | 19 U[U] | NA | 9.5 U[U] | 9.5 U[U] | NA | 9.5 U[U] | 9.5 U[U] | 19 U[U] | NA | 19 U[U] | 19 U[U] | 19 U[U] |
| | NAAD40-PMW-1-00 | 5/9/2016 | FS | 31 U[U] | 0.51 U[U] | 2 U[U] | 1 U[U] | 2 U[U] | 2 U[U] | 5.1 U[U] | 1 U[U] | 2 U[U] | 2 U[U] | 2 U[U] | 1 U[U] | 1 U[U] | 4.1 U[U] | 0.51 U[U] | 4.5 U[U] | 1 U[U] |
| | NAAD40-PMW-1-00 | 5/4/2017 | FS | 30 U[U] | 0.5 U[U] | 2 U[U] | 0.99 U[U] | 2 U[U] | 2 U[U] | 5 U[U] | 0.99 U[U] | 2 UQ[UJ] | 2 U[U] | 2 U[U] | 0.99 U[U] | 0.99 U[U] | 4 U[U] | 0.5 U[U] | 4.4 U[U] | 0.99 U[U] |
| | NAAD40-PMW1-00 | 5/24/2018 | FS | 10.5 Q[UJ] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 10.5 U[U] | 10.5 U[U] | 2.63 U[U] | 13.2 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[UJ] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] |
| | NAAD40-PMW1-00 | 5/1/2019 | FS | 25 U[UJ] | 5 U[U] | 5 U[U] | 5 U[U] | 6 U[U] | 5 U[U] | 10 U[U] | 10 U[U] | 5 U[U] | 25 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] |
| PMW-2 | ND40-WTRPMW-2-4Q05-A | 11/4/2005 | FS | **13 R[R]** | 5.1 U[U] | 5.1 U[U] | 5.1 U[U] | 1.1 U[U] | 5.1 U[U] | NA | 5.1 U[U] | 5.1 U[U] | NA | 5.1 U[U] | 5.1 U[U] | 5.1 U[U] | NA | 5.1 U[U] | 5.1 U[U] | 5.1 U[U] |
| | ND40-WTRPMW-2-1Q06-A | 1/31/2006 | FS | 13 UJ[UJ] | 5.2 U[U] | 5.2 U[U] | 5.2 U[U] | 5.2 UJ[UJ] | 5.2 U[U] | NA | 5.2 U[U] | 5.2 U[U] | NA | 5.2 U[U] | 5.2 U[U] | 5.2 U[U] | NA | 5.2 U[U] | 5.2 U[U] | 5.2 U[U] |
| | ND40-WTRPMW-2-2-Q06-A | 4/19/2006 | FS | **15 R[R]** | 5.9 UJ[UJ] | 5.9 UJ[UJ] | 5.9 UJ[UJ] | 0.38 UJ[UJ] | 5.9 UJ[UJ] | NA | 5.9 UJ[UJ] | 5.9 UJ[UJ] | NA | 5.9 UJ[UJ] | 5.9 UJ[UJ] | 5.9 UJ[UJ] | NA | 5.9 UJ[UJ] | 5.9 UJ[UJ] | 5.9 UJ[UJ] |
| | ND40-WTRPMW-2-3Q06-A | 7/12/2006 | FS | 60 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 20 U[U] | 20 U[U] | NA | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | 20 U[U] | NA | 20 U[U] | 20 U[U] | 20 U[U] |
| | ND40-WTRPMW-2-1Q07-A | 3/7/2007 | FS | 60 UJ[UJ] | 10 UJ[UJ] | 10 UJ[UJ] | 10 UJ[UJ] | 20 UJ[UJ] | 20 UJ[UJ] | NA | 10 UJ[UJ] | 10 UJ[UJ] | NA | 10 UJ[UJ] | 10 UJ[UJ] | 20 UJ[UJ] | NA | 20 UJ[UJ] | 20 UJ[UJ] | 20 UJ[UJ] |
| | ND40-WTRPMW-2-4Q07-A | 10/16/2007 | FS | 60 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | **2.1 J[J]** | 20 U[U] | NA | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | 20 U[U] | NA | 20 U[U] | 20 U[U] | 20 U[U] |
| | ND40-WTRPMW-2-1Q08-A | 4/9/2008 | FS | 60 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 20 U[U] | 20 U[U] | NA | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | 20 U[U] | NA | 20 U[U] | 20 U[U] | 20 U[U] |
| | ND40-WTRPMW-2-1Q09-A | 4/8/2009 | FS | 60 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | **0.79 J[J]** | 20 U[U] | NA | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | 20 U[U] | NA | 20 U[U] | 20 U[U] | 20 U[U] |
| | ND40-WTRPMW-2-1Q10-A | 4/13/2010 | FS | 9.5 U[U] | 0.22 U[U] | 0.92 U[U] | 0.39 U[U] | 1.9 U[U] | 0.95 U[U] | NA | 0.41 U[U] | 0.51 U[U] | NA | 0.48 U[U] | 0.28 U[U] | 0.36 U[U] | NA | 0.2 U[U] | 1.1 U[U] | 0.33 U[U] |
| | ND40-WTRPMW-2-2012-A | 8/8/2012 | FS | 9.7 U[U] | NA | 0.94 U[U] | 0.4 U[U] | **0.61 [J]** | 0.97 U[U] | NA | 0.42 U[U] | 0.52 U[U] | NA | 0.49 U[U] | 0.28 U[U] | 0.37 U[U] | NA | 0.2 U[U] | 1.1 U[U] | 0.34 U[U] |
| | ND40-WTRPMW-2-2013-A | 5/22/2013 | FS | 9.5 U[U] | 0.22 U[U] | 0.92 U[U] | 0.39 U[U] | 0.53 U[U] | 0.95 U[U] | NA | 0.41 U[U] | 0.51 U[U] | NA | 0.49 U[U] | 0.28 U[U] | 0.36 U[U] | NA | 0.2 U[U] | 1.1 U[U] | 0.33 U[U] |
| | ND40-WTRPMW-2-2014-A | 5/13/2014 | FS | 10 U[U] | 0.23 U[U] | 0.97 U[U] | 0.41 U[U] | 0.56 U[U] | 1 U[U] | NA | 0.43 U[U] | 0.54 U[U] | NA | 0.51 U[U] | 0.29 U[U] | 0.38 U[U] | NA | 0.21 U[U] | 1.2 U[U] | 0.35 U[U] |
| | ND40-WTRPMW-2-2014-B | 5/13/2014 | FD | 10 U[U] | 0.23 U[U] | 0.97 U[U] | 0.41 U[U] | 0.56 U[U] | 1 U[U] | NA | 0.43 U[U] | 0.54 U[U] | NA | 0.51 U[U] | 0.29 U[U] | 0.38 U[U] | NA | 0.21 U[U] | 1.2 U[U] | 0.35 U[U] |
| | ND40-WTRPMW-2-2015-A | 5/7/2015 | FS | 57 UJ[UJ] | 9.5 U[U] | 9.5 U[U] | 9.5 U[U] | **0.6 J[J]** | 19 U[U] | NA | 9.5 U[U] | 9.5 U[U] | NA | 9.5 U[U] | 9.5 U[U] | 19 U[U] | NA | 19 U[U] | 19 U[U] | 19 U[U] |
| | NAAD40-PMW-2-00 | 5/9/2016 | FS | 30 U[U] | 0.5 U[U] | 2 U[U] | 1 U[U] | 2 U[U] | 2 U[U] | 5 U[U] | 1 U[U] | 2 U[U] | 2 U[U] | 2 U[U] | 1 U[U] | 1 U[U] | 4 U[U] | 0.5 U[U] | 4.4 U[U] | 1 U[U] |
| | NAAD40-PMW-2-01 | 5/9/2016 | FD | 30 U[U] | 0.5 U[U] | 2 U[U] | 1 U[U] | 10 J[U] | 2 U[U] | 5 U[U] | 1 U[U] | 2 U[U] | 2 U[U] | 2 U[U] | 1 U[U] | 1 U[U] | 4 U[U] | 0.5 U[U] | 4.4 U[U] | 1 U[U] |
| | NAAD40-PMW-2-00 | 5/3/2017 | FS | 31 U[U] | 0.51 U[U] | 2 U[U] | 1 U[U] | 2 U[U] | 2 U[U] | 5.1 U[U] | 1 U[U] | 2 UQ[UJ] | 2 U[U] | 2 U[U] | 1 U[U] | 1 U[U] | 4.1 U[U] | 0.51 U[U] | 4.5 U[U] | 1 U[U] |
| | NAAD40-PMW2-00 | 5/23/2018 | FS | 10.5 Q[UJ] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 10.5 U[U] | 10.5 U[U] | 2.63 U[U] | 13.2 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[UJ] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] |
| | NAAD40-PMW2-00 | 4/30/2019 | FS | 27.8 U[U] | 5.56 U[U] | 5.56 U[U] | 5.56 U[U] | 6.67 U[U] | 5.56 U[U] | 11.1 U[U] | 11.1 U[U] | 5.56 U[U] | 27.8 U[U] | 5.56 U[U] | 5.56 U[U] | 5.56 U[U] | 5.56 U[UJ] | 5.56 U[U] | 5.56 U[U] | 5.56 U[U] |

**Table H-2**
**Cumulative Analytical Data**
**NAAD-40**

| | | | Analysis Group | SVOCs | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Analyte | Benzoic acid | Benzyl alcohol | bis(2-Chloroethoxy)methane | Bis(2-chloroethyl) ether | Bis(2-ethylhexyl) phthalate | Butyl Benzyl Phthalate | Caprolactam | Carbazole | Chrysene | Diallate | Dibenz(a,h)anthracene | Dibenzofuran | Diethyl phthalate | Dimethoate | Dimethyl phthalate | Di-N-Butyl phthalate | Di-N-Octyl phthalate |
| | | | CAS No. | 65-85-0 | 100-51-6 | 111-91-1 | 111-44-4 | 117-81-7 | 85-68-7 | 105-60-2 | 86-74-8 | 218-01-9 | 2303-16-4 | 53-70-3 | 132-64-9 | 84-66-2 | 60-51-5 | 131-11-3 | 84-74-2 | 117-84-0 |
| | | | Units | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L |
| | | | PAL | 75000 | 2000 | 59 | 0.014 | 6 | 16 | 9900 | NE | 25 | 0.54 | 0.025 | 7.9 | 15000 | 44 | NE | 900 | 200 |
| Station | Sample ID | Date | Type | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| PMW-3 | ND40-WTRPMW-3-4Q05-A | 11/4/2005 | FS | **13 R[R]** | 5.1 U[U] | 5.1 U[U] | 5.1 U[U] | 0.84 U[U] | 5.1 U[U] | NA | 5.1 U[U] | 5.1 U[U] | NA | 5.1 U[U] | 5.1 U[U] | 5.1 U[U] | NA | 5.1 U[U] | 5.1 U[U] | 5.1 U[U] |
| | ND40-WTRPMW-3-1Q06-A | 1/31/2006 | FS | 14 UJ[UJ] | 5.5 U[U] | 5.5 U[U] | 5.5 U[U] | 5.5 UJ[UJ] | 5.5 U[U] | NA | 5.5 U[U] | 5.5 U[U] | NA | 5.5 U[U] | 5.5 U[U] | 5.5 U[U] | NA | 5.5 U[U] | 5.5 U[U] | 5.5 U[U] |
| | ND40-WTRPMW-3-2Q06-A | 4/19/2006 | FS | **13 R[R]** | 5.3 UJ[UJ] | 5.3 UJ[UJ] | 5.3 UJ[UJ] | 5.3 UJ[UJ] | 5.3 UJ[UJ] | NA | 5.3 UJ[UJ] | 5.3 UJ[UJ] | NA | 5.3 UJ[UJ] | 5.3 UJ[UJ] | 5.3 UJ[UJ] | NA | 5.3 UJ[UJ] | 5.3 UJ[UJ] | 5.3 UJ[UJ] |
| | ND40-WTRPMW-3-3Q06-A | 7/12/2006 | FS | 60 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 20 U[U] | 20 U[U] | NA | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | 20 U[U] | NA | 20 U[U] | 20 U[U] | 20 U[U] |
| | ND40-WTRPMW-3-3Q06-B | 7/12/2006 | FD | 60 U-U | 10 U-U | 10 U-U | 10 U-U | 20 U-U | 20 U-U | NA | 10 U-U | 10 U-U | NA | 10 U-U | 10 U-U | 20 U-U | NA | 20 U-U | 20 U-U | 20 U-U |
| | ND40-WTRPMW-3-1Q07-A | 3/7/2007 | FS | 60 UJ[UJ] | 10 UJ[UJ] | 10 UJ[UJ] | 10 UJ[UJ] | 20 UJ[UJ] | 20 UJ[UJ] | NA | 10 UJ[UJ] | 10 UJ[UJ] | NA | 10 UJ[UJ] | 10 UJ[UJ] | 20 UJ[UJ] | NA | 20 UJ[UJ] | 20 UJ[UJ] | 20 UJ[UJ] |
| | ND40-WTRPMW-3-4Q07-A | 10/16/2007 | FS | 60 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | **1.8 J[J]** | 20 U[U] | NA | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | 20 U[U] | NA | 20 U[U] | 20 U[U] | 20 U[U] |
| | ND40-WTRPMW-3-4Q07-B | 10/16/2007 | FD | 60 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 20 U[U] | 20 U[U] | NA | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | 20 U[U] | NA | 20 U[U] | 20 U[U] | 20 U[U] |
| | ND40-WTRPMW-3-1Q08-A | 4/9/2008 | FS | 60 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 20 U[U] | 20 U[U] | NA | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | 20 U[U] | NA | 20 U[U] | 20 U[U] | 20 U[U] |
| | ND40-WTRPMW-3-1Q08-B | 4/9/2008 | FD | 60 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 20 U[U] | 20 U[U] | NA | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | 20 U[U] | NA | 20 U[U] | 20 U[U] | 20 U[U] |
| | ND40-WTRPMW-3-1Q09-A | 4/8/2009 | FS | 60 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | **0.62 J[J]** | 20 U[U] | NA | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | 20 U[U] | NA | 20 U[U] | 20 U[U] | 20 U[U] |
| | ND40-WTRPMW-3-1Q09-B | 4/8/2009 | FD | 60 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 20 U[U] | 20 U[U] | NA | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | 20 U[U] | NA | 20 U[U] | 20 U[U] | 20 U[U] |
| | ND40-WTRPMW-3-1Q10-A | 4/13/2010 | FS | 9.6 U[U] | 0.22 U[U] | 0.93 U[U] | 0.39 U[U] | 2.1 U[U] | 0.96 U[U] | NA | 0.41 U[U] | 0.52 U[U] | NA | 0.49 U[U] | 0.28 U[U] | 0.36 U[U] | NA | 0.2 U[U] | 1.1 U[U] | 0.34 U[U] |
| | ND40-WTRPMW-3-1Q10-B | 4/13/2010 | FD | 9.5 U[U] | 0.22 U[U] | 0.92 U[U] | 0.39 U[U] | 1.9 U[U] | 0.95 U[U] | NA | 0.41 U[U] | 0.51 U[U] | NA | 0.48 U[U] | 0.28 U[U] | 0.36 U[U] | NA | 0.2 U[U] | 1.1 U[U] | 0.33 U[U] |
| | ND40-WTRPMW-3-2012-A | 8/8/2012 | FS | 9.5 U[U] | NA | 0.92 U[U] | 0.39 U[U] | 0.53 U[U] | 0.95 U[U] | NA | 0.41 U[U] | 0.51 U[U] | NA | 0.49 U[U] | 0.28 U[U] | 0.36 U[U] | NA | 0.2 U[U] | 1.1 U[U] | 0.33 U[U] |
| | ND40-WTRPMW-3-2012-B | 8/8/2012 | FD | 9.5 U[U] | NA | 0.92 U[U] | 0.39 U[U] | **0.75 [J]** | 0.95 U[U] | NA | 0.41 U[U] | 0.51 U[U] | NA | 0.48 U[U] | 0.27 U[U] | 0.36 U[U] | NA | 0.2 U[U] | 1.1 U[U] | **2.2 [J]** |
| | ND40-WTRPMW-3-2013-A | 5/22/2013 | FS | 9.4 U[U] | 0.22 U[U] | 0.91 U[U] | 0.39 U[U] | 0.53 U[U] | 0.94 U[U] | NA | 0.41 U[U] | 0.51 U[U] | NA | 0.48 U[U] | 0.27 U[U] | 0.36 U[U] | NA | 0.2 U[U] | 1.1 U[U] | 0.33 U[U] |
| | ND40-WTRPMW-3-2013-B | 5/22/2013 | FD | 9.5 U[U] | 0.22 [UJ] | 0.92 U[U] | 0.39 U[U] | 0.53 U[U] | 0.95 U[U] | NA | 0.41 U[U] | 0.51 U[U] | NA | 0.48 U[U] | 0.28 U[U] | 0.36 U[U] | NA | 0.2 U[U] | 1.1 U[U] | 0.33 U[U] |
| | ND40-WTRPMW-3-2014-A | 5/13/2014 | FS | 10 U[U] | 0.23 U[U] | 0.97 U[U] | 0.41 U[U] | 0.56 U[U] | 1 U[U] | NA | 0.43 U[U] | 0.54 U[U] | NA | 0.51 U[U] | 0.29 U[U] | 0.38 U[U] | NA | 0.21 U[U] | 1.2 U[U] | 0.35 U[U] |
| | ND40-WTRPMW-3-2015-A | 5/7/2015 | FS | 58 U[U] | 9.6 U[U] | 9.6 U[U] | 9.6 U[U] | 19 U[U] | 19 U[U] | NA | 9.6 U[U] | 9.6 U[U] | NA | 9.6 U[U] | 9.6 U[U] | 19 U[U] | NA | 19 U[U] | 19 U[U] | 19 U[U] |
| | ND40-WTRPMW-3-2015-B | 5/7/2015 | FD | 57 U[U] | 9.5 U[U] | 9.5 U[U] | 9.5 U[U] | 19 U[U] | 19 U[U] | NA | 9.5 U[U] | 9.5 U[U] | NA | 9.5 U[U] | 9.5 U[U] | 19 U[U] | NA | 19 U[U] | 19 U[U] | 19 U[U] |
| | NAAD40-PMW-3-00 | 5/9/2016 | FS | 29 U[U] | 0.49 U[U] | 2 U[U] | 0.98 U[U] | 2 U[U] | 2 U[U] | 4.9 U[U] | 0.98 U[U] | 2 U[U] | 2 U[U] | 2 U[U] | 0.98 U[U] | 0.98 U[U] | 3.9 U[U] | 0.49 U[U] | 4.3 U[U] | 0.98 U[U] |
| | NAAD40-PMW-3-00 | 5/4/2017 | FS | 32 U[U] | 0.53 U[U] | 2.1 U[U] | 1.1 U[U] | 2.1 U[U] | 2.1 U[U] | 5.3 U[U] | 1.1 U[U] | 2.1 U[U] | 2.1 U[U] | 2.1 U[U] | 1.1 U[U] | 1.1 U[U] | 4.2 U[U] | 0.53 U[U] | 4.6 U[U] | 1.1 U[U] |
| | NAAD40-PMW3-00 | 5/24/2018 | FS | 10.5 Q[UJ] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 10.5 U[U] | 10.5 U[U] | 2.63 U[U] | 13.2 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[UJ] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] |
| | NAAD40-PMW3-00 | 4/30/2019 | FS | 27.8 U[U] | 5.56 U[U] | 5.56 U[U] | 5.56 U[U] | 6.67 U[U] | 5.56 U[U] | 11.1 U[U] | 11.1 U[U] | 5.56 U[U] | 27.8 U[U] | 5.56 U[U] | 5.56 U[U] | 5.56 U[U] | 5.56 U[UJ] | 5.56 U[U] | 5.56 U[U] | 5.56 U[U] |
| | NAAD40-PMW3-01 | 4/30/2019 | FD | 27.8 UQ[UJ] | 5.56 UQ[U] | 5.56 UQ[U] | 5.56 UQ[U] | 6.66 UQ[U] | 5.56 UQ[U] | 11.1 UQ[U] | 11.1 UQ[U] | 5.56 UQ[U] | 27.8 UQ[U] | 5.56 UQ[U] | 5.56 UQ[U] | 5.56 UQ[U] | 5.56 UQ[UJ] | 5.56 UQ[U] | 5.56 UQ[U] | 5.56 UQ[U] |
| PMW-4 | ND40-WTRPMW-4-1Q08-A | 4/10/2008 | FS | 60 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 20 U[U] | 20 U[U] | NA | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | 20 U[U] | NA | 20 U[U] | 20 U[U] | 20 U[U] |
| | ND40-WTRPMW-4-1Q09-A | 4/8/2009 | FS | 60 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 20 U[U] | 20 U[U] | NA | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | 20 U[U] | NA | 20 U[U] | 20 U[U] | 20 U[U] |
| | ND40-WTRPMW-4-1Q10-A | 4/13/2010 | FS | 9.9 U[U] | 0.23 U[U] | 0.96 U[U] | 0.41 U[U] | 2 U[U] | 0.99 U[U] | NA | 0.43 U[U] | 0.54 U[U] | NA | 0.51 U[U] | 0.29 U[U] | 0.38 U[U] | NA | 0.21 U[U] | 1.2 U[U] | 0.35 U[U] |
| | ND40-WTRPMW-4-2015-A | 5/7/2015 | FS | 57 U[U] | 9.5 U[U] | 9.5 U[U] | 9.5 U[U] | 19 U[U] | 19 U[U] | NA | 9.5 U[U] | 9.5 U[U] | NA | 9.5 U[U] | 9.5 U[U] | 19 U[U] | NA | 19 U[U] | 19 U[U] | 19 U[U] |
| | NAAD40-PMW-4-00 | 5/9/2016 | FS | 29 U[UJ] | 0.48 U[UJ] | 1.9 U[UJ] | 0.96 U[UJ] | 1.9 U[UJ] | 1.9 U[UJ] | 4.8 U[U] | 0.96 U[UJ] | 1.9 UQ[UJ] | 1.9 U[UJ] | 1.9 U[UJ] | 0.96 U[UJ] | 0.96 U[UJ] | 3.8 U[UJ] | 0.48 U[UJ] | 4.2 U[UJ] | 0.96 U[UJ] |
| | NAAD40-PMW-4-00 | 5/4/2017 | FS | 30 U[U] | 0.51 U[U] | 2 U[U] | 1 U[U] | 2 U[U] | 2 U[U] | 5.1 U[U] | 1 U[U] | 2 U[U] | 2 U[U] | 2 U[U] | 1 U[U] | 1 U[U] | 4.1 U[U] | 0.51 U[U] | 4.5 U[U] | 1 U[U] |
| | NAAD40-PMW-4-01 | 5/4/2017 | FD | 30 U[U] | 0.51 U[U] | 2 U[U] | 1 U[U] | 2 U[U] | 2 U[U] | 5.1 U[U] | 1 U[U] | 2 U[U] | 2 U[U] | 2 U[U] | 1 U[U] | 1 U[U] | 4.1 U[U] | 0.51 U[U] | 4.5 U[U] | 1 U[U] |
| | NAAD40-PMW4-00 | 4/30/2019 | FS | 28.7 U[U] | 5.74 U[U] | 5.74 U[U] | 5.74 U[U] | 6.9 U[U] | 5.74 U[U] | 11.5 U[U] | 11.5 U[U] | 5.74 U[U] | 28.7 U[U] | 5.74 U[U] | 5.74 U[U] | 5.74 U[U] | 5.74 U[UJ] | 5.74 U[U] | 5.74 U[U] | 5.74 U[U] |

**Table H-2**
**Cumulative Analytical Data**
**NAAD-40**

| | | | Analysis Group | SVOCs | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Analyte | Benzoic acid | Benzyl alcohol | bis(2-Chloroethoxy)methane | Bis(2-chloroethyl) ether | Bis(2-ethylhexyl) phthalate | Butyl Benzyl Phthalate | Caprolactam | Carbazole | Chrysene | Diallate | Dibenz(a,h)anthracene | Dibenzofuran | Diethyl phthalate | Dimethoate | Dimethyl phthalate | Di-N-Butyl phthalate | Di-N-Octyl phthalate |
| | | | CAS No. | 65-85-0 | 100-51-6 | 111-91-1 | 111-44-4 | 117-81-7 | 85-68-7 | 105-60-2 | 86-74-8 | 218-01-9 | 2303-16-4 | 53-70-3 | 132-64-9 | 84-66-2 | 60-51-5 | 131-11-3 | 84-74-2 | 117-84-0 |
| | | | Units | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L |
| | | | PAL | 75000 | 2000 | 59 | 0.014 | 6 | 16 | 9900 | NE | 25 | 0.54 | 0.025 | 7.9 | 15000 | 44 | NE | 900 | 200 |
| Station | Sample ID | Date | Type | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| PMW-5 | ND40-WTRPMW-5-4Q05-A | 11/3/2005 | FS | **13 R[R]** | 5.1 U[U] | 5.1 U[U] | 5.1 U[U] | 0.44 U[U] | 5.1 U[U] | NA | 5.1 U[U] | 5.1 U[U] | NA | 5.1 U[U] | 5.1 U[U] | 5.1 U[U] | NA | 5.1 U[U] | 5.1 U[U] | 5.1 U[U] |
| | ND40-WTRPMW-5-1Q06-A | 1/31/2006 | FS | 14 UJ[UJ] | 5.4 U[U] | 5.4 U[U] | 5.4 U[U] | 5.4 UJ[UJ] | 5.4 U[U] | NA | 5.4 U[U] | 5.4 U[U] | NA | 5.4 U[U] | 5.4 U[U] | 5.4 U[U] | NA | 5.4 U[U] | 5.4 U[U] | 5.4 U[U] |
| | ND40-WTRPMW-5-2Q06-A | 4/19/2006 | FS | **13 R[R]** | 5.1 UJ[UJ] | 5.1 UJ[UJ] | 5.1 UJ[UJ] | 5.1 UJ[UJ] | 5.1 UJ[UJ] | NA | 5.1 UJ[UJ] | 5.1 UJ[UJ] | NA | 5.1 UJ[UJ] | 5.1 UJ[UJ] | 5.1 UJ[UJ] | NA | 5.1 UJ[UJ] | 5.1 UJ[UJ] | 5.1 UJ[UJ] |
| | ND40-WTRPMW-5-3Q06-A | 7/12/2006 | FS | 60 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 20 U[U] | 20 U[U] | NA | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | 20 U[U] | NA | 20 U[U] | 20 U[U] | 20 U[U] |
| | ND40-WTRPMW-5-1Q07-A | 3/7/2007 | FS | 60 UJ[UJ] | 10 UJ[UJ] | 10 UJ[UJ] | 10 UJ[UJ] | 20 UJ[UJ] | 20 UJ[UJ] | NA | 10 UJ[UJ] | 10 UJ[UJ] | NA | 10 UJ[UJ] | 10 UJ[UJ] | 20 UJ[UJ] | NA | 20 UJ[UJ] | 20 UJ[UJ] | 20 UJ[UJ] |
| | ND40-WTRPMW-5-1Q08-A | 4/9/2008 | FS | 60 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 20 U[U] | 20 U[U] | NA | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | 20 U[U] | NA | 20 U[U] | 20 U[U] | 20 U[U] |
| | ND40-WTRPMW-5-1Q09-A | 4/8/2009 | FS | 60 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | **0.72 J[J]** | 20 U[U] | NA | 10 U[U] | 10 U[U] | NA | 10 U[U] | 10 U[U] | 20 U[U] | NA | 20 U[U] | 20 U[U] | 20 U[U] |
| | ND40-WTRPMW-5-1Q10-A | 4/13/2010 | FS | 9.8 U[U] | 0.23 U[U] | 0.95 U[U] | 0.4 U[U] | 2.1 U[U] | 0.98 U[U] | NA | 0.42 U[U] | 0.53 U[U] | NA | 0.5 U[U] | 0.28 U[U] | 0.37 U[U] | NA | 0.21 U[U] | 1.1 U[U] | 0.34 U[U] |
| | ND40-WTRPMW-5-2012-A | 8/8/2012 | FS | 9.6 U[U] | NA | 0.93 U[U] | 0.39 U[U] | **0.82 [J]** | 0.96 U[U] | NA | 0.41 U[U] | 0.52 U[U] | NA | 0.49 U[U] | 0.28 U[U] | 0.37 U[U] | NA | 0.2 U[U] | 1.1 U[U] | 0.34 U[U] |
| | ND40-WTRPMW-5-2013-A | 5/22/2013 | FS | 9.5 U[U] | 0.28 [UJ] | 0.92 U[U] | 0.39 U[U] | 0.53 U[U] | 0.95 U[U] | NA | 0.41 U[U] | 0.51 U[U] | NA | 0.48 U[U] | 0.27 U[U] | 0.36 U[U] | NA | 0.2 U[U] | 1.1 U[U] | 0.33 U[U] |
| | ND40-WTRPMW-5-2014-A | 5/13/2014 | FS | 10 U[U] | 0.23 U[U] | 0.97 U[U] | 0.41 U[U] | 0.56 U[U] | 1 U[U] | NA | 0.43 U[U] | 0.54 U[U] | NA | 0.51 U[U] | 0.29 U[U] | 0.38 U[U] | NA | 0.21 U[U] | 1.2 U[U] | 0.35 U[U] |
| | ND40-WTRPMW-5-2015-A | 5/6/2015 | FS | 59 U[U] | 9.8 U[U] | 9.8 U[U] | 9.8 U[U] | 20 U[U] | 20 U[U] | NA | 9.8 U[U] | 9.8 U[U] | NA | 9.8 U[U] | 9.8 U[U] | 20 U[U] | NA | 20 U[U] | 20 U[U] | 20 U[U] |
| | NAAD40-PMW-5-00 | 5/9/2016 | FS | 29 U[U] | 0.48 U[U] | 1.9 U[U] | 0.96 U[U] | 1.9 U[U] | 1.9 U[U] | 4.8 U[U] | 0.96 U[U] | 1.9 U[U] | 1.9 U[U] | 1.9 U[U] | 0.96 U[U] | 0.96 U[U] | 3.8 U[U] | 0.48 U[U] | 4.2 U[U] | 0.96 U[U] |
| | NAAD40-PMW-5-00 | 5/4/2017 | FS | 31 U[U] | 0.52 U[U] | 2.1 U[U] | 1 U[U] | 2.1 U[U] | 2.1 U[U] | 5.2 UF1[R] | 1 U[U] | 2.1 U[U] | 2.1 U[U] | 2.1 U[U] | 1 U[U] | 1 U[U] | 4.1 U[U] | 0.52 U[U] | 4.5 U[U] | 1 U[U] |
| | NAAD40-PMW5-00 | 5/24/2018 | FS | 10.5 Q[UJ] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 10.5 U[U] | 10.5 U[U] | 2.63 U[U] | 13.2 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[UJ] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] |
| | NAAD40-PMW5-01 | 5/24/2018 | FD | 10.5 Q[UJ] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 10.5 U[U] | 10.5 U[U] | 2.63 U[U] | 13.2 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[UJ] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] |
| | NAAD40-PMW5-00 | 4/30/2019 | FS | 28.1 U[U] | 5.62 U[U] | 5.62 U[U] | 5.62 U[U] | 6.74 U[U] | 5.62 U[U] | 11.2 U[U] | 11.2 U[U] | 5.62 U[U] | 28.1 U[U] | 5.62 U[U] | 5.62 U[U] | 5.62 U[U] | 5.62 U[UJ] | 5.62 U[U] | 5.62 U[U] | 5.62 U[U] |

**Table H-2**
**Cumulative Analytical Data**
**NAAD-40**

| | | | Analysis Group | SVOCs | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Analyte | Dinoseb | Di-n-propyl Adipate | Diphenylamine | Disulfoton | Ethyl 4,4'-Dichlorobenzilate (Chlorobenzilate) | Ethyl Methanesulfonate | Ethyl Parathion | Famphur | Fluoranthene | Fluorene | Hexachlorobenzene | Hexachlorobutadiene | Hexachlorocyclopentadiene | Hexachloroethane | Hexachlorophene | Hexachloropropene | Indeno[1,2,3-cd]pyrene |
| | | | CAS No. | 88-85-7 | 106-19-4 | 122-39-4 | 298-04-4 | 510-15-6 | 62-50-0 | 56-38-2 | 52-85-7 | 206-44-0 | 86-73-7 | 118-74-1 | 87-68-3 | 77-47-4 | 67-72-1 | 70-30-4 | 1888-71-7 | 193-39-5 |
| | | | Units | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L |
| | | | PAL | 7 | NE | 1300 | 0.5 | 0.31 | NE | 86 | NE | 800 | 290 | 1 | 0.14 | 50 | 0.33 | 6 | NE | 0.25 |
| Station | Sample ID | Date | Type | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| FSL5 | FSL5 | 10/17/2007 | FS | NA | NA | NA | NA | NA | NA | NA | NA | 20 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 50 U[U] | 10 U[U] | NA | NA | 10 U[U] |
| PMW-1 | ND40-WTRPMW-1-4Q05-A | 11/3/2005 | FS | NA | 5.1 U[U] | NA | NA | NA | NA | NA | NA | 5.1 U[U] | 5.1 U[U] | 5.1 U[U] | 5.1 U[U] | 5.1 UJ[UJ] | 5.1 U[U] | NA | NA | 5.1 U[U] |
| | ND40-WTRPMW-1-4Q05-B | 11/3/2005 | FD | NA | 5 U[U] | NA | NA | NA | NA | NA | NA | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 UJ[UJ] | 5 U[U] | NA | NA | 5 U[U] |
| | ND40-WTRPMW-1-1Q06-A | 1/31/2006 | FS | NA | 5.6 U[U] | NA | NA | NA | NA | NA | NA | 5.6 U[U] | 5.6 U[U] | 5.6 U[U] | 5.6 U[U] | 5.6 UJ[UJ] | 5.6 U[U] | NA | NA | 5.6 U[U] |
| | ND40-WTRPMW-1-1Q06-B | 1/31/2006 | FD | NA | 5.2 U[U] | NA | NA | NA | NA | NA | NA | 5.2 U[U] | 5.2 U[U] | 5.2 U[U] | 5.2 U[U] | 5.2 UJ[UJ] | 5.2 U[U] | NA | NA | 5.2 U[U] |
| | ND40-WTRPMW-1-2Q06-A | 4/19/2006 | FS | NA | 5 UJ[UJ] | NA | NA | NA | NA | NA | NA | 5 UJ[UJ] | 5 UJ[UJ] | 5 UJ[UJ] | 5 UJ[UJ] | 5 UJ[UJ] | 5 UJ[UJ] | NA | NA | 5 UJ[UJ] |
| | ND40-WTRPMW-1-2Q06-B | 4/19/2006 | FD | NA | 5 UJ[UJ] | NA | NA | NA | NA | NA | NA | 5 UJ[UJ] | 5 UJ[UJ] | 5 UJ[UJ] | 5 UJ[UJ] | 5 UJ[UJ] | 5 UJ[UJ] | NA | NA | 5 UJ[UJ] |
| | ND40-WTRPMW-1-3Q06-A | 7/12/2006 | FS | NA | NA | NA | NA | NA | NA | NA | NA | 20 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 50 U[U] | 10 U[U] | NA | NA | 10 U[U] |
| | ND40-WTRPMW-1-1Q07-A | 3/7/2007 | FS | NA | NA | NA | NA | NA | NA | NA | NA | 20 UJ[UJ] | 10 UJ[UJ] | 10 UJ[UJ] | 10 UJ[UJ] | 50 UJ[UJ] | 10 UJ[UJ] | NA | NA | 10 UJ[UJ] |
| | ND40-WTRPMW-1-1Q07-B | 3/7/2007 | FD | NA | NA | NA | NA | NA | NA | NA | NA | 20 UJ[UJ] | 10 UJ[UJ] | 10 UJ[UJ] | 10 UJ[UJ] | 50 UJ[UJ] | 10 UJ[UJ] | NA | NA | 10 UJ[UJ] |
| | ND40-WTRPMW-1-4Q07-A | 10/16/2007 | FS | NA | NA | NA | NA | NA | NA | NA | NA | 20 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 50 U[U] | 10 U[U] | NA | NA | 10 U[U] |
| | ND40-WTRPMW-1-1Q08-A | 4/9/2008 | FS | NA | NA | NA | NA | NA | NA | NA | NA | 20 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 50 U[U] | 10 U[U] | NA | NA | 10 U[U] |
| | ND40-WTRPMW-1-1Q09-A | 4/8/2009 | FS | NA | NA | NA | NA | NA | NA | NA | NA | 20 U[U] | **0.4 J[J]** | 10 U[U] | 10 U[U] | 50 U[U] | 10 U[U] | NA | NA | 10 U[U] |
| | ND40-WTRPMW-1-1Q10-A | 4/13/2010 | FS | NA | NA | NA | NA | NA | NA | NA | NA | 0.2 U[U] | 0.31 U[U] | 0.65 U[U] | 3.2 U[U] | 1.5 U[U] | 2.1 U[U] | NA | NA | 0.64 U[U] |
| | ND40-WTRPMW-1-2012-A | 8/9/2012 | FS | NA | NA | NA | NA | NA | NA | NA | NA | 0.2 U[U] | 0.31 U[U] | 0.65 U[U] | 3.3 U[U] | 9.9 U[U] | 2.1 U[U] | NA | NA | 0.64 U[U] |
| | ND40-WTRPMW-1-2013-A | 5/22/2013 | FS | NA | NA | NA | NA | NA | NA | NA | NA | 0.19 U[U] | 0.3 U[U] | 0.64 U[U] | 3.2 U[U] | 9.7 U[U] | 2 U[U] | NA | NA | 0.63 U[U] |
| | ND40-WTRPMW-1-2014-A | 5/13/2014 | FS | NA | NA | NA | NA | NA | NA | NA | NA | 0.2 U[U] | 0.3 U[U] | 0.65 U[U] | 3.2 U[U] | 9.8 U[U] | 2.1 U[U] | NA | NA | 0.64 U[U] |
| | ND40-WTRPMW-1-2015-A | 5/6/2015 | FS | NA | NA | NA | NA | NA | NA | NA | NA | 19 U[U] | 9.5 U[U] | 9.5 U[U] | 9.5 U[U] | 47 U[U] | 9.5 U[U] | NA | NA | 9.5 U[U] |
| | NAAD40-PMW-1-00 | 5/9/2016 | FS | 20 U[U] | NA | 4.1 U[U] | 4.1 U[U] | 2 U[U] | 2 U[U] | 4.1 U[U] | 4.5 U[U] | 0.51 U[U] | 1 U[U] | 2 U[U] | 10 U[U] | 31 U[U] | 4.5 U[U] | 1000 U[U] | 4.1 U[U] | 2 U[U] |
| | NAAD40-PMW-1-00 | 5/4/2017 | FS | 20 U[U] | NA | 4 U[U] | 4 U[U] | 2 UQ[UJ] | 2 U[U] | 4 U[U] | 4.4 UQ[UJ] | 0.5 UQ[UJ] | 0.99 UQ[UJ] | 2 U[U] | 9.9 U[U] | 30 UQ[UJ] | 4.4 U[U] | 990 U[UJ] | 4 U[U] | 2 UQ[UJ] |
| | NAAD40-PMW1-00 | 5/24/2018 | FS | NA | NA | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 5.26 U[UJ] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 5.26 U[UJ] | 2.63 U[U] | 26.3 U[UJ] | 2.63 U[U] | 2.63 U[U] |
| | NAAD40-PMW1-00 | 5/1/2019 | FS | NA | NA | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 10 U[UJ] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 50 U[UJ] | 5 U[U] | 5 U[U] |
| PMW-2 | ND40-WTRPMW-2-4Q05-A | 11/4/2005 | FS | NA | 5.1 U[U] | NA | NA | NA | NA | NA | NA | 5.1 U[U] | 5.1 U[U] | 5.1 U[U] | 5.1 U[U] | 5.1 UJ[UJ] | 5.1 U[U] | NA | NA | 5.1 U[U] |
| | ND40-WTRPMW-2-1Q06-A | 1/31/2006 | FS | NA | 5.2 U[U] | NA | NA | NA | NA | NA | NA | 5.2 U[U] | 5.2 U[U] | 5.2 U[U] | 5.2 U[U] | 5.2 UJ[UJ] | 5.2 U[U] | NA | NA | 5.2 U[U] |
| | ND40-WTRPMW-2-2-Q06-A | 4/19/2006 | FS | NA | 5.9 UJ[UJ] | NA | NA | NA | NA | NA | NA | 5.9 UJ[UJ] | 5.9 UJ[UJ] | 5.9 UJ[UJ] | 5.9 UJ[UJ] | 5.9 UJ[UJ] | 5.9 UJ[UJ] | NA | NA | 5.9 UJ[UJ] |
| | ND40-WTRPMW-2-3Q06-A | 7/12/2006 | FS | NA | NA | NA | NA | NA | NA | NA | NA | 20 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 50 U[U] | 10 U[U] | NA | NA | 10 U[U] |
| | ND40-WTRPMW-2-1Q07-A | 3/7/2007 | FS | NA | NA | NA | NA | NA | NA | NA | NA | 20 UJ[UJ] | 10 UJ[UJ] | 10 UJ[UJ] | 10 UJ[UJ] | 50 UJ[UJ] | 10 UJ[UJ] | NA | NA | 10 UJ[UJ] |
| | ND40-WTRPMW-2-4Q07-A | 10/16/2007 | FS | NA | NA | NA | NA | NA | NA | NA | NA | 20 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 50 U[U] | 10 U[U] | NA | NA | 10 U[U] |
| | ND40-WTRPMW-2-1Q08-A | 4/9/2008 | FS | NA | NA | NA | NA | NA | NA | NA | NA | 20 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 50 U[U] | 10 U[U] | NA | NA | 10 U[U] |
| | ND40-WTRPMW-2-1Q09-A | 4/8/2009 | FS | NA | NA | NA | NA | NA | NA | NA | NA | 20 U[U] | **0.35 J[J]** | 10 U[U] | 10 U[U] | 50 U[U] | 10 U[U] | NA | NA | 10 U[U] |
| | ND40-WTRPMW-2-1Q10-A | 4/13/2010 | FS | NA | NA | NA | NA | NA | NA | NA | NA | 0.19 U[U] | 0.29 U[U] | 0.63 U[U] | 3.1 U[U] | 1.5 U[U] | 2 U[U] | NA | NA | 0.62 U[U] |
| | ND40-WTRPMW-2-2012-A | 8/8/2012 | FS | NA | NA | NA | NA | NA | NA | NA | NA | 0.19 U[U] | 0.3 U[U] | 0.64 U[U] | 3.2 U[U] | 9.7 U[U] | 2 U[U] | NA | NA | 0.63 U[U] |
| | ND40-WTRPMW-2-2013-A | 5/22/2013 | FS | NA | NA | NA | NA | NA | NA | NA | NA | 0.19 U[U] | 0.3 U[U] | 0.63 U[U] | 3.1 U[U] | 9.5 U[U] | 2 U[U] | NA | NA | 0.62 U[U] |
| | ND40-WTRPMW-2-2014-A | 5/13/2014 | FS | NA | NA | NA | NA | NA | NA | NA | NA | 0.2 U[U] | 0.31 U[U] | 0.66 U[U] | 3.3 U[U] | 10 U[U] | 2.1 U[U] | NA | NA | 0.65 U[U] |
| | ND40-WTRPMW-2-2014-B | 5/13/2014 | FD | NA | NA | NA | NA | NA | NA | NA | NA | 0.2 U[U] | 0.31 U[U] | 0.66 U[U] | 3.3 U[U] | 10 U[U] | 2.1 U[U] | NA | NA | 0.65 U[U] |
| | ND40-WTRPMW-2-2015-A | 5/7/2015 | FS | NA | NA | NA | NA | NA | NA | NA | NA | 19 U[U] | 9.5 U[U] | 9.5 U[U] | 9.5 U[U] | 47 U[U] | 9.5 U[U] | NA | NA | 9.5 U[U] |
| | NAAD40-PMW-2-00 | 5/9/2016 | FS | 20 U[U] | NA | 4 U[U] | 4 U[U] | 2 U[U] | 2 U[U] | 4 U[U] | 4.4 U[U] | 0.5 U[U] | 1 U[U] | 2 U[U] | 10 U[U] | 30 U[U] | 4.4 U[U] | 1000 U[U] | 4 U[U] | 2 U[U] |
| | NAAD40-PMW-2-01 | 5/9/2016 | FD | 20 U[U] | NA | 4 U[U] | 4 U[U] | 2 U[U] | 2 U[U] | 4 U[U] | 4.4 U[U] | 0.5 U[U] | 1 U[U] | 2 U[U] | 10 U[U] | 30 U[U] | 4.4 U[U] | 1000 U[U] | 4 U[U] | 2 U[U] |
| | NAAD40-PMW-2-00 | 5/3/2017 | FS | 20 U[U] | NA | 4.1 U[U] | 4.1 U[U] | 2 UQ[UJ] | 2 U[U] | 4.1 U[U] | 4.5 UQ[UJ] | 0.51 UQ[UJ] | 1 UQ[UJ] | 2 U[U] | 10 U[U] | 31 UQ[UJ] | 4.5 U[U] | 1000 U[UJ] | 4.1 U[U] | 2 UQ[UJ] |
| | NAAD40-PMW2-00 | 5/23/2018 | FS | NA | NA | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 5.26 U[UJ] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 5.26 U[UJ] | 2.63 U[U] | 26.3 U[UJ] | 2.63 U[U] | 2.63 U[U] |
| | NAAD40-PMW2-00 | 4/30/2019 | FS | NA | NA | 5.56 U[U] | 5.56 U[U] | 5.56 U[U] | 5.56 U[U] | 5.56 U[U] | 11.1 U[UJ] | 5.56 U[U] | 5.56 U[U] | 5.56 U[U] | 5.56 U[U] | 5.56 U[UJ] | 5.56 U[U] | 55.6 U[R] | 5.56 U[U] | 5.56 U[U] |

**Table H-2**
**Cumulative Analytical Data**
**NAAD-40**

| | | | Analysis Group | SVOCs | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Analyte | Dinoseb | Di-n-propyl Adipate | Diphenylamine | Disulfoton | Ethyl 4,4'-Dichlorobenzilate (Chlorobenzilate) | Ethyl Methanesulfonate | Ethyl Parathion | Famphur | Fluoranthene | Fluorene | Hexachlorobenzene | Hexachlorobutadiene | Hexachlorocyclopentadiene | Hexachloroethane | Hexachlorophene | Hexachloropropene | Indeno[1,2,3-cd]pyrene |
| | | | CAS No. | 88-85-7 | 106-19-4 | 122-39-4 | 298-04-4 | 510-15-6 | 62-50-0 | 56-38-2 | 52-85-7 | 206-44-0 | 86-73-7 | 118-74-1 | 87-68-3 | 77-47-4 | 67-72-1 | 70-30-4 | 1888-71-7 | 193-39-5 |
| | | | Units | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L |
| | | | PAL | 7 | NE | 1300 | 0.5 | 0.31 | NE | 86 | NE | 800 | 290 | 1 | 0.14 | 50 | 0.33 | 6 | NE | 0.25 |
| Station | Sample ID | Date | Type | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| PMW-3 | ND40-WTRPMW-3-4Q05-A | 11/4/2005 | FS | NA | 5.1 U[U] | NA | NA | NA | NA | NA | NA | 5.1 U[U] | 5.1 U[U] | 5.1 U[U] | 5.1 U[U] | 5.1 UJ[UJ] | 5.1 U[U] | NA | NA | 5.1 U[U] |
| | ND40-WTRPMW-3-1Q06-A | 1/31/2006 | FS | NA | 5.5 U[U] | NA | NA | NA | NA | NA | NA | 5.5 U[U] | 5.5 U[U] | 5.5 U[U] | 5.5 U[U] | 5.5 UJ[UJ] | 5.5 U[U] | NA | NA | 5.5 U[U] |
| | ND40-WTRPMW-3-2Q06-A | 4/19/2006 | FS | NA | 5.3 UJ[UJ] | NA | NA | NA | NA | NA | NA | 5.3 UJ[UJ] | 5.3 UJ[UJ] | 5.3 UJ[UJ] | 5.3 UJ[UJ] | 5.3 UJ[UJ] | 5.3 UJ[UJ] | NA | NA | 5.3 UJ[UJ] |
| | ND40-WTRPMW-3-3Q06-A | 7/12/2006 | FS | NA | NA | NA | NA | NA | NA | NA | NA | 20 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 50 U[U] | 10 U[U] | NA | NA | 10 U[U] |
| | ND40-WTRPMW-3-3Q06-B | 7/12/2006 | FD | NA | NA | NA | NA | NA | NA | NA | NA | 20 U-U | 10 U-U | 10 U-U | 10 U-U | 50 U-U | 10 U-U | NA | NA | 10 U-U |
| | ND40-WTRPMW-3-1Q07-A | 3/7/2007 | FS | NA | NA | NA | NA | NA | NA | NA | NA | 20 UJ[UJ] | 10 UJ[UJ] | 10 UJ[UJ] | 10 UJ[UJ] | 50 UJ[UJ] | 10 UJ[UJ] | NA | NA | 10 UJ[UJ] |
| | ND40-WTRPMW-3-4Q07-A | 10/16/2007 | FS | NA | NA | NA | NA | NA | NA | NA | NA | 20 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 50 U[U] | 10 U[U] | NA | NA | 10 U[U] |
| | ND40-WTRPMW-3-4Q07-B | 10/16/2007 | FD | NA | NA | NA | NA | NA | NA | NA | NA | 20 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 50 U[U] | 10 U[U] | NA | NA | 10 U[U] |
| | ND40-WTRPMW-3-1Q08-A | 4/9/2008 | FS | NA | NA | NA | NA | NA | NA | NA | NA | 20 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 50 U[U] | 10 U[U] | NA | NA | 10 U[U] |
| | ND40-WTRPMW-3-1Q08-B | 4/9/2008 | FD | NA | NA | NA | NA | NA | NA | NA | NA | 20 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 50 U[U] | 10 U[U] | NA | NA | 10 U[U] |
| | ND40-WTRPMW-3-1Q09-A | 4/8/2009 | FS | NA | NA | NA | NA | NA | NA | NA | NA | 20 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 50 U[U] | 10 U[U] | NA | NA | 10 U[U] |
| | ND40-WTRPMW-3-1Q09-B | 4/8/2009 | FD | NA | NA | NA | NA | NA | NA | NA | NA | 20 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 50 U[U] | 10 U[U] | NA | NA | 10 U[U] |
| | ND40-WTRPMW-3-1Q10-A | 4/13/2010 | FS | NA | NA | NA | NA | NA | NA | NA | NA | 0.19 U[U] | 0.3 U[U] | 0.63 U[U] | 3.2 U[U] | 1.5 U[U] | 2 U[U] | NA | NA | 0.62 U[U] |
| | ND40-WTRPMW-3-1Q10-B | 4/13/2010 | FD | NA | NA | NA | NA | NA | NA | NA | NA | 0.19 U[U] | 0.29 U[U] | 0.63 U[U] | 3.1 U[U] | 1.5 U[U] | 2 U[U] | NA | NA | 0.62 U[U] |
| | ND40-WTRPMW-3-2012-A | 8/8/2012 | FS | NA | NA | NA | NA | NA | NA | NA | NA | 0.19 U[U] | 0.3 U[U] | 0.63 U[U] | 3.1 U[U] | 9.5 U[U] | 2 U[U] | NA | NA | 0.62 U[U] |
| | ND40-WTRPMW-3-2012-B | 8/8/2012 | FD | NA | NA | NA | NA | NA | NA | NA | NA | 0.19 U[U] | 0.29 U[U] | 0.62 U[U] | 3.1 U[U] | 9.5 U[U] | 2 U[U] | NA | NA | 0.62 U[U] |
| | ND40-WTRPMW-3-2013-A | 5/22/2013 | FS | NA | NA | NA | NA | NA | NA | NA | NA | 0.19 U[U] | 0.29 U[U] | 0.62 U[U] | 3.1 U[U] | 9.4 U[U] | 2 U[U] | NA | NA | 0.61 U[U] |
| | ND40-WTRPMW-3-2013-B | 5/22/2013 | FD | NA | NA | NA | NA | NA | NA | NA | NA | 0.19 U[U] | 0.29 U[U] | 0.63 U[U] | 3.1 U[U] | 9.5 U[U] | 2 U[U] | NA | NA | 0.62 U[U] |
| | ND40-WTRPMW-3-2014-A | 5/13/2014 | FS | NA | NA | NA | NA | NA | NA | NA | NA | 0.2 U[U] | 0.31 U[U] | 0.66 U[U] | 3.3 U[U] | 10 U[U] | 2.1 U[U] | NA | NA | 0.65 U[U] |
| | ND40-WTRPMW-3-2015-A | 5/7/2015 | FS | NA | NA | NA | NA | NA | NA | NA | NA | 19 U[U] | 9.6 U[U] | 9.6 U[U] | 9.6 U[U] | 48 U[U] | 9.6 U[U] | NA | NA | 9.6 U[U] |
| | ND40-WTRPMW-3-2015-B | 5/7/2015 | FD | NA | NA | NA | NA | NA | NA | NA | NA | 19 U[U] | 9.5 U[U] | 9.5 U[U] | 9.5 U[U] | 48 U[U] | 9.5 U[U] | NA | NA | 9.5 U[U] |
| | NAAD40-PMW-3-00 | 5/9/2016 | FS | 20 U[U] | NA | 3.9 U[U] | 3.9 U[U] | 2 U[U] | 2 U[U] | 3.9 U[U] | 4.3 U[U] | 0.49 U[U] | 0.98 U[U] | 2 U[U] | 9.8 U[U] | 29 U[U] | 4.3 U[U] | 980 U[U] | 3.9 U[U] | 2 U[U] |
| | NAAD40-PMW-3-00 | 5/4/2017 | FS | 21 U[U] | NA | 4.2 U[U] | 4.2 U[U] | 2.1 U[U] | 2.1 U[U] | 4.2 U[U] | 4.6 U[U] | 0.53 U[U] | 1.1 U[U] | 2.1 U[U] | 11 U[U] | 32 U[U] | 4.6 U[U] | 1100 U[UJ] | 4.2 U[U] | 2.1 U[U] |
| | NAAD40-PMW3-00 | 5/24/2018 | FS | NA | NA | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 5.26 U[UJ] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 5.26 U[UJ] | 2.63 U[U] | 26.3 U[UJ] | 2.63 U[U] | 2.63 U[U] |
| | NAAD40-PMW3-00 | 4/30/2019 | FS | NA | NA | 5.56 U[U] | 5.56 U[U] | 5.56 U[U] | 5.56 U[U] | 5.56 U[U] | 11.1 U[UJ] | 5.56 U[U] | 5.56 U[U] | 5.56 U[U] | 5.56 U[U] | 5.56 U[UJ] | 5.56 U[U] | 55.6 U[R] | 5.56 U[U] | 5.56 U[U] |
| | NAAD40-PMW3-01 | 4/30/2019 | FD | NA | NA | 5.56 UQ[U] | 5.56 UQ[U] | 5.56 UQ[U] | 5.56 UQ[U] | 5.56 UQ[U] | 11.1 UQ[UJ] | 5.56 UQ[U] | 5.56 UQ[U] | 5.56 UQ[U] | 5.56 UQ[U] | 5.56 UQ[UJ] | 5.56 UQ[U] | 55.6 UQ[R] | 5.56 UQ[U] | 5.56 UQ[U] |
| PMW-4 | ND40-WTRPMW-4-1Q08-A | 4/10/2008 | FS | NA | NA | NA | NA | NA | NA | NA | NA | 20 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 50 U[U] | 10 U[U] | NA | NA | 10 U[U] |
| | ND40-WTRPMW-4-1Q09-A | 4/8/2009 | FS | NA | NA | NA | NA | NA | NA | NA | NA | 20 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 50 U[U] | 10 U[U] | NA | NA | 10 U[U] |
| | ND40-WTRPMW-4-1Q10-A | 4/13/2010 | FS | NA | NA | NA | NA | NA | NA | NA | NA | 0.2 U[U] | 0.31 U[U] | 0.66 U[U] | 3.3 U[U] | 1.5 U[U] | 2.1 U[U] | NA | NA | 0.65 U[U] |
| | ND40-WTRPMW-4-2015-A | 5/7/2015 | FS | NA | NA | NA | NA | NA | NA | NA | NA | 19 U[U] | 9.5 U[U] | 9.5 U[U] | 9.5 U[U] | 47 U[U] | 9.5 U[U] | NA | NA | 9.5 U[U] |
| | NAAD40-PMW-4-00 | 5/9/2016 | FS | 19 U[U] | NA | 3.8 U[UJ] | 3.8 U[UJ] | 1.9 UQ[UJ] | 1.9 U[UJ] | 3.8 U[UJ] | 4.2 UQ[UJ] | 0.48 UQ[UJ] | 0.96 UQ[UJ] | 1.9 U[UJ] | 9.6 U[UJ] | 29 U[UJ] | 4.2 U[UJ] | 960 U[U] | 3.8 U[UJ] | 1.9 UQ[UJ] |
| | NAAD40-PMW-4-00 | 5/4/2017 | FS | 20 U[U] | NA | 4.1 U[U] | 4.1 U[U] | 2 U[U] | 2 U[U] | 4.1 U[U] | 4.5 U[U] | 0.51 U[U] | 1 U[U] | 2 U[U] | 10 U[U] | 30 UQ[U] | 4.5 U[U] | 1000 U[UJ] | 4.1 U[U] | 2 U[U] |
| | NAAD40-PMW-4-01 | 5/4/2017 | FD | 20 U[U] | NA | 4.1 U[U] | 4.1 U[U] | 2 U[U] | 2 U[U] | 4.1 U[U] | 4.5 U[U] | 0.51 U[U] | 1 U[U] | 2 U[U] | 10 U[U] | 30 UQ[U] | 4.5 U[U] | 1000 U[UJ] | 4.1 U[U] | 2 U[U] |
| | NAAD40-PMW4-00 | 4/30/2019 | FS | NA | NA | 5.74 U[U] | 5.74 U[U] | 5.74 U[U] | 5.74 U[U] | 5.74 U[U] | 11.5 U[UJ] | 5.74 U[U] | 5.74 U[U] | 5.74 U[U] | 5.74 U[U] | 5.74 U[UJ] | 5.74 U[U] | 57.5 U[R] | 5.74 U[U] | 5.74 U[U] |

**Table H-2**
**Cumulative Analytical Data**
**NAAD-40**

| | | | Analysis Group | SVOCs | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Analyte | Dinoseb | Di-n-propyl Adipate | Diphenylamine | Disulfoton | Ethyl 4,4'-Dichlorobenzilate (Chlorobenzilate) | Ethyl Methanesulfonate | Ethyl Parathion | Famphur | Fluoranthene | Fluorene | Hexachlorobenzene | Hexachlorobutadiene | Hexachlorocyclopentadiene | Hexachloroethane | Hexachlorophene | Hexachloropropene | Indeno[1,2,3-cd]pyrene |
| | | | CAS No. | 88-85-7 | 106-19-4 | 122-39-4 | 298-04-4 | 510-15-6 | 62-50-0 | 56-38-2 | 52-85-7 | 206-44-0 | 86-73-7 | 118-74-1 | 87-68-3 | 77-47-4 | 67-72-1 | 70-30-4 | 1888-71-7 | 193-39-5 |
| | | | Units | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L |
| | | | PAL | 7 | NE | 1300 | 0.5 | 0.31 | NE | 86 | NE | 800 | 290 | 1 | 0.14 | 50 | 0.33 | 6 | NE | 0.25 |
| Station | Sample ID | Date | Type | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| PMW-5 | ND40-WTRPMW-5-4Q05-A | 11/3/2005 | FS | NA | 5.1 U[U] | NA | NA | NA | NA | NA | NA | 5.1 U[U] | 5.1 U[U] | 5.1 U[U] | 5.1 U[U] | 5.1 UJ[UJ] | 5.1 U[U] | NA | NA | 5.1 U[U] |
| | ND40-WTRPMW-5-1Q06-A | 1/31/2006 | FS | NA | 5.4 U[U] | NA | NA | NA | NA | NA | NA | 5.4 U[U] | 5.4 U[U] | 5.4 U[U] | 5.4 U[U] | 5.4 UJ[UJ] | 5.4 U[U] | NA | NA | 5.4 U[U] |
| | ND40-WTRPMW-5-2Q06-A | 4/19/2006 | FS | NA | 5.1 UJ[UJ] | NA | NA | NA | NA | NA | NA | 5.1 UJ[UJ] | 5.1 UJ[UJ] | 5.1 UJ[UJ] | 5.1 UJ[UJ] | 5.1 UJ[UJ] | 5.1 UJ[UJ] | NA | NA | 5.1 UJ[UJ] |
| | ND40-WTRPMW-5-3Q06-A | 7/12/2006 | FS | NA | NA | NA | NA | NA | NA | NA | NA | 20 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 50 U[U] | 10 U[U] | NA | NA | 10 U[U] |
| | ND40-WTRPMW-5-1Q07-A | 3/7/2007 | FS | NA | NA | NA | NA | NA | NA | NA | NA | 20 UJ[UJ] | 10 UJ[UJ] | 10 UJ[UJ] | 10 UJ[UJ] | 50 UJ[UJ] | 10 UJ[UJ] | NA | NA | 10 UJ[UJ] |
| | ND40-WTRPMW-5-1Q08-A | 4/9/2008 | FS | NA | NA | NA | NA | NA | NA | NA | NA | 20 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 50 U[U] | 10 U[U] | NA | NA | 10 U[U] |
| | ND40-WTRPMW-5-1Q09-A | 4/8/2009 | FS | NA | NA | NA | NA | NA | NA | NA | NA | 20 U[U] | 10 U[U] | 10 U[U] | 10 U[U] | 50 U[U] | 10 U[U] | NA | NA | 10 U[U] |
| | ND40-WTRPMW-5-1Q10-A | 4/13/2010 | FS | NA | NA | NA | NA | NA | NA | NA | NA | 0.2 U[U] | 0.3 U[U] | 0.65 U[U] | 3.2 U[U] | 1.5 U[U] | 2.1 U[U] | NA | NA | 0.64 U[U] |
| | ND40-WTRPMW-5-2012-A | 8/8/2012 | FS | NA | NA | NA | NA | NA | NA | NA | NA | 0.19 U[U] | 0.3 U[U] | 0.63 U[U] | 3.2 U[U] | 9.6 U[U] | 2 U[U] | NA | NA | 0.63 U[U] |
| | ND40-WTRPMW-5-2013-A | 5/22/2013 | FS | NA | NA | NA | NA | NA | NA | NA | NA | 0.19 U[U] | 0.29 U[U] | 0.63 U[U] | 3.1 U[U] | 9.5 U[U] | 2 U[U] | NA | NA | 0.62 U[U] |
| | ND40-WTRPMW-5-2014-A | 5/13/2014 | FS | NA | NA | NA | NA | NA | NA | NA | NA | 0.2 U[U] | 0.31 U[U] | 0.66 U[U] | 3.3 U[U] | 10 U[U] | 2.1 U[U] | NA | NA | 0.65 U[U] |
| | ND40-WTRPMW-5-2015-A | 5/6/2015 | FS | NA | NA | NA | NA | NA | NA | NA | NA | 20 U[U] | 9.8 U[U] | 9.8 U[U] | 9.8 U[U] | 49 U[U] | 9.8 U[U] | NA | NA | 9.8 U[U] |
| | NAAD40-PMW-5-00 | 5/9/2016 | FS | 19 U[U] | NA | 3.8 U[U] | 3.8 U[U] | 1.9 U[U] | 1.9 U[U] | 3.8 U[U] | 4.2 U[U] | 0.48 U[U] | 0.96 U[U] | 1.9 U[U] | 9.6 U[U] | 29 U[U] | 4.2 U[U] | 960 U[U] | 3.8 UJ[UJ] | 1.9 U[U] |
| | NAAD40-PMW-5-00 | 5/4/2017 | FS | 21 U[U] | NA | 4.1 UJ[U J] | 4.1 U[U] | 2.1 U[U] | 2.1 U[U] | 4.1 U[U] | 4.5 U[U] | 0.52 U[U] | 1 U[U] | 2.1 U[U] | 10 U[U] | 31 UQJ[R] | 4.5 U[U] | 1000 U[UJ] | 4.1 U[U] | 2.1 U[U] |
| | NAAD40-PMW5-00 | 5/24/2018 | FS | NA | NA | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 5.26 U[UJ] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 5.26 U[UJ] | 2.63 U[U] | 26.3 U[UJ] | 2.63 U[U] | 2.63 U[U] |
| | NAAD40-PMW5-01 | 5/24/2018 | FD | NA | NA | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 5.26 U[UJ] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 5.26 U[UJ] | 2.63 U[U] | 26.3 U[UJ] | 2.63 U[U] | 2.63 U[U] |
| | NAAD40-PMW5-00 | 4/30/2019 | FS | NA | NA | 5.62 U[U] | 5.62 U[U] | 5.62 U[U] | 5.62 U[U] | 5.62 U[U] | 11.2 U[UJ] | 5.62 U[U] | 5.62 U[U] | 5.62 U[U] | 5.62 U[U] | 5.62 U[UJ] | 5.62 U[U] | 56.2 U[R] | 5.62 U[U] | 5.62 U[U] |

**Table H-2**
**Cumulative Analytical Data**
**NAAD-40**

| | | | Analysis Group | SVOCs | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Analyte | Isodrin | Isophorone | Isosafrole | Kepone | Methapyrilene | Methyl Methanesulfonate | Methyl parathion | Naphthalene | Nitrobenzene | N-Nitrosodiethylamine | N-Nitrosodimethylamine | N-Nitrosodi-N-Butylamine | N-Nitrosodi-n-propylamine | n-Nitrosodiphenylamine (as diphenylamine) | N-Nitrosomethylethylamine | N-Nitrosomorpholine | N-Nitrosopiperidine |
| | | | CAS No. | 465-73-6 | 78-59-1 | 120-58-1 | 143-50-0 | 91-80-5 | 66-27-3 | 298-00-0 | 91-20-3 | 98-95-3 | 55-18-5 | 62-75-9 | 924-16-3 | 621-64-7 | 86-30-6 | 10595-95-6 | 59-89-2 | 100-75-4 |
| | | | Units | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L |
| | | | PAL | NE | 78 | NE | 0.0035 | NE | 0.79 | 4.5 | 0.17 | 0.14 | 0.00017 | 0.00011 | 0.0027 | 0.011 | 12 | 0.00071 | 0.012 | 0.0082 |
| Station | Sample ID | Date | Type | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| FSL5 | FSL5 | 10/17/2007 | FS | NA | 10 U[U] | NA | NA | NA | NA | NA | 10 U[U] | 20 U[U] | NA | 10 U[U] | NA | 20 U[U] | 10 U[U] | NA | NA | NA |
| PMW-1 | ND40-WTRPMW-1-4Q05-A | 11/3/2005 | FS | NA | 5.1 U[U] | NA | NA | NA | NA | NA | 5.1 U[U] | 5.1 U[U] | NA | 5.1 UJ[UJ] | NA | 5.1 U[U] | 5.1 U[U] | NA | NA | NA |
| | ND40-WTRPMW-1-4Q05-B | 11/3/2005 | FD | NA | 5 U[U] | NA | NA | NA | NA | NA | 5 U[U] | 5 U[U] | NA | 5 UJ[UJ] | NA | 5 U[U] | 5 U[U] | NA | NA | NA |
| | ND40-WTRPMW-1-1Q06-A | 1/31/2006 | FS | NA | 5.6 U[U] | NA | NA | NA | NA | NA | 5.6 U[U] | 5.6 U[U] | NA | 5.6 UJ[UJ] | NA | 5.6 U[U] | 5.6 U[U] | NA | NA | NA |
| | ND40-WTRPMW-1-1Q06-B | 1/31/2006 | FD | NA | 5.2 U[U] | NA | NA | NA | NA | NA | 5.2 U[U] | 5.2 U[U] | NA | 5.2 UJ[UJ] | NA | 5.2 U[U] | 5.2 U[U] | NA | NA | NA |
| | ND40-WTRPMW-1-2Q06-A | 4/19/2006 | FS | NA | 5 UJ[UJ] | NA | NA | NA | NA | NA | 5 UJ[UJ] | 5 UJ[UJ] | NA | 5 UJ[UJ] | NA | 5 UJ[UJ] | 5 UJ[UJ] | NA | NA | NA |
| | ND40-WTRPMW-1-2Q06-B | 4/19/2006 | FD | NA | 5 UJ[UJ] | NA | NA | NA | NA | NA | 5 UJ[UJ] | 5 UJ[UJ] | NA | 5 UJ[UJ] | NA | 5 UJ[UJ] | 5 UJ[UJ] | NA | NA | NA |
| | ND40-WTRPMW-1-3Q06-A | 7/12/2006 | FS | NA | 10 U[U] | NA | NA | NA | NA | NA | 10 U[U] | 20 U[U] | NA | 10 U[U] | NA | 20 U[U] | 10 U[U] | NA | NA | NA |
| | ND40-WTRPMW-1-1Q07-A | 3/7/2007 | FS | NA | 10 UJ[UJ] | NA | NA | NA | NA | NA | 10 UJ[UJ] | 20 UJ[UJ] | NA | 10 UJ[UJ] | NA | 20 UJ[UJ] | 10 UJ[UJ] | NA | NA | NA |
| | ND40-WTRPMW-1-1Q07-B | 3/7/2007 | FD | NA | 10 UJ[UJ] | NA | NA | NA | NA | NA | 10 UJ[UJ] | 20 UJ[UJ] | NA | 10 UJ[UJ] | NA | 20 UJ[UJ] | 10 UJ[UJ] | NA | NA | NA |
| | ND40-WTRPMW-1-4Q07-A | 10/16/2007 | FS | NA | 10 U[U] | NA | NA | NA | NA | NA | 10 U[U] | 20 U[U] | NA | 10 U[U] | NA | 20 U[U] | 10 U[U] | NA | NA | NA |
| | ND40-WTRPMW-1-1Q08-A | 4/9/2008 | FS | NA | 10 U[U] | NA | NA | NA | NA | NA | 10 U[U] | 20 U[U] | NA | 10 U[U] | NA | 20 U[U] | 10 U[U] | NA | NA | NA |
| | ND40-WTRPMW-1-1Q09-A | 4/8/2009 | FS | NA | 10 U[U] | NA | NA | NA | NA | NA | 10 U[U] | 20 U[U] | NA | 10 U[U] | NA | 20 U[U] | 10 U[U] | NA | NA | NA |
| | ND40-WTRPMW-1-1Q10-A | 4/13/2010 | FS | NA | 0.21 U[U] | NA | NA | NA | NA | NA | 0.29 U[U] | 0.8 U[U] | NA | 0.29 U[U] | NA | 0.34 U[U] | 0.43 U[U] | NA | NA | NA |
| | ND40-WTRPMW-1-2012-A | 8/9/2012 | FS | NA | 0.21 U[U] | NA | NA | NA | NA | NA | 0.29 U[U] | 0.8 U[U] | NA | 0.29 U[U] | NA | 0.34 U[U] | 0.43 U[U] | NA | NA | NA |
| | ND40-WTRPMW-1-2013-A | 5/22/2013 | FS | NA | 0.2 U[U] | NA | NA | NA | NA | NA | 0.28 U[U] | 0.79 U[U] | NA | 0.28 U[U] | NA | 0.34 U[U] | 0.43 U[U] | NA | NA | NA |
| | ND40-WTRPMW-1-2014-A | 5/13/2014 | FS | NA | 0.21 U[U] | NA | NA | NA | NA | NA | 0.28 U[U] | 0.79 U[U] | NA | 0.28 U[U] | NA | 0.34 U[U] | 0.43 U[U] | NA | NA | NA |
| | ND40-WTRPMW-1-2015-A | 5/6/2015 | FS | NA | 9.5 U[U] | NA | NA | NA | NA | NA | 9.5 U[U] | 19 U[U] | NA | 9.5 UJ[UJ] | NA | 19 U[U] | 9.5 U[U] | NA | NA | NA |
| | NAAD40-PMW-1-00 | 5/9/2016 | FS | 4.1 U[U] | 0.51 U[U] | 2 U[U] | NA | 51 UQ[UJ] | 2 U[U] | 10 U[U] | 1 U[U] | 2 U[U] | 4.1 U[U] | 1 U[U] | 4.1 U[U] | 1 U[U] | 1 U[U] | 4.1 U[U] | 4.1 U[U] | 4.1 U[U] |
| | NAAD40-PMW-1-00 | 5/4/2017 | FS | 4 U[U] | 0.5 U[U] | 2 U[U] | NA | 50 U[U] | 2 U[U] | 9.9 U[U] | 0.99 UQ[UJ] | 2 U[U] | 4 U[U] | 0.99 U[U] | 4 U[U] | 0.99 U[U] | 0.99 U[U] | 4 U[U] | 4 U[U] | 4 U[U] |
| | NAAD40-PMW1-00 | 5/24/2018 | FS | 2.63 U[U] | 2.63 U[U] | 2.63 U[UJ] | 10.5 U[UJ] | 13.2 U[U] | 2.63 U[U] | 2.63 U[UJ] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] |
| | NAAD40-PMW1-00 | 5/1/2019 | FS | 5 U[U] | 5 U[U] | 5 U[U] | 20 U[UJ] | 25 U[UJ] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[UJ] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] |
| PMW-2 | ND40-WTRPMW-2-4Q05-A | 11/4/2005 | FS | NA | 5.1 U[U] | NA | NA | NA | NA | NA | 5.1 U[U] | 5.1 U[U] | NA | 5.1 UJ[UJ] | NA | 5.1 U[U] | 5.1 U[U] | NA | NA | NA |
| | ND40-WTRPMW-2-1Q06-A | 1/31/2006 | FS | NA | 5.2 U[U] | NA | NA | NA | NA | NA | 5.2 U[U] | 5.2 U[U] | NA | 5.2 UJ[UJ] | NA | 5.2 U[U] | 5.2 U[U] | NA | NA | NA |
| | ND40-WTRPMW-2-2-Q06-A | 4/19/2006 | FS | NA | 5.9 UJ[UJ] | NA | NA | NA | NA | NA | 5.9 UJ[UJ] | 5.9 UJ[UJ] | NA | 5.9 UJ[UJ] | NA | 5.9 UJ[UJ] | 5.9 UJ[UJ] | NA | NA | NA |
| | ND40-WTRPMW-2-3Q06-A | 7/12/2006 | FS | NA | 10 U[U] | NA | NA | NA | NA | NA | 10 U[U] | 20 U[U] | NA | 10 U[U] | NA | 20 U[U] | 10 U[U] | NA | NA | NA |
| | ND40-WTRPMW-2-1Q07-A | 3/7/2007 | FS | NA | 10 UJ[UJ] | NA | NA | NA | NA | NA | 10 UJ[UJ] | 20 UJ[UJ] | NA | 10 UJ[UJ] | NA | 20 UJ[UJ] | 10 UJ[UJ] | NA | NA | NA |
| | ND40-WTRPMW-2-4Q07-A | 10/16/2007 | FS | NA | 10 U[U] | NA | NA | NA | NA | NA | 10 U[U] | 20 U[U] | NA | 10 U[U] | NA | 20 U[U] | 10 U[U] | NA | NA | NA |
| | ND40-WTRPMW-2-1Q08-A | 4/9/2008 | FS | NA | 10 U[U] | NA | NA | NA | NA | NA | 10 U[U] | 20 U[U] | NA | 10 U[U] | NA | 20 U[U] | 10 U[U] | NA | NA | NA |
| | ND40-WTRPMW-2-1Q09-A | 4/8/2009 | FS | NA | 10 U[U] | NA | NA | NA | NA | NA | 10 U[U] | 20 U[U] | NA | 10 U[U] | NA | 20 U[U] | 10 U[U] | NA | NA | NA |
| | ND40-WTRPMW-2-1Q10-A | 4/13/2010 | FS | NA | 0.2 U[U] | NA | NA | NA | NA | NA | 0.28 U[U] | 0.77 U[U] | NA | 0.28 U[U] | NA | 0.33 U[U] | 0.42 U[U] | NA | NA | NA |
| | ND40-WTRPMW-2-2012-A | 8/8/2012 | FS | NA | 0.2 U[U] | NA | NA | NA | NA | NA | 0.28 U[U] | 0.78 U[U] | NA | 0.28 U[U] | NA | 0.34 U[U] | 0.43 U[U] | NA | NA | NA |
| | ND40-WTRPMW-2-2013-A | 5/22/2013 | FS | NA | 0.2 U[U] | NA | NA | NA | NA | NA | 0.28 U[U] | 0.77 U[U] | NA | 0.28 U[U] | NA | 0.33 U[U] | 0.42 U[U] | NA | NA | NA |
| | ND40-WTRPMW-2-2014-A | 5/13/2014 | FS | NA | 0.21 U[U] | NA | NA | NA | NA | NA | 0.29 U[U] | 0.81 U[U] | NA | 0.29 U[U] | NA | 0.35 U[U] | 0.44 U[U] | NA | NA | NA |
| | ND40-WTRPMW-2-2014-B | 5/13/2014 | FD | NA | 0.21 U[U] | NA | NA | NA | NA | NA | 0.29 U[U] | 0.81 U[U] | NA | 0.29 U[U] | NA | 0.35 U[U] | 0.44 U[U] | NA | NA | NA |
| | ND40-WTRPMW-2-2015-A | 5/7/2015 | FS | NA | 9.5 U[U] | NA | NA | NA | NA | NA | 9.5 U[U] | 19 U[U] | NA | 9.5 UJ[UJ] | NA | 19 U[U] | 9.5 U[U] | NA | NA | NA |
| | NAAD40-PMW-2-00 | 5/9/2016 | FS | 4 U[U] | 0.5 U[U] | 2 U[U] | NA | 50 UQ[UJ] | 2 U[U] | 10 U[U] | 1 U[U] | 2 U[U] | 4 U[U] | 1 U[U] | 4 U[U] | 1 U[U] | 1 U[U] | 4 U[U] | 4 U[U] | 4 U[U] |
| | NAAD40-PMW-2-01 | 5/9/2016 | FD | 4 U[U] | 0.5 U[U] | 2 U[U] | NA | 50 UQ[UJ] | 2 U[U] | 10 U[U] | 1 U[U] | 2 U[U] | 4 U[U] | 1 U[U] | 4 U[U] | 1 U[U] | 1 U[U] | 4 U[U] | 4 U[U] | 4 U[U] |
| | NAAD40-PMW-2-00 | 5/3/2017 | FS | 4.1 U[U] | 0.51 U[U] | 2 U[U] | NA | 51 U[U] | 2 U[U] | 10 U[U] | 1 UQ[UJ] | 2 U[U] | 4.1 U[U] | 1 U[U] | 4.1 U[U] | 1 U[U] | 1 U[U] | 4.1 U[U] | 4.1 U[U] | 4.1 U[U] |
| | NAAD40-PMW2-00 | 5/23/2018 | FS | 2.63 U[U] | 2.63 U[U] | 2.63 U[UJ] | 10.5 U[UJ] | 13.2 U[U] | 2.63 U[U] | 2.63 U[UJ] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] |
| | NAAD40-PMW2-00 | 4/30/2019 | FS | 5.56 U[U] | 5.56 U[U] | 5.56 U[U] | 22.2 U[UJ] | 27.8 U[UJ] | 5.56 U[U] | 5.56 U[UJ] | 5.56 U[U] | 5.56 U[U] | 5.56 U[U] | 5.56 U[U] | 5.56 U[UJ] | 5.56 U[U] | 5.56 U[U] | 5.56 U[U] | 5.56 U[U] | 5.56 U[U] |

**Table H-2**
**Cumulative Analytical Data**
**NAAD-40**

| | | | Analysis Group | SVOCs | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Analyte | Isodrin | Isophorone | Isosafrole | Kepone | Methapyrilene | Methyl Methanesulfonate | Methyl parathion | Naphthalene | Nitrobenzene | N-Nitrosodiethylamine | N-Nitrosodimethylamine | N-Nitrosodi-N-Butylamine | N-Nitrosodi-n-propylamine | n-Nitrosodiphenylamine (as diphenylamine) | N-Nitrosomethylethylamine | N-Nitrosomorpholine | N-Nitrosopiperidine |
| | | | CAS No. | 465-73-6 | 78-59-1 | 120-58-1 | 143-50-0 | 91-80-5 | 66-27-3 | 298-00-0 | 91-20-3 | 98-95-3 | 55-18-5 | 62-75-9 | 924-16-3 | 621-64-7 | 86-30-6 | 10595-95-6 | 59-89-2 | 100-75-4 |
| | | | Units | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L |
| | | | PAL | NE | 78 | NE | 0.0035 | NE | 0.79 | 4.5 | 0.17 | 0.14 | 0.00017 | 0.00011 | 0.0027 | 0.011 | 12 | 0.00071 | 0.012 | 0.0082 |
| Station | Sample ID | Date | Type | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| PMW-3 | ND40-WTRPMW-3-4Q05-A | 11/4/2005 | FS | NA | 5.1 U[U] | NA | NA | NA | NA | NA | 5.1 U[U] | 5.1 U[U] | NA | 5.1 UJ[UJ] | NA | 5.1 U[U] | 5.1 U[U] | NA | NA | NA |
| | ND40-WTRPMW-3-1Q06-A | 1/31/2006 | FS | NA | 5.5 U[U] | NA | NA | NA | NA | NA | 5.5 U[U] | 5.5 U[U] | NA | 5.5 UJ[UJ] | NA | 5.5 U[U] | 5.5 U[U] | NA | NA | NA |
| | ND40-WTRPMW-3-2Q06-A | 4/19/2006 | FS | NA | 5.3 UJ[UJ] | NA | NA | NA | NA | NA | 5.3 UJ[UJ] | 5.3 UJ[UJ] | NA | 5.3 UJ[UJ] | NA | 5.3 UJ[UJ] | 5.3 UJ[UJ] | NA | NA | NA |
| | ND40-WTRPMW-3-3Q06-A | 7/12/2006 | FS | NA | 10 U[U] | NA | NA | NA | NA | NA | 10 U[U] | 20 U[U] | NA | 10 U[U] | NA | 20 U[U] | 10 U[U] | NA | NA | NA |
| | ND40-WTRPMW-3-3Q06-B | 7/12/2006 | FD | NA | 10 U-U | NA | NA | NA | NA | NA | 10 U-U | 20 U-U | NA | 10 U-U | NA | 20 U-U | 10 U-U | NA | NA | NA |
| | ND40-WTRPMW-3-1Q07-A | 3/7/2007 | FS | NA | 10 UJ[UJ] | NA | NA | NA | NA | NA | 10 UJ[UJ] | 20 UJ[UJ] | NA | 10 UJ[UJ] | NA | 20 UJ[UJ] | 10 UJ[UJ] | NA | NA | NA |
| | ND40-WTRPMW-3-4Q07-A | 10/16/2007 | FS | NA | 10 U[U] | NA | NA | NA | NA | NA | 10 U[U] | 20 U[U] | NA | 10 U[U] | NA | 20 U[U] | 10 U[U] | NA | NA | NA |
| | ND40-WTRPMW-3-4Q07-B | 10/16/2007 | FD | NA | 10 U[U] | NA | NA | NA | NA | NA | 10 U[U] | 20 U[U] | NA | 10 U[U] | NA | 20 U[U] | 10 U[U] | NA | NA | NA |
| | ND40-WTRPMW-3-1Q08-A | 4/9/2008 | FS | NA | 10 U[U] | NA | NA | NA | NA | NA | 10 U[U] | 20 U[U] | NA | 10 U[U] | NA | 20 U[U] | 10 U[U] | NA | NA | NA |
| | ND40-WTRPMW-3-1Q08-B | 4/9/2008 | FD | NA | 10 U[U] | NA | NA | NA | NA | NA | 10 U[U] | 20 U[U] | NA | 10 U[U] | NA | 20 U[U] | 10 U[U] | NA | NA | NA |
| | ND40-WTRPMW-3-1Q09-A | 4/8/2009 | FS | NA | 10 U[U] | NA | NA | NA | NA | NA | 10 U[U] | 20 U[U] | NA | 10 U[U] | NA | 20 U[U] | 10 U[U] | NA | NA | NA |
| | ND40-WTRPMW-3-1Q09-B | 4/8/2009 | FD | NA | 10 U[U] | NA | NA | NA | NA | NA | 10 U[U] | 20 U[U] | NA | 10 U[U] | NA | 20 U[U] | 10 U[U] | NA | NA | NA |
| | ND40-WTRPMW-3-1Q10-A | 4/13/2010 | FS | NA | 0.2 U[U] | NA | NA | NA | NA | NA | 0.28 U[U] | 0.78 U[U] | NA | 0.28 U[U] | NA | 0.34 U[U] | 0.42 U[U] | NA | NA | NA |
| | ND40-WTRPMW-3-1Q10-B | 4/13/2010 | FD | NA | 0.2 U[U] | NA | NA | NA | NA | NA | 0.28 U[U] | 0.77 U[U] | NA | 0.28 U[U] | NA | 0.33 U[U] | 0.42 U[U] | NA | NA | NA |
| | ND40-WTRPMW-3-2012-A | 8/8/2012 | FS | NA | 0.2 U[U] | NA | NA | NA | NA | NA | **4.5 [J]** | 0.77 U[U] | NA | 0.28 U[U] | NA | 0.33 U[U] | 0.42 U[U] | NA | NA | NA |
| | ND40-WTRPMW-3-2012-B | 8/8/2012 | FD | NA | 0.2 U[U] | NA | NA | NA | NA | NA | 0.27 U[U] | 0.77 U[U] | NA | 0.27 U[U] | NA | 0.33 U[U] | 0.42 U[U] | NA | NA | NA |
| | ND40-WTRPMW-3-2013-A | 5/22/2013 | FS | NA | 0.2 U[U] | NA | NA | NA | NA | NA | 0.27 U[U] | 0.76 U[U] | NA | 0.27 U[U] | NA | 0.33 U[U] | 0.41 U[U] | NA | NA | NA |
| | ND40-WTRPMW-3-2013-B | 5/22/2013 | FD | NA | 0.2 U[U] | NA | NA | NA | NA | NA | 0.28 U[U] | 0.77 U[U] | NA | 0.28 U[U] | NA | 0.33 U[U] | 0.42 U[U] | NA | NA | NA |
| | ND40-WTRPMW-3-2014-A | 5/13/2014 | FS | NA | 0.21 U[U] | NA | NA | NA | NA | NA | 0.29 U[U] | 0.81 U[U] | NA | 0.29 U[U] | NA | 0.35 U[U] | 0.44 U[U] | NA | NA | NA |
| | ND40-WTRPMW-3-2015-A | 5/7/2015 | FS | NA | 9.6 U[U] | NA | NA | NA | NA | NA | 9.6 U[U] | 19 U[U] | NA | 9.6 UJ[UJ] | NA | 19 U[U] | 9.6 U[U] | NA | NA | NA |
| | ND40-WTRPMW-3-2015-B | 5/7/2015 | FD | NA | 9.5 U[U] | NA | NA | NA | NA | NA | 9.5 U[U] | 19 U[U] | NA | 9.5 UJ[UJ] | NA | 19 U[U] | 9.5 U[U] | NA | NA | NA |
| | NAAD40-PMW-3-00 | 5/9/2016 | FS | 3.9 U[U] | 0.49 U[U] | 2 U[U] | NA | 49 UQ[UJ] | 2 U[U] | 9.8 U[U] | 0.98 U[U] | 2 U[U] | 3.9 U[U] | 0.98 U[U] | 3.9 U[U] | 0.98 U[U] | 0.98 U[U] | 3.9 U[U] | 3.9 U[U] | 3.9 U[U] |
| | NAAD40-PMW-3-00 | 5/4/2017 | FS | 4.2 U[U] | 0.53 U[U] | 2.1 U[U] | NA | 53 U[U] | 2.1 U[U] | 11 U[U] | 1.1 U[U] | 2.1 U[U] | 4.2 U[U] | 1.1 U[U] | 4.2 U[U] | 1.1 U[U] | 1.1 U[U] | 4.2 U[U] | 4.2 U[U] | 4.2 U[U] |
| | NAAD40-PMW3-00 | 5/24/2018 | FS | 2.63 U[U] | 2.63 U[U] | 2.63 U[UJ] | 10.5 U[UJ] | 13.2 U[U] | 2.63 U[U] | 2.63 U[UJ] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] |
| | NAAD40-PMW3-00 | 4/30/2019 | FS | 5.56 U[U] | 5.56 U[U] | 5.56 U[U] | 22.2 U[UJ] | 27.8 U[UJ] | 5.56 U[U] | 5.56 U[UJ] | 5.56 U[U] | 5.56 U[U] | 5.56 U[U] | 5.56 U[U] | 5.56 U[UJ] | 5.56 U[U] | 5.56 U[U] | 5.56 U[U] | 5.56 U[U] | 5.56 U[U] |
| | NAAD40-PMW3-01 | 4/30/2019 | FD | 5.56 UQ[U] | 5.56 UQ[U] | 5.56 UQ[U] | 22.2 UQ[UJ] | 27.8 UQ[UJ] | 5.56 UQ[U] | 5.56 UQ[UJ] | 5.56 UQ[U] | 5.56 UQ[U] | 5.56 UQ[U] | 5.56 UQ[U] | 5.56 UQ[UJ] | 5.56 UQ[U] | 5.56 UQ[U] | 5.56 UQ[U] | 5.56 UQ[U] | 5.56 UQ[U] |
| PMW-4 | ND40-WTRPMW-4-1Q08-A | 4/10/2008 | FS | NA | 10 U[U] | NA | NA | NA | NA | NA | 10 U[U] | 20 U[U] | NA | 10 U[U] | NA | 20 U[U] | 10 U[U] | NA | NA | NA |
| | ND40-WTRPMW-4-1Q09-A | 4/8/2009 | FS | NA | 10 U[U] | NA | NA | NA | NA | NA | 10 U[U] | 20 U[U] | NA | 10 U[U] | NA | 20 U[U] | 10 U[U] | NA | NA | NA |
| | ND40-WTRPMW-4-1Q10-A | 4/13/2010 | FS | NA | 0.21 U[U] | NA | NA | NA | NA | NA | 0.29 U[U] | 0.81 U[U] | NA | 0.29 U[U] | NA | 0.35 U[U] | 0.44 U[U] | NA | NA | NA |
| | ND40-WTRPMW-4-2015-A | 5/7/2015 | FS | NA | 9.5 U[U] | NA | NA | NA | NA | NA | 9.5 U[U] | 19 U[U] | NA | 9.5 UJ[UJ] | NA | 19 U[U] | 9.5 U[U] | NA | NA | NA |
| | NAAD40-PMW-4-00 | 5/9/2016 | FS | 3.8 U[UJ] | 0.48 U[UJ] | 1.9 U[UJ] | NA | 48 UQ[UJ] | 1.9 U[UJ] | 9.6 U[UJ] | 0.96 UQ[UJ] | 1.9 U[UJ] | 3.8 U[UJ] | 0.96 U[UJ] | 3.8 U[UJ] | 0.96 U[UJ] | 0.96 U[UJ] | 3.8 U[UJ] | 3.8 U[UJ] | 3.8 U[UJ] |
| | NAAD40-PMW-4-00 | 5/4/2017 | FS | 4.1 U[U] | 0.51 U[U] | 2 U[U] | NA | 51 U[U] | 2 U[U] | 10 U[U] | 1 U[U] | 2 U[U] | 4.1 U[U] | 1 U[U] | 4.1 U[U] | 1 U[U] | 1 U[U] | 4.1 U[U] | 4.1 U[U] | 4.1 U[U] |
| | NAAD40-PMW-4-01 | 5/4/2017 | FD | 4.1 U[U] | 0.51 U[U] | 2 U[U] | NA | 51 U[U] | 2 U[U] | 10 U[U] | 1 U[U] | 2 U[U] | 4.1 U[U] | 1 U[U] | 4.1 U[U] | 1 U[U] | 1 U[U] | 4.1 U[U] | 4.1 U[U] | 4.1 U[U] |
| | NAAD40-PMW4-00 | 4/30/2019 | FS | 5.74 U[U] | 5.74 U[U] | 5.74 U[U] | 23 U[UJ] | 28.7 U[UJ] | 5.74 U[U] | 5.74 U[UJ] | 5.74 U[U] | 5.74 U[U] | 5.74 U[U] | 5.74 U[U] | 5.74 U[UJ] | 5.74 U[U] | 5.74 U[U] | 5.74 U[U] | 5.74 U[U] | 5.74 U[U] |

**Table H-2**
**Cumulative Analytical Data**
**NAAD-40**

| | | | Analysis Group | SVOCs | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Analyte | Isodrin | Isophorone | Isosafrole | Kepone | Methapyrilene | Methyl Methanesulfonate | Methyl parathion | Naphthalene | Nitrobenzene | N-Nitrosodiethylamine | N-Nitrosodimethylamine | N-Nitrosodi-N-Butylamine | N-Nitrosodi-n-propylamine | n-Nitrosodiphenylamine (as diphenylamine) | N-Nitrosomethylethylamine | N-Nitrosomorpholine | N-Nitrosopiperidine |
| | | | CAS No. | 465-73-6 | 78-59-1 | 120-58-1 | 143-50-0 | 91-80-5 | 66-27-3 | 298-00-0 | 91-20-3 | 98-95-3 | 55-18-5 | 62-75-9 | 924-16-3 | 621-64-7 | 86-30-6 | 10595-95-6 | 59-89-2 | 100-75-4 |
| | | | Units | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L |
| | | | PAL | NE | 78 | NE | 0.0035 | NE | 0.79 | 4.5 | 0.17 | 0.14 | 0.00017 | 0.00011 | 0.0027 | 0.011 | 12 | 0.00071 | 0.012 | 0.0082 |
| Station | Sample ID | Date | Type | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| PMW-5 | ND40-WTRPMW-5-4Q05-A | 11/3/2005 | FS | NA | 5.1 U[U] | NA | NA | NA | NA | NA | 5.1 U[U] | 5.1 U[U] | NA | 5.1 UJ[UJ] | NA | 5.1 U[U] | 5.1 U[U] | NA | NA | NA |
| | ND40-WTRPMW-5-1Q06-A | 1/31/2006 | FS | NA | 5.4 U[U] | NA | NA | NA | NA | NA | 5.4 U[U] | 5.4 U[U] | NA | 5.4 UJ[UJ] | NA | 5.4 U[U] | 5.4 U[U] | NA | NA | NA |
| | ND40-WTRPMW-5-2Q06-A | 4/19/2006 | FS | NA | 5.1 UJ[UJ] | NA | NA | NA | NA | NA | 5.1 UJ[UJ] | 5.1 UJ[UJ] | NA | 5.1 UJ[UJ] | NA | 5.1 UJ[UJ] | 5.1 UJ[UJ] | NA | NA | NA |
| | ND40-WTRPMW-5-3Q06-A | 7/12/2006 | FS | NA | 10 U[U] | NA | NA | NA | NA | NA | 10 U[U] | 20 U[U] | NA | 10 U[U] | NA | 20 U[U] | 10 U[U] | NA | NA | NA |
| | ND40-WTRPMW-5-1Q07-A | 3/7/2007 | FS | NA | 10 UJ[UJ] | NA | NA | NA | NA | NA | 10 UJ[UJ] | 20 UJ[UJ] | NA | 10 UJ[UJ] | NA | 20 UJ[UJ] | 10 UJ[UJ] | NA | NA | NA |
| | ND40-WTRPMW-5-1Q08-A | 4/9/2008 | FS | NA | 10 U[U] | NA | NA | NA | NA | NA | 10 U[U] | 20 U[U] | NA | 10 U[U] | NA | 20 U[U] | 10 U[U] | NA | NA | NA |
| | ND40-WTRPMW-5-1Q09-A | 4/8/2009 | FS | NA | 10 U[U] | NA | NA | NA | NA | NA | **0.33 J[J]** | 20 U[U] | NA | 10 U[U] | NA | 20 U[U] | 10 U[U] | NA | NA | NA |
| | ND40-WTRPMW-5-1Q10-A | 4/13/2010 | FS | NA | 0.21 U[U] | NA | NA | NA | NA | NA | 0.28 U[U] | 0.79 U[U] | NA | 0.28 U[U] | NA | 0.34 U[U] | 0.43 U[U] | NA | NA | NA |
| | ND40-WTRPMW-5-2012-A | 8/8/2012 | FS | NA | 0.2 U[U] | NA | NA | NA | NA | NA | 0.28 U[U] | 0.78 U[U] | NA | 0.28 U[U] | NA | 0.34 U[U] | 0.42 U[U] | NA | NA | NA |
| | ND40-WTRPMW-5-2013-A | 5/22/2013 | FS | NA | 0.2 U[U] | NA | NA | NA | NA | NA | 0.27 U[U] | 0.77 U[U] | NA | 0.27 U[U] | NA | 0.33 U[U] | 0.42 U[U] | NA | NA | NA |
| | ND40-WTRPMW-5-2014-A | 5/13/2014 | FS | NA | 0.21 U[U] | NA | NA | NA | NA | NA | 0.29 U[U] | 0.81 U[U] | NA | 0.29 U[U] | NA | 0.35 U[U] | 0.44 U[U] | NA | NA | NA |
| | ND40-WTRPMW-5-2015-A | 5/6/2015 | FS | NA | 9.8 U[U] | NA | NA | NA | NA | NA | 9.8 U[U] | 20 U[U] | NA | 9.8 UJ[UJ] | NA | 20 U[U] | 9.8 U[U] | NA | NA | NA |
| | NAAD40-PMW-5-00 | 5/9/2016 | FS | 3.8 U[U] | 0.48 U[U] | 1.9 U[U] | NA | 48 UJQ[UJ] | 1.9 U[U] | 9.6 U[U] | 0.96 U[U] | 1.9 U[U] | 3.8 U[U] | 0.96 U[U] | 3.8 U[U] | 0.96 U[U] | 0.96 U[U] | 3.8 U[U] | 3.8 U[U] | 3.8 U[U] |
| | NAAD40-PMW-5-00 | 5/4/2017 | FS | 4.1 U[U] | 0.52 U[U] | 2.1 U[U] | NA | 52 U[U] | 2.1 U[U] | 10 U[U] | 1 U[U] | 2.1 U[U] | 4.1 UJ[U J] | 1 U[U] | 4.1 U[U] | 1 U[U] | 1 UJ[U J] | 4.1 UJ[U J] | 4.1 U[U] | 4.1 U[U] |
| | NAAD40-PMW5-00 | 5/24/2018 | FS | 2.63 U[U] | 2.63 U[U] | 2.63 U[UJ] | 10.5 U[UJ] | 13.2 U[U] | 2.63 U[U] | 2.63 U[UJ] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] |
| | NAAD40-PMW5-01 | 5/24/2018 | FD | 2.63 U[U] | 2.63 U[U] | 2.63 U[UJ] | 10.5 U[UJ] | 13.2 U[U] | 2.63 U[U] | 2.63 U[UJ] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] |
| | NAAD40-PMW5-00 | 4/30/2019 | FS | 5.62 U[U] | 5.62 U[U] | 5.62 U[U] | 22.5 U[UJ] | 28.1 U[UJ] | 5.62 U[U] | 5.62 U[UJ] | 5.62 U[U] | 5.62 U[U] | 5.62 U[U] | 5.62 U[U] | 5.62 U[UJ] | 5.62 U[U] | 5.62 U[U] | 5.62 U[U] | 5.62 U[U] | 5.62 U[U] |

# Table H-2
# Cumulative Analytical Data
# NAAD-40

| | | | Analysis Group | SVOCs | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Analyte | N-Nitrosopyrrolidine | o,o',o"-Triethylphosphorothioate | p-Dimethylamino azobenzene | Pentachlorobenzene | Pentachloroethane | Pentachloronitrobenzene | Pentachlorophenol | Phenacetin | Phenanthrene | Phenol | Phorate | P-Phenylenediamine | Pronamide | Pyrene | Pyridine | Safrole, Total | Sulfotepp | Thionazin |
| | | | CAS No. | 930-55-2 | 126-68-1 | 60-11-7 | 608-93-5 | 76-01-7 | 82-68-8 | 87-86-5 | 62-44-2 | 85-01-8 | 108-95-2 | 298-02-2 | 106-50-3 | 23950-58-5 | 129-00-0 | 110-86-1 | 94-59-7 | 3689-24-5 | 297-97-2 |
| | | | Units | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L |
| | | | PAL | 0.037 | NE | 0.005 | 3.2 | 0.65 | 0.12 | 1 | 34 | NE | 5800 | 3 | 20 | 1200 | 120 | 20 | 0.096 | 7.1 | NE |
| Station | Sample ID | Date | Type | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| FSL5 | FSL5 | 10/17/2007 | FS | NA | NA | NA | NA | NA | NA | 60 U[U] | NA | 10 U[U] | 10 U[U] | NA | NA | NA | 10 U[U] | 20 U[U] | NA | NA | NA |
| PMW-1 | ND40-WTRPMW-1-4Q05-A | 11/3/2005 | FS | NA | NA | NA | NA | NA | NA | 13 U[U] | NA | 5.1 U[U] | 5.1 UJ[UJ] | NA | NA | NA | 5.1 U[U] | 5.1 U[U] | NA | NA | NA |
| | ND40-WTRPMW-1-4Q05-B | 11/3/2005 | FD | NA | NA | NA | NA | NA | NA | 13 U[U] | NA | 5 U[U] | 5 UJ[UJ] | NA | NA | NA | 5 U[U] | 5 U[U] | NA | NA | NA |
| | ND40-WTRPMW-1-1Q06-A | 1/31/2006 | FS | NA | NA | NA | NA | NA | NA | 14 U[U] | NA | 5.6 U[U] | 5.6 UJ[UJ] | NA | NA | NA | 5.6 U[U] | 5.6 UJ[UJ] | NA | NA | NA |
| | ND40-WTRPMW-1-1Q06-B | 1/31/2006 | FD | NA | NA | NA | NA | NA | NA | 13 U[U] | NA | 5.2 U[U] | 5.2 UJ[UJ] | NA | NA | NA | 5.2 U[U] | 5.2 UJ[UJ] | NA | NA | NA |
| | ND40-WTRPMW-1-2Q06-A | 4/19/2006 | FS | NA | NA | NA | NA | NA | NA | 13 UJ[UJ] | NA | 5 UJ[UJ] | 5 UJ[UJ] | NA | NA | NA | 5 UJ[UJ] | 5 UJ[UJ] | NA | NA | NA |
| | ND40-WTRPMW-1-2Q06-B | 4/19/2006 | FD | NA | NA | NA | NA | NA | NA | 13 UJ[UJ] | NA | 5 UJ[UJ] | 5 UJ[UJ] | NA | NA | NA | 5 UJ[UJ] | 5 UJ[UJ] | NA | NA | NA |
| | ND40-WTRPMW-1-3Q06-A | 7/12/2006 | FS | NA | NA | NA | NA | NA | NA | 60 U[U] | NA | 10 U[U] | 10 U[U] | NA | NA | NA | 10 U[U] | 20 U[U] | NA | NA | NA |
| | ND40-WTRPMW-1-1Q07-A | 3/7/2007 | FS | NA | NA | NA | NA | NA | NA | 60 UJ[UJ] | NA | 10 UJ[UJ] | 10 UJ[UJ] | NA | NA | NA | 10 UJ[UJ] | 20 UJ[UJ] | NA | NA | NA |
| | ND40-WTRPMW-1-1Q07-B | 3/7/2007 | FD | NA | NA | NA | NA | NA | NA | 60 UJ[UJ] | NA | 10 UJ[UJ] | 10 UJ[UJ] | NA | NA | NA | 10 UJ[UJ] | 20 UJ[UJ] | NA | NA | NA |
| | ND40-WTRPMW-1-4Q07-A | 10/16/2007 | FS | NA | NA | NA | NA | NA | NA | 60 U[U] | NA | 10 U[U] | 10 U[U] | NA | NA | NA | 10 U[U] | 20 U[U] | NA | NA | NA |
| | ND40-WTRPMW-1-1Q08-A | 4/9/2008 | FS | NA | NA | NA | NA | NA | NA | 60 U[U] | NA | 10 U[U] | 10 U[U] | NA | NA | NA | 10 U[U] | 20 U[U] | NA | NA | NA |
| | ND40-WTRPMW-1-1Q09-A | 4/8/2009 | FS | NA | NA | NA | NA | NA | NA | 60 U[U] | NA | 10 U[U] | 10 U[U] | NA | NA | NA | 10 U[U] | 20 U[U] | NA | NA | NA |
| | ND40-WTRPMW-1-1Q10-A | 4/13/2010 | FS | NA | NA | NA | NA | NA | NA | 20 U[U] | NA | 0.26 U[U] | 2 U[U] | NA | NA | NA | 0.36 U[U] | 1.7 U[U] | NA | NA | NA |
| | ND40-WTRPMW-1-2012-A | 8/9/2012 | FS | NA | NA | NA | NA | NA | NA | 20 U[U] | NA | 0.26 U[U] | 2 U[U] | NA | NA | NA | 0.36 U[U] | 1.7 U[U] | NA | NA | NA |
| | ND40-WTRPMW-1-2013-A | 5/22/2013 | FS | NA | NA | NA | NA | NA | NA | 19 U[U] | NA | 0.25 U[U] | 1.9 U[U] | NA | NA | NA | 0.36 U[U] | 1.7 U[U] | NA | NA | NA |
| | ND40-WTRPMW-1-2014-A | 5/13/2014 | FS | NA | NA | NA | NA | NA | NA | 20 U[U] | NA | 0.25 U[U] | 2 U[U] | NA | NA | NA | 0.36 U[U] | 1.7 U[U] | NA | NA | NA |
| | ND40-WTRPMW-1-2015-A | 5/6/2015 | FS | NA | NA | NA | NA | NA | NA | 57 UJ[UJ] | NA | 9.5 U[U] | 9.5 U[U] | NA | NA | NA | 9.5 U[U] | 19 UJ[UJ] | NA | NA | NA |
| | NAAD40-PMW-1-00 | 5/9/2016 | FS | 2 U[U] | 4.1 U[U] | 4.1 U[U] | 4.1 U[U] | 4.1 U[U] | 4.1 U[U] | 61 U[U] | 4.1 U[U] | 1 U[U] | 4.5 U[U] | 4.1 U[U] | 100 U*[UJ] | 4.1 U[U] | 1 U[U] | 4.5 U[U] | 4.1 U[U] | 4.1 U[U] | 2 U[U] |
| | NAAD40-PMW-1-00 | 5/4/2017 | FS | 2 U[U] | 4 U[U] | 4 U[U] | 4 U[U] | 4 UQ[UJ] | 4 U[U] | 60 U[U] | 4 U[U] | 0.99 UQ[UJ] | 4.4 U[U] | 4 U[U] | 99 U*[UJ] | 4 U[U] | 0.99 UQ[UJ] | 4.4 U[U] | 4 U[U] | 4 U[U] | 2 U[U] |
| | NAAD40-PMW1-00 | 5/24/2018 | FS | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 13.2 U[UJ] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 52.6 U[R] | 2.63 U[U] | 2.63 U[U] | 13.2 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] |
| | NAAD40-PMW1-00 | 5/1/2019 | FS | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 25 U[UJ] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 100 U[R] | 5 U[U] | 5 U[U] | 25 U[UJ] | 5 U[U] | 5 U[U] | 5 U[U] |
| PMW-2 | ND40-WTRPMW-2-4Q05-A | 11/4/2005 | FS | NA | NA | NA | NA | NA | NA | 13 U[U] | NA | 5.1 U[U] | 5.1 UJ[UJ] | NA | NA | NA | 5.1 U[U] | 5.1 U[U] | NA | NA | NA |
| | ND40-WTRPMW-2-1Q06-A | 1/31/2006 | FS | NA | NA | NA | NA | NA | NA | 13 U[U] | NA | 5.2 U[U] | 5.2 UJ[UJ] | NA | NA | NA | 5.2 U[U] | 5.2 UJ[UJ] | NA | NA | NA |
| | ND40-WTRPMW-2-2-Q06-A | 4/19/2006 | FS | NA | NA | NA | NA | NA | NA | 15 UJ[UJ] | NA | 5.9 UJ[UJ] | 5.9 UJ[UJ] | NA | NA | NA | 5.9 UJ[UJ] | 5.9 UJ[UJ] | NA | NA | NA |
| | ND40-WTRPMW-2-3Q06-A | 7/12/2006 | FS | NA | NA | NA | NA | NA | NA | 60 U[U] | NA | 10 U[U] | 10 U[U] | NA | NA | NA | 10 U[U] | 20 U[U] | NA | NA | NA |
| | ND40-WTRPMW-2-1Q07-A | 3/7/2007 | FS | NA | NA | NA | NA | NA | NA | 60 UJ[UJ] | NA | 10 UJ[UJ] | 10 UJ[UJ] | NA | NA | NA | 10 UJ[UJ] | 20 UJ[UJ] | NA | NA | NA |
| | ND40-WTRPMW-2-4Q07-A | 10/16/2007 | FS | NA | NA | NA | NA | NA | NA | 60 U[U] | NA | 10 U[U] | 10 U[U] | NA | NA | NA | 10 U[U] | 20 U[U] | NA | NA | NA |
| | ND40-WTRPMW-2-1Q08-A | 4/9/2008 | FS | NA | NA | NA | NA | NA | NA | 60 U[U] | NA | 10 U[U] | 10 U[U] | NA | NA | NA | 10 U[U] | 20 U[U] | NA | NA | NA |
| | ND40-WTRPMW-2-1Q09-A | 4/8/2009 | FS | NA | NA | NA | NA | NA | NA | 60 U[U] | NA | 10 U[U] | 10 U[U] | NA | NA | NA | 10 U[U] | 20 U[U] | NA | NA | NA |
| | ND40-WTRPMW-2-1Q10-A | 4/13/2010 | FS | NA | NA | NA | NA | NA | NA | 19 U[U] | NA | 0.25 U[U] | 1.9 U[U] | NA | NA | NA | 0.35 U[U] | 1.6 U[U] | NA | NA | NA |
| | ND40-WTRPMW-2-2012-A | 8/8/2012 | FS | NA | NA | NA | NA | NA | NA | 19 U[U] | NA | 0.25 U[U] | 1.9 U[U] | NA | NA | NA | 0.36 U[U] | 1.6 U[U] | NA | NA | NA |
| | ND40-WTRPMW-2-2013-A | 5/22/2013 | FS | NA | NA | NA | NA | NA | NA | 19 U[U] | NA | 0.25 U[U] | 1.9 U[U] | NA | NA | NA | 0.35 U[U] | 1.6 U[U] | NA | NA | NA |
| | ND40-WTRPMW-2-2014-A | 5/13/2014 | FS | NA | NA | NA | NA | NA | NA | 20 U[U] | NA | 0.26 U[U] | 2 U[U] | NA | NA | NA | 0.37 U[U] | 1.7 U[U] | NA | NA | NA |
| | ND40-WTRPMW-2-2014-B | 5/13/2014 | FD | NA | NA | NA | NA | NA | NA | 20 U[U] | NA | 0.26 U[U] | 2 U[U] | NA | NA | NA | 0.37 U[U] | 1.7 U[U] | NA | NA | NA |
| | ND40-WTRPMW-2-2015-A | 5/7/2015 | FS | NA | NA | NA | NA | NA | NA | 57 UJ[UJ] | NA | 9.5 U[U] | 9.5 UJ[UJ] | NA | NA | NA | 9.5 U[U] | 19 UJ[UJ] | NA | NA | NA |
| | NAAD40-PMW-2-00 | 5/9/2016 | FS | 2 U[U] | 4 U[U] | 4 U[U] | 4 U[U] | 4 U[U] | 4 U[U] | 60 U[U] | 4 U[U] | 1 U[U] | 4.4 U[U] | 4 U[U] | 100 U*[UJ] | 4 U[U] | 1 U[U] | 4.4 U[U] | 4 U[U] | 4 U[U] | 2 U[U] |
| | NAAD40-PMW-2-01 | 5/9/2016 | FD | 2 U[U] | 4 U[U] | 4 U[U] | 4 U[U] | 4 U[U] | 4 U[U] | 60 U[U] | 4 U[U] | 1 U[U] | 4.4 U[U] | 4 U[U] | 100 U*[UJ] | 4 U[U] | 1 U[U] | 4.4 U[U] | 4 U[U] | 4 U[U] | 2 U[U] |
| | NAAD40-PMW-2-00 | 5/3/2017 | FS | 2 U[U] | 4.1 U[U] | 4.1 U[U] | 4.1 U[U] | 4.1 UQ[UJ] | 4.1 U[U] | 61 U[U] | 4.1 U[U] | 1 UQ[UJ] | 4.5 U[U] | 4.1 U[U] | 100 U*[UJ] | 4.1 U[U] | 1 UQ[UJ] | 4.5 U[U] | 4.1 U[U] | 4.1 U[U] | 2 U[U] |
| | NAAD40-PMW2-00 | 5/23/2018 | FS | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 13.2 U[UJ] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 52.6 U[R] | 2.63 U[U] | 2.63 U[U] | 13.2 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] |
| | NAAD40-PMW2-00 | 4/30/2019 | FS | 5.56 U[U] | 5.56 U[U] | 5.56 U[U] | 5.56 U[U] | 5.56 U[U] | 5.56 U[U] | 27.8 U[UJ] | 5.56 U[U] | 5.56 U[U] | 5.56 U[U] | 5.56 U[U] | 111 U[R] | 5.56 U[U] | 5.56 U[U] | 27.8 U[U] | 5.56 U[U] | 5.56 U[U] | 5.56 U[U] |

**Table H-2**
**Cumulative Analytical Data**
**NAAD-40**

| | | | Analysis Group | SVOCs | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Analyte | N-Nitrosopyrrolidine | o,o',o"-Triethylphosphorothioate | p-Dimethylamino azobenzene | Pentachlorobenzene | Pentachloroethane | Pentachloronitrobenzene | Pentachlorophenol | Phenacetin | Phenanthrene | Phenol | Phorate | P-Phenylenediamine | Pronamide | Pyrene | Pyridine | Safrole, Total | Sulfotepp | Thionazin |
| | | | CAS No. | 930-55-2 | 126-68-1 | 60-11-7 | 608-93-5 | 76-01-7 | 82-68-8 | 87-86-5 | 62-44-2 | 85-01-8 | 108-95-2 | 298-02-2 | 106-50-3 | 23950-58-5 | 129-00-0 | 110-86-1 | 94-59-7 | 3689-24-5 | 297-97-2 |
| | | | Units | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L |
| | | | PAL | 0.037 | NE | 0.005 | 3.2 | 0.65 | 0.12 | 1 | 34 | NE | 5800 | 3 | 20 | 1200 | 120 | 20 | 0.096 | 7.1 | NE |
| **Station** | **Sample ID** | **Date** | **Type** | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| **PMW-3** | ND40-WTRPMW-3-4Q05-A | 11/4/2005 | FS | NA | NA | NA | NA | NA | NA | 13 U[U] | NA | 5.1 U[U] | 5.1 UJ[UJ] | NA | NA | NA | 5.1 U[U] | 5.1 U[U] | NA | NA | NA |
| | ND40-WTRPMW-3-1Q06-A | 1/31/2006 | FS | NA | NA | NA | NA | NA | NA | 14 U[U] | NA | 5.5 U[U] | 5.5 UJ[UJ] | NA | NA | NA | 5.5 U[U] | 5.5 UJ[UJ] | NA | NA | NA |
| | ND40-WTRPMW-3-2Q06-A | 4/19/2006 | FS | NA | NA | NA | NA | NA | NA | 13 UJ[UJ] | NA | 5.3 UJ[UJ] | 5.3 UJ[UJ] | NA | NA | NA | 5.3 UJ[UJ] | 5.3 UJ[UJ] | NA | NA | NA |
| | ND40-WTRPMW-3-3Q06-A | 7/12/2006 | FS | NA | NA | NA | NA | NA | NA | 60 U[U] | NA | 10 U[U] | 10 U[U] | NA | NA | NA | 10 U[U] | 20 U[U] | NA | NA | NA |
| | ND40-WTRPMW-3-3Q06-B | 7/12/2006 | FD | NA | NA | NA | NA | NA | NA | 60 U-U | NA | 10 U-U | 10 U-U | NA | NA | NA | 10 U-U | 20 U-U | NA | NA | NA |
| | ND40-WTRPMW-3-1Q07-A | 3/7/2007 | FS | NA | NA | NA | NA | NA | NA | 60 UJ[UJ] | NA | 10 UJ[UJ] | 10 UJ[UJ] | NA | NA | NA | 10 UJ[UJ] | 20 UJ[UJ] | NA | NA | NA |
| | ND40-WTRPMW-3-4Q07-A | 10/16/2007 | FS | NA | NA | NA | NA | NA | NA | 60 U[U] | NA | 10 U[U] | 10 U[U] | NA | NA | NA | 10 U[U] | 20 U[U] | NA | NA | NA |
| | ND40-WTRPMW-3-4Q07-B | 10/16/2007 | FD | NA | NA | NA | NA | NA | NA | 60 U[U] | NA | 10 U[U] | 10 U[U] | NA | NA | NA | 10 U[U] | 20 U[U] | NA | NA | NA |
| | ND40-WTRPMW-3-1Q08-A | 4/9/2008 | FS | NA | NA | NA | NA | NA | NA | 60 U[U] | NA | 10 U[U] | 10 U[U] | NA | NA | NA | 10 U[U] | 20 U[U] | NA | NA | NA |
| | ND40-WTRPMW-3-1Q08-B | 4/9/2008 | FD | NA | NA | NA | NA | NA | NA | 60 U[U] | NA | 10 U[U] | 10 U[U] | NA | NA | NA | 10 U[U] | 20 U[U] | NA | NA | NA |
| | ND40-WTRPMW-3-1Q09-A | 4/8/2009 | FS | NA | NA | NA | NA | NA | NA | 60 U[U] | NA | 10 U[U] | 10 U[U] | NA | NA | NA | 10 U[U] | 20 U[U] | NA | NA | NA |
| | ND40-WTRPMW-3-1Q09-B | 4/8/2009 | FD | NA | NA | NA | NA | NA | NA | 60 U[U] | NA | 10 U[U] | 10 U[U] | NA | NA | NA | 10 U[U] | 20 U[U] | NA | NA | NA |
| | ND40-WTRPMW-3-1Q10-A | 4/13/2010 | FS | NA | NA | NA | NA | NA | NA | 19 U[U] | NA | 0.25 U[U] | 1.9 U[U] | NA | NA | NA | 0.35 U[U] | 1.6 U[U] | NA | NA | NA |
| | ND40-WTRPMW-3-1Q10-B | 4/13/2010 | FD | NA | NA | NA | NA | NA | NA | 19 U[U] | NA | 0.25 U[U] | 1.9 U[U] | NA | NA | NA | 0.35 U[U] | 1.6 U[U] | NA | NA | NA |
| | ND40-WTRPMW-3-2012-A | 8/8/2012 | FS | NA | NA | NA | NA | NA | NA | 19 U[U] | NA | 0.25 U[U] | 1.9 U[U] | NA | NA | NA | 0.35 U[U] | 1.6 U[U] | NA | NA | NA |
| | ND40-WTRPMW-3-2012-B | 8/8/2012 | FD | NA | NA | NA | NA | NA | NA | 19 U[U] | NA | 0.25 U[U] | 1.9 U[U] | NA | NA | NA | 0.35 U[U] | 1.6 U[U] | NA | NA | NA |
| | ND40-WTRPMW-3-2013-A | 5/22/2013 | FS | NA | NA | NA | NA | NA | NA | 19 U[U] | NA | 0.25 U[U] | 1.9 U[U] | NA | NA | NA | 0.35 U[U] | 1.6 U[U] | NA | NA | NA |
| | ND40-WTRPMW-3-2013-B | 5/22/2013 | FD | NA | NA | NA | NA | NA | NA | 19 U[U] | NA | 0.25 U[U] | 1.9 U[U] | NA | NA | NA | 0.35 U[U] | 1.6 U[U] | NA | NA | NA |
| | ND40-WTRPMW-3-2014-A | 5/13/2014 | FS | NA | NA | NA | NA | NA | NA | 20 U[U] | NA | 0.26 U[U] | 2 U[U] | NA | NA | NA | 0.37 U[U] | 1.7 U[U] | NA | NA | NA |
| | ND40-WTRPMW-3-2015-A | 5/7/2015 | FS | NA | NA | NA | NA | NA | NA | 58 UJ[UJ] | NA | 9.6 U[U] | 9.6 U[U] | NA | NA | NA | 9.6 U[U] | 19 UJ[UJ] | NA | NA | NA |
| | ND40-WTRPMW-3-2015-B | 5/7/2015 | FD | NA | NA | NA | NA | NA | NA | 57 UJ[UJ] | NA | 9.5 U[U] | 9.5 U[U] | NA | NA | NA | 9.5 U[U] | 19 UJ[UJ] | NA | NA | NA |
| | NAAD40-PMW-3-00 | 5/9/2016 | FS | 2 U[U] | 3.9 U[U] | 3.9 U[U] | 3.9 U[U] | 3.9 U[U] | 3.9 U[U] | 59 U[U] | 3.9 U[U] | 0.98 U[U] | 4.3 U[U] | 3.9 U[U] | 98 U*[UJ] | 3.9 U[U] | 0.98 U[U] | 4.3 U[U] | 3.9 U[U] | 3.9 U[U] | 2 U[U] |
| | NAAD40-PMW-3-00 | 5/4/2017 | FS | 2.1 U[U] | 4.2 U[U] | 4.2 U[U] | 4.2 U[U] | 4.2 U[U] | 4.2 U[U] | 63 U[U] | 4.2 U[U] | 1.1 U[U] | 4.6 U[U] | 4.2 U[U] | 110 U[U] | 4.2 U[U] | 1.1 U[U] | 4.6 U[U] | 4.2 U[U] | 4.2 U[U] | 2.1 U[U] |
| | NAAD40-PMW3-00 | 5/24/2018 | FS | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 13.2 U[UJ] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 52.6 U[R] | 2.63 U[U] | 2.63 U[U] | 13.2 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] |
| | NAAD40-PMW3-00 | 4/30/2019 | FS | 5.56 U[U] | 5.56 U[U] | 5.56 U[U] | 5.56 U[U] | 5.56 U[U] | 5.56 U[U] | 27.8 U[UJ] | 5.56 U[U] | 5.56 U[U] | 5.56 U[U] | 5.56 U[U] | 111 U[R] | 5.56 U[U] | 5.56 U[U] | 27.8 U[U] | 5.56 U[U] | 5.56 U[U] | 5.56 U[U] |
| | NAAD40-PMW3-01 | 4/30/2019 | FD | 5.56 UQ[U] | 5.56 UQ[U] | 5.56 UQ[U] | 5.56 UQ[U] | 5.56 UQ[U] | 5.56 UQ[U] | 27.8 UQ[UJ] | 5.56 UQ[U] | 5.56 UQ[U] | 5.56 UQ[UJ] | 5.56 UQ[U] | 111 UQ[R] | 5.56 UQ[U] | 5.56 UQ[U] | 27.8 UQ[U] | 5.56 UQ[U] | 5.56 UQ[U] | 5.56 UQ[U] |
| **PMW-4** | ND40-WTRPMW-4-1Q08-A | 4/10/2008 | FS | NA | NA | NA | NA | NA | NA | 60 U[U] | NA | 10 U[U] | 10 U[U] | NA | NA | NA | 10 U[U] | 20 U[U] | NA | NA | NA |
| | ND40-WTRPMW-4-1Q09-A | 4/8/2009 | FS | NA | NA | NA | NA | NA | NA | 60 U[U] | NA | 10 U[U] | 10 U[U] | NA | NA | NA | 10 U[U] | 20 U[U] | NA | NA | NA |
| | ND40-WTRPMW-4-1Q10-A | 4/13/2010 | FS | NA | NA | NA | NA | NA | NA | 20 U[U] | NA | 0.26 U[U] | 2 U[U] | NA | NA | NA | 0.37 U[U] | 1.7 U[U] | NA | NA | NA |
| | ND40-WTRPMW-4-2015-A | 5/7/2015 | FS | NA | NA | NA | NA | NA | NA | 57 UJ[UJ] | NA | 9.5 U[U] | 9.5 U[U] | NA | NA | NA | 9.5 U[U] | 19 UJ[UJ] | NA | NA | NA |
| | NAAD40-PMW-4-00 | 5/9/2016 | FS | 1.9 U[UJ] | 3.8 U[UJ] | 3.8 U[UJ] | 3.8 U[UJ] | 3.8 U[UJ] | 3.8 U[UJ] | 57 U[U] | 3.8 U[UJ] | 0.96 UQ[UJ] | 4.2 U[U] | 3.8 U[UJ] | 96 U*[UJ] | 3.8 U[UJ] | 0.96 UQ[UJ] | 4.2 U[UJ] | 3.8 U[UJ] | 3.8 U[UJ] | 1.9 U[UJ] |
| | NAAD40-PMW-4-00 | 5/4/2017 | FS | 2 U[U] | 4.1 U[U] | 4.1 U[U] | 4.1 U[U] | 4.1 UQ[U] | 4.1 U[U] | 61 U[U] | 4.1 U[U] | 1 U[U] | 4.5 U[U] | 4.1 U[U] | 100 U*[UJ] | 4.1 U[U] | 1 U[U] | 4.5 U[U] | 4.1 U[U] | 4.1 U[U] | 2 U[U] |
| | NAAD40-PMW-4-01 | 5/4/2017 | FD | 2 U[U] | 4.1 U[U] | 4.1 U[U] | 4.1 U[U] | 4.1 UQ[U] | 4.1 U[U] | 61 U[U] | 4.1 U[U] | 1 U[U] | 4.5 U[U] | 4.1 U[U] | 100 U*[UJ] | 4.1 U[U] | 1 U[U] | 4.5 U[U] | 4.1 U[U] | 4.1 U[U] | 2 U[U] |
| | NAAD40-PMW4-00 | 4/30/2019 | FS | 5.74 U[U] | 5.74 U[U] | 5.74 U[U] | 5.74 U[U] | 5.74 U[U] | 5.74 U[U] | 28.7 U[UJ] | 5.74 U[U] | 5.74 U[U] | 5.74 U[U] | 5.74 U[U] | 115 U[R] | 5.74 U[U] | 5.74 U[U] | 28.7 U[U] | 5.74 U[U] | 5.74 U[U] | 5.74 U[U] |

**Table H-2**
**Cumulative Analytical Data**
**NAAD-40**

| | | | Analysis Group | SVOCs | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Analyte | N-Nitrosopyrrolidine | o,o',o"-Triethylphosphorothioate | p-Dimethylamino azobenzene | Pentachlorobenzene | Pentachloroethane | Pentachloronitrobenzene | Pentachlorophenol | Phenacetin | Phenanthrene | Phenol | Phorate | P-Phenylenediamine | Pronamide | Pyrene | Pyridine | Safrole, Total | Sulfotepp | Thionazin |
| | | | CAS No. | 930-55-2 | 126-68-1 | 60-11-7 | 608-93-5 | 76-01-7 | 82-68-8 | 87-86-5 | 62-44-2 | 85-01-8 | 108-95-2 | 298-02-2 | 106-50-3 | 23950-58-5 | 129-00-0 | 110-86-1 | 94-59-7 | 3689-24-5 | 297-97-2 |
| | | | Units | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L |
| | | | PAL | 0.037 | NE | 0.005 | 3.2 | 0.65 | 0.12 | 1 | 34 | NE | 5800 | 3 | 20 | 1200 | 120 | 20 | 0.096 | 7.1 | NE |
| Station | Sample ID | Date | Type | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| PMW-5 | ND40-WTRPMW-5-4Q05-A | 11/3/2005 | FS | NA | NA | NA | NA | NA | NA | 13 U[U] | NA | 5.1 U[U] | 5.1 UJ[UJ] | NA | NA | NA | 5.1 U[U] | 5.1 U[U] | NA | NA | NA |
| | ND40-WTRPMW-5-1Q06-A | 1/31/2006 | FS | NA | NA | NA | NA | NA | NA | 14 U[U] | NA | 5.4 U[U] | 5.4 UJ[UJ] | NA | NA | NA | 5.4 U[U] | 5.4 UJ[UJ] | NA | NA | NA |
| | ND40-WTRPMW-5-2Q06-A | 4/19/2006 | FS | NA | NA | NA | NA | NA | NA | 13 UJ[UJ] | NA | 5.1 UJ[UJ] | 5.1 UJ[UJ] | NA | NA | NA | 5.1 UJ[UJ] | 5.1 UJ[UJ] | NA | NA | NA |
| | ND40-WTRPMW-5-3Q06-A | 7/12/2006 | FS | NA | NA | NA | NA | NA | NA | 60 U[U] | NA | 10 U[U] | 10 U[U] | NA | NA | NA | 10 U[U] | 20 U[U] | NA | NA | NA |
| | ND40-WTRPMW-5-1Q07-A | 3/7/2007 | FS | NA | NA | NA | NA | NA | NA | 60 UJ[UJ] | NA | 10 UJ[UJ] | 10 UJ[UJ] | NA | NA | NA | 10 UJ[UJ] | 20 UJ[UJ] | NA | NA | NA |
| | ND40-WTRPMW-5-1Q08-A | 4/9/2008 | FS | NA | NA | NA | NA | NA | NA | 60 U[U] | NA | 10 U[U] | 10 U[U] | NA | NA | NA | 10 U[U] | 20 U[U] | NA | NA | NA |
| | ND40-WTRPMW-5-1Q09-A | 4/8/2009 | FS | NA | NA | NA | NA | NA | NA | 60 U[U] | NA | 10 U[U] | **130** | NA | NA | NA | 10 U[U] | 20 U[U] | NA | NA | NA |
| | ND40-WTRPMW-5-1Q10-A | 4/13/2010 | FS | NA | NA | NA | NA | NA | NA | 20 U[U] | NA | 0.25 U[U] | 2 U[U] | NA | NA | NA | 0.36 U[U] | 1.7 U[U] | NA | NA | NA |
| | ND40-WTRPMW-5-2012-A | 8/8/2012 | FS | NA | NA | NA | NA | NA | NA | 19 U[U] | NA | 0.25 U[U] | 1.9 U[U] | NA | NA | NA | 0.36 U[U] | 1.6 U[U] | NA | NA | NA |
| | ND40-WTRPMW-5-2013-A | 5/22/2013 | FS | NA | NA | NA | NA | NA | NA | 19 U[U] | NA | 0.25 U[U] | 1.9 U[U] | NA | NA | NA | 0.35 U[U] | 1.6 U[U] | NA | NA | NA |
| | ND40-WTRPMW-5-2014-A | 5/13/2014 | FS | NA | NA | NA | NA | NA | NA | 20 U[U] | NA | 0.26 U[U] | 2 U[U] | NA | NA | NA | 0.37 U[U] | 1.7 U[U] | NA | NA | NA |
| | ND40-WTRPMW-5-2015-A | 5/6/2015 | FS | NA | NA | NA | NA | NA | NA | 59 UJ[UJ] | NA | 9.8 U[U] | 9.8 U[U] | NA | NA | NA | 9.8 U[U] | 20 UJ[UJ] | NA | NA | NA |
| | NAAD40-PMW-5-00 | 5/9/2016 | FS | 1.9 U[U] | 3.8 U[U] | 3.8 U[U] | 3.8 U[U] | 3.8 U[U] | 3.8 U[U] | 58 U[U] | 3.8 U[U] | 0.96 U[U] | 4.2 U[U] | 3.8 U[U] | 96 U,F1*[UJ] | 3.8 U[U] | 0.96 U[U] | 4.2 U[U] | 3.8 U[U] | 3.8 U[U] | 1.9 U[U] |
| | NAAD40-PMW-5-00 | 5/4/2017 | FS | 2.1 U[U] | 4.1 U[U] | 4.1 U[U] | 4.1 U[U] | 4.1 UQJ[UJ] | 4.1 U[U] | 62 U[U] | 4.1 U[U] | 1 U[U] | 4.5 U[U] | 4.1 U[U] | 100 U*F1F2[R] | 4.1 U[U] | 1 U[U] | 4.5 U[U] | 4.1 U[U] | 4.1 U[U] | 2.1 U[U] |
| | NAAD40-PMW5-00 | 5/24/2018 | FS | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 13.2 U[UJ] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 52.6 U[R] | 2.63 U[U] | 2.63 U[U] | 13.2 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] |
| | NAAD40-PMW5-01 | 5/24/2018 | FD | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 13.2 U[UJ] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] | 52.6 U[R] | 2.63 U[U] | 2.63 U[U] | 13.2 U[U] | 2.63 U[U] | 2.63 U[U] | 2.63 U[U] |
| | NAAD40-PMW5-00 | 4/30/2019 | FS | 5.62 U[U] | 5.62 U[U] | 5.62 U[U] | 5.62 U[U] | 5.62 U[U] | 5.62 U[U] | 28.1 U[UJ] | 5.62 U[U] | 5.62 U[U] | 5.62 U[U] | 5.62 U[U] | 112 U[R] | 5.62 U[U] | 5.62 U[U] | 28.1 U[U] | 5.62 U[U] | 5.62 U[U] | 5.62 U[U] |

**Table H-2**
**Cumulative Analytical Data**
**NAAD-40**

| | | | Analysis Group | TPH | | VOCs | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Analyte | Petroleum Hydrocarbons (Motor oil) | Petroleum Hydrocabons (Diesel Range Organics) | 1,1,1,2-Tetrachloroethane | 1,1,1-Trichloroethane | 1,1,2,2-Tetrachloroethane | 1,1,2-Trichloroethane | 1,1-Dichloroethane | 1,1-Dichloroethene | 1,1-Dichloropropene | 1,2,3-Trichlorobenzene | 1,2,3-Trichloropropane | 1,2,3-Trimethylbenzene | 1,2,4-Trichlorobenzene | 1,2,4-Trimethylbenzene | 1,2-Dibromo-3-chloropropane | 1,2-Dibromoethane | 1,2-Dichlorobenzene | 1,2-Dichloroethane | 1,2-Dichloropropane | 1,3,5-Trimethylbenzene |
| | | | CAS No. | MotorOil | DRO | 630-20-6 | 71-55-6 | 79-34-5 | 79-00-5 | 75-34-3 | 75-35-4 | 563-58-6 | 87-61-6 | 96-18-4 | 526-73-8 | 120-82-1 | 95-63-6 | 96-12-8 | 106-93-4 | 95-50-1 | 107-06-2 | 78-87-5 | 108-67-8 |
| | | | Units | mg/L | mg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L |
| | | | PAL | NE | NE | 0.57 | 200 | 0.076 | 5 | 2.8 | 7 | NE | 7 | 0.00075 | NE | 70 | NE | 0.2 | 0.05 | 600 | 5 | 5 | NE |
| Station | Sample ID | Date | Type | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| FSL5 | FSL5 | 10/17/2007 | FS | NA | 0.25 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 2 U[U] | 1 U[U] | NA | 5 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] |
| PMW-1 | ND40-WTRPMW-1-4Q05-A | 11/3/2005 | FS | 0.27 U[U] | 0.11 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | NA | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] |
| | ND40-WTRPMW-1-4Q05-B | 11/3/2005 | FD | 0.27 U[U] | 0.11 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 1.4 U[U] | 5 U[U] | NA | 0.95 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] |
| | ND40-WTRPMW-1-1Q06-A | 1/31/2006 | FS | 0.27 U[U] | 0.11 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 UJ[UJ] | 5 U[U] | NA | 5 UJ[UJ] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | **1.2 J[J]** | 5 U[U] | 5 U[U] |
| | ND40-WTRPMW-1-1Q06-B | 1/31/2006 | FD | 0.27 U[U] | 0.11 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 1.4 UJ[UJ] | 5 U[U] | NA | 5 UJ[UJ] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] |
| | ND40-WTRPMW-1-2Q06-A | 4/19/2006 | FS | 0.27 U[U] | 0.11 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | NA | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] |
| | ND40-WTRPMW-1-2Q06-B | 4/19/2006 | FD | 0.27 U[U] | 0.11 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | NA | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] |
| | ND40-WTRPMW-1-3Q06-A | 7/12/2006 | FS | NA | 0.25 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 2 U[U] | 1 U[U] | NA | 5 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] |
| | ND40-WTRPMW-1-1Q07-A | 3/7/2007 | FS | NA | 0.25 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 2 U[U] | 1 U[U] | NA | 5 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] |
| | ND40-WTRPMW-1-1Q07-B | 3/7/2007 | FD | NA | 0.25 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 2 U[U] | 1 U[U] | NA | 5 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] |
| | ND40-WTRPMW-1-4Q07-A | 10/16/2007 | FS | NA | 0.25 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 2 U[U] | 1 U[U] | NA | 5 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] |
| | ND40-WTRPMW-1-1Q08-A | 4/9/2008 | FS | NA | 0.051 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 UJ[UJ] | 1 U[U] | 2 U[U] | 1 U[U] | NA | 5 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] |
| | ND40-WTRPMW-1-1Q09-A | 4/8/2009 | FS | NA | 0.25 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 2 U[U] | 1 U[U] | NA | 5 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] |
| | ND40-WTRPMW-1-1Q10-A | 4/13/2010 | FS | NA | 0.031 U[U] | 0.21 U[U] | 0.16 U[U] | 0.21 U[U] | 0.27 U[U] | 0.22 U[U] | 0.23 U[U] | 0.19 U[U] | 0.21 U[U] | 0.33 U[U] | 0.27 U[U] | 0.21 U[U] | NA | 0.47 U[U] | 0.18 U[U] | 0.15 U[U] | 0.13 U[U] | 0.18 U[U] | 0.16 U[U] |
| | ND40-WTRPMW-1-2012-A | 8/9/2012 | FS | NA | 0.031 U[U] | 0.21 U[U] | 0.16 U[U] | 0.21 U[U] | 0.27 U[U] | 0.22 U[U] | 0.23 U[U] | 0.19 U[U] | 0.21 U[U] | 0.33 U[U] | 0.27 U[U] | 0.21 U[U] | NA | 0.47 U[U] | 0.18 U[U] | 0.15 U[U] | 0.13 U[U] | 0.18 U[U] | 0.16 U[U] |
| | ND40-WTRPMW-1-2013-A | 5/22/2013 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | ND40-WTRPMW-1-2014-A | 5/13/2014 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | ND40-WTRPMW-1-2015-A | 5/6/2015 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | NAAD40-PMW-1-00 | 5/9/2016 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | NAAD40-PMW-1-00 | 5/4/2017 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | NAAD40-PMW1-00 | 5/24/2018 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | NAAD40-PMW1-00 | 5/1/2019 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| PMW-2 | ND40-WTRPMW-2-4Q05-A | 11/4/2005 | FS | 0.28 U[U] | 0.11 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | NA | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] |
| | ND40-WTRPMW-2-1Q06-A | 1/31/2006 | FS | 0.27 U[U] | 0.11 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | NA | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] |
| | ND40-WTRPMW-2-2-Q06-A | 4/19/2006 | FS | 0.27 U[U] | 0.11 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | NA | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] |
| | ND40-WTRPMW-2-3Q06-A | 7/12/2006 | FS | NA | 0.25 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 2 U[U] | 1 U[U] | NA | 5 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] |
| | ND40-WTRPMW-2-1Q07-A | 3/7/2007 | FS | NA | 0.25 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 2 U[U] | 1 U[U] | NA | 5 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] |
| | ND40-WTRPMW-2-4Q07-A | 10/16/2007 | FS | NA | 0.25 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 2 U[U] | 1 U[U] | NA | 5 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] |
| | ND40-WTRPMW-2-1Q08-A | 4/9/2008 | FS | NA | 0.054 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 UJ[UJ] | 1 U[U] | 2 U[U] | 1 U[U] | NA | 5 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] |
| | ND40-WTRPMW-2-1Q09-A | 4/8/2009 | FS | NA | 0.25 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 2 U[U] | 1 U[U] | NA | 5 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] |
| | ND40-WTRPMW-2-1Q10-A | 4/13/2010 | FS | NA | 0.031 UJ[UJ] | 0.21 U[U] | 0.16 U[U] | 0.21 U[U] | 0.27 U[U] | 0.22 U[U] | 0.23 U[U] | 0.19 U[U] | 0.21 U[U] | 0.33 U[U] | 0.27 U[U] | 0.21 U[U] | NA | 0.47 U[U] | 0.18 U[U] | 0.15 U[U] | 0.13 U[U] | 0.18 U[U] | 0.16 U[U] |
| | ND40-WTRPMW-2-2012-A | 8/8/2012 | FS | NA | 0.032 U[U] | 0.21 U[U] | 0.16 U[U] | 0.21 U[U] | 0.27 U[U] | 0.22 U[U] | 0.23 U[U] | 0.19 U[U] | 0.21 U[U] | 0.33 U[U] | 0.27 U[U] | 0.21 U[U] | NA | 0.47 U[U] | 0.18 U[U] | 0.15 U[U] | 0.13 U[U] | 0.18 U[U] | 0.16 U[U] |
| | ND40-WTRPMW-2-2013-A | 5/22/2013 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | ND40-WTRPMW-2-2014-A | 5/13/2014 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | ND40-WTRPMW-2-2014-B | 5/13/2014 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | ND40-WTRPMW-2-2015-A | 5/7/2015 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | NAAD40-PMW-2-00 | 5/9/2016 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | NAAD40-PMW-2-01 | 5/9/2016 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | NAAD40-PMW-2-00 | 5/3/2017 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | NAAD40-PMW2-00 | 5/23/2018 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | NAAD40-PMW2-00 | 4/30/2019 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**Table H-2**
**Cumulative Analytical Data**
**NAAD-40**

| | | | Analysis Group | TPH | | VOCs | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Analyte | Petroleum Hydrocarbons (Motor oil) | Petroleum Hydrocabons (Diesel Range Organics) | 1,1,1,2-Tetrachloroethane | 1,1,1-Trichloroethane | 1,1,2,2-Tetrachloroethane | 1,1,2-Trichloroethane | 1,1-Dichloroethane | 1,1-Dichloroethene | 1,1-Dichloropropene | 1,2,3-Trichlorobenzene | 1,2,3-Trichloropropane | 1,2,3-Trimethylbenzene | 1,2,4-Trichlorobenzene | 1,2,4-Trimethylbenzene | 1,2-Dibromo-3-chloropropane | 1,2-Dibromoethane | 1,2-Dichlorobenzene | 1,2-Dichloroethane | 1,2-Dichloropropane | 1,3,5-Trimethylbenzene |
| | | | CAS No. | MotorOil | DRO | 630-20-6 | 71-55-6 | 79-34-5 | 79-00-5 | 75-34-3 | 75-35-4 | 563-58-6 | 87-61-6 | 96-18-4 | 526-73-8 | 120-82-1 | 95-63-6 | 96-12-8 | 106-93-4 | 95-50-1 | 107-06-2 | 78-87-5 | 108-67-8 |
| | | | Units | mg/L | mg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L |
| | | | PAL | NE | NE | 0.57 | 200 | 0.076 | 5 | 2.8 | 7 | NE | 7 | 0.00075 | NE | 70 | NE | 0.2 | 0.05 | 600 | 5 | 5 | NE |
| Station | Sample ID | Date | Type | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| PMW-3 | ND40-WTRPMW-3-4Q05-A | 11/4/2005 | FS | 0.26 U[U] | 0.11 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | NA | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] |
| | ND40-WTRPMW-3-1Q06-A | 1/31/2006 | FS | 0.26 U[U] | 0.1 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | NA | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] |
| | ND40-WTRPMW-3-2Q06-A | 4/19/2006 | FS | 0.27 U[U] | 0.11 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | NA | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] |
| | ND40-WTRPMW-3-3Q06-A | 7/12/2006 | FS | NA | 0.25 UJ[UJ] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 2 U[U] | 1 U[U] | NA | 5 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] |
| | ND40-WTRPMW-3-3Q06-B | 7/12/2006 | FD | NA | 0.25 U-U | 1 U-U | 1 U-U | 1 U-U | 1 U-U | 1 U-U | 1 U-U | 1 U-U | 1 U-U | 1 U-U | 2 U-U | 1 U-U | NA | 5 U-U | 1 U-U | 1 U-U | 1 U-U | 1 U-U | 1 U-U |
| | ND40-WTRPMW-3-1Q07-A | 3/7/2007 | FS | NA | 0.25 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 2 U[U] | 1 U[U] | NA | 5 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] |
| | ND40-WTRPMW-3-4Q07-A | 10/16/2007 | FS | NA | 0.25 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 2 U[U] | 1 U[U] | NA | 5 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] |
| | ND40-WTRPMW-3-4Q07-B | 10/16/2007 | FD | NA | 0.25 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 2 U[U] | 1 U[U] | NA | 5 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] |
| | ND40-WTRPMW-3-1Q08-A | 4/9/2008 | FS | NA | 0.049 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 UJ[UJ] | 1 U[U] | 2 U[U] | 1 U[U] | NA | 5 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] |
| | ND40-WTRPMW-3-1Q08-B | 4/9/2008 | FD | NA | 0.05 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 UJ[UJ] | 1 UJ[UJ] | 2 U[U] | 1 U[U] | NA | 5 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] |
| | ND40-WTRPMW-3-1Q09-A | 4/8/2009 | FS | NA | 0.25 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 2 U[U] | 1 U[U] | NA | 5 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] |
| | ND40-WTRPMW-3-1Q09-B | 4/8/2009 | FD | NA | 0.25 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 2 U[U] | 1 U[U] | NA | 5 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] |
| | ND40-WTRPMW-3-1Q10-A | 4/13/2010 | FS | NA | 0.031 U[U] | 0.21 U[U] | 0.16 U[U] | 0.21 U[U] | 0.27 U[U] | 0.22 U[U] | 0.23 U[U] | 0.19 U[U] | 0.21 U[U] | 0.33 U[U] | 0.27 U[U] | 0.21 U[U] | NA | 0.47 U[U] | 0.18 U[U] | 0.15 U[U] | 0.13 U[U] | 0.18 U[U] | 0.16 U[U] |
| | ND40-WTRPMW-3-1Q10-B | 4/13/2010 | FD | NA | 0.031 U[U] | 0.21 U[U] | 0.16 U[U] | 0.21 U[U] | 0.27 U[U] | 0.22 U[U] | 0.23 U[U] | 0.19 U[U] | 0.21 U[U] | 0.33 U[U] | 0.27 U[U] | 0.21 U[U] | NA | 0.47 U[U] | 0.18 U[U] | 0.15 U[U] | 0.13 U[U] | 0.18 U[U] | 0.16 U[U] |
| | ND40-WTRPMW-3-2012-A | 8/8/2012 | FS | NA | 0.031 U[U] | 0.21 U[U] | 0.16 U[U] | 0.21 U[U] | 0.27 U[U] | 0.22 U[U] | 0.23 U[U] | 0.19 U[U] | 0.21 U[U] | 0.33 U[U] | 0.27 U[U] | 0.21 U[U] | NA | 0.47 U[U] | 0.18 U[U] | 0.15 U[U] | 0.13 U[U] | 0.18 U[U] | 0.16 U[U] |
| | ND40-WTRPMW-3-2012-B | 8/8/2012 | FD | NA | 0.031 U[U] | 0.21 U[U] | 0.16 U[U] | 0.21 U[U] | 0.27 U[U] | 0.22 U[U] | 0.23 U[U] | 0.19 U[U] | 0.21 U[U] | 0.33 U[U] | 0.27 U[U] | 0.21 U[U] | NA | 0.47 U[U] | 0.18 U[U] | 0.15 U[U] | 0.13 U[U] | 0.18 U[U] | 0.16 U[U] |
| | ND40-WTRPMW-3-2013-A | 5/22/2013 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | ND40-WTRPMW-3-2013-B | 5/22/2013 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | ND40-WTRPMW-3-2014-A | 5/13/2014 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | ND40-WTRPMW-3-2015-A | 5/7/2015 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | ND40-WTRPMW-3-2015-B | 5/7/2015 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | NAAD40-PMW-3-00 | 5/9/2016 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | NAAD40-PMW-3-00 | 5/4/2017 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | NAAD40-PMW3-00 | 5/24/2018 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | NAAD40-PMW3-00 | 4/30/2019 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | NAAD40-PMW3-01 | 4/30/2019 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| PMW-4 | ND40-WTRPMW-4-1Q08-A | 4/10/2008 | FS | NA | 0.054 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 UJ[UJ] | 1 U[U] | 2 U[U] | 1 U[U] | NA | 5 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] |
| | ND40-WTRPMW-4-1Q09-A | 4/8/2009 | FS | NA | 0.25 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 2 U[U] | 1 U[U] | NA | 5 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] |
| | ND40-WTRPMW-4-1Q10-A | 4/13/2010 | FS | NA | 0.032 UJ[UJ] | 0.21 U[U] | 0.16 U[U] | 0.21 U[U] | 0.27 U[U] | 0.22 U[U] | 0.23 U[U] | 0.19 U[U] | 0.21 U[U] | 0.33 U[U] | 0.27 U[U] | 0.21 U[U] | NA | 0.47 U[U] | 0.18 U[U] | 0.15 U[U] | 0.13 U[U] | 0.18 U[U] | 0.16 U[U] |
| | ND40-WTRPMW-4-2015-A | 5/7/2015 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | NAAD40-PMW-4-00 | 5/9/2016 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | NAAD40-PMW-4-00 | 5/4/2017 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | NAAD40-PMW-4-01 | 5/4/2017 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | NAAD40-PMW4-00 | 4/30/2019 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**Table H-2**
**Cumulative Analytical Data**
**NAAD-40**

| | | | Analysis Group | TPH | | VOCs | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Analyte | Petroleum Hydrocarbons (Motor oil) | Petroleum Hydrocabons (Diesel Range Organics) | 1,1,1,2-Tetrachloroethane | 1,1,1-Trichloroethane | 1,1,2,2-Tetrachloroethane | 1,1,2-Trichloroethane | 1,1-Dichloroethane | 1,1-Dichloroethene | 1,1-Dichloropropene | 1,2,3-Trichlorobenzene | 1,2,3-Trichloropropane | 1,2,3-Trimethylbenzene | 1,2,4-Trichlorobenzene | 1,2,4-Trimethylbenzene | 1,2-Dibromo-3-chloropropane | 1,2-Dibromoethane | 1,2-Dichlorobenzene | 1,2-Dichloroethane | 1,2-Dichloropropane | 1,3,5-Trimethylbenzene |
| | | | CAS No. | MotorOil | DRO | 630-20-6 | 71-55-6 | 79-34-5 | 79-00-5 | 75-34-3 | 75-35-4 | 563-58-6 | 87-61-6 | 96-18-4 | 526-73-8 | 120-82-1 | 95-63-6 | 96-12-8 | 106-93-4 | 95-50-1 | 107-06-2 | 78-87-5 | 108-67-8 |
| | | | Units | mg/L | mg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L |
| | | | PAL | NE | NE | 0.57 | 200 | 0.076 | 5 | 2.8 | 7 | NE | 7 | 0.00075 | NE | 70 | NE | 0.2 | 0.05 | 600 | 5 | 5 | NE |
| Station | Sample ID | Date | Type | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| PMW-5 | ND40-WTRPMW-5-4Q05-A | 11/3/2005 | FS | 0.28 U[U] | 0.11 U[U] | 5 UJ[UJ] | 5 UJ[UJ] | 5 UJ[UJ] | 5 UJ[UJ] | 5 UJ[UJ] | 5 UJ[UJ] | 5 UJ[UJ] | 5 UJ[UJ] | 5 UJ[UJ] | NA | 5 UJ[UJ] | 5 UJ[UJ] | 5 UJ[UJ] | 5 UJ[UJ] | 5 UJ[UJ] | 5 UJ[UJ] | 5 UJ[UJ] | 5 UJ[UJ] |
| | ND40-WTRPMW-5-1Q06-A | 1/31/2006 | FS | 0.27 U[U] | 0.11 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | NA | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] |
| | ND40-WTRPMW-5-2Q06-A | 4/19/2006 | FS | 0.27 U[U] | 0.11 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | NA | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] |
| | ND40-WTRPMW-5-3Q06-A | 7/12/2006 | FS | NA | 0.25 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 2 U[U] | 1 U[U] | NA | 5 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] |
| | ND40-WTRPMW-5-1Q07-A | 3/7/2007 | FS | NA | 0.25 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 2 U[U] | 1 U[U] | NA | 5 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] |
| | ND40-WTRPMW-5-1Q08-A | 4/9/2008 | FS | NA | 0.05 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 UJ[UJ] | 1 U[U] | 2 U[U] | 1 U[U] | NA | 5 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] |
| | ND40-WTRPMW-5-1Q09-A | 4/8/2009 | FS | NA | 0.25 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 2 U[U] | 1 U[U] | NA | 5 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] |
| | ND40-WTRPMW-5-1Q10-A | 4/13/2010 | FS | NA | 0.033 UJ[UJ] | 0.21 U[U] | 0.16 U[U] | 0.21 U[U] | 0.27 U[U] | 0.22 U[U] | 0.23 U[U] | 0.19 U[U] | 0.21 U[U] | 0.33 U[U] | 0.27 U[U] | 0.21 U[U] | NA | 0.47 U[U] | 0.18 U[U] | 0.15 U[U] | 0.13 U[U] | 0.18 U[U] | 0.16 U[U] |
| | ND40-WTRPMW-5-2012-A | 8/8/2012 | FS | NA | 0.031 U[U] | 0.21 U[U] | 0.16 U[U] | 0.21 U[U] | 0.27 U[U] | 0.22 U[U] | 0.23 U[U] | 0.19 U[U] | 0.21 U[U] | 0.33 U[U] | 0.27 U[U] | 0.21 U[U] | NA | 0.47 U[U] | 0.18 U[U] | 0.15 U[U] | 0.13 U[U] | 0.18 U[U] | 0.16 U[U] |
| | ND40-WTRPMW-5-2013-A | 5/22/2013 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | ND40-WTRPMW-5-2014-A | 5/13/2014 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | ND40-WTRPMW-5-2015-A | 5/6/2015 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | NAAD40-PMW-5-00 | 5/9/2016 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | NAAD40-PMW-5-00 | 5/4/2017 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | NAAD40-PMW5-00 | 5/24/2018 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | NAAD40-PMW5-01 | 5/24/2018 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | NAAD40-PMW5-00 | 4/30/2019 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**Table H-2**
**Cumulative Analytical Data**
**NAAD-40**

| | | | Analysis Group | VOCs | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Analyte | 1,3-Dichlorobenzene | 1,3-Dichloropropane | 1,4-Dichlorobenzene | 2,2-Dichloropropane | 2-Butanone (MEK) | 2-Chlorotoluene | 2-Hexanone | 4-Chlorotoluene | 4-Methyl-2-pentanone (MIBK) | Acetone | Benzene | Bromochloromethane | Bromoform | Bromomethane | Carbon disulfide | Carbon tetrachloride | Chlorobenzene | Chlorodibromomethane | Chloroethane | Chloroform | Chloromethane |
| | | | CAS No. | 541-73-1 | 142-28-9 | 106-46-7 | 594-20-7 | 78-93-3 | 95-49-8 | 591-78-6 | 106-43-4 | 108-10-1 | 67-64-1 | 71-43-2 | 74-97-5 | 75-25-2 | 74-83-9 | 75-15-0 | 56-23-5 | 108-90-7 | 124-48-1 | 75-00-3 | 67-66-3 | 74-87-3 |
| | | | Units | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L |
| | | | PAL | NE | NE | 75 | NE | 5600 | NE | 38 | NE | 6300 | 14000 | 5 | 83 | 3.3 | 7.5 | 810 | 5 | 100 | 0.87 | 21000 | 0.22 | 190 |
| **Station** | **Sample ID** | **Date** | **Type** | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| **FSL5** | FSL5 | 10/17/2007 | FS | 1 U[U] | 1 U[U] | 1 U[U] | 5 U[U] | 6 U[U] | 1 U[U] | 5 U[U] | 1 U[U] | 5 U[U] | 10 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 2 U[U] | 2 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 2 U[U] | 1 U[U] | 2 U[U] |
| **PMW-1** | ND40-WTRPMW-1-4Q05-A | 11/3/2005 | FS | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 UJ[UJ] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] |
| | ND40-WTRPMW-1-4Q05-B | 11/3/2005 | FD | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 UJ[UJ] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] |
| | ND40-WTRPMW-1-1Q06-A | 1/31/2006 | FS | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 UJ[UJ] | 5 U[U] | 5 U[U] |
| | ND40-WTRPMW-1-1Q06-B | 1/31/2006 | FD | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 UJ[UJ] | 5 U[U] | 5 U[U] |
| | ND40-WTRPMW-1-2Q06-A | 4/19/2006 | FS | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] |
| | ND40-WTRPMW-1-2Q06-B | 4/19/2006 | FD | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] |
| | ND40-WTRPMW-1-3Q06-A | 7/12/2006 | FS | 1 U[U] | 1 U[U] | 1 U[U] | 5 U[U] | 6 U[U] | 1 U[U] | 5 U[U] | 1 U[U] | 5 U[U] | 10 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 2 U[U] | 2 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 2 U[U] | 1 U[U] | 2 U[U] |
| | ND40-WTRPMW-1-1Q07-A | 3/7/2007 | FS | 1 U[U] | 1 U[U] | 1 U[U] | 5 U[U] | 6 U[U] | 1 U[U] | 5 U[U] | 1 U[U] | 5 U[U] | 10 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 2 U[U] | 2 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 2 U[U] | 1 U[U] | 2 U[U] |
| | ND40-WTRPMW-1-1Q07-B | 3/7/2007 | FD | 1 U[U] | 1 U[U] | 1 U[U] | 5 U[U] | 6 U[U] | 1 U[U] | 5 U[U] | 1 U[U] | 5 U[U] | 10 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 2 U[U] | 2 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 2 U[U] | 1 U[U] | 2 U[U] |
| | ND40-WTRPMW-1-4Q07-A | 10/16/2007 | FS | 1 U[U] | 1 U[U] | 1 U[U] | 5 U[U] | 6 U[U] | 1 U[U] | 5 U[U] | 1 U[U] | 5 U[U] | 10 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 2 U[U] | 2 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 2 U[U] | 1 U[U] | 2 U[U] |
| | ND40-WTRPMW-1-1Q08-A | 4/9/2008 | FS | 1 U[U] | 1 U[U] | 1 U[U] | 5 U[U] | 6 U[U] | 1 U[U] | 5 U[U] | 1 U[U] | 5 U[U] | 2.3 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 2 U[U] | 2 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 2 UJ[UJ] | 1 U[U] | 2 U[U] |
| | ND40-WTRPMW-1-1Q09-A | 4/8/2009 | FS | 1 U[U] | 1 U[U] | 1 U[U] | 5 U[U] | 6 U[U] | 1 U[U] | 5 U[U] | 1 U[U] | 5 U[U] | 10 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 2 U[U] | 2 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 2 U[U] | 1 U[U] | 2 U[U] |
| | ND40-WTRPMW-1-1Q10-A | 4/13/2010 | FS | 0.13 U[U] | 0.22 U[U] | 0.16 U[U] | 0.18 U[U] | 2 U[U] | 0.17 U[U] | 1.7 U[U] | 0.21 U[U] | 0.98 U[U] | **5.9 J[J]** | 0.16 U[U] | 0.1 U[U] | 0.19 U[U] | 0.21 U[U] | 0.53 U[U] | 0.19 U[U] | 0.17 U[U] | 0.17 U[U] | 0.41 U[U] | 0.16 U[U] | 0.3 U[U] |
| | ND40-WTRPMW-1-2012-A | 8/9/2012 | FS | 0.13 U[U] | 0.22 U[U] | 0.16 U[U] | 0.18 U[U] | 2 U[U] | 0.17 U[U] | 1.7 U[U] | 0.21 U[U] | 0.98 U[U] | 1.9 U[U] | 0.16 U[U] | 0.1 U[U] | 0.19 U[U] | 0.21 U[U] | 0.45 U[U] | 0.19 U[U] | 0.17 U[U] | 0.17 U[U] | 0.41 U[U] | 0.16 U[U] | 0.3 U[U] |
| | ND40-WTRPMW-1-2013-A | 5/22/2013 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | ND40-WTRPMW-1-2014-A | 5/13/2014 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | ND40-WTRPMW-1-2015-A | 5/6/2015 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | NAAD40-PMW-1-00 | 5/9/2016 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | NAAD40-PMW-1-00 | 5/4/2017 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | NAAD40-PMW1-00 | 5/24/2018 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | NAAD40-PMW1-00 | 5/1/2019 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| **PMW-2** | ND40-WTRPMW-2-4Q05-A | 11/4/2005 | FS | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 UJ[UJ] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] |
| | ND40-WTRPMW-2-1Q06-A | 1/31/2006 | FS | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 UJ[UJ] | 5 U[U] | 5 U[U] |
| | ND40-WTRPMW-2-2-Q06-A | 4/19/2006 | FS | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] |
| | ND40-WTRPMW-2-3Q06-A | 7/12/2006 | FS | 1 U[U] | 1 U[U] | 1 U[U] | 5 U[U] | 6 U[U] | 1 U[U] | 5 U[U] | 1 U[U] | 5 U[U] | 10 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 2 U[U] | 2 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 2 U[U] | 1 U[U] | 2 U[U] |
| | ND40-WTRPMW-2-1Q07-A | 3/7/2007 | FS | 1 U[U] | 1 U[U] | 1 U[U] | 5 U[U] | 6 U[U] | 1 U[U] | 5 U[U] | 1 U[U] | 5 U[U] | 10 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 2 U[U] | 2 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 2 U[U] | 1 U[U] | 2 U[U] |
| | ND40-WTRPMW-2-4Q07-A | 10/16/2007 | FS | 1 U[U] | 1 U[U] | 1 U[U] | 5 U[U] | 6 U[U] | 1 U[U] | 5 U[U] | 1 U[U] | 5 U[U] | 10 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 2 U[U] | 2 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 2 U[U] | 1 U[U] | 2 U[U] |
| | ND40-WTRPMW-2-1Q08-A | 4/9/2008 | FS | 1 U[U] | 1 U[U] | 1 U[U] | 5 U[U] | 6 U[U] | 1 U[U] | 5 U[U] | 1 U[U] | 5 U[U] | 3.3 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 2 U[U] | 2 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 2 UJ[UJ] | 1 U[U] | 2 U[U] |
| | ND40-WTRPMW-2-1Q09-A | 4/8/2009 | FS | 1 U[U] | 1 U[U] | 1 U[U] | 5 U[U] | 6 U[U] | 1 U[U] | 5 U[U] | 1 U[U] | 5 U[U] | 3.7 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 2 U[U] | 2 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 2 U[U] | 1 U[U] | 2 U[U] |
| | ND40-WTRPMW-2-1Q10-A | 4/13/2010 | FS | 0.13 U[U] | 0.22 U[U] | 0.16 U[U] | 0.18 U[U] | 2 U[U] | 0.17 U[U] | 1.7 U[U] | 0.21 U[U] | 0.98 U[U] | 1.9 U[U] | 0.16 U[U] | 0.1 U[U] | 0.19 U[U] | 0.21 U[U] | 0.45 U[U] | 0.19 U[U] | 0.17 U[U] | 0.17 U[U] | 0.41 U[U] | 0.16 U[U] | 0.3 U[U] |
| | ND40-WTRPMW-2-2012-A | 8/8/2012 | FS | 0.13 U[U] | 0.22 U[U] | 0.16 U[U] | 0.18 U[U] | 2 U[U] | 0.17 U[U] | 1.7 U[U] | 0.21 U[U] | 0.98 U[U] | 1.9 U[U] | 0.16 U[U] | 0.1 U[U] | 0.19 U[U] | 0.21 U[U] | 0.45 U[U] | 0.19 U[U] | 0.17 U[U] | 0.17 U[U] | 0.41 U[U] | 0.16 U[U] | 0.3 U[U] |
| | ND40-WTRPMW-2-2013-A | 5/22/2013 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | ND40-WTRPMW-2-2014-A | 5/13/2014 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | ND40-WTRPMW-2-2014-B | 5/13/2014 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | ND40-WTRPMW-2-2015-A | 5/7/2015 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | NAAD40-PMW-2-00 | 5/9/2016 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | NAAD40-PMW-2-01 | 5/9/2016 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | NAAD40-PMW-2-00 | 5/3/2017 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | NAAD40-PMW2-00 | 5/23/2018 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | NAAD40-PMW2-00 | 4/30/2019 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**Table H-2**
**Cumulative Analytical Data**
**NAAD-40**

| | | | Analysis Group | VOCs | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Analyte | 1,3-Dichlorobenzene | 1,3-Dichloropropane | 1,4-Dichlorobenzene | 2,2-Dichloropropane | 2-Butanone (MEK) | 2-Chlorotoluene | 2-Hexanone | 4-Chlorotoluene | 4-Methyl-2-pentanone (MIBK) | Acetone | Benzene | Bromochloromethane | Bromoform | Bromomethane | Carbon disulfide | Carbon tetrachloride | Chlorobenzene | Chlorodibromomethane | Chloroethane | Chloroform | Chloromethane |
| | | | CAS No. | 541-73-1 | 142-28-9 | 106-46-7 | 594-20-7 | 78-93-3 | 95-49-8 | 591-78-6 | 106-43-4 | 108-10-1 | 67-64-1 | 71-43-2 | 74-97-5 | 75-25-2 | 74-83-9 | 75-15-0 | 56-23-5 | 108-90-7 | 124-48-1 | 75-00-3 | 67-66-3 | 74-87-3 |
| | | | Units | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L |
| | | | PAL | NE | NE | 75 | NE | 5600 | NE | 38 | NE | 6300 | 14000 | 5 | 83 | 3.3 | 7.5 | 810 | 5 | 100 | 0.87 | 21000 | 0.22 | 190 |
| Station | Sample ID | Date | Type | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| PMW-3 | ND40-WTRPMW-3-4Q05-A | 11/4/2005 | FS | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 UJ[UJ] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] |
| | ND40-WTRPMW-3-1Q06-A | 1/31/2006 | FS | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 UJ[UJ] | 5 U[U] | 5 U[U] |
| | ND40-WTRPMW-3-2Q06-A | 4/19/2006 | FS | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] |
| | ND40-WTRPMW-3-3Q06-A | 7/12/2006 | FS | 1 U[U] | 1 U[U] | 1 U[U] | 5 U[U] | 6 U[U] | 1 U[U] | 5 U[U] | 1 U[U] | 5 U[U] | 10 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 2 U[U] | 2 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 2 U[U] | 1 U[U] | 2 U[U] |
| | ND40-WTRPMW-3-3Q06-B | 7/12/2006 | FD | 1 U-U | 1 U-U | 1 U-U | 5 U-U | 6 U-U | 1 U-U | 5 U-U | 1 U-U | 5 U-U | 10 U-U | 1 U-U | 1 U-U | 1 U-U | 2 U-U | 2 U-U | 1 U-U | 1 U-U | 1 U-U | 2 U-U | 1 U-U | 2 U-U |
| | ND40-WTRPMW-3-1Q07-A | 3/7/2007 | FS | 1 U[U] | 1 U[U] | 1 U[U] | 5 U[U] | 6 U[U] | 1 U[U] | 5 U[U] | 1 U[U] | 5 U[U] | 10 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 2 U[U] | 2 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 2 U[U] | 1 U[U] | 2 U[U] |
| | ND40-WTRPMW-3-4Q07-A | 10/16/2007 | FS | 1 U[U] | 1 U[U] | 1 U[U] | 5 U[U] | 6 U[U] | 1 U[U] | 5 U[U] | 1 U[U] | 5 U[U] | 10 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 2 U[U] | 2 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 2 U[U] | 1 U[U] | 2 U[U] |
| | ND40-WTRPMW-3-4Q07-B | 10/16/2007 | FD | 1 U[U] | 1 U[U] | 1 U[U] | 5 U[U] | 6 U[U] | 1 U[U] | 5 U[U] | 1 U[U] | 5 U[U] | 10 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 2 U[U] | 2 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 2 U[U] | 1 U[U] | 2 U[U] |
| | ND40-WTRPMW-3-1Q08-A | 4/9/2008 | FS | 1 U[U] | 1 U[U] | 1 U[U] | 5 U[U] | 6 U[U] | 1 U[U] | 5 U[U] | 1 U[U] | 5 U[U] | 10 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 2 U[U] | 2 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 2 UJ[UJ] | 1 U[U] | 2 U[U] |
| | ND40-WTRPMW-3-1Q08-B | 4/9/2008 | FD | 1 U[U] | 1 U[U] | 1 U[U] | 5 U[U] | 6 U[U] | 1 U[U] | 5 U[U] | 1 U[U] | 5 U[U] | 10 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 2 U[U] | 2 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 2 UJ[UJ] | 1 U[U] | 2 U[U] |
| | ND40-WTRPMW-3-1Q09-A | 4/8/2009 | FS | 1 U[U] | 1 U[U] | 1 U[U] | 5 U[U] | 6 U[U] | 1 U[U] | 5 U[U] | 1 U[U] | 5 U[U] | 10 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 2 U[U] | 2 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 2 U[U] | 1 U[U] | 2 U[U] |
| | ND40-WTRPMW-3-1Q09-B | 4/8/2009 | FD | 1 U[U] | 1 U[U] | 1 U[U] | 5 U[U] | 6 U[U] | 1 U[U] | 5 U[U] | 1 U[U] | 5 U[U] | 10 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 2 U[U] | 2 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 2 U[U] | 1 U[U] | 2 U[U] |
| | ND40-WTRPMW-3-1Q10-A | 4/13/2010 | FS | 0.13 U[U] | 0.22 U[U] | 0.16 U[U] | 0.18 U[U] | 2 U[U] | 0.17 U[U] | 1.7 U[U] | 0.21 U[U] | 0.98 U[U] | 1.9 U[U] | 0.16 U[U] | 0.1 U[U] | 0.19 U[U] | 0.21 U[U] | 0.45 U[U] | 0.19 U[U] | 0.17 U[U] | 0.17 U[U] | 0.41 U[U] | 0.16 U[U] | 0.3 U[U] |
| | ND40-WTRPMW-3-1Q10-B | 4/13/2010 | FD | 0.13 U[U] | 0.22 U[U] | 0.16 U[U] | 0.18 U[U] | 2 U[U] | 0.17 U[U] | 1.7 U[U] | 0.21 U[U] | 0.98 U[U] | 1.9 U[U] | 0.16 U[U] | 0.1 U[U] | 0.19 U[U] | 0.21 U[U] | 0.45 U[U] | 0.19 U[U] | 0.17 U[U] | 0.17 U[U] | 0.41 U[U] | 0.16 U[U] | 0.3 U[U] |
| | ND40-WTRPMW-3-2012-A | 8/8/2012 | FS | 0.13 U[U] | 0.22 U[U] | 0.16 U[U] | 0.18 U[U] | 2 U[U] | 0.17 U[U] | 1.7 U[U] | 0.21 U[U] | 0.98 U[U] | 1.9 U[U] | 0.16 U[U] | 0.1 U[U] | 0.19 U[U] | 0.21 U[U] | 0.45 U[U] | 0.19 U[U] | 0.17 U[U] | 0.17 U[U] | 0.41 U[U] | 0.16 U[U] | 0.3 U[U] |
| | ND40-WTRPMW-3-2012-B | 8/8/2012 | FD | 0.13 U[U] | 0.22 U[U] | 0.16 U[U] | 0.18 U[U] | 2 U[U] | 0.17 U[U] | 1.7 U[U] | 0.21 U[U] | 0.98 U[U] | 1.9 U[U] | 0.16 U[U] | 0.1 U[U] | 0.19 U[U] | 0.21 U[U] | 0.45 U[U] | 0.19 U[U] | 0.17 U[U] | 0.17 U[U] | 0.41 U[U] | 0.16 U[U] | 0.3 U[U] |
| | ND40-WTRPMW-3-2013-A | 5/22/2013 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | ND40-WTRPMW-3-2013-B | 5/22/2013 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | ND40-WTRPMW-3-2014-A | 5/13/2014 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | ND40-WTRPMW-3-2015-A | 5/7/2015 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | ND40-WTRPMW-3-2015-B | 5/7/2015 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | NAAD40-PMW-3-00 | 5/9/2016 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | NAAD40-PMW-3-00 | 5/4/2017 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | NAAD40-PMW3-00 | 5/24/2018 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | NAAD40-PMW3-00 | 4/30/2019 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | NAAD40-PMW3-01 | 4/30/2019 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| PMW-4 | ND40-WTRPMW-4-1Q08-A | 4/10/2008 | FS | 1 U[U] | 1 U[U] | 1 U[U] | 5 U[U] | 6 U[U] | 1 U[U] | 5 U[U] | 1 U[U] | 5 U[U] | 2.3 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 2 U[U] | **2.7** | 1 U[U] | 1 U[U] | 1 U[U] | 2 UJ[UJ] | 1 U[U] | 2 U[U] |
| | ND40-WTRPMW-4-1Q09-A | 4/8/2009 | FS | 1 U[U] | 1 U[U] | 1 U[U] | 5 U[U] | 6 U[U] | 1 U[U] | 5 U[U] | 1 U[U] | 5 U[U] | 10 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 2 U[U] | 2 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 2 U[U] | 1 U[U] | 2 U[U] |
| | ND40-WTRPMW-4-1Q10-A | 4/13/2010 | FS | 0.13 U[U] | 0.22 U[U] | 0.16 U[U] | 0.18 U[U] | 2 U[U] | 0.17 U[U] | 1.7 U[U] | 0.21 U[U] | 0.98 U[U] | 1.9 U[U] | 0.16 U[U] | 0.1 U[U] | 0.19 U[U] | 0.21 U[U] | 0.45 U[U] | 0.19 U[U] | 0.17 U[U] | 0.17 U[U] | 0.41 U[U] | 0.16 U[U] | 0.3 U[U] |
| | ND40-WTRPMW-4-2015-A | 5/7/2015 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | NAAD40-PMW-4-00 | 5/9/2016 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | NAAD40-PMW-4-00 | 5/4/2017 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | NAAD40-PMW-4-01 | 5/4/2017 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | NAAD40-PMW4-00 | 4/30/2019 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**Table H-2**
**Cumulative Analytical Data**
**NAAD-40**

| | | | Analysis Group | VOCs | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Analyte | 1,3-Dichlorobenzene | 1,3-Dichloropropane | 1,4-Dichlorobenzene | 2,2-Dichloropropane | 2-Butanone (MEK) | 2-Chlorotoluene | 2-Hexanone | 4-Chlorotoluene | 4-Methyl-2-pentanone (MIBK) | Acetone | Benzene | Bromochloromethane | Bromoform | Bromomethane | Carbon disulfide | Carbon tetrachloride | Chlorobenzene | Chlorodibromomethane | Chloroethane | Chloroform | Chloromethane |
| | | | CAS No. | 541-73-1 | 142-28-9 | 106-46-7 | 594-20-7 | 78-93-3 | 95-49-8 | 591-78-6 | 106-43-4 | 108-10-1 | 67-64-1 | 71-43-2 | 74-97-5 | 75-25-2 | 74-83-9 | 75-15-0 | 56-23-5 | 108-90-7 | 124-48-1 | 75-00-3 | 67-66-3 | 74-87-3 |
| | | | Units | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L |
| | | | PAL | NE | NE | 75 | NE | 5600 | NE | 38 | NE | 6300 | 14000 | 5 | 83 | 3.3 | 7.5 | 810 | 5 | 100 | 0.87 | 21000 | 0.22 | 190 |
| Station | Sample ID | Date | Type | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| PMW-5 | ND40-WTRPMW-5-4Q05-A | 11/3/2005 | FS | 5 UJ[UJ] | 5 UJ[UJ] | 5 UJ[UJ] | 5 UJ[UJ] | 5 UJ[UJ] | 5 UJ[UJ] | 5 UJ[UJ] | 5 UJ[UJ] | 5 UJ[UJ] | 5 UJ[UJ] | 5 UJ[UJ] | 5 UJ[UJ] | 5 UJ[UJ] | 5 UJ[UJ] | 5 UJ[UJ] | 5 UJ[UJ] | 5 UJ[UJ] | 5 UJ[UJ] | 5 UJ[UJ] | 5 UJ[UJ] | 5 UJ[UJ] |
| | ND40-WTRPMW-5-1Q06-A | 1/31/2006 | FS | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 UJ[UJ] | 5 U[U] | 5 U[U] |
| | ND40-WTRPMW-5-2Q06-A | 4/19/2006 | FS | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] |
| | ND40-WTRPMW-5-3Q06-A | 7/12/2006 | FS | 1 U[U] | 1 U[U] | 1 U[U] | 5 U[U] | 6 U[U] | 1 U[U] | 5 U[U] | 1 U[U] | 5 U[U] | 10 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 2 U[U] | 2 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 2 U[U] | 1 U[U] | 2 U[U] |
| | ND40-WTRPMW-5-1Q07-A | 3/7/2007 | FS | 1 U[U] | 1 U[U] | 1 U[U] | 5 U[U] | 6 U[U] | 1 U[U] | 5 U[U] | 1 U[U] | 5 U[U] | 10 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 2 U[U] | 2 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 2 U[U] | 1 U[U] | 2 U[U] |
| | ND40-WTRPMW-5-1Q08-A | 4/9/2008 | FS | 1 U[U] | 1 U[U] | 1 U[U] | 5 U[U] | 6 U[U] | 1 U[U] | 5 U[U] | 1 U[U] | 5 U[U] | 10 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 2 U[U] | 2 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 2 UJ[UJ] | 1 U[U] | 2 U[U] |
| | ND40-WTRPMW-5-1Q09-A | 4/8/2009 | FS | 1 U[U] | 1 U[U] | 1 U[U] | 5 U[U] | 6 U[U] | 1 U[U] | 5 U[U] | 1 U[U] | 5 U[U] | 10 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 2 U[U] | 2 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 2 U[U] | 1 U[U] | 2 U[U] |
| | ND40-WTRPMW-5-1Q10-A | 4/13/2010 | FS | 0.13 U[U] | 0.22 U[U] | 0.16 U[U] | 0.18 U[U] | 2 U[U] | 0.17 U[U] | 1.7 U[U] | 0.21 U[U] | 0.98 U[U] | 1.9 U[U] | 0.16 U[U] | 0.1 U[U] | 0.19 U[U] | 0.21 U[U] | 0.45 U[U] | 0.19 U[U] | 0.17 U[U] | 0.17 U[U] | 0.41 U[U] | 0.16 U[U] | 0.3 U[U] |
| | ND40-WTRPMW-5-2012-A | 8/8/2012 | FS | 0.13 U[U] | 0.22 U[U] | 0.16 U[U] | 0.18 U[U] | 2 U[U] | 0.17 U[U] | 1.7 U[U] | 0.21 U[U] | 0.98 U[U] | 1.9 U[U] | 0.16 U[U] | 0.1 U[U] | 0.19 U[U] | 0.21 U[U] | 0.45 U[U] | 0.19 U[U] | 0.17 U[U] | 0.17 U[U] | 0.41 U[U] | 0.16 U[U] | 0.3 U[U] |
| | ND40-WTRPMW-5-2013-A | 5/22/2013 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | ND40-WTRPMW-5-2014-A | 5/13/2014 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | ND40-WTRPMW-5-2015-A | 5/6/2015 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | NAAD40-PMW-5-00 | 5/9/2016 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | NAAD40-PMW-5-00 | 5/4/2017 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | NAAD40-PMW5-00 | 5/24/2018 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | NAAD40-PMW5-01 | 5/24/2018 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | NAAD40-PMW5-00 | 4/30/2019 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**Table H-2**
**Cumulative Analytical Data**
**NAAD-40**

| | | | Analysis Group | VOCs | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Analyte | cis-1,2-Dichloroethene | cis-1,3-Dichloropropene | Dibromomethane | Dichlorobromomethane | Dichlorodifluoromethane | Ethylbenzene | Hexachlorobutadiene | Iodomethane | Isopropylbenzene | Methyl tert-butyl ether | Methylene chloride | m-Xylene & p-Xylene | Naphthalene | n-Butylbenzene | n-Propylbenzene | o-Xylene | p-Cymene (Isopropyltoluene) | sec-Butylbenzene | Styrene | tert-Butylbenzene |
| | | | CAS No. | 156-59-2 | 10061-01-5 | 74-95-3 | 75-27-4 | 75-71-8 | 100-41-4 | 87-68-3 | 74-88-4 | 98-82-8 | 1634-04-4 | 75-09-2 | 179601-23-1 | 91-20-3 | 104-51-8 | 103-65-1 | 95-47-6 | 99-87-6 | 135-98-8 | 100-42-5 | 98-06-6 |
| | | | Units | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L |
| | | | PAL | 70 | 0.47 | 8.3 | 0.13 | 200 | 700 | 0.14 | NE | 450 | 14 | 5 | 190 | 0.17 | NE | NE | 190 | NE | NE | 100 | NE |
| Station | Sample ID | Date | Type | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| FSL5 | FSL5 | 10/17/2007 | FS | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 2 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 5 U[U] | 5 U[U] | 2 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] |
| PMW-1 | ND40-WTRPMW-1-4Q05-A | 11/3/2005 | FS | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 UJ[UJ] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] |
| | ND40-WTRPMW-1-4Q05-B | 11/3/2005 | FD | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 1 U[U] | 5 UJ[UJ] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 1.4 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] |
| | ND40-WTRPMW-1-1Q06-A | 1/31/2006 | FS | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 UJ[UJ] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 UJ[UJ] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] |
| | ND40-WTRPMW-1-1Q06-B | 1/31/2006 | FD | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 UJ[UJ] | 5 U[U] | 5 UJ[UJ] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 UJ[UJ] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] |
| | ND40-WTRPMW-1-2Q06-A | 4/19/2006 | FS | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] |
| | ND40-WTRPMW-1-2Q06-B | 4/19/2006 | FD | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] |
| | ND40-WTRPMW-1-3Q06-A | 7/12/2006 | FS | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 2 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 5 U[U] | 5 U[U] | 2 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] |
| | ND40-WTRPMW-1-1Q07-A | 3/7/2007 | FS | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 2 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 5 U[U] | 5 U[U] | 2 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] |
| | ND40-WTRPMW-1-1Q07-B | 3/7/2007 | FD | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 2 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 5 U[U] | 5 U[U] | 2 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] |
| | ND40-WTRPMW-1-4Q07-A | 10/16/2007 | FS | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 2 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 5 U[U] | 5 U[U] | 2 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] |
| | ND40-WTRPMW-1-1Q08-A | 4/9/2008 | FS | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 2 U[U] | 1 U[U] | 1 UJ[UJ] | 1 UJ[UJ] | 1 U[U] | 5 U[U] | 0.36 U[U] | 2 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] |
| | ND40-WTRPMW-1-1Q09-A | 4/8/2009 | FS | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 2 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 5 U[U] | 5 U[U] | 2 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] |
| | ND40-WTRPMW-1-1Q10-A | 4/13/2010 | FS | 0.15 U[U] | 0.16 U[U] | 0.17 U[U] | 0.17 U[U] | 0.31 U[U] | 0.16 U[U] | 0.12 U[U] | 0.23 U[U] | 0.19 U[U] | 0.25 U[U] | 0.32 U[U] | 0.34 U[U] | 0.22 U[U] | 0.14 U[U] | 0.16 U[U] | 0.19 U[U] | 0.2 U[U] | 0.17 U[U] | 0.17 U[U] | 0.16 U[U] |
| | ND40-WTRPMW-1-2012-A | 8/9/2012 | FS | 0.15 U[U] | 0.16 U[U] | 0.17 U[U] | 0.17 U[U] | 0.31 U[U] | 0.16 U[U] | 0.36 U[U] | 0.23 U[U] | 0.19 U[U] | 0.25 U[U] | 0.32 U[U] | 0.34 U[U] | 0.22 U[U] | 0.32 U[U] | 0.16 U[U] | 0.19 U[U] | 0.2 U[U] | 0.17 U[U] | 0.17 U[U] | 0.16 U[U] |
| | ND40-WTRPMW-1-2013-A | 5/22/2013 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | ND40-WTRPMW-1-2014-A | 5/13/2014 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | ND40-WTRPMW-1-2015-A | 5/6/2015 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | NAAD40-PMW-1-00 | 5/9/2016 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | NAAD40-PMW-1-00 | 5/4/2017 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | NAAD40-PMW1-00 | 5/24/2018 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | NAAD40-PMW1-00 | 5/1/2019 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| PMW-2 | ND40-WTRPMW-2-4Q05-A | 11/4/2005 | FS | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 UJ[UJ] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] |
| | ND40-WTRPMW-2-1Q06-A | 1/31/2006 | FS | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 UJ[UJ] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] |
| | ND40-WTRPMW-2-2-Q06-A | 4/19/2006 | FS | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] |
| | ND40-WTRPMW-2-3Q06-A | 7/12/2006 | FS | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 2 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 5 U[U] | 5 U[U] | 2 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] |
| | ND40-WTRPMW-2-1Q07-A | 3/7/2007 | FS | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 2 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 5 U[U] | 5 U[U] | 2 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] |
| | ND40-WTRPMW-2-4Q07-A | 10/16/2007 | FS | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 2 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 5 U[U] | 5 U[U] | 2 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] |
| | ND40-WTRPMW-2-1Q08-A | 4/9/2008 | FS | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 2 U[U] | 1 U[U] | 1 UJ[UJ] | 1 UJ[UJ] | 1 U[U] | 5 U[U] | 0.39 U[U] | 2 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] |
| | ND40-WTRPMW-2-1Q09-A | 4/8/2009 | FS | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 2 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 5 U[U] | 5 U[U] | 2 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] |
| | ND40-WTRPMW-2-1Q10-A | 4/13/2010 | FS | 0.15 U[U] | 0.16 U[U] | 0.17 U[U] | 0.17 U[U] | 0.31 U[U] | 0.16 U[U] | 0.12 U[U] | 0.23 U[U] | 0.19 U[U] | 0.25 U[U] | 0.32 U[U] | 0.34 U[U] | 0.22 U[U] | 0.14 U[U] | 0.16 U[U] | 0.19 U[U] | 0.2 U[U] | 0.17 U[U] | 0.17 U[U] | 0.16 U[U] |
| | ND40-WTRPMW-2-2012-A | 8/8/2012 | FS | 0.15 U[U] | 0.16 U[U] | 0.17 U[U] | 0.17 U[U] | 0.31 U[U] | 0.16 U[U] | 0.36 U[U] | 0.23 U[U] | 0.19 U[U] | 0.25 U[U] | 0.32 U[U] | 0.34 U[U] | 0.22 U[U] | 0.32 U[U] | 0.16 U[U] | 0.19 U[U] | 0.2 U[U] | 0.17 U[U] | 0.17 U[U] | 0.16 U[U] |
| | ND40-WTRPMW-2-2013-A | 5/22/2013 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | ND40-WTRPMW-2-2014-A | 5/13/2014 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | ND40-WTRPMW-2-2014-B | 5/13/2014 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | ND40-WTRPMW-2-2015-A | 5/7/2015 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | NAAD40-PMW-2-00 | 5/9/2016 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | NAAD40-PMW-2-01 | 5/9/2016 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | NAAD40-PMW-2-00 | 5/3/2017 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | NAAD40-PMW2-00 | 5/23/2018 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | NAAD40-PMW2-00 | 4/30/2019 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**Table H-2**
**Cumulative Analytical Data**
**NAAD-40**

| | | | Analysis Group | VOCs | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Analyte | cis-1,2-Dichloroethene | cis-1,3-Dichloropropene | Dibromomethane | Dichlorobromomethane | Dichlorodifluoromethane | Ethylbenzene | Hexachlorobutadiene | Iodomethane | Isopropylbenzene | Methyl tert-butyl ether | Methylene chloride | m-Xylene & p-Xylene | Naphthalene | n-Butylbenzene | n-Propylbenzene | o-Xylene | p-Cymene (Isopropyltoluene) | sec-Butylbenzene | Styrene | tert-Butylbenzene |
| | | | CAS No. | 156-59-2 | 10061-01-5 | 74-95-3 | 75-27-4 | 75-71-8 | 100-41-4 | 87-68-3 | 74-88-4 | 98-82-8 | 1634-04-4 | 75-09-2 | 179601-23-1 | 91-20-3 | 104-51-8 | 103-65-1 | 95-47-6 | 99-87-6 | 135-98-8 | 100-42-5 | 98-06-6 |
| | | | Units | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L |
| | | | PAL | 70 | 0.47 | 8.3 | 0.13 | 200 | 700 | 0.14 | NE | 450 | 14 | 5 | 190 | 0.17 | NE | NE | 190 | NE | NE | 100 | NE |
| Station | Sample ID | Date | Type | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| PMW-3 | ND40-WTRPMW-3-4Q05-A | 11/4/2005 | FS | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 UJ[UJ] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] |
| | ND40-WTRPMW-3-1Q06-A | 1/31/2006 | FS | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 UJ[UJ] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] |
| | ND40-WTRPMW-3-2Q06-A | 4/19/2006 | FS | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] |
| | ND40-WTRPMW-3-3Q06-A | 7/12/2006 | FS | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 2 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 5 U[U] | 5 U[U] | 2 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] |
| | ND40-WTRPMW-3-3Q06-B | 7/12/2006 | FD | 1 U-U | 1 U-U | 1 U-U | 1 U-U | 2 U-U | 1 U-U | 1 U-U | 1 U-U | 1 U-U | 5 U-U | 5 U-U | 2 U-U | 1 U-U | 1 U-U | 1 U-U | 1 U-U | 1 U-U | 1 U-U | 1 U-U | 1 U-U |
| | ND40-WTRPMW-3-1Q07-A | 3/7/2007 | FS | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 2 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 5 U[U] | 5 U[U] | 2 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] |
| | ND40-WTRPMW-3-4Q07-A | 10/16/2007 | FS | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 2 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 5 U[U] | 5 U[U] | 2 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] |
| | ND40-WTRPMW-3-4Q07-B | 10/16/2007 | FD | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 2 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 5 U[U] | 5 U[U] | 2 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] |
| | ND40-WTRPMW-3-1Q08-A | 4/9/2008 | FS | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 2 U[U] | 1 U[U] | 1 UJ[UJ] | 1 UJ[UJ] | 1 U[U] | 5 U[U] | 0.35 U[U] | 2 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] |
| | ND40-WTRPMW-3-1Q08-B | 4/9/2008 | FD | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 2 U[U] | 1 U[U] | 1 UJ[UJ] | 1 UJ[UJ] | 1 U[U] | 5 U[U] | 0.35 U[U] | 2 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] |
| | ND40-WTRPMW-3-1Q09-A | 4/8/2009 | FS | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 2 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 5 U[U] | 5 U[U] | 2 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] |
| | ND40-WTRPMW-3-1Q09-B | 4/8/2009 | FD | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 2 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 5 U[U] | 5 U[U] | 2 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] |
| | ND40-WTRPMW-3-1Q10-A | 4/13/2010 | FS | 0.15 U[U] | 0.16 U[U] | 0.17 U[U] | 0.17 U[U] | 0.31 U[U] | 0.16 U[U] | 0.12 U[U] | 0.23 U[U] | 0.19 U[U] | 0.25 U[U] | 0.32 U[U] | 0.34 U[U] | 0.22 U[U] | 0.14 U[U] | 0.16 U[U] | 0.19 U[U] | 0.2 U[U] | 0.17 U[U] | 0.17 U[U] | 0.16 U[U] |
| | ND40-WTRPMW-3-1Q10-B | 4/13/2010 | FD | 0.15 U[U] | 0.16 U[U] | 0.17 U[U] | 0.17 U[U] | 0.31 U[U] | 0.16 U[U] | 0.12 U[U] | 0.23 U[U] | 0.19 U[U] | 0.25 U[U] | 0.32 U[U] | 0.34 U[U] | 0.22 U[U] | 0.14 U[U] | 0.16 U[U] | 0.19 U[U] | 0.2 U[U] | 0.17 U[U] | 0.17 U[U] | 0.16 U[U] |
| | ND40-WTRPMW-3-2012-A | 8/8/2012 | FS | 0.15 U[U] | 0.16 U[U] | 0.17 U[U] | 0.17 U[U] | 0.31 U[U] | 0.16 U[U] | 0.36 U[U] | 0.23 U[U] | 0.19 U[U] | 0.25 U[U] | 0.32 U[U] | 0.34 U[U] | 0.22 U[U] | 0.32 U[U] | 0.16 U[U] | 0.19 U[U] | 0.2 U[U] | 0.17 U[U] | 0.17 U[U] | 0.16 U[U] |
| | ND40-WTRPMW-3-2012-B | 8/8/2012 | FD | 0.15 U[U] | 0.16 U[U] | 0.17 U[U] | 0.17 U[U] | 0.31 U[U] | 0.16 U[U] | 0.36 U[U] | 0.23 U[U] | 0.19 U[U] | 0.25 U[U] | 0.32 U[U] | 0.34 U[U] | 0.22 U[U] | 0.32 U[U] | 0.16 U[U] | 0.19 U[U] | 0.2 U[U] | 0.17 U[U] | 0.17 U[U] | 0.16 U[U] |
| | ND40-WTRPMW-3-2013-A | 5/22/2013 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | ND40-WTRPMW-3-2013-B | 5/22/2013 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | ND40-WTRPMW-3-2014-A | 5/13/2014 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | ND40-WTRPMW-3-2015-A | 5/7/2015 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | ND40-WTRPMW-3-2015-B | 5/7/2015 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | NAAD40-PMW-3-00 | 5/9/2016 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | NAAD40-PMW-3-00 | 5/4/2017 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | NAAD40-PMW3-00 | 5/24/2018 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | NAAD40-PMW3-00 | 4/30/2019 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | NAAD40-PMW3-01 | 4/30/2019 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| PMW-4 | ND40-WTRPMW-4-1Q08-A | 4/10/2008 | FS | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 2 U[U] | 1 U[U] | 1 UJ[UJ] | 1 UJ[UJ] | 1 U[U] | 5 U[U] | 0.41 U[U] | 2 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] |
| | ND40-WTRPMW-4-1Q09-A | 4/8/2009 | FS | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 2 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 5 U[U] | 5 U[U] | 2 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] |
| | ND40-WTRPMW-4-1Q10-A | 4/13/2010 | FS | 0.15 U[U] | 0.16 U[U] | 0.17 U[U] | 0.17 U[U] | 0.31 U[U] | 0.16 U[U] | 0.12 U[U] | 0.23 U[U] | 0.19 U[U] | 0.25 U[U] | 0.32 U[U] | 0.34 U[U] | 0.22 U[U] | 0.14 U[U] | 0.16 U[U] | 0.19 U[U] | 0.2 U[U] | 0.17 U[U] | 0.17 U[U] | 0.16 U[U] |
| | ND40-WTRPMW-4-2015-A | 5/7/2015 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | NAAD40-PMW-4-00 | 5/9/2016 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | NAAD40-PMW-4-00 | 5/4/2017 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | NAAD40-PMW-4-01 | 5/4/2017 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | NAAD40-PMW4-00 | 4/30/2019 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**Table H-2**
**Cumulative Analytical Data**
**NAAD-40**

| | | | Analysis Group | VOCs | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Analyte | cis-1,2-Dichloroethene | cis-1,3-Dichloropropene | Dibromomethane | Dichlorobromomethane | Dichlorodifluoromethane | Ethylbenzene | Hexachlorobutadiene | Iodomethane | Isopropylbenzene | Methyl tert-butyl ether | Methylene chloride | m-Xylene & p-Xylene | Naphthalene | n-Butylbenzene | n-Propylbenzene | o-Xylene | p-Cymene (Isopropyltoluene) | sec-Butylbenzene | Styrene | tert-Butylbenzene |
| | | | CAS No. | 156-59-2 | 10061-01-5 | 74-95-3 | 75-27-4 | 75-71-8 | 100-41-4 | 87-68-3 | 74-88-4 | 98-82-8 | 1634-04-4 | 75-09-2 | 179601-23-1 | 91-20-3 | 104-51-8 | 103-65-1 | 95-47-6 | 99-87-6 | 135-98-8 | 100-42-5 | 98-06-6 |
| | | | Units | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L |
| | | | PAL | 70 | 0.47 | 8.3 | 0.13 | 200 | 700 | 0.14 | NE | 450 | 14 | 5 | 190 | 0.17 | NE | NE | 190 | NE | NE | 100 | NE |
| Station | Sample ID | Date | Type | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| PMW-5 | ND40-WTRPMW-5-4Q05-A | 11/3/2005 | FS | 5 UJ[UJ] | 5 UJ[UJ] | 5 UJ[UJ] | 5 UJ[UJ] | 5 UJ[UJ] | 5 UJ[UJ] | 5 UJ[UJ] | 5 UJ[UJ] | 5 UJ[UJ] | 5 UJ[UJ] | 5 UJ[UJ] | 5 UJ[UJ] | 5 UJ[UJ] | 5 UJ[UJ] | 5 UJ[UJ] | 5 UJ[UJ] | 5 UJ[UJ] | 5 UJ[UJ] | 5 UJ[UJ] | 5 UJ[UJ] |
| | ND40-WTRPMW-5-1Q06-A | 1/31/2006 | FS | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 UJ[UJ] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] |
| | ND40-WTRPMW-5-2Q06-A | 4/19/2006 | FS | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] |
| | ND40-WTRPMW-5-3Q06-A | 7/12/2006 | FS | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 2 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 5 U[U] | 5 U[U] | 2 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] |
| | ND40-WTRPMW-5-1Q07-A | 3/7/2007 | FS | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 2 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 5 U[U] | 5 U[U] | 2 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] |
| | ND40-WTRPMW-5-1Q08-A | 4/9/2008 | FS | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 2 U[U] | 1 U[U] | 1 UJ[UJ] | 1 UJ[UJ] | 1 U[U] | 5 U[U] | 0.37 U[U] | 2 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] |
| | ND40-WTRPMW-5-1Q09-A | 4/8/2009 | FS | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 2 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 5 U[U] | 5 U[U] | 2 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] | 1 U[U] |
| | ND40-WTRPMW-5-1Q10-A | 4/13/2010 | FS | 0.15 U[U] | 0.16 U[U] | 0.17 U[U] | 0.17 U[U] | 0.31 U[U] | 0.16 U[U] | 0.12 U[U] | 0.23 U[U] | 0.19 U[U] | 0.25 U[U] | 0.32 U[U] | 0.34 U[U] | 0.22 U[U] | 0.14 U[U] | 0.16 U[U] | 0.19 U[U] | 0.2 U[U] | 0.17 U[U] | 0.17 U[U] | 0.16 U[U] |
| | ND40-WTRPMW-5-2012-A | 8/8/2012 | FS | 0.15 U[U] | 0.16 U[U] | 0.17 U[U] | 0.17 U[U] | 0.31 U[U] | 0.16 U[U] | 0.36 U[U] | 0.23 U[U] | 0.19 U[U] | 0.25 U[U] | 0.32 U[U] | 0.34 U[U] | 0.22 U[U] | 0.32 U[U] | 0.16 U[U] | 0.19 U[U] | 0.2 U[U] | 0.17 U[U] | 0.17 U[U] | 0.16 U[U] |
| | ND40-WTRPMW-5-2013-A | 5/22/2013 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | ND40-WTRPMW-5-2014-A | 5/13/2014 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | ND40-WTRPMW-5-2015-A | 5/6/2015 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | NAAD40-PMW-5-00 | 5/9/2016 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | NAAD40-PMW-5-00 | 5/4/2017 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | NAAD40-PMW5-00 | 5/24/2018 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | NAAD40-PMW5-01 | 5/24/2018 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | NAAD40-PMW5-00 | 4/30/2019 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**Table H-2**
**Cumulative Analytical Data**
**NAAD-40**

| | | | Analysis Group | VOCs | | | | | | | | | General Chemistry |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Analyte | Tetrachloroethene | Toluene | trans-1,2-Dichloroethene | trans-1,3-Dichloropropene | Trichloroethene | Trichlorofluoromethane | Vinyl Acetate | Vinyl Chloride | Xylenes, Total | Nitrate + Nitrite |
| | | | CAS No. | 127-18-4 | 108-88-3 | 156-60-5 | 10061-02-6 | 79-01-6 | 75-69-4 | 108-05-4 | 75-01-4 | 1330-20-7 | E701177 |
| | | | Units | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | mg/L |
| | | | PAL | 5 | 1000 | 100 | 0.47 | 5 | 5200 | 410 | 2 | 10000 | 10 |
| **Station** | **Sample ID** | **Date** | **Type** | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| **FSL5** | FSL5 | 10/17/2007 | FS | 1 U[U] | 1 U[U] | 1 U[U] | 3 U[U] | 1 U[U] | 2 U[U] | 3 U[U] | 1 U[U] | NA | **0.92** |
| **PMW-1** | ND40-WTRPMW-1-4Q05-A | 11/3/2005 | FS | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 UJ[UJ] | 5 U[U] | NA | **0.77 J[J]** |
| | ND40-WTRPMW-1-4Q05-B | 11/3/2005 | FD | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | NA | **0.77 J[J]** |
| | ND40-WTRPMW-1-1Q06-A | 1/31/2006 | FS | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | NA | **0.88 J[J]** |
| | ND40-WTRPMW-1-1Q06-B | 1/31/2006 | FD | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | NA | **0.88 J[J]** |
| | ND40-WTRPMW-1-2Q06-A | 4/19/2006 | FS | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | NA | **0.71 J[J]** |
| | ND40-WTRPMW-1-2Q06-B | 4/19/2006 | FD | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | NA | **0.7 J[J]** |
| | ND40-WTRPMW-1-3Q06-A | 7/12/2006 | FS | 1 U[U] | 1 U[U] | 1 U[U] | 3 U[U] | 1 U[U] | 2 U[U] | 3 U[U] | 1 U[U] | 2 U[U] | **0.65 J[J]** |
| | ND40-WTRPMW-1-1Q07-A | 3/7/2007 | FS | 1 U[U] | 1 U[U] | 1 U[U] | 3 U[U] | 1 U[U] | 2 U[U] | 3 U[U] | 1 U[U] | NA | **0.48** |
| | ND40-WTRPMW-1-1Q07-B | 3/7/2007 | FD | 1 U[U] | 1 U[U] | 1 U[U] | 3 U[U] | 1 U[U] | 2 U[U] | 3 U[U] | 1 U[U] | NA | **0.49** |
| | ND40-WTRPMW-1-4Q07-A | 10/16/2007 | FS | 1 U[U] | 1 U[U] | 1 U[U] | 3 U[U] | 1 U[U] | 2 U[U] | 3 U[U] | 1 U[U] | NA | **0.51** |
| | ND40-WTRPMW-1-1Q08-A | 4/9/2008 | FS | 1 U[U] | 1 U[U] | 1 U[U] | 3 U[U] | 1 U[U] | 2 U[U] | 3 U[U] | 1 UJ[UJ] | NA | **0.32** |
| | ND40-WTRPMW-1-1Q09-A | 4/8/2009 | FS | 1 U[U] | 1 U[U] | 1 U[U] | 3 U[U] | 1 U[U] | 2 U[U] | 3 U[U] | 1 U[U] | NA | **0.62** |
| | ND40-WTRPMW-1-1Q10-A | 4/13/2010 | FS | 0.2 U[U] | 0.17 U[U] | 0.15 U[U] | 0.19 U[U] | 0.16 U[U] | 0.29 U[U] | 0.94 U[U] | 0.4 U[U] | NA | **11** |
| | ND40-WTRPMW-1-2012-A | 8/9/2012 | FS | 0.2 U[U] | 0.17 U[U] | 0.15 U[U] | 0.19 U[U] | 0.16 U[U] | 0.29 U[U] | 0.94 U[U] | 0.1 U[U] | NA | **0.99 [J]** |
| | ND40-WTRPMW-1-2013-A | 5/22/2013 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | **1.9** |
| | ND40-WTRPMW-1-2014-A | 5/13/2014 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | **0.69** |
| | ND40-WTRPMW-1-2015-A | 5/6/2015 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | **0.66** |
| | NAAD40-PMW-1-00 | 5/9/2016 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | **0.54** |
| | NAAD40-PMW-1-00 | 5/4/2017 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | **0.12** |
| | NAAD40-PMW1-00 | 5/24/2018 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | **0.477** |
| | NAAD40-PMW1-00 | 5/1/2019 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.541 [U] |
| **PMW-2** | ND40-WTRPMW-2-4Q05-A | 11/4/2005 | FS | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | NA | **0.06 J[J]** |
| | ND40-WTRPMW-2-1Q06-A | 1/31/2006 | FS | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | NA | **0.07 J[J]** |
| | ND40-WTRPMW-2-2-Q06-A | 4/19/2006 | FS | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | NA | **0.11 J[J]** |
| | ND40-WTRPMW-2-3Q06-A | 7/12/2006 | FS | 1 U[U] | 1 U[U] | 1 U[U] | 3 U[U] | 1 U[U] | 2 U[U] | 3 U[U] | 1 U[U] | 2 U[U] | **0.21 J[J]** |
| | ND40-WTRPMW-2-1Q07-A | 3/7/2007 | FS | 1 U[U] | 1 U[U] | 1 U[U] | 3 U[U] | 1 U[U] | 2 U[U] | 3 U[U] | 1 U[U] | NA | **0.27** |
| | ND40-WTRPMW-2-4Q07-A | 10/16/2007 | FS | 1 U[U] | 1 U[U] | 1 U[U] | 3 U[U] | 1 U[U] | 2 U[U] | 3 U[U] | 1 U[U] | NA | **0.24** |
| | ND40-WTRPMW-2-1Q08-A | 4/9/2008 | FS | 1 U[U] | 1 U[U] | 1 U[U] | 3 U[U] | 1 U[U] | 2 U[U] | 3 U[U] | 1 UJ[UJ] | NA | 0.1 U[U] |
| | ND40-WTRPMW-2-1Q09-A | 4/8/2009 | FS | 1 U[U] | 1 U[U] | 1 U[U] | 3 U[U] | 1 U[U] | 2 U[U] | 3 U[U] | 1 U[U] | NA | 0.1 U[U] |
| | ND40-WTRPMW-2-1Q10-A | 4/13/2010 | FS | 0.2 U[U] | 0.17 U[U] | 0.15 U[U] | 0.19 U[U] | 0.16 U[U] | 0.29 U[U] | 0.94 U[U] | 0.4 U[U] | NA | 0.039 U[U] |
| | ND40-WTRPMW-2-2012-A | 8/8/2012 | FS | 0.2 U[U] | 0.17 U[U] | 0.15 U[U] | 0.19 U[U] | 0.16 U[U] | 0.29 U[U] | 0.94 U[U] | 0.1 U[U] | NA | 0.019 U[UJ] |
| | ND40-WTRPMW-2-2013-A | 5/22/2013 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | **0.052** |
| | ND40-WTRPMW-2-2014-A | 5/13/2014 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | ND40-WTRPMW-2-2014-B | 5/13/2014 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.019 U[U] |
| | ND40-WTRPMW-2-2015-A | 5/7/2015 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.1 U[U] |
| | NAAD40-PMW-2-00 | 5/9/2016 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.05 U[U] |
| | NAAD40-PMW-2-01 | 5/9/2016 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.05 U[U] |
| | NAAD40-PMW-2-00 | 5/3/2017 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.05 U[U] |
| | NAAD40-PMW2-00 | 5/23/2018 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.05 J[U] |
| | NAAD40-PMW2-00 | 4/30/2019 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.05 U[U] |

**Table H-2**
**Cumulative Analytical Data**
**NAAD-40**

| | | | Analysis Group | VOCs | | | | | | | | | General Chemistry |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Analyte | Tetrachloroethene | Toluene | trans-1,2-Dichloroethene | trans-1,3-Dichloropropene | Trichloroethene | Trichlorofluoromethane | Vinyl Acetate | Vinyl Chloride | Xylenes, Total | Nitrate + Nitrite |
| | | | CAS No. | 127-18-4 | 108-88-3 | 156-60-5 | 10061-02-6 | 79-01-6 | 75-69-4 | 108-05-4 | 75-01-4 | 1330-20-7 | E701177 |
| | | | Units | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | mg/L |
| | | | PAL | 5 | 1000 | 100 | 0.47 | 5 | 5200 | 410 | 2 | 10000 | 10 |
| **Station** | **Sample ID** | **Date** | **Type** | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| **PMW-3** | ND40-WTRPMW-3-4Q05-A | 11/4/2005 | FS | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | NA | **0.69 J[J]** |
| | ND40-WTRPMW-3-1Q06-A | 1/31/2006 | FS | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | NA | **0.73 J[J]** |
| | ND40-WTRPMW-3-2Q06-A | 4/19/2006 | FS | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | NA | **0.7 J[J]** |
| | ND40-WTRPMW-3-3Q06-A | 7/12/2006 | FS | 1 U[U] | 1 U[U] | 1 U[U] | 3 U[U] | 1 U[U] | 2 U[U] | 3 U[U] | 1 U[U] | 2 U[U] | **0.79 J[J]** |
| | ND40-WTRPMW-3-3Q06-B | 7/12/2006 | FD | 1 U-U | 1 U-U | 1 U-U | 3 U-U | 1 U-U | 2 U-U | 3 U-U | 1 U-U | 2 U-U | **0.85 J-J** |
| | ND40-WTRPMW-3-1Q07-A | 3/7/2007 | FS | 1 U[U] | 1 U[U] | 1 U[U] | 3 U[U] | 1 U[U] | 2 U[U] | 3 U[U] | 1 U[U] | NA | **0.56** |
| | ND40-WTRPMW-3-4Q07-A | 10/16/2007 | FS | 1 U[U] | 1 U[U] | 1 U[U] | 3 U[U] | 1 U[U] | 2 U[U] | 3 U[U] | 1 U[U] | NA | **0.98** |
| | ND40-WTRPMW-3-4Q07-B | 10/16/2007 | FD | 1 U[U] | 1 U[U] | 1 U[U] | 3 U[U] | 1 U[U] | 2 U[U] | 3 U[U] | 1 U[U] | NA | **0.9** |
| | ND40-WTRPMW-3-1Q08-A | 4/9/2008 | FS | 1 U[U] | 1 U[U] | 1 UJ[UJ] | 3 U[U] | 1 U[U] | 2 U[U] | 3 U[U] | 1 UJ[UJ] | NA | **0.092 J[J]** |
| | ND40-WTRPMW-3-1Q08-B | 4/9/2008 | FD | 1 U[U] | 1 U[U] | 1 U[U] | 3 U[U] | 1 U[U] | 2 U[U] | 3 U[U] | 1 UJ[UJ] | NA | **0.1** |
| | ND40-WTRPMW-3-1Q09-A | 4/8/2009 | FS | 1 U[U] | 1 U[U] | 1 U[U] | 3 U[U] | 1 U[U] | 2 U[U] | 3 U[U] | 1 U[U] | NA | **0.11** |
| | ND40-WTRPMW-3-1Q09-B | 4/8/2009 | FD | 1 U[U] | 1 U[U] | 1 U[U] | 3 U[U] | 1 U[U] | 2 U[U] | 3 U[U] | 1 U[U] | NA | **0.11** |
| | ND40-WTRPMW-3-1Q10-A | 4/13/2010 | FS | 0.2 U[U] | 0.17 U[U] | 0.15 U[U] | 0.19 U[U] | 0.16 U[U] | 0.29 U[U] | 0.94 U[U] | 0.4 U[U] | NA | 0.12 U[U] |
| | ND40-WTRPMW-3-1Q10-B | 4/13/2010 | FD | 0.2 U[U] | 0.17 U[U] | 0.15 U[U] | 0.19 U[U] | 0.16 U[U] | 0.29 U[U] | 0.94 U[U] | 0.4 U[U] | NA | 0.11 U[U] |
| | ND40-WTRPMW-3-2012-A | 8/8/2012 | FS | 0.2 U[U] | 0.17 U[U] | 0.15 U[U] | 0.19 U[U] | 0.16 U[U] | 0.29 U[U] | 0.94 U[U] | 0.1 U[U] | NA | **1.1 [J]** |
| | ND40-WTRPMW-3-2012-B | 8/8/2012 | FD | 0.2 U[U] | 0.17 U[U] | 0.15 U[U] | 0.19 U[U] | 0.16 U[U] | 0.29 U[U] | 0.94 U[U] | 0.1 U[U] | NA | **1.1 [J]** |
| | ND40-WTRPMW-3-2013-A | 5/22/2013 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | **0.45** |
| | ND40-WTRPMW-3-2013-B | 5/22/2013 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | **0.43** |
| | ND40-WTRPMW-3-2014-A | 5/13/2014 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.14 [U] |
| | ND40-WTRPMW-3-2015-A | 5/7/2015 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | **0.035 J[J]** |
| | ND40-WTRPMW-3-2015-B | 5/7/2015 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | **0.038 J[J]** |
| | NAAD40-PMW-3-00 | 5/9/2016 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | **0.2** |
| | NAAD40-PMW-3-00 | 5/4/2017 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | **0.073 J[J]** |
| | NAAD40-PMW3-00 | 5/24/2018 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | **0.684** |
| | NAAD40-PMW3-00 | 4/30/2019 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | **0.153** |
| | NAAD40-PMW3-01 | 4/30/2019 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | **0.145** |
| **PMW-4** | ND40-WTRPMW-4-1Q08-A | 4/10/2008 | FS | 1 U[U] | 1 U[U] | 1 U[U] | 3 U[U] | 1 U[U] | 2 U[U] | 3 U[U] | 1 UJ[UJ] | NA | **0.41** |
| | ND40-WTRPMW-4-1Q09-A | 4/8/2009 | FS | 1 U[U] | 1 U[U] | 1 U[U] | 3 U[U] | 1 U[U] | 2 U[U] | 3 U[U] | 1 U[U] | NA | **0.3** |
| | ND40-WTRPMW-4-1Q10-A | 4/13/2010 | FS | 0.2 U[U] | 0.17 U[U] | 0.15 U[U] | 0.19 U[U] | 0.16 U[U] | 0.29 U[U] | 0.94 U[U] | 0.4 U[U] | NA | **0.38** |
| | ND40-WTRPMW-4-2015-A | 5/7/2015 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | **0.081 J[J]** |
| | NAAD40-PMW-4-00 | 5/9/2016 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | **0.19** |
| | NAAD40-PMW-4-00 | 5/4/2017 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | **0.25** |
| | NAAD40-PMW-4-01 | 5/4/2017 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | **0.26** |
| | NAAD40-PMW4-00 | 4/30/2019 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | **0.157** |

**Table H-2**
**Cumulative Analytical Data**
**NAAD-40**

| | | | Analysis Group | VOCs | | | | | | | | | General Chemistry |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Analyte | Tetrachloroethene | Toluene | trans-1,2-Dichloroethene | trans-1,3-Dichloropropene | Trichloroethene | Trichlorofluoromethane | Vinyl Acetate | Vinyl Chloride | Xylenes, Total | Nitrate + Nitrite |
| | | | CAS No. | 127-18-4 | 108-88-3 | 156-60-5 | 10061-02-6 | 79-01-6 | 75-69-4 | 108-05-4 | 75-01-4 | 1330-20-7 | E701177 |
| | | | Units | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | mg/L |
| | | | PAL | 5 | 1000 | 100 | 0.47 | 5 | 5200 | 410 | 2 | 10000 | 10 |
| **Station** | **Sample ID** | **Date** | **Type** | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| **PMW-5** | ND40-WTRPMW-5-4Q05-A | 11/3/2005 | FS | 5 UJ[UJ] | 5 UJ[UJ] | 5 UJ[UJ] | 5 UJ[UJ] | 5 UJ[UJ] | 5 UJ[UJ] | 5 UJ[UJ] | 5 UJ[UJ] | NA | **4.1 J[J]** |
| | ND40-WTRPMW-5-1Q06-A | 1/31/2006 | FS | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | NA | **6.2 J[J]** |
| | ND40-WTRPMW-5-2Q06-A | 4/19/2006 | FS | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | 5 U[U] | NA | **4.2 J[J]** |
| | ND40-WTRPMW-5-3Q06-A | 7/12/2006 | FS | 1 U[U] | 1 U[U] | 1 U[U] | 3 U[U] | 1 U[U] | 2 U[U] | 3 U[U] | 1 U[U] | 2 U[U] | **5.9 J[J]** |
| | ND40-WTRPMW-5-1Q07-A | 3/7/2007 | FS | 1 U[U] | 1 U[U] | 1 U[U] | 3 U[U] | 1 U[U] | 2 U[U] | 3 U[U] | 1 U[U] | NA | **3.2** |
| | ND40-WTRPMW-5-1Q08-A | 4/9/2008 | FS | 1 U[U] | 1 U[U] | 1 U[U] | 3 U[U] | 1 U[U] | 2 U[U] | 3 U[U] | 1 UJ[UJ] | NA | **3** |
| | ND40-WTRPMW-5-1Q09-A | 4/8/2009 | FS | 1 U[U] | 1 U[U] | 1 U[U] | 3 U[U] | 1 U[U] | 2 U[U] | 3 U[U] | 1 U[U] | NA | **3.4** |
| | ND40-WTRPMW-5-1Q10-A | 4/13/2010 | FS | 0.2 U[U] | 0.17 U[U] | 0.15 U[U] | 0.19 U[U] | 0.16 U[U] | 0.29 U[U] | 0.94 U[U] | 0.4 U[U] | NA | **4.2** |
| | ND40-WTRPMW-5-2012-A | 8/8/2012 | FS | 0.2 U[U] | 0.17 U[U] | 0.15 U[U] | 0.19 U[U] | 0.16 U[U] | 0.29 U[U] | 0.94 U[U] | 0.1 U[U] | NA | **3 [J]** |
| | ND40-WTRPMW-5-2013-A | 5/22/2013 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | **2.4** |
| | ND40-WTRPMW-5-2014-A | 5/13/2014 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | **3.3** |
| | ND40-WTRPMW-5-2015-A | 5/6/2015 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | **4.1** |
| | NAAD40-PMW-5-00 | 5/9/2016 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | **0.55** |
| | NAAD40-PMW-5-00 | 5/4/2017 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | **2.5** |
| | NAAD40-PMW5-00 | 5/24/2018 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | **2.48** |
| | NAAD40-PMW5-01 | 5/24/2018 | FD | NA | NA | NA | NA | NA | NA | NA | NA | NA | **2.26** |
| | NAAD40-PMW5-00 | 4/30/2019 | FS | NA | NA | NA | NA | NA | NA | NA | NA | NA | **1.04** |

**Table H-2**
**Cumulative Analytical Data**
**NAAD-40**

**Notes**

Yellow highlight = Analyte detected above the Project Action Level

**Bold** = Analyte detected above the laboratory detection limit (but below the Project Action Level)

µg/L - micrograms per liter

CAS - Chemical Abstract Service

FD - Field Duplicate Sample

FS - Field Sample

ID - Identification

mg/L - milligram per liter

NA - Not analyzed

NE - Not established

No. - Number

PAL - Project Action Level: Arizona Aquifer Water Quality Standard (AWQS) or U.S. Environmental Agency Regional Screening Level (RSL) based upon Worksheet #15 of UFP-QAPP (WESTON, 2018)

J - Estimated: the analyte was positively identified; the quantitation is an estimation.

Q - Data qualifed by Laboratory, one or more quality control criteria failed.

R - Rejected, The sample results were rejected due to gross non-conformances discovered during data validation.

U - Undetected at the Limit of Detection.

# Appendix D

# Historical and Current Screening Levels

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## NAAD-11B Historical and Current Screening Levels for Groundwater COCs

| COC | Screening Level (µg/L) | | Potential Change in Risk? |
|---|---|---|---|
| TNT | DD | 2.2 | No change in Risk. DD screening level is less than current PAL. |
| | Current RSL | 2.5 | |
| 2-Amino-4,6-dinitrotoluene | DD | 7.3 | No change in Risk. DD screening level is less than current PAL. |
| | Current RSL | 39 | |
| 4-Amino-2,6-dinitrotoluene | DD | 7.3 | No change in Risk. DD screening level is less than current PAL. |
| | Current RSL | 39 | |
| RDX | DD | 0.61 | No change in Risk. DD screening level is less than current PAL. |
| | Current RSL | 0.7 | |
| 1,3,5-TNB | DD | 1,100 | No change in Risk. All historical detections were below the current RSL. |
| | Current RSL | **590**[1] | |
| Arsenic | DD | 10 | No change in Risk. DD screening level is the same as the current Arizona AWQS. |
| | Current AWQS | 10 | |
| Beryllium | DD | 4 | No change in Risk. DD screening level is the same as the current Arizona AWQS. |
| | Current AWQS | 4 | |
| Chromium, Total | DD | 100 | No change in Risk. DD screening level is the same as the current Arizona AWQS. |
| | Current AWQS | 100 | |

*Screening levels are either Arizona AWQSs or U.S. Environmental Protection Agency (EPA) MCLs.
[1]EPA tapwater RSL utilized since MCL or AWQS not available.
**Bolded values indicate current screening levels that are lower than those indicated in the DD.**
Highlighted cells indicate analytes that are no longer analyzed in any wells during annual long-term management groundwater monitoring events.
µg/L – Micrograms per Liter
AWQS – Aquifer Water Quality Standard
COC – Contaminant of Concern
DD – Decision Document
MCL – Maximum Contaminant Level
PAL – Project Action Level
RDX – 1,3,5-trinitroperhydro-1,3,5-triazine
RSL – Regional Screening Level
TNB – Trinitrobenzene
TNT – 2,4,6-trinitrotoluene

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## NAAD-40 Historical and Current Screening Levels for Groundwater COCs

| COC | Screening Level (mg/L) | | Potential Change in Risk? |
|---|---|---|---|
| Arsenic | DD | 0.001 | No change in Risk. DD screening level is less than current PAL. |
| | Current AWQS | 0.05 | |
| Barium | DD | 2 | No change in Risk. DD screening level is the same as the current PAL. |
| | Current AWQS | 2 | |
| Nitrate + Nitrite | DD | 10 | No change in Risk. DD screening level is the same as the current PAL. |
| | Current AWQS | 10 | |
| Beryllium | DD | 0.004 | No change in Risk. DD screening level is the same as the current AWQS. |
| | Current AWQS | 0.004 | |
| Cadmium | DD | 0.005 | No change in Risk. DD screening level is the same as the current AWQS. |
| | Current AWQS | 0.005 | |
| Chromium, Total | DD | 0.1 | No change in Risk. DD screening level is the same as the current AWQS. |
| | Current AQWS | 0.1 | |
| Lead | DD | 0.05 | No change in Risk. DD screening level is the same as the current AWQS. |
| | Current AQWS | 0.05 | |
| Mercury | DD | 0.002 | No change in Risk. DD screening level is the same as the current AWQS. |
| | Current AQWS | 0.002 | |
| Benzo(a)pyrene | DD | 0.0002 | No change in Risk. DD screening level is the same as the current AWQS. |
| | Current AQWS | 0.0002 | |
| Benzo(b)fluoranthene | DD | 0.000092 | No change in Risk. DD screening level is less than current RSL. |
| | Current RSL | 0.0002 | |
| Dibenzo(a,h)anthracene | DD | 0.0000092 | No change in Risk. DD screening level is less than current AWQS. |
| | Current AWQS | 0.000005 | |
| Indeno(1,2,3-cd)pyrene | DD | 0.000092 | |

| COC | Screening Level (mg/L) | | Potential Change in Risk? |
|---|---|---|---|
| | Current RSL | 0.00005 | No change in Risk. DD screening level is less than current RSL. |
| Polychlorinated Biphenyls[1] | DD | 0.0005 | No change in Risk. DD screening level is the same as the current RSL. |
| | Current RSL | 0.0005 | |

[1] Polychlorinated Biphenyls (high risk) maximum contaminant level utilized.
Highlighted cells indicate analytes that are no longer analyzed in all wells during annual long-term management groundwater monitoring events.
AWQS – Aquifer Water Quality Standard
COC – Contaminant of Concern
DD – Decision Document
mg/L – Milligrams per Liter
RSL – Regional Screening Level

## NAAD-43 Historical and Current Arizona SRLs for Soil COCs

| COC | Residential SRL (mg/kg)* | | Non-Residential SRL (mg/kg)* | | Potential Change in Risk? |
|---|---|---|---|---|---|
| Arsenic | DD | 10 | DD | 10 | No change in Risk. Remedial action SRL is the same as the current SRL. |
| | Current | 10 | Current | 10 | |
| Beryllium | DD | 1.4 | DD | 11 | No change in Risk. Remedial action SRL is less than current SRL. |
| | Current | 150 | Current | 1,900 | |
| Lead | DD | 400 | DD | 2,000 | No change in Risk. Historical detections were below the current SRL. |
| | Current | 400 | Current | **800** | |
| Benzo(a)pyrene | DD | 0.61 | DD | 2.6 | No change in Risk. Analysis of data indicates carcinogenic and non-carcinogenic risk is within acceptable ranges. |
| | Current | **0.069** | Current | **2.1** | |
| Benzo(b)fluoranthene | DD | 6.1 | DD | 260 | No change in Risk. Analysis of data indicates carcinogenic risk is within acceptable range. |
| | Current | **0.69** | Current | **21** | |
| Dibenzo(a,h)anthracene | DD | 0.61 | DD | 2.6 | No change in Risk. Analysis of data indicates carcinogenic risk is within acceptable range. |
| | Current | **0.069** | Current | **2.1** | |
| Indeno(1,2,3-cd)pyrene | DD | 6.1 | DD | 26 | No change in Risk. Analysis of data indicates carcinogenic risk is within acceptable range. |
| | Current | **0.69** | Current | **21** | |
| Polychlorinated Biphenyls[1] | DD | 2.5 | DD | 13 | No change in Risk. Remedial action SRL is less than current SRL. |
| | Current | 3.9 | Current | 37 | |

[1] PCBs, low-risk mixture value utilized.
*Current Arizona SRLs were obtained from the 2009 version of the Arizona Administrative Code, Title 18, Chapter 7, which was accessed at https://apps.azsos.gov/public_services/Title_18/18-07.pdf.
**Bolded values indicate current screening levels that are lower than those indicated in the DD.**
COC – Contaminant of Concern
DD – Decision Document
mg/kg – Milligrams per Kilogram
SRL – Soil Remediation Level

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