AECOM **Environment**

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Air Force Center for Engineering and the Environment
Lackland Air Force Base, Texas

Aeronautical Systems Center
Wright-Patterson Air Force Base, Ohio

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First Five-Year Review of the Record of Decision for Air Force Plant 59 Johnson City, New York

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Executive Summary

This five-year review for Former Air Force Plant 59 (AFP 59), located in Johnson City, New York, has been prepared as a Good Management Practice by the United States Air Force (USAF), since the type of remedy selected in the Record of Decision (ROD) for AFP 59 (ex situ treatment of groundwater prior to discharge to the drinking water distribution system) did not trigger a statutory or policy Five-Year Review as defined by the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA). The remedy selected was a voluntary, off-site action and did not "leave hazardous substances in the groundwater above levels that allow for unlimited use and unrestricted exposure," as stated in CERCLA, and was final and immediately effective and protective of human health upon installation. Furthermore, the selected remedy was an upgrade to a treatment system that had been operating effectively since 1993. The purpose of this review is to evaluate the implementation and performance of this remedy, which is the upgrade of the current groundwater treatment system at the Camden Street Well Field, to determine that it was and still is protective of human health and the environment. After 1999, the treatment system became the responsibility of Johnson City, and the USAF discontinued any involvement in its operation.

A long-term (5-year) monitoring (LTM) program was also recommended in the ROD at the request of the New York State Department of Environmental Conservation (NYSDEC) to evaluate groundwater concentrations and trends.

Because the there was no CERCLA statutory or policy trigger for the remedial action (RA), there was no specific trigger date for the first five-year review for Former AFP 59. The remedy was implemented by the USAF in June 1999. This review has been initiated to review for the record the RA that was completed in June 1999 as well as the LTM (this was not a RA) that began in 1999 and was completed in 2004. It also covers additional follow-on groundwater and soil sampling and vapor intrusion (VI) investigations that have been conducted up to the present (October 2011) for which no RA has yet been selected.

The results of the this review indicate that the remedy, as described in the 1999 ROD, has been protective of human health and the environment since its installation in June 1999. Overall, the RA has functioned as designed and no deficiencies have been identified that impact the protectiveness of the remedy. In a separate action, the LTM program has been conducted to insure that groundwater chemicals of potential concern are not migrating off the AFP 59 toward offsite properties. Levels of hazardous substances are currently (based on the most recent sampling, conducted in November 2010) below maximum contaminant levels (MCLs) in groundwater in the Camden Street Well Field. However, cis-1,2-dichloroethene (DCE) was detected in one deep well at the plant boundary, above New York State, but below Federal levels. Monitoring of the public water supply after installation of the treatment system has continued to show contaminants below Federal and state standards.

Based on data reviewed, site familiarity, and interviews, the remedy has functioned as intended. There have been no changes in the physical conditions of the site that have affected the protectiveness of the remedy. Exposure assumptions used in the risk assessment have not changed. Toxicity factors have generally remained the same since the ROD, and there has been no change to the standardized risk assessment methodology that could affect protectiveness of the remedy. The review of documents, applicable or relevant and appropriate requirements, and risk assumptions indicates that the remedy applied at AFP 59 has functioned as intended in the ROD.

Five-Year Review Summary Form

SITE IDENTIFICATION		
Site Name *(from WasteLAN)*: Air Force Plant 59		
EPA ID *(from WasteLAN)*: NY5570024641		
Region: 2	**State:** NY	**City/County:** Johnson City/Broome County
SITE STATUS		
NPL Status: ☒ Final ☐ Deleted ☐ Other (specify)		
Remediation Status (choose all that apply): ☐ Under Construction ☐ Operating ☒ Complete		
Multiple OUs? ☒Yes ☒ No	**Construction Completion Date:** June 1999	
Has site been put into reuse? ☒ Yes ☐ No		
REVIEW STATUS		
Lead Agency: ☐ EPA ☐ State ☐ Tribe ☒ Other (United States Air Force)		
Author Name: United States Air Force and AECOM		
Review Period: 7 / 1 / 2011 to 9 / 15 / 2011		
Date(s) of Last Site Inspection: September 2009 (sampling for 1,4-dioxane)		
Type of Review: ☐ Post-SARA ☐ Pre-SARA ☐ NPL-Removal only ☒ Non-NPL Remedial Action Site ☐ NPL State/Tribe-lead ☐ Regional Discretion		
Review Number: ☒ 1 (first) ☐ 2 (second) ☐ 3 (third) ☐ Other (specify)		
Triggering Action: ☐ Actual RA On-site Construction at OU ☐ Actual RA Start at OU# ☐ Construction Completion ☐ Previous Five-Year Review Report ☒ Other (see below)		
Triggering Action Date *(from WasteLAN)*: Activities to implement the remedy at AFP 59 were initiated by the USAF during 1999. However, this did not trigger a five-year review (see below).		
Due Date *(five years after triggering action date):* There was no trigger date because the type of RA selected did not require a five-year review as defined by CERCLA/Superfund Amendments and Reauthorization Act (SARA); the remedy was a voluntary cleanup of off-site drinking water prior to its discharge into the public drinking water system that was immediately effective and fully protective of human health; no contaminants were left in place that required restrictions on land or groundwater use by humans or ecological populations; there was no on-site cleanup of groundwater or soils recommended in the 1999 ROD at AFP 59.		

Five-Year Review Summary Form

(Continued)

Issues:

In addition to the completed remedial action (OU 1), other investigations have continued at AFP 59 during the review period, leading to an extensive VI remedial investigation (RI) (OU 2). Vapor intrusion was being investigated prior to flooding of the property. However, given the fact that the building is no longer occupied and is planned demolition, occupational exposure will not be an issue. Any remaining contamination will be addressed during demolition.

Recommendations and Follow-up Actions:

The RA selected in the 1999 ROD was fully implemented and protective during June 1999. A RA for VI concentrations above New York State Department of Health (NYSDOH) levels at AFP 59 has not yet been selected.

Protectiveness Statement(s):

The remedy for AFP 59 has effectively removed volatile organic compounds (VOCs) in groundwater and has been protective of human health and the environment. Exposure pathways that could result in unacceptable risk have been controlled.

Long-term Protectiveness:

The drinking water treatment system was immediately protective of human health following its installation in June 1999. Monitoring has been conducted at the plant to monitor contamination in the groundwater, such that VOC contamination related to historical activities at AFP 59 or other adjacent industrial sites will not cause nor contribute to exceedances of the MCLs in the Camden Street Wellfield. Levels of hazardous substances are below MCLs in groundwater at the Camden Street Well Field and in Johnson City drinking water.

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List of Acronyms and Abbreviations

AFP 59	Air Force Plant 59
bgs	Below Ground Surface
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
DCE	Dichloroethene
GE	General Electric
IRP	Installation Restoration Program
LTM	Long-Term Monitoring
µg/kg	Micrograms per Kilogram
µg/L	Micrograms Per Liter
$\mu g/m^3$	Micrograms per Cubic Meter
MCL	Maximum Contaminant Level
MOU	Memorandum of Understanding
NCP	National Oil and Hazardous Substances Pollution Contingency Plan
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
PCB	Polychlorinated Biphenyl
PCE	Tetrachloroethene
RA	Remedial Action
RAO	Remedial Action Objective
RI	Remedial Investigation
ROD	Record of Decision
SARA	Superfund Amendments and Reauthorization Act
TCA	Trichloroethane
TCE	Trichloroethene
USAF	United States Air Force
USGS	United States Geological Survey
UST	Underground Storage Tank
VI	Vapor Intrusion
VOC	Volatile Organic Compound

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1 Introduction

1.1 Purpose of Review

The purpose of this five-year review is to evaluate the status of the remedial action (RA) selected in a 1999 Record of Decision (ROD) (voluntary, off-site treatment of public drinking water supplies in Johnson City adjacent to Air Force Plant 59 [AFP 59]) to determine whether the selected remedy continues to meet the remedial goals and perform as anticipated. The methods, findings, and conclusions are documented in this five-year review report. Also evaluated are the results of a separate review of groundwater monitoring conducted on-site and adjacent to AFP 59.

1.2 Authorities

The United States Air Force (USAF) conducted this five-year review pursuant to Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) §121 and the National Oil and Hazardous Substances Pollution Contingency Plan (NCP). A statutory five-year review is not required for remedies at Former AFP 59, pursuant to the NCP (40 CFR §300.430(f)(4)(ii)), which 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 the initiation of the selected remedial action.*

The type of RA selected in the 1999 ROD did not trigger a five-year review because:

1. The remedy selected (treatment of groundwater ex situ prior to its discharge into a public water distribution system) was a voluntary, off-site action.
2. The remedy did not include cleanup of soils or in situ groundwater on-site at AFP 59 or at the adjacent Camden Street wellfield.
3. The remedy was immediately implemented and was immediately protective of human health.
4. The remedy did not place any restrictions on land and/or groundwater use by humans or ecological populations.
5. The remedy selected (upgrade of the water treatment system) was in fact an expansion of a remedy that had been in place since 1993 and was already effectively removing contaminants from the local drinking water. The treatment system was expanded to cover two other wells in case the primary well had to be shut down.

The review is based on site-specific considerations, including the nature of the response action, the status of response activities, and the proximity to populated areas and sensitive environmental areas. Information considered in this review includes the Remedial Investigation (RI), ROD, Long-Term Monitoring (LTM) Reports, Vapor Intrusion (VI) RI Report, and correspondence with parties involved with the response actions.

1.3 Lead Agent/Contractor Supporting Lead Agency

The lead agency is the USAF, Aeronautical Systems Center, Acquisition, Environmental, Safety and Health Division, Wright-Patterson Air Force Base, Ohio. AECOM, Alexandria, Virginia, conducted this review for the lead agency.

1.4 Review Number

This is the first five-year review for Former AFP 59.

1.5 Trigger Action/Date

There is no statutory trigger date for this first five-year review, as explained in Section 1.2 above. Activities to implement the remedy for Former AFP 59 (a non-time critical removal action) began in 1999, and is considered the “starting point” for this review. This five-year review has been initiated as a good management practice by the USAF to assess the effectiveness of

the drinking water treatment system as well as the results of the five-year LTM program at AFP 59, which ended in 2004. This review also includes a discussion of the period from 2004 up to present.

A five-year LTM program was also established as part of the requirements defined in the ROD. The monitoring program, as defined in the April 27, 1999 letter to the New York State Department of Environmental Conservation (NYSDEC) (Earth Tech, 1999a), consisted of semiannual sampling of the following monitoring wells: SW1, DW1, SW3, DW3, SW4, and SW7. Groundwater monitoring of volatile organic compounds (VOCs) was conducted semiannually as part of the LTM program from November 1999 until the program's conclusion with the November 2004 sampling event. The USAF agreed to conduct two additional rounds of groundwater sampling after the July 2005 excavation of trichloroethene (TCE)-contaminated soil in the East Basement of the Manufacturing Building. The October 2006 sampling event concluded this agreement. However, based on input from the NYSDEC and the New York State Department of Health (NYSDOH), a more comprehensive VI investigation was recommended, followed by one additional round of groundwater sampling to confirm the results of the groundwater monitoring program and the VI-related activities.

1.6 Number, Description and Status of Other Installation Restoration Program Sites at Former AFP 59

Nine sites or areas of concern where past activities at AFP 59 could have resulted in releases to the environment were identified prior to the 1996 RI. Because the numbering of these sites varied throughout the Installation Restoration Program (IRP) process, the sites are identified by name, without reference to site numbers. In addition to the nine IRP sites and areas of concern, two additional sites were identified, including an area of TCE-contaminated soil discovered in 2002 and polychlorinated biphenyls (PCBs) in the rafters of Building 2. The following is a list of the 11 sites. Section 3.3 provides a more detailed description of these sites.

- Underground Waste Oil Storage Tanks
- Drum Storage Area
- Little Choconut Creek
- Plating Building
- Storage Tank and Settling Pond
- Former Gasoline Underground Storage Tank
- JP-4 Piping Area
- Oil/Water Separator
- Transformer Area
- East Basement TCE Soil Pile
- PCB Encapsulation

2 Site Chronology

Table 2-1 provides a general chronology of events at AFP 59 and the surrounding vicinity.

Table 2-1: General Chronology of AFP 59 and Vicinity

Event	Date
Phase I Records Search (CH2M Hill)	October 1984
Phase II, Stage I Confirmation/Quantification Study Final Report (Hart Associates)	March 1988
Phase II, Stage II, Remedial Investigation/Feasibility Study (EA Engineering)	December 1988
Settling Tank/Spent Plating Storage Tank Soil Study (Marcor)	1991
Storage Tank Soil Investigation (OHM Remediation Services Corp.)	1992
Contaminant Source Investigation of the Johnson City Camden Street Well Field Final Report & Addendum (URS)	May, June 1992
Plating Room Soil Investigation (OHM Remediation Services Corp.)	1993
Storage Tank/Settling Pond Soil Investigation (OHM Remediation Services Corp.)	1993
Phase II Stage II Confirmation/Quantification Study, Supplemental Site Inspection (Argonne National Laboratory)	1994
Plating Room Soil Investigation (OHM Remediation Services Corp.)	1994
Plating Room Soil Investigation (Blasland, Bouck & Lee)	1994
Settling Pond Investigation (Blasland, Bouck & Lee)	1995
Environmental Baseline Survey (Earth Tech)	1995
Supplemental Site Inspection (Energy Systems, Division, Argonne National Laboratory)	August 1995
Final Remedial Investigation Report (Earth Tech)	April 1996
Baseline Human Health Risk Assessment for contaminated soil, groundwater, and surface water (Earth Tech)	April 1996
Remedial Alternatives Informal Technical Information Report	February 1996
Final Groundwater Monitoring Report: November 1998 Sampling Event (Earth Tech)	February 1999
Final Groundwater Monitoring Report: April 1999 Sampling Event (Earth Tech)	June 1999
Final Proposed Plan (Earth Tech)	July 1999
Record of Decision (Earth Tech), signed by the USAF.	September 1999
Camden Street Well Field treatment system upgrade completed	June 1999
Five-Year Groundwater Monitoring Program (Earth Tech)	1999 – 2004
Final Groundwater Monitoring Report: November 1999 Sampling Event (Earth Tech)	February 2000
Final Groundwater Monitoring Report: May 2000 Sampling Event (Earth Tech)	August 2000
Final Groundwater Monitoring Report: November 2000 Sampling Event (Earth Tech)	February 2001
Final Groundwater Monitoring Report: May 2001 Sampling Event (Earth Tech)	August 2001
Final Groundwater Monitoring Report: November 2001 Sampling Event (Earth Tech)	February 2002
Final Groundwater Monitoring Report: May 2002 Sampling Event (Earth Tech)	August 2002
Final Groundwater Monitoring Report: May 2003 Sampling Event (Earth Tech)	August 2003
Final Groundwater Monitoring Report: November 2003 Sampling Event (Earth Tech)	January 2004

Table 2-1: General Chronology of AFP 59 and Vicinity (Continued)

Event	Date
Final Groundwater Monitoring Report: June 2004 Sampling Event (Earth Tech)	August 2004
Final Groundwater Monitoring Report: November 2004 Sampling Event (Earth Tech)	February 2005
Manufacturing Building Basement Screening Level Characterization and Contaminant Delineation; Soil Excavation at the Manufacturing Building East Basement (Earth Tech)	December 2005
Final Groundwater Monitoring Report: October 2005 Sampling Event (Earth Tech)	January 2006
Final Soil-Gas and Groundwater Monitoring Report from the October/November 2006 Sampling Event (Earth Tech)	August 2007
Vapor Intrusion Investigation Report (Earth Tech)	March 2008
Long-Term Monitoring Activities and Soil Gas Investigation Report	March 2009
Final Vapor Intrusion Remedial Investigation Report (AECOM)	April 2011

3 Background

3.1 General Site Description

AFP 59 is located in south-central New York in the Westover area of the Town of Union, Broome County, immediately west of Johnson City (mailing address); the site is about 3 miles west of the Central Business District of the City of Binghamton and about 4 miles east of the center of the Village of Endicott (Figure 3-1). The plant occupies 29.6 acres (including Parking Lot #5 located north of Main Street) and is situated in a highly urbanized area (Figure 3-2).

The plant is bounded on the east and south by Little Choconut Creek. South of AFP 59, beyond Little Choconut Creek, is a power plant owned by New York State Electric and Gas. Nonresidential areas are located immediately west of the installation and also to the east, beyond Little Choconut Creek. Other nonresidential land around the plant is used for transportation, commercial enterprises, recreation, and industrial activity. The Camden Street Wellfield, an important source of water for Johnson City, is located approximately 1,000 feet southwest of the plant.

Physiography, Topography, and Site Geology. AFP 59 is located within the Appalachian Plateau physiographic province, which is characterized by relatively undisturbed, nearly horizontal sedimentary rocks bisected by stream and river valleys. The topography of the installation is nearly flat and ranges in elevation from 830 to 840 feet above mean sea level (USAF, 1993). The subsurface geology in the vicinity of AFP 59 generally consists of approximately 75 to 100 feet of stratified, unconsolidated glacial deposits overlying glacial till and shale and siltstone bedrock. The stratigraphy generally consists of 2 to 5 feet of artificial fill, 3 to 34 feet of glacial outwash deposits, 0 to 54 feet of fine-grained glacial deposits, and 15 to 64 feet of ice-contact deposits. The fine-grained glacial deposits are not present in the northeast portion of the site where glacial outwash deposits are in direct contact with ice-contact deposits. A thin layer of fine-grained alluvium overlies the glacial outwash deposits on the eastern portion of the site.

Hydrogeology. AFP 59 is located on the western edge of the Clinton Street-Ballpark Aquifer, which is a highly productive aquifer, yielding 400 to 2,290 gallons per minute, and underlies 3 square miles within the Greater Binghamton area (CH2M Hill, 1984). The formations that make up the aquifer are the glacial outwash deposits and the underlying ice-contact deposits, with occurrences of fine-grained glacial deposits that may locally restrict vertical groundwater movement. The aquifer is locally separated into two zones (shallow and deep) in areas where the fine-grained glacial deposits are present. In general, the shallow zone of the aquifer is comprised of glacial outwash deposits and the deep zone of the aquifer is compressed of ice-contact deposits.

The Johnson City Water Department maintains seven deep production wells that supply water to the Village of Johnson City, as well as to a portion of the town of Union that lies north of the village (URS, 1992). Three of the Johnson City Water Department municipal productions wells are southwest of AFP 59 at the Camden Street Wellfield, and one municipal production well is northeast of AFP 59.

Surface Water. Little Choconut Creek and the Susquehanna River are within 1,000 feet of AFP 59. Little Choconut Creek borders the plant to the east and south. The creek flows to the west and converges with the Susquehanna River approximately 1,000 feet west of the southwest corner of the plant. No municipal users of the surface water occur within 3 miles downstream of AFP 59 (CH2M Hill, 1984).

3.2 Former, Current and Future Land Use

As a government-owned, contractor-operated facility, AFP 59 has manufactured aircraft-related products since 1942. AFP 59 was built in 1942 by the Defense Plant Corporation to produce aircraft propellers during World War II. Remington Rand, the first manufacturer to occupy the plant, produced aluminum aircraft propellers from 1942 to 1945. After World War II, the plant was only used as a warehouse and for reserve training. In 1948, the building was occupied by the Aeronautics and Ordnance Systems Division of General Electric (GE) to produce aircraft flight and fire control components. The plant had a limited work force for the next 3 years, but was fully operational by 1951. For the next 10 years, GE manufactured armament systems and engine controls. After the Korean conflict, manufacturing activity declined. From 1951 to 1958, the plant transitioned to the F-4 program. In 1958, the USAF planned deactivation of AFP 59. However, final disposal of the plant did not occur and GE continued to operate the facility without interruption.

Plant activity peaked in the late 1960s during the Vietnam War. In 1961, the transition to the F-111 began and, in 1970, to the F-15. During the 1970s and 1980s, production changed from manufacturing mechanical systems to producing electronic and computer systems, such as flight controls and internal navigation and guidance systems. As of the mid-1980s, the plant produced highly sophisticated avionic and electronic controls in support of the A-10, F-18, F-4, F-5, F-15, F-111, C-5, B-1, and V-22 programs. These systems included fire/flight control systems, displays and simulators, propulsion controls and condition monitors, and spacecraft controls. Most production was on subcontract to McDonnell Douglas, Lockheed, and Rockwell. In 1986, the plant was recommended for disposal.

In 1993, Martin Marietta acquired GE Aerospace and took over operation of AFP 59. Lockheed and Martin Marietta merged in 1995 and the plant was operated by Lockheed Martin Control Systems, producing highly sophisticated avionics and electronic controls. In April 2000, BAE Systems acquired Lockheed Martin Control Systems and took over operation of AFP 59.

3.3 History of Waste Disposal/Contamination

Nine sites or areas of concern where past activities at AFP 59 could have resulted in releases to the environment were identified prior to the RI (Earth Tech, 1996); see Figure 3-3. The numbering of these sites varied throughout the IRP process; therefore, the sites discussed below are identified by name, without reference to site numbers. In addition to the nine sites and areas of concern, an area of TCE-contaminated soil was also discovered in 2002 and PCBs in wood along the catwalks was encapsulated. Each site is discussed below. Figure 3-4 shows the locations of existing monitoring wells.

3.3.1 Underground Waste Oil Storage Tanks

This site is located south of the Special Programs Facility at the southeastern corner of the Manufacturing Building. Two interconnected 1,000-gallon underground storage tanks (USTs) were used to temporarily store waste cutting oils from the various machining areas of the plant until they were removed and disposed by a private contractor. Prior to 1969, non-chlorinated, kerosene-based degreasing solvents were used at the plant and stored along with the waste oils. Halogenated solvents, such as TCE, 1,1,1-trichloroethane (1,1,1-TCA), and Freon, were introduced in 1969. These waste solvents were drummed and recycled on-site or were transported off-site by a contractor. The USTs operated from 1953 to 1985, at which time they were removed (USAF, 1993). The tanks were reportedly inspected daily to prevent overtopping. However, spills reportedly occurred during the removal of oils from the tanks by an outside contractor. During the tank removal, stained gravel and soil were found and determined to be contaminated. This soil was reportedly excavated to a depth of 12 feet (approximately 6 feet below the bottom of the tanks). Soil at the bottom of the excavation below the removal area was reportedly sampled and found to be nonhazardous; the contaminated soil was then reportedly removed from the site (USAF, 1993).

3.3.2 Drum Storage Area

The Drum Storage Area is located in the maintenance area south of the Manufacturing Building, southeast of the former Plating Building, and west of the Special Programs Facility. The site has been used as a drum storage area from 1942 to 1970 when it was repaved. Waste paints, waste oils, and spent kerosene-based degreasers were stored at this area prior to off-site disposal by an outside contractor. In 1963, the top 8 inches of soil were removed from the Drum Storage Area, and the site was paved (USAF, 1993). Employees reported spills prior to the paving in 1963.

3.3.3 Little Choconut Creek

Little Choconut Creek is located on the AFP 59 eastern and southern borders. It was placed on the IRP list because three wastewater outfalls that are potential sources of contamination enter the creek south of AFP 59 (USAF, 1993).

3.3.4 Plating Building

The Plating Building is located south of the Manufacturing Building, between the Range Building and the Special Programs Facility. Operations in the Plating Building produced various wastes, including plating acids, caustic sludges, and chromium and cyanide solutions. The plating acid wastes were typically mixed sulfuric, nitric, muriatic, and chromic acids. Spent plating solutions included copper cyanide, nickel cyanide, and cadmium cyanide. The acid wastes were pumped to the plating waste storage tank and neutralized prior to removal by an outside contractor. The cyanide waste was drummed for off-site disposal (CH2M Hill, 1984). Degreasing activities also occurred in the Plating Building. Plating operations were discontinued in 1991 and the plating equipment was removed in 1992. At the time of closure, 89 tanks of various sizes, mostly less than 250 gallons, were located in the Plating Building. The Plating Building was decommissioned in 1992 and 1993 (USAF, 1993).

3.3.5 Storage Tank and Settling Pond

The Storage Tank and Settling Pond were located adjacent to the southwestern corner of the Plating Building. The plating waste Storage Tank was an open-top, in-ground, rectangular tank. The walls of the tank were approximately 8 feet high. The tank was constructed of concrete, with an inner layer of acid brick and a fiberglass inner liner. The Storage Tank stored spent plating liquids prior to removal by an outside disposal contractor. Burnite was also stored in the tank from December 1990 to June 1991. Use of the Storage Tank was discontinued in June 1991 (USAF, 1993).

The Settling Pond was a brick-lined, open-top, in-ground tank. From 1952 to 1969, plating rinsewater was discharged to the Settling Pond for metals precipitation and then discharged to Little Choconut Creek through Outfall 001. Between 1969 and 1984, ferrous sulfate was added to plating rinsewaters before entering the Settling Pond to reduce hexavalent chromium to trivalent chromium and precipitate the metals. The treated rinsewater was discharged to the creek through Outfall 001. The precipitate was periodically transferred to the adjoining storage tank for subsequent disposal by a contractor.

In July 1984, a new plating rinsewater treatment and reuse system was installed. The plating rinsewater passed through the Settling Pond and grease trap, and was treated by anion and cation exchange columns. It was then stored in an underground tank for reuse. The brine generated during this process was placed in the Storage Tank and removed from the site by a contractor. In 1988, the treatment system became contaminated, and the system was abandoned. From 1988 to 1991, plating rinsewater was discharged into the sanitary sewer. Plating operations were discontinued in 1991, and the Storage Tank and Settling Pond have since been decommissioned and removed.

3.3.6 Former Gasoline Underground Storage Tank

The Gasoline Storage Tank was located north of the Manufacturing Building and east of the Office Building. The 1,000-gallon UST was removed in 1975. Other information on the history and condition of the site is not available (USAF, 1993).

3.3.7 JP-4 Piping Area

The Piping Area is located south of the Manufacturing Building. The underground pipeline leads from two 1,500-gallon above ground storage tanks containing JP-4 fuel to the Manufacturing Building. The fuel was used to test various aviation components (Earth Tech, 1996).

3.3.8 Oil/Water Separator

The former Oil/Water Separator was located near the southeast corner of the Special Programs Facility adjacent to the former waste oil storage tanks. Waste oils and kerosene-based degreasing solvents were discharged to the Oil/Water Separator from 1942 to 1953. Effluent from the separator was discharged to the storm sewer system that emptied into Little Choconut Creek through Outfall 002. In the 1970s, the separator was filled with sand and capped with concrete (USAF, 1993).

3.3.9 Transformer Area

Between 1998 and 1992, all known PCB-containing equipment was eliminated from the buildings (Earth Tech, 1996).The transformer area is located about 50 feet from the northeast corner of the manufacturing building.

3.3.10 East Basement TCE Soil Pile

The dimensions of the East Basement of the Manufacturing Building are approximately 300 feet (north to south) by 70 feet (east to west), and the average overhead clearance is approximately 8 feet. A grid of brick and concrete columns (10-foot-by-10-foot spacing) supports the main floor of the plant, and there is a concrete wall around the perimeter of the basement. The basement is currently used to store scrap material, and it has an unfinished dirt floor. There is one access point on the southeast end of the basement (with concrete stairs).

Two soil investigations were conducted in the East Basement to characterize the nature and extent of soil contamination: an initial soil screening investigation by BAE Systems between August 2002 and April 2003, and a soil investigation by Earth Tech in November 2004. These investigations identified TCE as the contaminant in soil. Based on the findings of the soil investigations conducted between 2002 and 2004, a January 14, 2005 letter report (Earth Tech, 2005a) recommended excavating 78 linear feet of the TCE-contaminated soil pile.

A total of 119 cubic yards of TCE-contaminated soil was removed from the East Basement in July 2005. The East Basement soil excavation removed all of the known VOC contamination above the NYSDEC *Technical and Administrative Guidance Memorandum (TAGM 4046): Determination of Soil Cleanup Objectives and Cleanup Levels* (NYSDEC, 1994) limits in basement soils except for TCE (48 milligrams per kilogram) identified at one location. The contaminated soil at this location

and depth was not removed due to structural concerns (i.e., undermining the structural columns and wall). However, the lateral extent of this contamination is limited, and the contamination is now covered with clean, compacted backfill (Earth Tech 2005c).

3.3.11 PCB Encapsulation

In 1993, PCB-stained building rafters were discovered in eight locations in Building 2 where PCB-containing transformers had been located (Earth Tech, 1996). PCBs in the wooden structure along the catwalk areas were encapsulated during the 1990s and 2000s.

3.4 Initial Response

In 1984, the USAF conducted an IRP Records Search (CH2MHill, 1984) for AFP 59. An RI was conducted, with the Final RI Report (Earth Tech, 1996) and baseline human health risk assessment being completed in 1996. Potential remedial alternatives for the cleanup of VOC-contaminated groundwater were evaluated in the Final Remedial Alternatives Informal Technical Information Report (Earth Tech, 1996). The Proposed Plan was completed in July 1999, and the USAF signed the ROD for AFP 59 in September 1999. The ROD selected the upgrade of the current groundwater treatment system at the Camden Street Well Field as the preferred method for cleanup of the VOCs in groundwater related to historical activities at AFP 59.

4 Remedial Action

Remedial action has occurred at the Camden Street Wellfield, prior to and after the development of the 1999 ROD, as discussed below.

4.1 Off-site Remedial Action

In June 1992, an air stripper was installed by Johnson City at the Camden Street Wellfield to reduce concentrations of 1,1,1-TCA to below the New York maximum contaminant level (MCL) of 5 micrograms per liter (µg/L). In September 1998, the USAF entered into a Memorandum of Understanding (MOU) with the Village of Johnson City to pay for: 1) the design and engineering costs of a treatment system (i.e., air stripper) upgrade; 2) the operation and maintenance costs of the existing air stripper from October 1, 1997 through September 30, 1998 (as an extension of a September 1996 agreement); 3) a portion of the construction costs for the air stripper upgrade; and 4) a portion of the operational costs of the air stripper for a period of 1 year following completion of construction. The MOU was a voluntary undertaking by the USAF and did not constitute any finding by either Johnson City or the State of New York that AFP 59 was the source of 1,1,1-TCA at the well field (Earth Tech, 1996). Once the treatment system was operating in June 1999, the remedy as described in the ROD was complete.

4.2 Regulatory Actions

The ROD for AFP 59 was signed by the USAF (19 May 1999).

4.3 Remedial Action Objectives

The remedial action objective (RAO) identified in the ROD was to protect human health from VOCs in groundwater related to historical activities at AFP 59. RAOs for VOCs detected in the shallow and deep zones of the aquifer were dictated by Federal and New York State groundwater standards.

4.4 Remedy Description

The ROD for AFP 59 identifies upgrading the Camden Street Well Field groundwater treatment system as the most appropriate remedial alternative for treating the VOCs in groundwater. An LTM program was established as part of the requirements defined in the ROD. The monitoring program, as defined in the April 27, 1999 letter to the NYSDEC (Earth Tech, 1999a), consisted of semiannual sampling of the following monitoring wells: SW1, DW1, SW3, DW3, SW4, and SW7. Monitoring wells SW1 and DW1 represent upgradient (background) wells; monitoring wells SW3 and DW3 represent downgradient wells; monitoring wells SW4 and SW7 (gradient is from SW4 to SW7) have historically had the highest concentrations of VOCs. Groundwater monitoring of VOCs was conducted semiannually as part of the LTM program from November 1998 until the program's conclusion with the November 2004 sampling event; however, groundwater monitoring continued due to the potential VI issue, as discussed below in Section 7.

Levels of hazardous substances are currently (based on the most recent sampling, conducted in November 2010) below MCLs in groundwater at the downgradient plant boundary (except for DCE above New York State standards in one deep well), the Camden Street Well Field and Johnson City drinking water.

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5 Progress Since the Last Five-Year Review

This is the first five-year review of the ROD for Former AFP 59. Because this remedy has been implemented and completed, the trigger date for subsequent five-year reviews will be the date of the implementation of a remedy to address VI that has been found during investigations at AFP 59.

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6 Five-Year Review Process

6.1 Administrative Components

Because a formal five-year review was not triggered by the requirements of CERCLA/Superfund Amendments and Reauthorization Act (SARA), no administrative process was required.

6.2 Community Involvement

Because no formal five-year review was required, and the remedy was immediately effective and protective of human health, no specific community involvement activities have been conducted since public meetings on the ROD and the announcement of the completion of the treatment facility upgrades during the summer of 1999. After the turnover of the facility to the Village of Johnson City, communication was the responsibility of the municipality.

6.3 Document Review

This five-year review consists of a review of relevant documents and information included in the References section of this report. Documents reviewed included *Final RI and Risk Assessment Report*, the *Proposed Plan*, and the *ROD for AFP 59*; the *Removal Action Completion Report for IRP Site 1*, documentation of removal actions, various groundwater monitoring reports, and the *Final VI RI for AFP 59*.

6.4 Data Review

This five-year review included an evaluation of groundwater monitoring data from November 1999 through the most recent sampling of six on-site and four off-site wells that were sampled in November 2009 for VOCs and 1,4-dioxane. Data review also included information evaluated in the VI RI (AECOM, 2011).

6.5 Site Inspection

For the first five-year review, USAF representatives and AECOM personnel inspected Former AFP 59 and the surrounding property for overall condition. Inspections of the site were conducted on numerous occasions during various field investigation activities. Site-specific security was not required by the final ROD and there are no access restrictions or physical controls such as caps or signs as part of the final remedy for Former AFP 59.

6.6 Interviews

It was not necessary to conduct interviews to collect information regarding implementation of the RA for AFP 59.

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7 Technical Assessment

Question A: Is the remedy functioning as intended by the decision documents?

Answer A: Yes. The data and documents reviewed, site inspections, and monitoring activities indicate the remedy for Former AFP 59 is functioning as intended by the ROD. There have been no changes in the physical conditions of the sites (i.e., geology or groundwater levels) that would negatively affect the protectiveness of the remedy.

The Camden Street Well Field groundwater treatment system was upgraded in June 1999. As defined in the April 27, 1999 letter to the NYSDEC (Earth Tech, 1999a), an LTM program was established that consisted of semiannual sampling of the following monitoring wells: SW1, DW1, SW3, DW3, SW4, and SW7. Monitoring wells SW1 and DW1 represent upgradient (background) wells; monitoring wells SW3 and DW3 represent downgradient wells; monitoring wells SW4 and SW7 have historically had the highest concentrations of VOCs. Groundwater monitoring of VOCs was conducted semiannually as part of the LTM program from November 1998 until the program's conclusion with the November 2004 sampling event; however, groundwater monitoring continues as a voluntary measure. Refer to Figure 8-1 for trends in VOC concentrations over time.

On September 2, 2009, samples were collected from the influent/raw and finished water at the Camden Street Wellfield to determine the potential impact of 1,4-dioxane and to determine if treatment may be necessary (the current treatment technology at the facility will not treat 1,4-dioxane). The 1,4-dioxane concentration in the influent/raw sample was 0.39J µg/L, and the 1,4-dioxane concentration in the finished water sample was 0.41J µg/L for the normal sample and 0.28J µg/L for the duplicate sample. Based on these results, it was concluded that 1,4-dioxane does not currently pose a concern to the drinking water supply at the Camden Street Wellfield.

Sampling conducted by the Johnson City Water Department over the last decade has not shown exceedances of drinking water standards (see Appendix A).

Question B: Are the exposure assumptions, toxicity data, cleanup levels, and RAOs used at the time of the remedy selection still valid?

Answer B: Yes. The exposure assumptions and toxicity data used to conduct the risk assessment, as well as cleanup levels and RAOs used at the time of the remedy selection, are still valid. There are no new human or ecological pathways or receptors affecting the risk assessment. Current monitoring data indicate that the remedy is functioning as required to remove VOC contamination from the groundwater. Human and ecological risk data were adequately addressed when the remedy was selected at AFP 59 (Earth Tech, 1996a). Land use adjacent to Former AFP 59 is still zoned as it was when the risk assessment was conducted in 1996. Therefore, no new off-site exposure pathways or receptors have been identified since the completion of the risk assessment. The current remedy offers continued protection, in accordance with CERCLA Section 121.

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

Answer C: No. However, subsequent investigations at AFP 59 have revealed other contaminant issues that may require RA in the future. These are discussed in Section 8 Issues.

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8 Issues

Table 8-1 lists the issues raised in this first five-year review report for remedies at AFP 59. These investigations are discussed in more detail below.

Table 8-1: Issues Raised in Five-Year Review of AFP 59

Issue	Currently Affects Protectiveness (Y/N)	Affects Future Protectiveness (Y/N)
Subsequent investigations have revealed soil vapor exceedances within the main industrial building at AFP 59.	N	N

Groundwater Sampling A TCE-contaminated soil pile located upgradient of monitoring wells SW3, DW3, SW4, and SW7 was excavated from the western wall of the East Basement of the Manufacturing Building in July 2005. Although the LTM program had concluded in November 2004, the USAF agreed to conduct two additional rounds of groundwater sampling after the excavation of TCE-contaminated soil pile. The October 2006 sampling event concluded this agreement and the analytical data generated during this LTM sampling event indicated that the soil removal action had no negative impact to the groundwater quality at AFP 59: groundwater contaminant concentrations had declined since the soil excavation and it was recommended that the groundwater monitoring program be discontinued (Earth Tech, 2007). However, based on input from the NYSDEC and NYSDOH, a more comprehensive VI investigation was recommended, with an additional round of groundwater sampling to confirm the results of the VI-related activities.

Groundwater samples collected in November 2009 were analyzed for VOCs and for 1,4-dioxane. Table 8-2 presents concentrations of the most commonly detected chlorinated hydrocarbons in groundwater at AFP 59 over time. Only monitoring wells that were sampled as part of the groundwater monitoring program at AFP 59 are included in the table; Figure 8-1 presents the corresponding trend analysis plots. Concentrations of the chlorinated VOCs have remained relatively constant or have decreased over time in most of the monitoring wells, with the one exception being monitoring well DW3. Concentrations of cis-1,2-dichloroethane (cis-1,2-DCE) in DW3 have varied over time between non-detect and 73.1 µg/L (June 2008), with concentrations decreasing since June 2008. Concentrations in SW4 and SW7, historically the wells with the highest concentrations, have decreased from elevated detections in the mid 1990s to detections near or below the NYSDEC groundwater quality standards since 1999. No chlorinated VOCs have been detected in monitoring wells SW1 and DW1 since at least November 2001, and no detections have ever exceeded the NYSDEC groundwater quality standards.

The concentrations of TCE in SW4 (11.1 µg/L) and cis-1,2-DCE in SW7 (5.21 µg/L) were the only VOC detections that exceeded New York State Drinking Water Standards in any of the shallow monitoring wells. However, because no VOCs were detected above drinking water standards in monitoring well SW3, located along the western (downgradient) boundary of the site, groundwater in the shallow zone of the aquifer that migrates off site toward the Camden Street Well Field complies with drinking water standards.

In the deep monitoring wells, the only contaminant that exceeded New York State Drinking Water Standards was cis-1,2-DCE in monitoring well DW3 (64.3 µg/L), located along the western (downgradient) boundary of the site. Therefore, based on the results of the groundwater sampling activities, groundwater exceeding drinking water standards is migrating off AFP 59 property in the deep zone of the aquifer.

The results of the on-site groundwater sampling were confirmed by the results of the off-site groundwater sampling conducted in November 2009. While no detections in the shallow off-site monitoring wells exceeded drinking water standards, the cis-1,2-DCE detection in monitoring well URS_2D (72.7 µg/L) did exceed drinking water standards.

Groundwater was again sampled in November 2010 and levels of hazardous substances were below MCLs in groundwater at the downgradient plant boundary and the Camden Street Well Field, with the exception of DW-3 showing cis-1,2-DCE above NYSDOH standards. However, this concentration was much lower than the 2009 result. A map of with monitoring well locations is included as Figure 3-4.

Vapor Intrusion Investigation – Manufacturing Building. Two soil-gas samples were collected in November 2004 to evaluate the potential off-site migration of soil gas downgradient of the chlorinated hydrocarbon plume. Elevated concentrations of chlorinated hydrocarbons were detected. Additional soil-gas samples were collected in October/November 2006 around the periphery of the Manufacturing Building (Earth Tech, 2007), and elevated concentrations of chlorinated hydrocarbons were once again detected.

Based on the two above investigations, the NYSDEC requested that a VI investigation be initiated for the Manufacturing Building at AFP 59. As a result, in January 2008, Earth Tech collected co-located indoor air and sub-slab vapor samples at six locations inside the Manufacturing Building (Earth Tech, 2008).

Based on the NYSDOH *Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York* (NYSDOH, 2006), five of the sample locations exceeded concentrations for monitoring and/or mitigation in the guidance matrices for four compounds (TCE, tetrachloroethene [PCE], 1,1,1-TCA, and carbon tetrachloride). Therefore, the NYSDEC and NYSDOH recommended further investigation be conducted to evaluate the VI pathway at AFP 59, which resulted in the VI RI.

Data Gap Investigation – Fire Suppression Reservoir. Based on the results from the November 2004 and October/ November 2006 soil-gas investigations described above, the NYSDEC and NYSDOH requested that additional soil-gas sampling be conducted on the western side of AFP 59 to address data gaps. As a result, in June 2008, AECOM collected six additional soil-gas samples at AFP 59 and one soil-gas sample at an off-site location in the residential neighborhood west of AFP 59 (AECOM, 2009a). Elevated VOC concentrations were again detected around the Fire Suppression Reservoir, and VOCs were detected at low concentrations adjacent to monitoring well URS_2S (west of AFP 59).

Based on the results of the investigation, the report recommended additional soil-gas sampling around the Fire Suppression Reservoir (leading to the current investigation) and concluded that VOCs may be migrating off site into the neighborhood west of AFP 59.

LTM and Soil-Gas Investigation. Groundwater samples were collected in June 2008 at six on-site monitoring wells (SW1, DW1, SW3, DW3, SW4, and SW7) and two off-site monitoring wells (URS_2S and URS_2D) and were analyzed for VOCs. Five of the on-site monitoring wells (SW1, SW3, DW3, SW4, and SW7) were also analyzed for 1,4-dioxane. In November 2008, groundwater samples were collected from four monitoring wells (SW3, DW3, SW4, and SW7) and were analyzed for VOCs (AECOM, 2009). The results of the 2008 sampling indicated that, although VOC concentrations in the shallow monitoring wells generally decreased since the October 2005, concentrations of TCE and 1,1-dichloroethane, and cis-1,2-DCE exceeded the New York State Drinking Water Standard of 5 µg/L; cis-1,2-DCE exceeded the drinking water standard in the deep monitoring wells. Based on the results of the LTM activities, groundwater with contaminants that exceed the New York State Drinking Water Standards was determined to be migrating off of AFP 59 property in the deep monitoring wells. Additional groundwater monitoring was recommended to monitor the off-site migration of contaminants (AECOM, 2009).

Vapor Intrusion Remedial Investigation. Based on these previous investigations, NYSDEC and NYSDOH:

1. Recommended further investigation be conducted to evaluate the VI pathway at the Manufacturing Building at AFP 59, and
2. Requested that additional soil-gas sampling be conducted on the western side of AFP 59 to address data gaps.

AECOM completed an on- and off-site VI investigation, an investigation to determine the nature and extent of contamination surrounding the Fire Suppression Reservoir, sampling of six existing on-site and five off-site monitoring wells for VOCs and 1,4-dioxane, and abandonment of five USGS monitoring wells at or adjacent to AFP 59 (three wells were not located or accessible) (AECOM, 2011).

Conclusions. Important conclusions from the VI investigation of the Manufacturing Building include:

- Although there were TCE detections and one methylene chloride detection in indoor air that exceeded the NYSDOH air guideline values, it is clear that there is no immediate health risk related to the VI pathway at AFP 59. Only four TCE indoor air detections from the November 2009 and February 2010 sampling events combined exceeded the air guideline value of 5 micrograms per cubic meter (µg/m^3). While 44 TCE indoor air detections exceeded 5 µg/m^3 from the August 2009 sampling event, it is clear that background sources contributed to measured indoor air concentrations.
- The 0- to 10-foot interval beneath the building slab is very heterogeneous, with a lean clay encountered at most direct push locations at varying depths within the interval. The presence of significant amounts of clay in the upper 10 feet likely acts as a barrier to vertical migration of contamination. Additionally, the heterogeneous nature of the fill likely allows for a complex distribution of VOCs in vapor beneath the slab, with vapors migrating in the more transmissive portions of the fill.

Table 8-2: Trend Analysis of VOCs in Groundwater

Well ID	Date Sampled	Concentration of Analyte in Groundwater (μg/L)					
		TCA	TCE	VC	1,1-DCE	1,2-DCE	1,1-DCA
SW1	Sept. 1986[1]	--	--	--	--	--	--
	Jan. 1992[2]	0.5	--	--	--	--	--
	Dec. 1994[3]	--	--	--	--	--	--
	Nov. 1999[3]	--	--	--	--	--	--
	May 2000[3]	--	--	--	--	--	--
	Nov. 2000[3]	--	--	--	--	--	--
	May 2001[3]	--	--	--	--	--	--
	Nov. 2001[3]	0.11 J	--	--	--	--	--
	May 2002[3]	--	--	--	--	--	--
	May 2003[3]	--	--	--	--	--	--
	Nov. 2003[3]	--	--	--	--	--	--
	Jun. 2004[3]	--	--	--	--	--	--
	Nov. 2004[3]	--	--	--	--	--	--
	Oct. 2005[3]	--	--	--	--	--	--
	Jun. 2008	--	--	--	--	--	--
	Nov. 2008	NS	NS	NS	NS	NS	NS
	Nov. 2009[1]	--	--	--	--	--	--
	Nov. 2010	0.11	--	--	--	--	--
DW1	Jan. 1992[2]	0.6	--	--	--	--	--
	Dec. 1994[3]	--	--	--	--	1.8 (c)	--
	Nov. 1999[3]	--	--	--	--	--	--
	May 2000[3]	--	--	--	--	--	--
	Nov. 2000[3]	--	--	--	--	--	--
	May 2001[3]	--	--	--	--	--	--
	Nov. 2001[3]	--	--	--	--	--	--
	May 2002[3]	--	--	--	--	--	--
	May 2003[3]	--	--	--	--	--	--
	Nov. 2003[3]	--	--	--	--	--	--
	Jun. 2004[3]	--	--	--	--	--	--
	Nov. 2004[3]	--	--	--	--	--	--
	Oct. 2005[3]	--	--	--	--	--	--
	Jun. 2008	--	--	--	--	--	--
	Nov. 2008	NS	NS	NS	NS	NS	NS
	Nov. 2009	--	--	--	--	--	--
	Nov. 2010	0.18	--	--	--	--	--

Table 8-2: Trend Analysis of VOCs in Groundwater (Continued)

Well ID	Date Sampled	Concentration of Analyte in Groundwater (μg/L)					
		TCA	TCE	VC	1,1-DCE	1,2-DCE	1,1-DCA
SW3	Sept. 1986[1]	--	**6**	--	--	--	--
	Jan. 1992[2]	**12**	**9**	--	--	--	**5**
	Dec. 1994[3]	0.50	1.8	--	--	--	--
	Dec. 1995[3]	0.86	2.8	--	--	0.44 (c)	--
	July 1997[4]	--	1	--	--	--	--
	Nov. 1998[3]	0.22	0.81	--	--	0.10 (c)	--
	Apr. 1999[3]	0.51	0.71	--	--	0.17 (c)	--
	Nov. 1999[3]	0.29	0.9	--	--	0.39 (c)	--
	May 2000[3]	0.69	1	--	--	1.29 (c)	0.55
	Nov. 2000[3]	0.43	0.9	--	--	0.22 (c)	--
	May 2001[3]	0.46	0.8	--	--	1.29 (c)	0.32
	Nov. 2001[3]	0.32 J	0.5 J	--	--	--	--
	May 2002[3]	0.42 J	0.8 J	--	--	0.46 J	--
	May 2003[3]	0.584 J	0.893 J	--	--	1.37 J (c)	0.302 J
	Nov. 2003[3]	0.398 J	0.856 J	--	--	0.511 J (c)	--
	Jun. 2004[3]	0.9 J	0.94 J	--	--	3.7 (c)	0.95 J
	Nov. 2004[3]	0.52 J	1.0	0.26 J	--	1.5 (c)	0.38 J
	Oct. 2005[3]	0.47 J	0.86 J	--	--	0.55 J (c)	--
	Jun. 2008	0.661 J	1.31	--	--	1.45 (c)	0.403 J
	Nov. 2008	0.345 J	0.759 J	--	--	--	--
	Nov. 2009	0.367 J	0.62 J	--	--	0.539 J (c)	--
	Nov. 2010	0.41	0.59	--	--	0.17 (c)	--
DW3	Jan. 1992[2]	0.3	--	--	--	--	0.3
	Dec. 1994[3]	--	--	0.28	--	**36 (c)**	0.26
	Dec. 1995[3]	--	--	--	--	**5.2 (c)**	--
	April 1997[4]	--	--	--	--	**41 (c)**	--
	July 1997[4]	--	--	--	--	**49 (c)**	--
	Nov. 1998[3]	--	--	0.35	--	**66 (c)**	0.34
	Apr. 1999[3]	--	--	0.28	0.11	**67 (c)**	0.35
	Nov 1999[3]	--	--	--	--	--	0.11
	May 2000[3]	--	--	--	--	0.25 (t) **24.98 (c)**	0.16
	Nov. 2000[3]	--	--	--	--	**16.85 (c)**	--
	May 2001[3]	--	--	--	--	**13.29 (c)**	--
	Nov. 2001[3]	--	--	--	--	**13.58 (c)**	--
	May 2002[3]	--	--	--	--	**21.08 (c)**	0.1 J
	May 2003[3]	--	--	--	--	--	--
	Nov. 2003[3]	--	--	--	--	1.18 J (c)	--
	Jun. 2004[3]	--	--	--	--	1.3 (c)	--

Table 8-2: Trend Analysis of VOCs in Groundwater (Continued)

Well ID	Date Sampled	Concentration of Analyte in Groundwater (μg/L)					
		TCA	TCE	VC	1,1-DCE	1,2-DCE	1,1-DCA
DW3 (Cont'd)	Nov. 2004[3]	--	--	--	--	2.1 (c)	--
	Oct. 2005[3]	--	--	--	--	3 (c)	--
	Jun. 2008[3]	--	--	--	--	**73.1 (c)**	--
	Nov. 2008[3]	--	--	--	--	**67.3 (c)**	0.41 J
	Nov. 2009[3]	--	--	--	--	**64.3 (c)**	0.369 J
	Nov. 2010	--	--	--	--	**8.4 (c)**	--
SW4	Jan. 1992[2]	2	**97**	--	0.3	--	0.6
	Dec. 1994[3]	**20**	**370**	--	2.1	**19 (c)**	**8.5**
	Dec. 1995[3]	**34**	**1200**	--	4.9	2.1 (t) **34 (c)**	**6.9**
	April 1997[4]	--	--	--	--	**71 (c)**	**7.1**
	July 1997[4]	**23**	**290**	--	--	**15 (c)**	--
	Nov. 1998[3]	**8.0**	**46**	0.42	0.82	**10 (c)**	**9.0**
	Apr. 1999[3]	1.9	**9.53**	--	--	1.85 (c)	0.87
	Nov. 1999[3]	2.13	**9.5**	--	0.18	**7.15·(c)**	**7.7**
	May 2000[3]	2.88	**8**	0.11	0.21	0.49 (t) 4.3 (c)	1.67
	Nov. 2000[3]	1.14	**15.2**	1.49	0.29	**11.18 (c)**	**15.25**
	May 2001[3]	3.35	**34**	--	0.36	0.38 (t) 3.19 (c)	1.3
	Nov. 2001[3]	0.88	**5.7**	0.43 J	0.12 J	**5.27 (c)**	**7.18**
	May 2002[3]	2.54	**21.63**	--	0.34 J	2.07 (c)	0.79 J
	May 2003[3]	3.05 J	**9.09 J**	--	--	3.36 J (c)	1.44 J
	Nov. 2003[3]	2.03	4.63	--	--	1.93 (c)	0.93
	Jun. 2004[3]	2.8	**41**	--	0.57 J	0.11 (t) 3.3 (c)	1.3
	Nov. 2004[3]	3.1	**56**	--	0.88 J	0.19 J (t) 4.1 (c)	1.4
	Oct. 2005[3]	2.2	**43**	--	1	**6.3 (c)**	1.7
	Jun. 2008[3]	2.98	**17.8**	--	0.751 J	4.35 (c)	1.51
	Nov. 2008[3]	0.513 J	**12.7**	--	--	3.38 (c) 0.364 J (t)	0.825 J
	Nov. 2009[3]	1.38	**11.1**	--	--	1.85 (c)	0.536 J
	Nov. 2010	1.6	**48**	--	0.64	3.2 (c)	1.1
SW7	Dec. 1994[3]	4.6	**15**	**6.2**	1	0.3(t) **150(c)**	33
	Dec. 1995[3]	2.2	**7.9**	**6.8**	0.80	**130 (c)**	20
	July 1997[4]	--	4	--	--	2 (c)	--
	Nov. 1998[3]	2.5	**11**	**3.4**	0.65	0.28 (t) **82 (c)**	12
	Apr. 1999[3]	1.23	3.95	--	--	**5.25 (c)**	1.46
	Nov. 1999[3]	1.01	**5.7**	--	0.19	**18.8·(c)**	3.38

Table 8-2: Trend Analysis of VOCs in Groundwater (Continued)

Well ID	Date Sampled	Concentration of Analyte in Groundwater (μg/L)					
		TCA	TCE	VC	1,1-DCE	1,2-DCE	1,1-DCA
SW7 (Cont'd)	May 2000[3]	0.67	1.5	--	--	0.12 (t) 2.43 (c)	0.71
	Nov. 2000[3]	0.91	3.8	0.52	0.15	**16.06 (c)**	3.48
	May 2001[3]	1.18	1.9	--	--	1.46 (c)	0.47
	Nov. 2001[3]	0.8 J	4.7	0.85 J	0.19 J	0.13 J (t) **25.89 (c)**	3.02
	May 2002[3]	0.87 J	1.65	--	--	2.79 (c)	0.47 J
	May 2003[3]	1.5 J	1.44 J	--	--	1.43 J (c)	0.409 J
	Nov. 2003[3]	0.674 J	1.64	--	--	2.76 (c)	0.509
	Jun. 2004[3]	1	1	--	--	1.1 (c)	0.3 J
	Nov. 2004[3]	1.5	2.1	0.47 J	0.25 J	**10 J (c)**	1.5 J
	Oct. 2005[3]	0.73 J	3.1	--	--	**12 (c)**	1.4
	Jun. 2008[3]	2.5	2.94	--	--	**6.34 (c)**	1.59
	Nov. 2008[3,4]	1.88	**8.15**	1.21 M--	--	0.302 J (t) **35.3 M (c)**	**5.04**
	Nov. 2009[3]	1.24	2.42	--	--	**5.21 (c)**	0.905 J
	Nov. 2010	1	2.4	1	0.21	0.096 (t) 4.3 (c)	0.58

Key:

μg/L	= Micrograms per liter	VC	= Vinyl chloride
(c)	= cis-1,2-Dichloroethene	1,1-DCE	= 1,1-Dichloroethene
(t)	= trans-1,2-Dichloroethene	1,2-DCE	= 1,2-Dichloroethene
TCA	= 1,1,1-Trichloroethane	1,1-DCA	= 1,1-Dichloroethane
TCE	= Trichloroethene	DPW	= Deep production well
(1)	= Fred C. Hart Associates	(3)	= Earth Tech
(2)	= Argonne National Laboratories	(4)	= United States Geological Services

Notes:
1. At monitoring well locations where a duplicate groundwater sample was collected, the higher analytical value between the normal and duplicate samples is reported in this table.
2. For 1992 data, the maximum value of either round A or B of sampling was used.
3. Concentrations in bold font exceed the New York State Drinking Water Standard for the associated compound.
4. M = Matrix Effect. The concentration is estimated due to a matrix effect.

- Of all the VOCs, including the seven that are addressed by NYSDOH guidance, TCE is the compound detected at the highest concentrations and frequencies, and it is the compound that overwhelmingly drove the most recommended actions of —Mitigate, —Monitor/Mitigate, or —Monitor. Therefore, it is the most significant VOC relative to VI.
- Typical vertical distribution of VOCs at the Manufacturing Building is as follows: low-level indoor air contamination, elevated sub-slab vapor contamination, elevated shallow soil-gas and moderate deeper soil-gas contamination (with concentrations generally decreasing with depth), and low-level groundwater contamination.
- The spatial distribution of VOCs at the Manufacturing Building is complex. TCE was detected at the highest concentrations and frequencies in indoor air, and TCE and 1,1,1-TCA were detected at the highest concentrations and frequencies in sub-slab vapors (see Figure 8-1 for sub-slab TCE concentrations). Other chlorinated and petroleum VOCs were also detected at significant concentrations. And while areas of elevated concentrations for specific compounds were fairly consistent from round to round (e.g., TCE and 1,1,1-TCA), the areas of elevated concentrations sometimes varied from compound to compound (e.g., elevated TCE sub-slab vapor concentrations didn't always coincide with elevated 1,1,1-TCA sub-slab concentrations).
- Indoor air data generated during the first round of sampling was significantly different than the data generated during the two subsequent rounds of sampling in the following ways: the frequency of TCE detections was higher, the magnitude of TCE detections was significantly higher, and the distribution of TCE was more widespread.
- TCE was detected at significant concentrations in outdoor air samples, particularly during the first round when TCE was detected at 4.57 $\mu g/m^3$ (which is well above the 1.3 $\mu g/m^3$ industrial background concentration for outdoor air). This elevated outdoor air concentration coincides with the round of elevated TCE indoor air concentrations, and may at least partially explain the elevated indoor air concentrations.
- Chlorinated VOCs, as PCE, was detected in only one of the the passive air samples at a concentration of 0.03 µg. Of the four air duct vapor samples analyzed for VOCs, the following analytes were detected in every sample: TCE (maximum concentration of 913.16 $\mu g/m^3$, 1,1,1-TCA (maximum concentration of 70.9 $\mu g/m^3$), PCE (maximum concentration of 8.14 mg/m^3), and carbon tetrachloride (maximum concentration of 5.03 $\mu g/m^3$).
- Inadequate historical information on plant operations combined with insufficient data to fully delineate source areas means that identifying specific legacy releases responsible for the contamination under the Manufacturing Building is not possible. However, the following general conclusions related to sub-slab vapor sources can be drawn from the data:
    1. The elevated sub-slab vapor and shallow soil-gas concentrations are not related to: a) compounds volatilizing off a stable groundwater plume and diffusing upward through the soil column to beneath the slab; b) deeper sources, such as former USTs (although piping from USTs into the building may be a possibility); and c) infiltration into the subsurface from the building being under positive pressure (aka, a current vapor plume).
    2. The elevated sub-slab vapor and shallow soil-gas concentrations may be related to: a) legacy releases associated with building operations (including a former vapor plume); legacy releases to and transport through the storm or sanitary sewer systems; and c) the former petroleum-containing UST and the abandoned fuel lines that run from the UST in the parking into the building.
- Potential sources of indoor air were identified, including the current use of TCE in a laboratory inside Room 842. Another very likely, and potentially significant, source of indoor air contamination is the outdoor air, which enters the building through the HVAC system, open doorways, open windows, and other openings in the building. TCE and other chemicals of concern (e.g., PCE, carbon tetrachloride, cis-1,2-DCE, etc.) were commonly detected in outdoor air during all three sampling events.
- In evaluating transport pathways related to VI, the following general conclusions can be drawn from the data:
    1. Shallow vapor contamination is diffusing downward through the vadose zone at AFP 59 rather than volatilizing off a stable groundwater plume and diffusing upward through the vadose *zone to beneath* the slab.
    2. Diffusion of vapors also occurs laterally beneath the slab, creating a complex distribution of sub-slab vapors.
    3. Intrusion of vapors into the building can occur through diffusion, advection/convection, and preferential pathways through the slab. Evaluation of the pathways is very difficult due to the complex building configuration and construction.
- The complex configuration and construction of the building makes evaluation of the VI pathway very difficult, particularly the interpretation of co-located indoor air and sub-slab results. Difficulties include:
    - A large percentage of the building floor space has 1.5 inches of wood overlying the concrete slab, with a small (0.5-inch) air gap between the wood and concrete. Because of the air gap, vapor may migrate through the slab into the air space, migrate laterally some distance through the air space, and then migrate upward through the wooden floor into indoor air.

- The layout of the building varies greatly in areas of office space, laboratories, manufacturing, open hallways, etc. Some areas are typically under positive pressure (e.g., laboratories), some areas have fluctuating positive and negative pressures (e.g., office space), and some areas are typically under negative pressure (e.g., open hallways). There are also many doorways to the outdoors (including loading dock areas), which are areas that allow for increased air exchange.

  Many lines of evidence were evaluated as part of this VI investigation, but evaluation of the VI pathway is challenging. VI is by nature a challenging pathway, but AFP 59 also presents some unique challenges (e.g., the building construction). Some lines of evidence suggest VI is occurring, while others indicate that background sources contribute to measured indoor air concentrations (thereby diminishing the significance of the indoor air detections). Data collected during the VI investigation can be used to make decisions on recommended future actions, but before decisions are made, it is critical to determine what guidance or standards are going to be used in driving any future action. For example, the use of NYSDOH guidance will result in a different outcome than the use of Occupational Health and Safety Administration standards (AECOM, 2011).

NYSDOH Guidance. As discussed in Section 4, the NYSDOH, in conjunction with other agencies, has developed decision matrices that serve as risk management tools to provide guidance about actions that should be taken to address current and future potential exposures via soil VI. Actions recommended in the matrices are based on the relationship between sub-slab vapor concentrations and corresponding indoor air concentrations for TCE, 1,1,1-TCA, vinyl chloride, PCE, carbon tetrachloride, cis-1,2-DCE, and 1,1-DCE. The recommended actions are intended to address both current and potential future human exposures.

A summary of the overall recommended actions follows below:

- **Mitigate:** 58 of the 120 sample locations resulted in this recommended action.
- **Monitor/mitigate:** 3 of the 120 sample locations resulted in this recommended action.
- **Monitor:** 22 of the 120 sample locations resulted in this recommended action.
- **Identify source(s) and reduce exposures:** 37 of the 120 sample locations resulted in this recommended action.
- **No Further Action:** 0 of the 120 sample locations resulted in this recommended action.

Therefore, if the NYSDOH guidance is strictly followed, approximately half of the locations inside the Manufacturing Building require mitigation, with the locations distributed throughout the main Manufacturing Building. The only two areas that would not require mitigation are the Office Building (i.e., the northern portion of the building) and northwest portion of the main Manufacturing Building (see Figure 8-2). However, this is very conservative based on the following factors (AECOM, 2011):

Suppression Reservoir. Based on the results from investigations conducted between 2004 and 2008, additional soil-gas, soil and groundwater sampling was conducted at 36 direct push locations around the Fire Suppression Reservoir in August and November 2009. The distribution of contamination is described below.

Chlorinated VOCs were detected at relatively low frequencies and concentrations in soil samples, with TCE and 1,1,1-TCA being detected at the highest frequencies and concentrations. The NYSDEC Unrestricted Use Cleanup Level and the Protection of Groundwater Cleanup Level for TCE (470 micrograms per kilogram [µg/kg]) was only exceeded in three samples (DP003 at 8 feet bgs, DP004 at 3 feet bgs, and DP025 at 8 feet bgs), and the NYSDEC Unrestricted Use Cleanup Level and the Protection of Groundwater Cleanup Level for 1,1,1-TCA (680 µg/kg) was only exceeded in four samples (DP004 at 3 feet bgs, DP004 at 7 feet bgs, DP022 at 4 feet bgs, and DP031 at 4 feet bgs). Generally speaking, the highest concentrations were detected in shallower soil samples. For example, TCE and 1,1,1-TCA were detected at 13,200 µg/kg and 6,700 µg/kg, respectively, in the sample collected from 3 feet bgs at DP004, but TCE and 1,1,1-TCA were only detected at 389 µg/kg and 1,920 µg/kg, respectively, in the sample collected from 7 feet bgs at DP004. The two notable exceptions are DP003 and DP025: TCE was only detected at 23.5 µg/kg in the sample collected from 5 feet bgs at DP003, but at 585 µg/kg in the sample collected from 8 feet bgs; TCE was only detected at 71.3 µg/kg in the sample collected from 4 feet bgs at DP025, but at 4,870 µg/kg in the sample collected from 8 feet bgs.

Chlorinated VOCs were detected at high frequencies and concentrations in soil-gas samples, with TCE and 1,1,1-TCA being detected at the highest frequencies and concentrations. TCE and 1,1,1-TCA were detected in all of the soil-gas samples; TCE was detected at a maximum concentration of 42,972.17 µg/m^3 (DP007 at 4 feet bgs), and 1,1,1-TCA was detected at a maximum concentration of 103,624.8 µg/m^3 (DP018 at 4 feet bgs). In addition to TCE and 1,1,1-TCA, cis-1,2-DCE, 1,1-DCE, and 1,1-dichloroethane (1,1-DCA) were also detected at high concentrations; cis-1,2-DCE was detected at a maximum concentration of 16,645.93 µg/m^3 (DP018 at 4 feet bgs), 1,1-DCE was detected at a maximum concentration of 2,298.72 µg/m^3 (DP007 at 4 feet bgs), and 1,1-DCA was detected at a maximum concentration of 10,518.9 µg/m^3 (DP018 at 4 feet bgs). Other chlorinated VOCs were detected at lower frequencies and concentrations.

The highest TCE and 1,1,1-TCA soil-gas concentrations were detected at locations east and south of the Fire Suppression Reservoir, and areas of the highest concentrations are bound by the sample locations. Soil-gas contamination could not be

further delineated to the west and south due to the plant boundaries. Although VOCs do appear to be migrating off-site to the west and south, there are no residential areas immediately adjacent to these areas. Soil-gas contamination to the north and east was delineated during the October/November 2006 and June 2008 sampling events (Earth Tech, 2007 and AECOM, 2009a; see results for points SG-07, SG-11, SG-31, SG-33, SG-34, and SG-35).

TCE and 1,1,1-TCA were detected at high frequencies but low concentrations in groundwater samples collected around the Fire Suppression Reservoir. TCE was detected in all samples, with a maximum concentration of 5.91 µg/L (DP019); 1,1,1-TCA was detected in nine of ten samples, with a maximum concentration of 14.2 µg/L (DP019). The TCE and 1,1,1-TCA detections at DP019 exceeded NYSDEC groundwater quality standards. In addition to TCE and 1,1,1-TCA, cis-1,2-DCE (5.62 µg/L), and 1,1-DCA (10.3 µg/L) also exceeded groundwater quality standards in the sample collected from DP019. No other detections exceeded groundwater quality standards.

Given that the highest concentrations were detected in shallow soil gas, that there are generally decreasing soil-gas concentrations with depth, and that there is only low-level groundwater contamination, shallow contamination is diffusing downward through the vadose zone in the area of the Fire Suppression Reservoir. Therefore, the sources of contamination are likely legacy releases from around the reservoir, and are not related to compounds volatilizing off a stable groundwater plume and diffusing upward through the vadose zone to beneath the slab (AECOM, 2011).

Off-site Residential Vapor Intrusion Assessment. The off-site residential VI investigation was conducted in February 2010 to identify current or potential residential exposures to subsurface VOC contamination associated with AFP 59. Indoor air and sub-slab vapor sampling results (for TCE, carbon tetrachloride, 1,1,1-TCA, and PCE) were compared to the NYSDOH decision matrices to determine if additional sampling and/or RAs were necessary to mitigate potential risks at any of the five houses that were sampled. Based on February 2010 indoor air and sub-slab vapor sampling results, the final recommended actions (based on the most conservative recommendation from each of the four chemicals) were as follows:

- Identify source(s) and reduce exposures at four of the five houses, and No Further Action at one of the five houses.
- At the completion of the off-site residential VI assessment, a letter was sent to each house on behalf of the USAF to inform the resident of the air sampling results and the recommended action of no additional sampling or RA. The letters concluded that indoor air detections (where encountered) were likely due to indoor and/or outdoor sources rather than VI, and that steps should be taken to identify potential source(s) and reduce potential exposures by keeping containers of volatile chemical-containing products tightly capped or by storing these products in places where people do not spend much time, such as a garage or shed (AECOM, 2011).

Flooding and Decision to Vacate and Demolish AFP 59. After severe flooding of the property during 2011, the plant has been vacated and the building is now planned for demolition. Given the fact that the building is no longer occupied and is planned for demolition, occupational exposure associated with VI will no longer be an issue. Any remaining contamination will be addressed during demolition, if necessary.

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9 Recommendations and Follow-Up Actions

Table 9-1 presents recommendations for each issue identified as potentially affecting the protectiveness of the remedy currently or in the future as set forth in Table 8-1. This table identifies the party responsible for implementing the recommendation.

Table 9-1: Recommendations and Follow-Up Actions at AFP 59

Issue	Recommendations/ Follow-up Actions	Party Responsible	Oversight Agency	Milestone Date	Affects Protectiveness? (Y/N)	
					Current	Future
VI exceedances (not addressed in ROD and do not affect protectiveness of current RA).	Develop RAs for VI if required	USAF	NYSDEC	NA	N	N

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10 Protectiveness Statement

The treatment of off-site VOC-contaminated groundwater prior to discharge into the local public drinking water system was the remedy selected in the 1999 ROD for AFP 59 and has been and is expected to continue to be protective of human health and the environment. Exposure pathways that could result in unacceptable risks are being controlled. Current Johnson City monitoring data indicate that the groundwater treatment system upgrade selected in the 1999 ROD is functioning as required to achieve cleanup goals.

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11 Next Review

The next five-year review for AFP 59 will be required when the RA for soil vapor exceedances is selected and implemented.

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Figures

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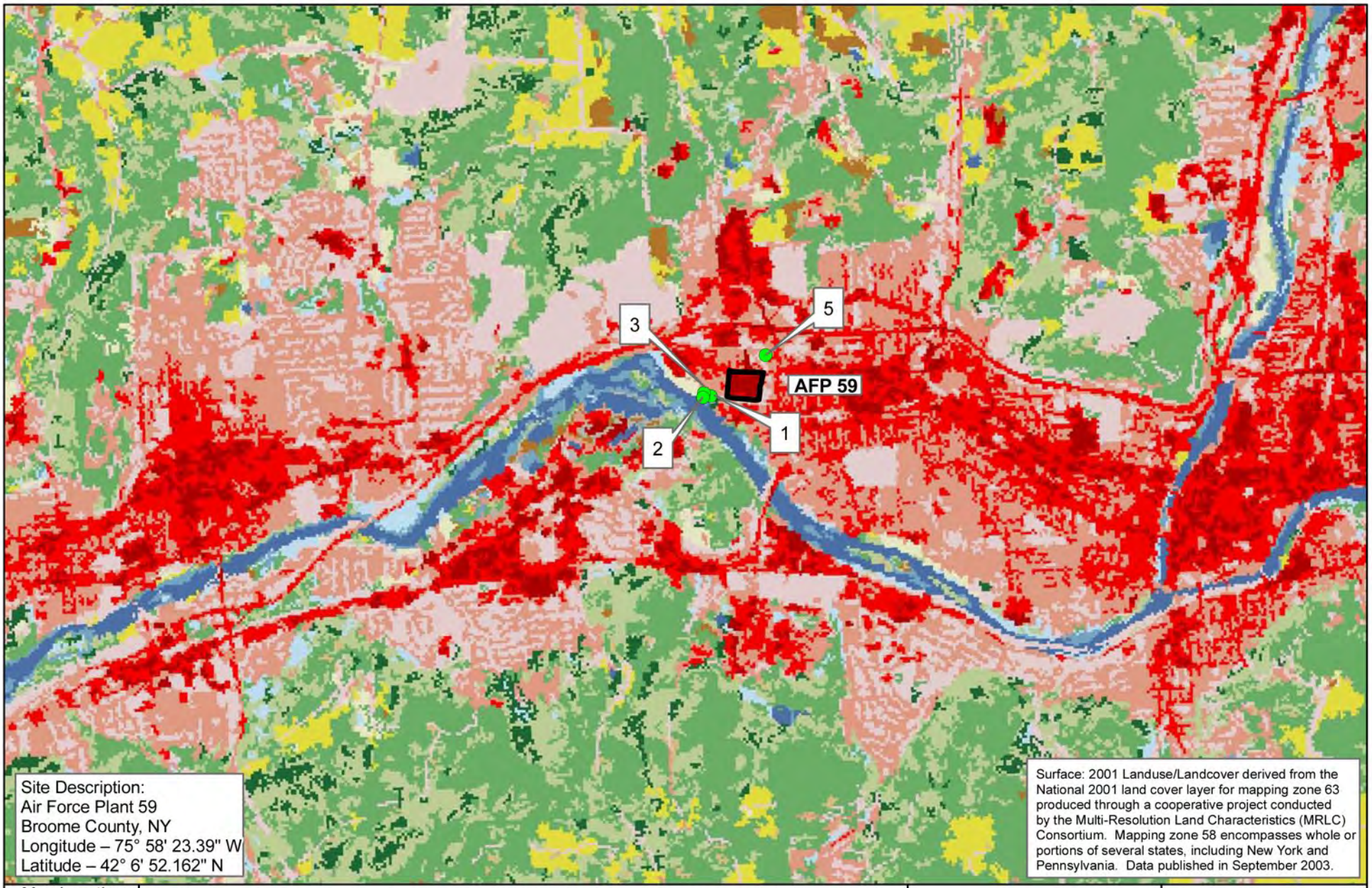
AFP 59 PARKING LOT #5
AFP 59
17
BINGHAMTON
JOHNSON CITY
201
TOWN OF VESTAL
434
Site Description:
Air Force Plant 59
Broome County, NY
Longitude – 75° 58' 23.39" W
Latitude – 42° 6' 52.162" N
Map Location
VT
NY
MA
CT
PA
NJ
AFP59 Property Boundary
Lake
Stream/River
N
Regional Location Map
0 750 1,500 3,000 Feet
Scale:1:24,000
Image Source: 2008 NAIP Aerial Photos
AECOM
July 12, 2010
Figure 3-1
Project No. 60134438.04



Site Description:
Air Force Plant 59
Broome County, NY
Longitude – 75° 58' 23.39" W
Latitude – 42° 6' 52.162" N

Surface: 2001 Landuse/Landcover derived from the National 2001 land cover layer for mapping zone 63 produced through a cooperative project conducted by the Multi-Resolution Land Characteristics (MRLC) Consortium. Mapping zone 58 encompasses whole or portions of several states, including New York and Pennsylvania. Data published in September 2003.

Map Location

- Open Water
- Developed, Open Space
- Developed, Low Intensity
- Developed, Medium Intensity
- Developed, High Intensity
- Barren Land (Rock/Sand/Clay)
- Deciduous Forest
- Evergreen Forest
- Mixed Forest
- Shrub/Scrub
- Grassland/Herbaceous
- Pasture/Hay
- Cultivated Crops
- Woody Wetlands
- Emergent Herbaceous Wetlands
- City Water Supply Well
- AFP59 Property Boundary

Location of AFP59 and Surrounding Land Use

N

0 1,875 3,750 7,500 Feet

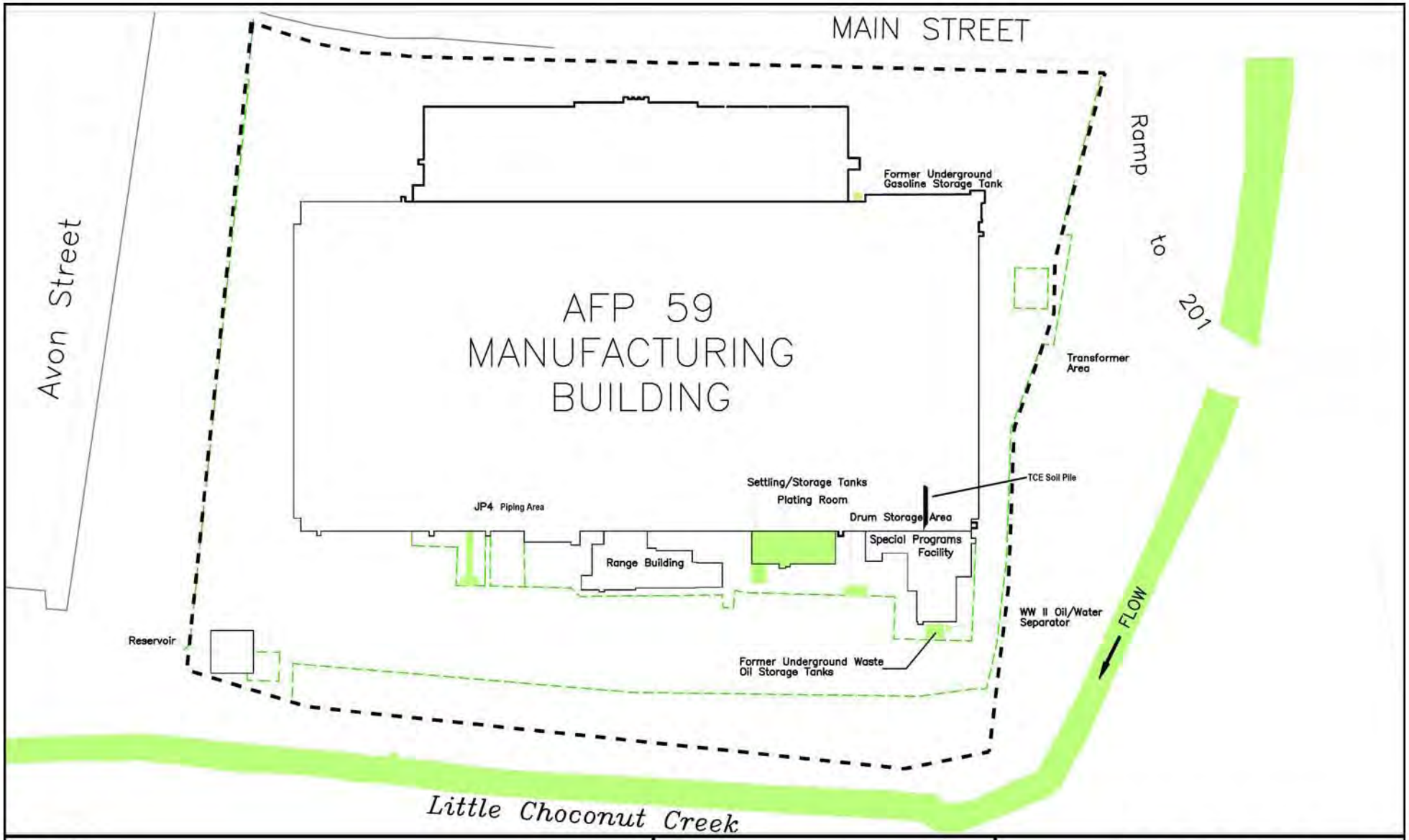
Scale: 1:60,000

Image Source: 2008 NAIP Aerial Photos

AECOM

July 12, 2010 | Figure 3-2

Project No. 60134438.04



LEGEND:

– AFP 59 Property Boundary

– Fence

– IRP Site or Area of Concern

NORTH

SOURCE FILE: afp59ri2.dwg\1–14.plt

AIR FORCE PLANT 59

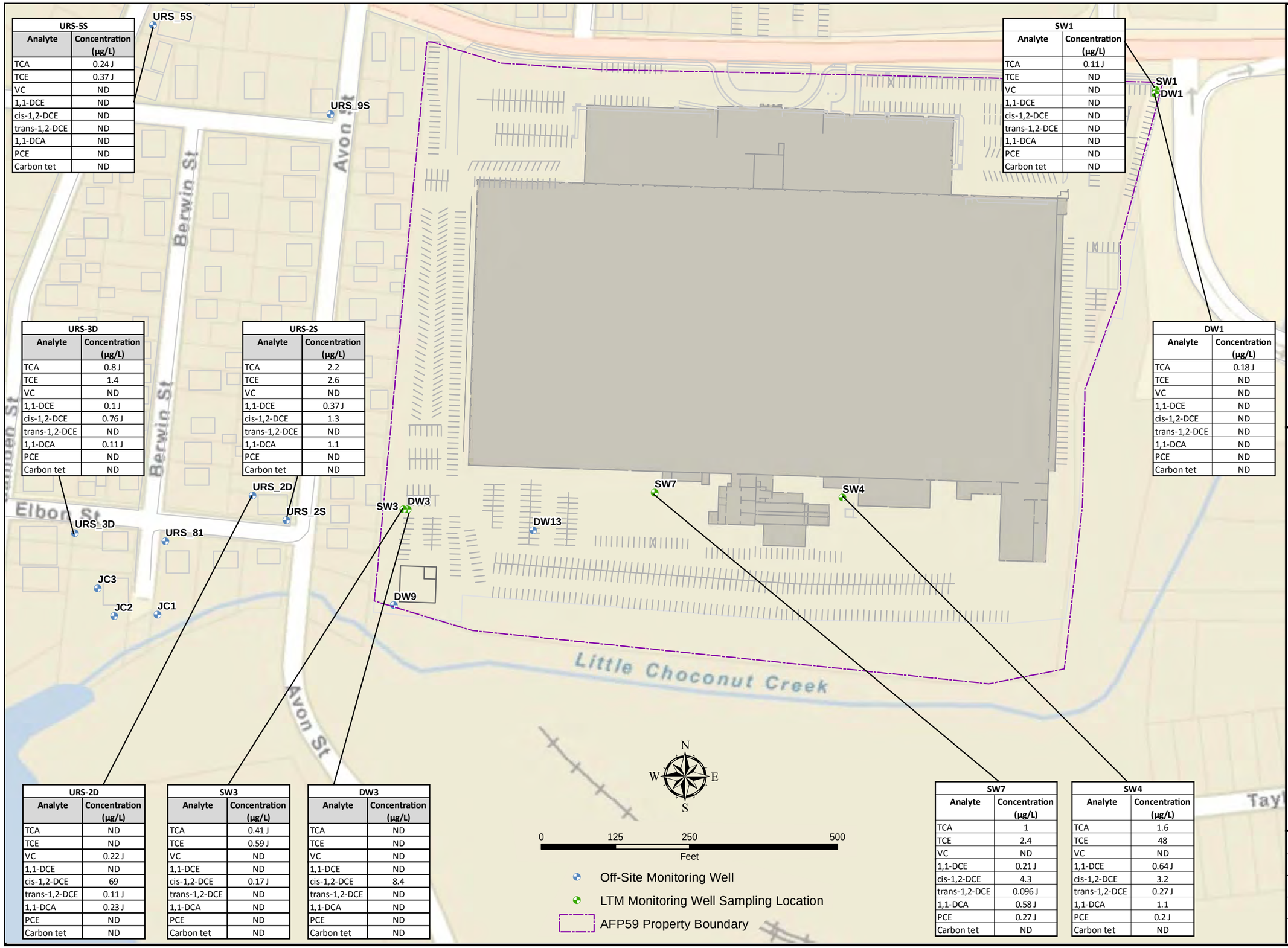
0 100 200

SCALE IN FEET

AECOM

FIGURE 3-3

IRP SITES AND AREAS OF CONCERN



URS-5S	
Analyte	Concentration (µg/L)
TCA	0.24 J
TCE	0.37 J
VC	ND
1,1-DCE	ND
cis-1,2-DCE	ND
trans-1,2-DCE	ND
1,1-DCA	ND
PCE	ND
Carbon tet	ND

SW1	
Analyte	Concentration (µg/L)
TCA	0.11 J
TCE	ND
VC	ND
1,1-DCE	ND
cis-1,2-DCE	ND
trans-1,2-DCE	ND
1,1-DCA	ND
PCE	ND
Carbon tet	ND

URS-3D	
Analyte	Concentration (µg/L)
TCA	0.8 J
TCE	1.4
VC	ND
1,1-DCE	0.1 J
cis-1,2-DCE	0.76 J
trans-1,2-DCE	ND
1,1-DCA	0.11 J
PCE	ND
Carbon tet	ND

URS-2S	
Analyte	Concentration (µg/L)
TCA	2.2
TCE	2.6
VC	ND
1,1-DCE	0.37 J
cis-1,2-DCE	1.3
trans-1,2-DCE	ND
1,1-DCA	1.1
PCE	ND
Carbon tet	ND

DW1	
Analyte	Concentration (µg/L)
TCA	0.18 J
TCE	ND
VC	ND
1,1-DCE	ND
cis-1,2-DCE	ND
trans-1,2-DCE	ND
1,1-DCA	ND
PCE	ND
Carbon tet	ND

URS-2D	
Analyte	Concentration (µg/L)
TCA	ND
TCE	ND
VC	0.22 J
1,1-DCE	ND
cis-1,2-DCE	69
trans-1,2-DCE	0.11 J
1,1-DCA	0.23 J
PCE	ND
Carbon tet	ND

SW3	
Analyte	Concentration (µg/L)
TCA	0.41 J
TCE	0.59 J
VC	ND
1,1-DCE	ND
cis-1,2-DCE	0.17 J
trans-1,2-DCE	ND
1,1-DCA	ND
PCE	ND
Carbon tet	ND

DW3	
Analyte	Concentration (µg/L)
TCA	ND
TCE	ND
VC	ND
1,1-DCE	ND
cis-1,2-DCE	8.4
trans-1,2-DCE	ND
1,1-DCA	ND
PCE	ND
Carbon tet	ND

SW7	
Analyte	Concentration (µg/L)
TCA	1
TCE	2.4
VC	ND
1,1-DCE	0.21 J
cis-1,2-DCE	4.3
trans-1,2-DCE	0.096 J
1,1-DCA	0.58 J
PCE	0.27 J
Carbon tet	ND

SW4	
Analyte	Concentration (µg/L)
TCA	1.6
TCE	48
VC	ND
1,1-DCE	0.64 J
cis-1,2-DCE	3.2
trans-1,2-DCE	0.27 J
1,1-DCA	1.1
PCE	0.2 J
Carbon tet	ND

AECOM

AIR FORCE PLANT 59 VAPOR INTRUSION INVESTIGATION

FIGURE 3-4

November 2010

VOC's Detected In Groundwater

CONTRACT NO	TASK NO
DESIGNED BY M.Kline	DRAWN BY M.Kline
CHECKED BY D. Parse	DATE 2011
SCALE 1" = 80'	SHEET 1 of 1

Figure_x-x_VOCs_Detected_In_Groundwater.mxd

TCE Sub-Slab Concentrations

Classes

- 0.91 - 5 µg/m³
- 5 - 50 µg/m³
- 50 - 250 µg/m³
- 250 - 1,880.03 µg/m³

Results collected from August 2009
Indoor Air Vapor Study

- (H) Hazardous Material Storage
- (PM) Petroleum, Petroleum Product, Oil, or Lubrican Strorage
- (PW) Petroleum Waste Storage
- (W) Hazardous Waste Storage

Source: Environmental Baseline Survey - February 1995

Status	AST	UST	OWS
Active	▲	■	◆
Inactive	⏃	◪	⌖
Removed	⏢	⊠	⌀

Source: Environmental Baseline Survey - February 1995

N

0 62.5 125 250 375 500 Feet

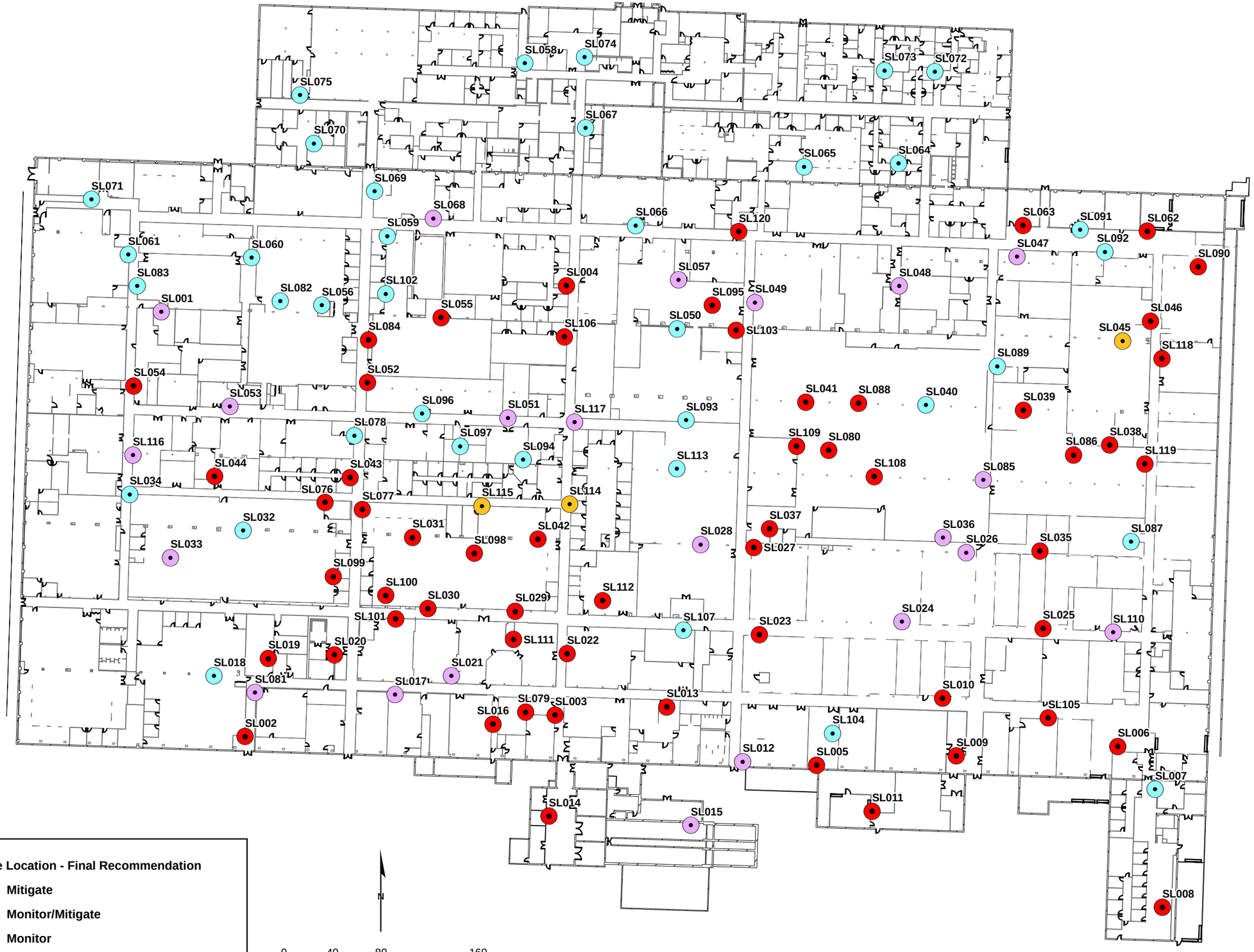
AECOM

Air Force Plant 59

Figure 8-1
August 2009 Sub-Slab TCE Contours & Waste Storage Areas

CONTRACT NO	TASK NO
60134438	04
DESIGNED BY: M. Kline	DRAWN BY: M. Kline
CHECKED BY: D. Foley	DATE: 09/14/2010
SCALE: 1" = 100'	SHEET: 1 of 1

Figure_6.2-3.mxd



AECOM

AIR FORCE PLANT 59 VAPOR INTRUSION INVESTIGATION

FIGURE 8-2

Final Recommended Action
Based on NYSDOH Guidance

PROJECT NO	TASK NO
60134438	04
DESIGNED BY: M.Kline	DRAWN BY: M.Kline
CHECKED BY: D. Parse	DATE: September 2010
SCALE: 1" = 80'	SHEET: 1 of 1

Figure_8.1-1.mxd

Appendix A

Johnson City Water Department Wellfield Data

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LAB ID # 11216
LAB ID # 11827

Benchmark Analytics, Inc.
Eastern Division

2566 Pennsylvania Ave.
Sayre, PA 18840

Phone: (570) 888-0169
Fax: (570) 888-0717

Work Order: 09122879

SEND DATA TO:

NAME: Brian Barker
COMPANY: Johnson City, Village of
ADDRESS: 44 Camden Street
Johnson City, NY 13790

PHONE: (607) 797-2523
FAX: 607-798-9175

WO#: 09122879
PAGE: 1 of 9
PO#: VOUCHER
PWS ID# Broome Co. DOH

TEST REPORT

Wells # 2, 3, 6
RECEIVED FOR LAB BY: WCB DATE: 12/21/2009 16:08

SAMPLE: Well #2 Raw water Lab ID: 09122879-001A Grab
SAMPLED BY: DRS Sample Time: 12/21/2009 9:45

Test	Result	MCL	Method	Analysis Start	Analysis End	Analyst *
Dichlorodifluoromethane	< 0.0005 mg/L		EPA 524.2	12/30/09 10:31	12/30/09	DN-CV
Chloromethane	< 0.0005 mg/L		EPA 524.2	12/30/09 10:31	12/30/09	DN-CV
Vinyl chloride	< 0.0005 mg/L		EPA 524.2	12/30/09 10:31	12/30/09	DN-CV
Bromomethane	< 0.0005 mg/L		EPA 524.2	12/30/09 10:31	12/30/09	DN-CV
Chloroethane	< 0.0005 mg/L		EPA 524.2	12/30/09 10:31	12/30/09	DN-CV
Trichlorofluoromethane	< 0.0005 mg/L		EPA 524.2	12/30/09 10:31	12/30/09	DN-CV
1,1-Dichloroethene	< 0.0005 mg/L		EPA 524.2	12/30/09 10:31	12/30/09	DN-CV
Methylene chloride	< 0.0005 mg/L		EPA 524.2	12/30/09 10:31	12/30/09	DN-CV
trans-1,2-Dichloroethene	< 0.0005 mg/L		EPA 524.2	12/30/09 10:31	12/30/09	DN-CV
1,1-Dichloroethane	< 0.0005 mg/L		EPA 524.2	12/30/09 10:31	12/30/09	DN-CV
2,2-Dichloropropane	< 0.0005 mg/L		EPA 524.2	12/30/09 10:31	12/30/09	DN-CV
cis-1,2-Dichloroethene	< 0.0005 mg/L		EPA 524.2	12/30/09 10:31	12/30/09	DN-CV
Chloroform	< 0.0005 mg/L		EPA 524.2	12/30/09 10:31	12/30/09	DN-CV
Bromochloromethane	< 0.0005 mg/L		EPA 524.2	12/30/09 10:31	12/30/09	DN-CV
1,1,1-Trichloroethane	0.0007 mg/L		EPA 524.2	12/30/09 10:31	12/30/09	DN-CV
1,1-Dichloropropene	< 0.0005 mg/L		EPA 524.2	12/30/09 10:31	12/30/09	DN-CV
Carbon tetrachloride	< 0.0005 mg/L		EPA 524.2	12/30/09 10:31	12/30/09	DN-CV
Benzene	< 0.0005 mg/L		EPA 524.2	12/30/09 10:31	12/30/09	DN-CV
1,2-Dichloroethane	< 0.0005 mg/L		EPA 524.2	12/30/09 10:31	12/30/09	DN-CV
Trichloroethene	0.0008 mg/L		EPA 524.2	12/30/09 10:31	12/30/09	DN-CV
1,2-Dichloropropane	< 0.0005 mg/L		EPA 524.2	12/30/09 10:31	12/30/09	DN-CV
Dibromomethane	< 0.0005 mg/L		EPA 524.2	12/30/09 10:31	12/30/09	DN-CV
Bromodichloromethane	< 0.0005 mg/L		EPA 524.2	12/30/09 10:31	12/30/09	DN-CV
cis-1,3-Dichloropropene	< 0.0005 mg/L		EPA 524.2	12/30/09 10:31	12/30/09	DN-CV
Toluene	< 0.0005 mg/L		EPA 524.2	12/30/09 10:31	12/30/09	DN-CV
trans-1,3-Dichloropropene	< 0.0005 mg/L		EPA 524.2	12/30/09 10:31	12/30/09	DN-CV

REMARKS:
The above test procedures meet all the requirements of NELAC and relate only to these samples.
* CV = Benchmark Analytics, Inc. Center Valley, PA; SA = Benchmark Analytics, Inc. Sayre, PA

MANAGER Christa Yu DATE: 1/7/2010

SDWIS

LAB ID # 11216
LAB ID # 11827

Benchmark Analytics, Inc.
Eastern Division
2566 Pennsylvania Ave.
Sayre, PA 18840
Phone: (570) 888-0169
Fax: (570) 888-0717

Work Order: 09122879

SEND DATA TO:
NAME: Brian Barker
COMPANY: Johnson City, Village of
ADDRESS: 44 Camden Street
Johnson City, NY 13790

PHONE: (607) 797-2523
FAX: 607-798-9175

WO#: 09122879
PAGE: 2 of 9
PO#: VOUCHER
PWS ID# Broome Co. DOH

TEST REPORT

Wells # 2, 3, 6
RECEIVED FOR LAB BY: WCB DATE: 12/21/2009 16:08

1,1,2-Trichloroethane	< 0.0005 mg/L	EPA 524.2	12/30/09 10:31	12/30/09	DN-CV
Tetrachloroethene	< 0.0005 mg/L	EPA 524.2	12/30/09 10:31	12/30/09	DN-CV
1,3-Dichloropropane	< 0.0005 mg/L	EPA 524.2	12/30/09 10:31	12/30/09	DN-CV
Dibromochloromethane	< 0.0005 mg/L	EPA 524.2	12/30/09 10:31	12/30/09	DN-CV
1,2-Dibromoethane	< 0.0005 mg/L	EPA 524.2	12/30/09 10:31	12/30/09	DN-CV
Chlorobenzene	< 0.0005 mg/L	EPA 524.2	12/30/09 10:31	12/30/09	DN-CV
1,1,1,2-Tetrachloroethane	< 0.0005 mg/L	EPA 524.2	12/30/09 10:31	12/30/09	DN-CV
Ethylbenzene	< 0.0005 mg/L	EPA 524.2	12/30/09 10:31	12/30/09	DN-CV
m,p-Xylene	< 0.0005 mg/L	EPA 524.2	12/30/09 10:31	12/30/09	DN-CV
o-Xylene	< 0.0005 mg/L	EPA 524.2	12/30/09 10:31	12/30/09	DN-CV
Xylenes, Total	< 0.0005 mg/L	EPA 524.2	12/30/09 10:31	12/30/09	DN-CV
Styrene	< 0.0005 mg/L	EPA 524.2	12/30/09 10:31	12/30/09	DN-CV
Bromoform	< 0.0005 mg/L	EPA 524.2	12/30/09 10:31	12/30/09	DN-CV
Cumene	< 0.0005 mg/L	EPA 524.2	12/30/09 10:31	12/30/09	DN-CV
Bromobenzene	< 0.0005 mg/L	EPA 524.2	12/30/09 10:31	12/30/09	DN-CV
1,1,2,2-Tetrachloroethane	< 0.0005 mg/L	EPA 524.2	12/30/09 10:31	12/30/09	DN-CV
1,2,3-Trichloropropane	< 0.0005 mg/L	EPA 524.2	12/30/09 10:31	12/30/09	DN-CV
n-Propylbenzene	< 0.0005 mg/L	EPA 524.2	12/30/09 10:31	12/30/09	DN-CV
2-Chlorotoluene	< 0.0005 mg/L	EPA 524.2	12/30/09 10:31	12/30/09	DN-CV
4-Chlorotoluene	< 0.0005 mg/L	EPA 524.2	12/30/09 10:31	12/30/09	DN-CV
1,3,5-Trimethylbenzene	< 0.0005 mg/L	EPA 524.2	12/30/09 10:31	12/30/09	DN-CV
tert-Butylbenzene	< 0.0005 mg/L	EPA 524.2	12/30/09 10:31	12/30/09	DN-CV
1,2,4-Trimethylbenzene	< 0.0005 mg/L	EPA 524.2	12/30/09 10:31	12/30/09	DN-CV
sec-Butylbenzene	< 0.0005 mg/L	EPA 524.2	12/30/09 10:31	12/30/09	DN-CV
1,3-Dichlorobenzene	< 0.0005 mg/L	EPA 524.2	12/30/09 10:31	12/30/09	DN-CV
4-Isopropyltoluene	< 0.0005 mg/L	EPA 524.2	12/30/09 10:31	12/30/09	DN-CV
1,4-Dichlorobenzene	< 0.0005 mg/L	EPA 524.2	12/30/09 10:31	12/30/09	DN-CV
1,2-Dichlorobenzene	< 0.0005 mg/L	EPA 524.2	12/30/09 10:31	12/30/09	DN-CV
n-Butylbenzene	< 0.0005 mg/L	EPA 524.2	12/30/09 10:31	12/30/09	DN-CV

REMARKS:
The above test procedures meet all the requirements of NELAC and relate only to these samples.
* CV = Benchmark Analytics, Inc. Center Valley, PA; SA = Benchmark Analytics, Inc. Sayre, PA

MANAGER _____ DATE: 1/7/2010

LAB ID # 11216
LAB ID # 11827

Benchmark Analytics, Inc.
Eastern Division

2566 Pennsylvania Ave.
Sayre, PA 18840
Phone: (570) 888-0169
Fax: (570) 888-0717

Work Order: 09122879

SEND DATA TO:

NAME: Brian Barker
COMPANY: Johnson City, Village of
ADDRESS: 44 Camden Street
Johnson City, NY 13790

PHONE: (607) 797-2523
FAX: 607-798-9175

WO#: 09122879
PAGE: 3 of 9
PO#: VOUCHER
PWS ID# Broome Co. DOH

TEST REPORT

Wells # 2, 3, 6
RECEIVED FOR LAB BY: WCB DATE: 12/21/2009 16:08

1,2,4-Trichlorobenzene	< 0.0005 mg/L	EPA 524.2	12/30/09 10:31	12/30/09	DN-CV
Hexachlorobutadiene	< 0.0005 mg/L	EPA 524.2	12/30/09 10:31	12/30/09	DN-CV
Naphthalene	< 0.0005 mg/L	EPA 524.2	12/30/09 10:31	12/30/09	DN-CV
1,2,3-Trichlorobenzene	< 0.0005 mg/L	EPA 524.2	12/30/09 10:31	12/30/09	DN-CV
MTBE	< 0.0005 mg/L	EPA 524.2	12/30/09 10:31	12/30/09	DN-CV

SAMPLE: Well #3 Raw water Lab ID: 09122879-002A Grab
SAMPLED BY: DRS Sample Time: 12/21/2009 10:00

Test	Result	Method	MCL	Analysis Start	Analysis End	Analyst *
Dichlorodifluoromethane	< 0.0005 mg/L	EPA 524.2		12/30/09 10:31	12/30/09	DN-CV
Chloromethane	< 0.0005 mg/L	EPA 524.2		12/30/09 10:31	12/30/09	DN-CV
Vinyl chloride	< 0.0005 mg/L	EPA 524.2		12/30/09 10:31	12/30/09	DN-CV
Bromomethane	< 0.0005 mg/L	EPA 524.2		12/30/09 10:31	12/30/09	DN-CV
Chloroethane	< 0.0005 mg/L	EPA 524.2		12/30/09 10:31	12/30/09	DN-CV
Trichlorofluoromethane	< 0.0005 mg/L	EPA 524.2		12/30/09 10:31	12/30/09	DN-CV
1,1-Dichloroethene	< 0.0005 mg/L	EPA 524.2		12/30/09 10:31	12/30/09	DN-CV
Methylene chloride	< 0.0005 mg/L	EPA 524.2		12/30/09 10:31	12/30/09	DN-CV
trans-1,2-Dichloroethene	< 0.0005 mg/L	EPA 524.2		12/30/09 10:31	12/30/09	DN-CV
1,1-Dichloroethane	< 0.0005 mg/L	EPA 524.2		12/30/09 10:31	12/30/09	DN-CV
2,2-Dichloropropane	< 0.0005 mg/L	EPA 524.2		12/30/09 10:31	12/30/09	DN-CV
cis-1,2-Dichloroethene	< 0.0005 mg/L	EPA 524.2		12/30/09 10:31	12/30/09	DN-CV
Chloroform	< 0.0005 mg/L	EPA 524.2		12/30/09 10:31	12/30/09	DN-CV
Bromochloromethane	< 0.0005 mg/L	EPA 524.2		12/30/09 10:31	12/30/09	DN-CV
1,1,1-Trichloroethane	0.0011 mg/L	EPA 524.2		12/30/09 10:31	12/30/09	DN-CV
1,1-Dichloropropene	< 0.0005 mg/L	EPA 524.2		12/30/09 10:31	12/30/09	DN-CV
Carbon tetrachloride	< 0.0005 mg/L	EPA 524.2		12/30/09 10:31	12/30/09	DN-CV
Benzene	< 0.0005 mg/L	EPA 524.2		12/30/09 10:31	12/30/09	DN-CV
1,2-Dichloroethane	< 0.0005 mg/L	EPA 524.2		12/30/09 10:31	12/30/09	DN-CV
Trichloroethene	0.0010 mg/L	EPA 524.2		12/30/09 10:31	12/30/09	DN-CV

REMARKS:
The above test procedures meet all the requirements of NELAC and relate only to these samples.
* CV = Benchmark Analytics, Inc. Center Valley, PA; SA = Benchmark Analytics, Inc. Sayre, PA

MANAGER Christa Lyn DATE: 1/7/2010

LAB ID # 11216
LAB ID # 11827

Benchmark Analytics, Inc.
Eastern Division
2566 Pennsylvania Ave.
Sayre, PA 18840
Phone: (570) 888-0169
Fax: (570) 888-0717

Work Order: 09122879

SEND DATA TO:
NAME: Brian Barker
COMPANY: Johnson City, Village of
ADDRESS: 44 Camden Street
Johnson City, NY 13790

PHONE: (607) 797-2523
FAX: 607-798-9175

WO#: 09122879
PAGE: 4 of 9
PO#: VOUCHER
PWS ID# Broome Co. DOH

TEST REPORT

Wells # 2, 3, 6
RECEIVED FOR LAB BY: WCB DATE: 12/21/2009 16:08

1,2-Dichloropropane	< 0.0005 mg/L	EPA 524.2	12/30/09 10:31	12/30/09	DN-CV
Dibromomethane	< 0.0005 mg/L	EPA 524.2	12/30/09 10:31	12/30/09	DN-CV
Bromodichloromethane	< 0.0005 mg/L	EPA 524.2	12/30/09 10:31	12/30/09	DN-CV
cis-1,3-Dichloropropene	< 0.0005 mg/L	EPA 524.2	12/30/09 10:31	12/30/09	DN-CV
Toluene	< 0.0005 mg/L	EPA 524.2	12/30/09 10:31	12/30/09	DN-CV
trans-1,3-Dichloropropene	< 0.0005 mg/L	EPA 524.2	12/30/09 10:31	12/30/09	DN-CV
1,1,2-Trichloroethane	< 0.0005 mg/L	EPA 524.2	12/30/09 10:31	12/30/09	DN-CV
Tetrachloroethene	< 0.0005 mg/L	EPA 524.2	12/30/09 10:31	12/30/09	DN-CV
1,3-Dichloropropane	< 0.0005 mg/L	EPA 524.2	12/30/09 10:31	12/30/09	DN-CV
Dibromochloromethane	< 0.0005 mg/L	EPA 524.2	12/30/09 10:31	12/30/09	DN-CV
1,2-Dibromoethane	< 0.0005 mg/L	EPA 524.2	12/30/09 10:31	12/30/09	DN-CV
Chlorobenzene	< 0.0005 mg/L	EPA 524.2	12/30/09 10:31	12/30/09	DN-CV
1,1,1,2-Tetrachloroethane	< 0.0005 mg/L	EPA 524.2	12/30/09 10:31	12/30/09	DN-CV
Ethylbenzene	< 0.0005 mg/L	EPA 524.2	12/30/09 10:31	12/30/09	DN-CV
m,p-Xylene	< 0.0005 mg/L	EPA 524.2	12/30/09 10:31	12/30/09	DN-CV
o-Xylene	< 0.0005 mg/L	EPA 524.2	12/30/09 10:31	12/30/09	DN-CV
Xylenes, Total	< 0.0005 mg/L	EPA 524.2	12/30/09 10:31	12/30/09	DN-CV
Styrene	< 0.0005 mg/L	EPA 524.2	12/30/09 10:31	12/30/09	DN-CV
Bromoform	< 0.0005 mg/L	EPA 524.2	12/30/09 10:31	12/30/09	DN-CV
Cumene	< 0.0005 mg/L	EPA 524.2	12/30/09 10:31	12/30/09	DN-CV
Bromobenzene	< 0.0005 mg/L	EPA 524.2	12/30/09 10:31	12/30/09	DN-CV
1,1,2,2-Tetrachloroethane	< 0.0005 mg/L	EPA 524.2	12/30/09 10:31	12/30/09	DN-CV
1,2,3-Trichloropropane	< 0.0005 mg/L	EPA 524.2	12/30/09 10:31	12/30/09	DN-CV
n-Propylbenzene	< 0.0005 mg/L	EPA 524.2	12/30/09 10:31	12/30/09	DN-CV
2-Chlorotoluene	< 0.0005 mg/L	EPA 524.2	12/30/09 10:31	12/30/09	DN-CV
4-Chlorotoluene	< 0.0005 mg/L	EPA 524.2	12/30/09 10:31	12/30/09	DN-CV
1,3,5-Trimethylbenzene	< 0.0005 mg/L	EPA 524.2	12/30/09 10:31	12/30/09	DN-CV
tert-Butylbenzene	< 0.0005 mg/L	EPA 524.2	12/30/09 10:31	12/30/09	DN-CV
1,2,4-Trimethylbenzene	< 0.0005 mg/L	EPA 524.2	12/30/09 10:31	12/30/09	DN-CV

REMARKS:
The above test procedures meet all the requirements of NELAC and relate only to these samples.
* CV = Benchmark Analytics, Inc. Center Valley, PA; SA = Benchmark Analytics, Inc. Sayre, PA

MANAGER _____ DATE: 1/7/2010

LAB ID # 11216

Benchmark Analytics, Inc.
Eastern Division

2566 Pennsylvania Ave.
Sayre, PA 18840
Phone: (570) 888-0169
Fax: (570) 888-0717

Work Order: 09083886

SEND DATA TO:

NAME: Brian Barker
COMPANY: Johnson City, Village of
ADDRESS: 44 Camden Street
Johnson City, NY 13790

PHONE: (607) 797-2523
FAX:

WO#: 09083886
PAGE: 1 of 10
PO#: VOUCHER
PWS ID# Broome Co. DOH

TEST REPORT

POC, THM & HAA testing Pre Air Stripper
RECEIVED FOR LAB BY: WCB DATE: 08/25/2009 17:00

SAMPLE: **Camden St. #2** Lab ID: 09083886-001A Grab
SAMPLED BY: JF Sample Time: 08/25/2009 14:05

Test	Result	Method	MCL	Analysis Start	Analysis End	Analyst *
Dichlorodifluoromethane	< 0.0005 mg/L	EPA 524.2		08/28/09 21:45	08/29/09	MTB-CV
Chloromethane	< 0.0005 mg/L	EPA 524.2		08/28/09 21:45	08/29/09	MTB-CV
Vinyl chloride	< 0.0005 mg/L	EPA 524.2		08/28/09 21:45	08/29/09	MTB-CV
Bromomethane	< 0.0005 mg/L	EPA 524.2		08/28/09 21:45	08/29/09	MTB-CV
Chloroethane	< 0.0005 mg/L	EPA 524.2		08/28/09 21:45	08/29/09	MTB-CV
Trichlorofluoromethane	< 0.0005 mg/L	EPA 524.2		08/28/09 21:45	08/29/09	MTB-CV
1,1-Dichloroethene	< 0.0005 mg/L	EPA 524.2		08/28/09 21:45	08/29/09	MTB-CV
Methylene chloride	< 0.0005 mg/L	EPA 524.2		08/28/09 21:45	08/29/09	MTB-CV
trans-1,2-Dichloroethene	< 0.0005 mg/L	EPA 524.2		08/28/09 21:45	08/29/09	MTB-CV
1,1-Dichloroethane	< 0.0005 mg/L	EPA 524.2		08/28/09 21:45	08/29/09	MTB-CV
2,2-Dichloropropane	< 0.0005 mg/L	EPA 524.2		08/28/09 21:45	08/29/09	MTB-CV
cis-1,2-Dichloroethene	< 0.0005 mg/L	EPA 524.2		08/28/09 21:45	08/29/09	MTB-CV
Bromochloromethane	< 0.0005 mg/L	EPA 524.2		08/28/09 21:45	08/29/09	MTB-CV
1,1,1-Trichloroethane	0.0007 mg/L	EPA 524.2		08/28/09 21:45	08/29/09	MTB-CV
1,1-Dichloropropene	< 0.0005 mg/L	EPA 524.2		08/28/09 21:45	08/29/09	MTB-CV
Carbon tetrachloride	< 0.0005 mg/L	EPA 524.2		08/28/09 21:45	08/29/09	MTB-CV
Benzene	< 0.0005 mg/L	EPA 524.2		08/28/09 21:45	08/29/09	MTB-CV
1,2-Dichloroethane	< 0.0005 mg/L	EPA 524.2		08/28/09 21:45	08/29/09	MTB-CV
Trichloroethene	0.0008 mg/L	EPA 524.2		08/28/09 21:45	08/29/09	MTB-CV
1,2-Dichloropropane	< 0.0005 mg/L	EPA 524.2		08/28/09 21:45	08/29/09	MTB-CV
Dibromomethane	< 0.0005 mg/L	EPA 524.2		08/28/09 21:45	08/29/09	MTB-CV
cis-1,3-Dichloropropene	< 0.0005 mg/L	EPA 524.2		08/28/09 21:45	08/29/09	MTB-CV
Toluene	< 0.0005 mg/L	EPA 524.2		08/28/09 21:45	08/29/09	MTB-CV
trans-1,3-Dichloropropene	< 0.0005 mg/L	EPA 524.2		08/28/09 21:45	08/29/09	MTB-CV
1,1,2-Trichloroethane	< 0.0005 mg/L	EPA 524.2		08/28/09 21:45	08/29/09	MTB-CV
Tetrachloroethene	< 0.0005 mg/L	EPA 524.2		08/28/09 21:45	08/29/09	MTB-CV

REMARKS:

The above test procedures meet all the requirements of NELAC and relate only to these samples.
* CV = Benchmark Analytics, Inc. Center Valley, PA; SA = Benchmark Analytics, Inc. Sayre, PA
J Analyte reported below quantitation limits

MANAGER Christopher DATE: 9/4/2009

SDWIS

LAB ID # 11216

Benchmark Analytics, Inc.
Eastern Division

2566 Pennsylvania Ave.
Sayre, PA 18840

Phone: (570) 888-0169
Fax: (570) 888-0717

Work Order: 09083886

SEND DATA TO:

NAME: Brian Barker
COMPANY: Johnson City, Village of
ADDRESS: 44 Camden Street
Johnson City, NY 13790

PHONE: (607) 797-2523
FAX:

WO#: 09083886
PAGE: 2 of 10
PO#: VOUCHER
PWS ID# Broome Co. DOH

TEST REPORT

POC, THM & HAA testing

RECEIVED FOR LAB BY: WCB DATE: 08/25/2009 17:00

1,3-Dichloropropane	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
1,2-Dibromoethane	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
Chlorobenzene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
1,1,1,2-Tetrachloroethane	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
Ethylbenzene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
m,p-Xylene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
o-Xylene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
Xylenes, Total	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
Styrene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
Cumene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
Bromobenzene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
1,1,2,2-Tetrachloroethane	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
1,2,3-Trichloropropane	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
n-Propylbenzene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
2-Chlorotoluene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
4-Chlorotoluene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
1,3,5-Trimethylbenzene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
tert-Butylbenzene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
1,2,4-Trimethylbenzene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
sec-Butylbenzene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
1,3-Dichlorobenzene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
4-Isopropyltoluene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
1,4-Dichlorobenzene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
1,2-Dichlorobenzene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
n-Butylbenzene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
1,2,4-Trichlorobenzene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
Hexachlorobutadiene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
Naphthalene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
1,2,3-Trichlorobenzene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV

REMARKS:

The above test procedures meet all the requirements of NELAC and relate only to these samples.

* CV = Benchmark Analytics, Inc. Center Valley, PA; SA = Benchmark Analytics, Inc. Sayre, PA

J Analyte reported below quantitation limits

MANAGER _____ DATE: 9/4/2009

LAB ID # 11216

Benchmark Analytics, Inc.
Eastern Division

2566 Pennsylvania Ave.
Sayre, PA 18840

Phone: (570) 888-0169
Fax: (570) 888-0717

Work Order: 09083886

SEND DATA TO:

NAME: Brian Barker
COMPANY: Johnson City, Village of
ADDRESS: 44 Camden Street
Johnson City, NY 13790

PHONE: (607) 797-2523
FAX:

WO#: 09083886
PAGE: 5 of 10
PO#: VOUCHER
PWS ID# Broome Co. DOH

TEST REPORT

POC, THM & HAA testing

RECEIVED FOR LAB BY: WCB DATE: 08/25/2009 17:00

Naphthalene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
1,2,3-Trichlorobenzene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
MTBE	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV

SAMPLE: **Well #3** Lab ID: 09083886-003A Grab
SAMPLED BY: JF Sample Time: 08/25/2009 14:10

Test	Result	Method	MCL	Analysis Start	Analysis End	Analyst *
Dichlorodifluoromethane	< 0.0005 mg/L	EPA 524.2		08/28/09 21:45	08/29/09	MTB-CV
Chloromethane	< 0.0005 mg/L	EPA 524.2		08/28/09 21:45	08/29/09	MTB-CV
Vinyl chloride	< 0.0005 mg/L	EPA 524.2		08/28/09 21:45	08/29/09	MTB-CV
Bromomethane	< 0.0005 mg/L	EPA 524.2		08/28/09 21:45	08/29/09	MTB-CV
Chloroethane	< 0.0005 mg/L	EPA 524.2		08/28/09 21:45	08/29/09	MTB-CV
Trichlorofluoromethane	< 0.0005 mg/L	EPA 524.2		08/28/09 21:45	08/29/09	MTB-CV
1,1-Dichloroethene	< 0.0005 mg/L	EPA 524.2		08/28/09 21:45	08/29/09	MTB-CV
Methylene chloride	< 0.0005 mg/L	EPA 524.2		08/28/09 21:45	08/29/09	MTB-CV
trans-1,2-Dichloroethene	< 0.0005 mg/L	EPA 524.2		08/28/09 21:45	08/29/09	MTB-CV
1,1-Dichloroethane	< 0.0005 mg/L	EPA 524.2		08/28/09 21:45	08/29/09	MTB-CV
2,2-Dichloropropane	< 0.0005 mg/L	EPA 524.2		08/28/09 21:45	08/29/09	MTB-CV
cis-1,2-Dichloroethene	< 0.0005 mg/L	EPA 524.2		08/28/09 21:45	08/29/09	MTB-CV
Bromochloromethane	< 0.0005 mg/L	EPA 524.2		08/28/09 21:45	08/29/09	MTB-CV
1,1,1-Trichloroethane	0.0012 mg/L	EPA 524.2		08/28/09 21:45	08/29/09	MTB-CV
1,1-Dichloropropene	< 0.0005 mg/L	EPA 524.2		08/28/09 21:45	08/29/09	MTB-CV
Carbon tetrachloride	< 0.0005 mg/L	EPA 524.2		08/28/09 21:45	08/29/09	MTB-CV
Benzene	< 0.0005 mg/L	EPA 524.2		08/28/09 21:45	08/29/09	MTB-CV
1,2-Dichloroethane	< 0.0005 mg/L	EPA 524.2		08/28/09 21:45	08/29/09	MTB-CV
Trichloroethene	0.0010 mg/L	EPA 524.2		08/28/09 21:45	08/29/09	MTB-CV
1,2-Dichloropropane	< 0.0005 mg/L	EPA 524.2		08/28/09 21:45	08/29/09	MTB-CV
Dibromomethane	< 0.0005 mg/L	EPA 524.2		08/28/09 21:45	08/29/09	MTB-CV
cis-1,3-Dichloropropene	< 0.0005 mg/L	EPA 524.2		08/28/09 21:45	08/29/09	MTB-CV

REMARKS:

The above test procedures meet all the requirements of NELAC and relate only to these samples.

* CV = Benchmark Analytics, Inc. Center Valley, PA; SA = Benchmark Analytics, Inc. Sayre, PA

J Analyte reported below quantitation limits

MANAGER Christa Yu DATE: 9/4/2009

LAB ID # 11216

Benchmark Analytics, Inc.
Eastern Division

2566 Pennsylvania Ave.
Sayre, PA 18840

Phone: (570) 888-0169
Fax: (570) 888-0717

Work Order: 09083886

SEND DATA TO:

NAME: Brian Barker
COMPANY: Johnson City, Village of
ADDRESS: 44 Camden Street
Johnson City, NY 13790

PHONE: (607) 797-2523
FAX:

WO#: 09083886
PAGE: 6 of 10
PO#: VOUCHER
PWS ID# Broome Co. DOH

TEST REPORT

POC, THM & HAA testing

RECEIVED FOR LAB BY: WCB DATE: 08/25/2009 17:00

Toluene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
trans-1,3-Dichloropropene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
1,1,2-Trichloroethane	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
Tetrachloroethene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
1,3-Dichloropropane	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
1,2-Dibromoethane	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
Chlorobenzene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
1,1,1,2-Tetrachloroethane	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
Ethylbenzene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
m,p-Xylene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
o-Xylene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
Xylenes, Total	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
Styrene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
Cumene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
Bromobenzene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
1,1,2,2-Tetrachloroethane	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
1,2,3-Trichloropropane	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
n-Propylbenzene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
2-Chlorotoluene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
4-Chlorotoluene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
1,3,5-Trimethylbenzene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
tert-Butylbenzene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
1,2,4-Trimethylbenzene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
sec-Butylbenzene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
1,3-Dichlorobenzene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
4-Isopropyltoluene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
1,4-Dichlorobenzene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
1,2-Dichlorobenzene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
n-Butylbenzene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV

REMARKS:

The above test procedures meet all the requirements of NELAC and relate only to these samples.

* CV = Benchmark Analytics, Inc. Center Valley, PA; SA = Benchmark Analytics, Inc. Sayre, PA

J Analyte reported below quantitation limits

MANAGER _____ DATE: 9/4/2009

LAB ID # 11216

Benchmark Analytics, Inc.
Eastern Division

2566 Pennsylvania Ave.
Sayre, PA 18840

Phone: (570) 888-0169
Fax: (570) 888-0717

Work Order: 09083886

SEND DATA TO:

NAME: Brian Barker
COMPANY: Johnson City, Village of
ADDRESS: 44 Camden Street
Johnson City, NY 13790

PHONE: (607) 797-2523
FAX:

WO#: 09083886
PAGE: 7 of 10
PO#: VOUCHER
PWS ID# Broome Co. DOH

TEST REPORT

POC, THM & HAA testing
RECEIVED FOR LAB BY: WCB DATE: 08/25/2009 17:00

1,2,4-Trichlorobenzene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
Hexachlorobutadiene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
Naphthalene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
1,2,3-Trichlorobenzene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
MTBE	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV

SAMPLE: **1000 Reynolds Ave.** Lab ID: 09083886-004A Grab
SAMPLED BY: JF Sample Time: 08/25/2009 14:35

Test	Result		Method	MCL	Analysis Start	Analysis End	Analyst *
Chloroform	0.0012 mg/L		EPA 502.2	0.08	08/28/09 9:47	08/28/09	KAL-SA
Bromodichloromethane	0.0057 mg/L		EPA 502.2	0.08	08/28/09 9:47	08/28/09	KAL-SA
Chlorodibromomethane	0.0150 mg/L		EPA 502.2	0.08	08/28/09 9:47	08/28/09	KAL-SA
Bromoform	0.0158 mg/L		EPA 502.2	0.08	08/28/09 9:47	08/28/09	KAL-SA
Total Trihalomethanes	0.0377 mg/L		EPA 502.2	0.08	08/28/09 9:47	08/28/09	KAL-SA

SAMPLE: **1000 Reynolds Ave.** Lab ID: 09083886-004B Grab
SAMPLED BY: JF Sample Time: 08/25/2009 14:35

Test	Result		Method	MCL	Analysis Start	Analysis End	Analyst *
Total Haloacetic Acids	0.0063 mg/L		EPA 552.2	0.06	09/02/09 7:40	09/03/09	ASC-CV
Monochloroacetic acid	0.0014 mg/L	J	EPA 552.2	0.06	09/02/09 7:40	09/03/09	ASC-CV
Monobromoacetic acid	< 0.0010 mg/L		EPA 552.2	0.06	09/02/09 7:40	09/03/09	ASC-CV
Dichloroacetic acid	0.0010 mg/L		EPA 552.2	0.06	09/02/09 7:40	09/03/09	ASC-CV
Trichloroacetic acid	< 0.0010 mg/L		EPA 552.2	0.06	09/02/09 7:40	09/03/09	ASC-CV
Dibromoacetic acid	0.0039 mg/L		EPA 552.2	0.06	09/02/09 7:40	09/03/09	ASC-CV

SAMPLE: **POC-TB** Lab ID: 09083886-005A Grab
SAMPLED BY: SK Sample Time: 08/13/2009 10:00

Test	Result	Method	Reg Limit	Analysis Start	Analysis End	Analyst *
Dichlorodifluoromethane	< 0.0005 mg/L	EPA 524.2		08/28/09 21:45	08/29/09	MTB-CV
Chloromethane	< 0.0005 mg/L	EPA 524.2		08/28/09 21:45	08/29/09	MTB-CV

REMARKS:

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J Analyte reported below quantitation limits

MANAGER _____ DATE: 9/4/2009

LAB ID # 11216

Benchmark Analytics, Inc.
Eastern Division

2566 Pennsylvania Ave.
Sayre, PA 18840

Phone: (570) 888-0169
Fax: (570) 888-0717

Work Order: 09083886

SEND DATA TO:

NAME: Brian Barker
COMPANY: Johnson City, Village of
ADDRESS: 44 Camden Street
Johnson City, NY 13790

PHONE: (607) 797-2523
FAX:

WO#: 09083886
PAGE: 8 of 10
PO#: VOUCHER
PWS ID# Broome Co. DOH

TEST REPORT

POC, THM & HAA testing

RECEIVED FOR LAB BY: WCB DATE: 08/25/2009 17:00

Vinyl chloride	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
Bromomethane	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
Chloroethane	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
Trichlorofluoromethane	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
1,1-Dichloroethene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
Methylene chloride	0.0006 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
trans-1,2-Dichloroethene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
1,1-Dichloroethane	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
2,2-Dichloropropane	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
cis-1,2-Dichloroethene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
Bromochloromethane	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
1,1,1-Trichloroethane	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
1,1-Dichloropropene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
Carbon tetrachloride	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
Benzene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
1,2-Dichloroethane	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
Trichloroethene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
1,2-Dichloropropane	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
Dibromomethane	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
cis-1,3-Dichloropropene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
Toluene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
trans-1,3-Dichloropropene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
1,1,2-Trichloroethane	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
Tetrachloroethene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
1,3-Dichloropropane	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
1,2-Dibromoethane	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
Chlorobenzene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
1,1,1,2-Tetrachloroethane	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
Ethylbenzene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV

REMARKS:

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J Analyte reported below quantitation limits

MANAGER _____ DATE: 9/4/2009

LAB ID # 11216

Benchmark Analytics, Inc.
Eastern Division

2566 Pennsylvania Ave.
Sayre, PA 18840

Phone: (570) 888-0169
Fax: (570) 888-0717

Work Order: 09083886

SEND DATA TO:

NAME: Brian Barker
COMPANY: Johnson City, Village of
ADDRESS: 44 Camden Street
Johnson City, NY 13790

PHONE: (607) 797-2523
FAX:

WO#: 09083886
PAGE: 9 of 10
PO#: VOUCHER
PWS ID# Broome Co. DOH

TEST REPORT

POC, THM & HAA testing
RECEIVED FOR LAB BY: WCB DATE: 08/25/2009 17:00

m,p-Xylene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
o-Xylene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
Xylenes, Total	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
Styrene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
Cumene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
Bromobenzene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
1,1,2,2-Tetrachloroethane	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
1,2,3-Trichloropropane	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
n-Propylbenzene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
2-Chlorotoluene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
4-Chlorotoluene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
1,3,5-Trimethylbenzene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
tert-Butylbenzene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
1,2,4-Trimethylbenzene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
sec-Butylbenzene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
1,3-Dichlorobenzene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
4-Isopropyltoluene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
1,4-Dichlorobenzene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
1,2-Dichlorobenzene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
n-Butylbenzene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
1,2,4-Trichlorobenzene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
Hexachlorobutadiene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
Naphthalene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
1,2,3-Trichlorobenzene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV
MTBE	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-CV

REMARKS:

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J Analyte reported below quantitation limits

MANAGER _____ DATE: 9/4/2009

LAB ID #, 11216

Benchmark Analytics, Inc.
Eastern Division

2566 Pennsylvania Ave.
Sayre, PA 18840

Phone: (570) 888-0169
Fax: (570) 888-0717

Work Order: 09052310

SEND DATA TO:

NAME: Brian Barker
COMPANY: Johnson City, Village of
ADDRESS: 44 Camden Street
Johnson City, NY 13790

PHONE:
FAX:

WO#: 09052310
PAGE: 1 of 6
PO#: VOUCHER
PWS ID# BROOME COUNTY DOH

TEST REPORT

POC Testing
RECEIVED FOR LAB BY: DLM2 DATE: 05/18/2009 16:29

SAMPLE: Camden St. #
SAMPLED BY: TMB
Lab ID: 09052310-001A Grab
Sample Time: 05/18/2009 13:00

Test	Result		Method	MCL	Analysis Start	Analysis End	Analyst *
Dichlorodifluoromethane	< 0.0005 mg/L		EPA 524.2	0.005	05/27/09 12:01	05/27/09	RHH-SA
Chloromethane	< 0.0005 mg/L		EPA 524.2	0.005	05/27/09 12:01	05/27/09	RHH-SA
Vinyl chloride	< 0.0005 mg/L		EPA 524.2	0.002	05/27/09 12:01	05/27/09	RHH-SA
Bromomethane	< 0.0005 mg/L		EPA 524.2	0.005	05/27/09 12:01	05/27/09	RHH-SA
Chloroethane	< 0.0005 mg/L		EPA 524.2	0.005	05/27/09 12:01	05/27/09	RHH-SA
Trichlorofluoromethane	< 0.0005 mg/L		EPA 524.2	0.005	05/27/09 12:01	05/27/09	RHH-SA
1,1-Dichloroethene	< 0.0005 mg/L		EPA 524.2	0.007	05/27/09 12:01	05/27/09	RHH-SA
Methylene chloride	< 0.0005 mg/L		EPA 524.2	0.005	05/27/09 12:01	05/27/09	RHH-SA
trans-1,2-Dichloroethene	< 0.0005 mg/L		EPA 524.2	0.1	05/27/09 12:01	05/27/09	RHH-SA
1,1-Dichloroethane	< 0.0005 mg/L		EPA 524.2	0.005	05/27/09 12:01	05/27/09	RHH-SA
2,2-Dichloropropane	< 0.0005 mg/L	S	EPA 524.2	0.005	05/27/09 12:01	05/27/09	RHH-SA
cis-1,2-Dichloroethene	< 0.0005 mg/L		EPA 524.2	0.07	05/27/09 12:01	05/27/09	RHH-SA
Bromochloromethane	< 0.0005 mg/L		EPA 524.2	0.005	05/27/09 12:01	05/27/09	RHH-SA
1,1,1-Trichloroethane	< 0.0005 mg/L		EPA 524.2	0.2	05/27/09 12:01	05/27/09	RHH-SA
1,1-Dichloropropene	< 0.0005 mg/L		EPA 524.2	0.005	05/27/09 12:01	05/27/09	RHH-SA
Carbon tetrachloride	< 0.0005 mg/L	S	EPA 524.2	0.005	05/27/09 12:01	05/27/09	RHH-SA
Benzene	< 0.0005 mg/L		EPA 524.2	0.005	05/27/09 12:01	05/27/09	RHH-SA
1,2-Dichloroethane	< 0.0005 mg/L		EPA 524.2	0.005	05/27/09 12:01	05/27/09	RHH-SA
Trichloroethene	0.0005 mg/L		EPA 524.2	0.005	05/27/09 12:01	05/27/09	RHH-SA
1,2-Dichloropropane	< 0.0005 mg/L		EPA 524.2	0.005	05/27/09 12:01	05/27/09	RHH-SA
Dibromomethane	< 0.0005 mg/L		EPA 524.2	0.005	05/27/09 12:01	05/27/09	RHH-SA
cis-1,3-Dichloropropene	< 0.0005 mg/L		EPA 524.2	0.005	05/27/09 12:01	05/27/09	RHH-SA
Toluene	< 0.0005 mg/L		EPA 524.2	1	05/27/09 12:01	05/27/09	RHH-SA
trans-1,3-Dichloropropene	< 0.0005 mg/L	S	EPA 524.2	0.005	05/27/09 12:01	05/27/09	RHH-SA
1,1,2-Trichloroethane	< 0.0005 mg/L		EPA 524.2	0.005	05/27/09 12:01	05/27/09	RHH-SA
Tetrachloroethene	< 0.0005 mg/L		EPA 524.2	0.005	05/27/09 12:01	05/27/09	RHH-SA

REMARKS:

The above test procedures meet all the requirements of NELAC and relate only to these samples.
* CV = Benchmark Analytics, Inc. Center Valley, PA; SA = Benchmark Analytics, Inc. Sayre, PA
S Spike Recovery outside accepted recovery limits

POSTED SDWIS

MANAGER

DATE: 5/28/2009

LAB ID # 11216

Benchmark Analytics, Inc.
Eastern Division
2566 Pennsylvania Ave.
Sayre, PA 18840
Phone: (570) 888-0169
Fax: (570) 888-0717

Work Order: 09052310

SEND DATA TO:

NAME: Brian Barker
COMPANY: Johnson City, Village of
ADDRESS: 44 Camden Street
Johnson City, NY 13790

PHONE:
FAX:

WO#: 09052310
PAGE: 2 of 6
PO#: VOUCHER
PWS ID# BROOME COUNTY DOH

TEST REPORT

POC Testing
RECEIVED FOR LAB BY: DLM2 DATE: 05/18/2009 16:29

1,3-Dichloropropane	< 0.0005 mg/L		EPA 524.2	0.005	05/27/09 12:01	05/27/09	RHH-SA
Chlorobenzene	< 0.0005 mg/L		EPA 524.2	0.1	05/27/09 12:01	05/27/09	RHH-SA
1,1,1,2-Tetrachloroethane	< 0.0005 mg/L		EPA 524.2	0.005	05/27/09 12:01	05/27/09	RHH-SA
Ethylbenzene	< 0.0005 mg/L		EPA 524.2	0.7	05/27/09 12:01	05/27/09	RHH-SA
m,p-Xylene	< 0.0005 mg/L		EPA 524.2	10	05/27/09 12:01	05/27/09	RHH-SA
o-Xylene	< 0.0005 mg/L		EPA 524.2	10	05/27/09 12:01	05/27/09	RHH-SA
Styrene	< 0.0005 mg/L		EPA 524.2	0.1	05/27/09 12:01	05/27/09	RHH-SA
Isopropylbenzene	< 0.0005 mg/L		EPA 524.2	0.005	05/27/09 12:01	05/27/09	RHH-SA
Bromobenzene	< 0.0005 mg/L		EPA 524.2	0.005	05/27/09 12:01	05/27/09	RHH-SA
1,1,2,2-Tetrachloroethane	< 0.0005 mg/L		EPA 524.2	0.005	05/27/09 12:01	05/27/09	RHH-SA
1,2,3-Trichloropropane	< 0.0005 mg/L		EPA 524.2	0.005	05/27/09 12:01	05/27/09	RHH-SA
n-Propylbenzene	< 0.0005 mg/L		EPA 524.2	0.005	05/27/09 12:01	05/27/09	RHH-SA
2-Chlorotoluene	< 0.0005 mg/L		EPA 524.2	0.005	05/27/09 12:01	05/27/09	RHH-SA
4-Chlorotoluene	< 0.0005 mg/L		EPA 524.2	0.005	05/27/09 12:01	05/27/09	RHH-SA
1,3,5-Trimethylbenzene	< 0.0005 mg/L		EPA 524.2	0.005	05/27/09 12:01	05/27/09	RHH-SA
tert-Butylbenzene	< 0.0005 mg/L		EPA 524.2	0.005	05/27/09 12:01	05/27/09	RHH-SA
1,2,4-Trimethylbenzene	< 0.0005 mg/L		EPA 524.2	0.005	05/27/09 12:01	05/27/09	RHH-SA
sec-Butylbenzene	< 0.0005 mg/L		EPA 524.2	0.005	05/27/09 12:01	05/27/09	RHH-SA
1,3-Dichlorobenzene	< 0.0005 mg/L		EPA 524.2	0.005	05/27/09 12:01	05/27/09	RHH-SA
4-Isopropyltoluene	< 0.0005 mg/L		EPA 524.2	0.005	05/27/09 12:01	05/27/09	RHH-SA
1,4-Dichlorobenzene	< 0.0005 mg/L		EPA 524.2	0.075	05/27/09 12:01	05/27/09	RHH-SA
1,2-Dichlorobenzene	< 0.0005 mg/L		EPA 524.2	0.6	05/27/09 12:01	05/27/09	RHH-SA
n-Butylbenzene	< 0.0005 mg/L	S	EPA 524.2	0.005	05/27/09 12:01	05/27/09	RHH-SA
1,2,4-Trichlorobenzene	< 0.0005 mg/L	S	EPA 524.2	0.07	05/27/09 12:01	05/27/09	RHH-SA
Hexachlorobutadiene	< 0.0005 mg/L		EPA 524.2	0.005	05/27/09 12:01	05/27/09	RHH-SA
1,2,3-Trichlorobenzene	< 0.0005 mg/L	S	EPA 524.2	0.005	05/27/09 12:01	05/27/09	RHH-SA
MTBE	< 0.0005 mg/L	S	EPA 524.2	0.05	05/27/09 12:01	05/27/09	RHH-SA

REMARKS:

The above test procedures meet all the requirements of NELAC and relate only to these samples.
* CV = Benchmark Analytics, Inc. Center Valley, PA; SA = Benchmark Analytics, Inc. Sayre, PA
S Spike Recovery outside accepted recovery limits

MANAGER

DATE: 5/28/2009

LAB ID # 11216

Benchmark Analytics, Inc.
Eastern Division

2566 Pennsylvania Ave.
Sayre, PA 18840

Phone: (570) 888-0169
Fax: (570) 888-0717

Work Order: 08052535

SEND DATA TO:

NAME: Brian Barker
COMPANY: Johnson City Water Department
ADDRESS: 44 Camden Street
Johnson City, NY 13790

PHONE: (607) 797-2523
FAX: (607) 798-9175

WO#: 08052535
PAGE: 1 of 6
PO#:
PWS ID# BROOME COUNTY DOH

TEST REPORT

VOC

RECEIVED FOR LAB BY: DLM2 DATE: 05/19/2008 16:50

SAMPLE: **Camden Street** Well #2 raw Lab ID: 08052535-001A Grab
SAMPLED BY: TMB Sample Time: 05/19/2008 9:45

Test	Result	Method	MCL	Analysis Start	Analysis End	Analyst *
Dichlorodifluoromethane	< 0.0005 mg/L	EPA 524.2	0.005	05/21/08 21:04	05/22/08	RHH-SA
Chloromethane	< 0.0005 mg/L	EPA 524.2	0.005	05/21/08 21:04	05/22/08	RHH-SA
Vinyl chloride	< 0.0005 mg/L	EPA 524.2	0.002	05/21/08 21:04	05/22/08	RHH-SA
Bromomethane	< 0.0005 mg/L	EPA 524.2	0.005	05/21/08 21:04	05/22/08	RHH-SA
Chloroethane	< 0.0005 mg/L	EPA 524.2	0.005	05/21/08 21:04	05/22/08	RHH-SA
Trichlorofluoromethane	< 0.0005 mg/L	EPA 524.2	0.005	05/21/08 21:04	05/22/08	RHH-SA
1,1-Dichloroethene	< 0.0005 mg/L	EPA 524.2	0.007	05/21/08 21:04	05/22/08	RHH-SA
Methylene chloride	< 0.0005 mg/L	EPA 524.2	0.005	05/21/08 21:04	05/22/08	RHH-SA
trans-1,2-Dichloroethene	< 0.0005 mg/L	EPA 524.2	0.1	05/21/08 21:04	05/22/08	RHH-SA
1,1-Dichloroethane	< 0.0005 mg/L	EPA 524.2	0.005	05/21/08 21:04	05/22/08	RHH-SA
2,2-Dichloropropane	< 0.0005 mg/L	EPA 524.2	0.005	05/21/08 21:04	05/22/08	RHH-SA
cis-1,2-Dichloroethene	< 0.0005 mg/L	EPA 524.2	0.07	05/21/08 21:04	05/22/08	RHH-SA
Bromochloromethane	< 0.0005 mg/L	EPA 524.2	0.005	05/21/08 21:04	05/22/08	RHH-SA
1,1,1-Trichloroethane	0.0006 mg/L	EPA 524.2	0.2	05/21/08 21:04	05/22/08	RHH-SA
1,1-Dichloropropene	< 0.0005 mg/L	EPA 524.2	0.005	05/21/08 21:04	05/22/08	RHH-SA
Carbon tetrachloride	< 0.0005 mg/L	EPA 524.2	0.005	05/21/08 21:04	05/22/08	RHH-SA
Benzene	< 0.0005 mg/L	EPA 524.2	0.005	05/21/08 21:04	05/22/08	RHH-SA
1,2-Dichloroethane	< 0.0005 mg/L	EPA 524.2	0.005	05/21/08 21:04	05/22/08	RHH-SA
Trichloroethene	0.0006 mg/L	EPA 524.2	0.005	05/21/08 21:04	05/22/08	RHH-SA
1,2-Dichloropropane	< 0.0005 mg/L	EPA 524.2	0.005	05/21/08 21:04	05/22/08	RHH-SA
Dibromomethane	< 0.0005 mg/L	EPA 524.2	0.005	05/21/08 21:04	05/22/08	RHH-SA
cis-1,3-Dichloropropene	< 0.0005 mg/L	EPA 524.2	0.005	05/21/08 21:04	05/22/08	RHH-SA
Toluene	< 0.0005 mg/L	EPA 524.2	1	05/21/08 21:04	05/22/08	RHH-SA
trans-1,3-Dichloropropene	< 0.0005 mg/L	EPA 524.2	0.005	05/21/08 21:04	05/22/08	RHH-SA
1,1,2-Trichloroethane	< 0.0005 mg/L	EPA 524.2	0.005	05/21/08 21:04	05/22/08	RHH-SA
Tetrachloroethene	< 0.0005 mg/L	EPA 524.2	0.005	05/21/08 21:04	05/22/08	RHH-SA

REMARKS:

* CV = Benchmark Analytics, Inc. Center Valley, PA; SA = Benchmark Analytics, Inc. Sayre, PA

B Analyte detected in the associated Method Blank

S Spike Recovery outside accepted recovery limits

MANAGER _____ DATE: 5/23/2008

LAB ID # 11216

Benchmark Analytics, Inc.
Eastern Division

2566 Pennsylvania Ave.
Sayre, PA 18840

Phone: (570) 888-0169
Fax: (570) 888-0717

Work Order: 08052535

SEND DATA TO:

NAME: Brian Barker
COMPANY: Johnson City Water Department
ADDRESS: 44 Camden Street
Johnson City, NY 13790

PHONE: (607) 797-2523
FAX: (607) 798-9175

WO#: 08052535
PAGE: 2 of 6
PO#:
PWS ID# BROOME COUNTY DOH

TEST REPORT

VOC

RECEIVED FOR LAB BY: DLM2 DATE: 05/19/2008 16:50

1,3-Dichloropropane	< 0.0005 mg/L	EPA 524.2	0.005	05/21/08 21:04	05/22/08	RHH-SA
Chlorobenzene	< 0.0005 mg/L	EPA 524.2	0.1	05/21/08 21:04	05/22/08	RHH-SA
1,1,1,2-Tetrachloroethane	< 0.0005 mg/L	EPA 524.2	0.005	05/21/08 21:04	05/22/08	RHH-SA
Ethylbenzene	< 0.0005 mg/L	EPA 524.2	0.7	05/21/08 21:04	05/22/08	RHH-SA
m,p-Xylene	< 0.0005 mg/L	EPA 524.2	0.01	05/21/08 21:04	05/22/08	RHH-SA
o-Xylene	< 0.0005 mg/L	EPA 524.2	10	05/21/08 21:04	05/22/08	RHH-SA
Styrene	< 0.0005 mg/L	EPA 524.2	0.1	05/21/08 21:04	05/22/08	RHH-SA
Isopropylbenzene	< 0.0005 mg/L	EPA 524.2	0.005	05/21/08 21:04	05/22/08	RHH-SA
Bromobenzene	< 0.0005 mg/L	EPA 524.2	0.005	05/21/08 21:04	05/22/08	RHH-SA
1,1,2,2-Tetrachloroethane	< 0.0005 mg/L	EPA 524.2	0.005	05/21/08 21:04	05/22/08	RHH-SA
1,2,3-Trichloropropane	< 0.0005 mg/L	EPA 524.2	0.005	05/21/08 21:04	05/22/08	RHH-SA
n-Propylbenzene	< 0.0005 mg/L	EPA 524.2	0.005	05/21/08 21:04	05/22/08	RHH-SA
2-Chlorotoluene	< 0.0005 mg/L	EPA 524.2	0.005	05/21/08 21:04	05/22/08	RHH-SA
4-Chlorotoluene	< 0.0005 mg/L	EPA 524.2	0.005	05/21/08 21:04	05/22/08	RHH-SA
1,3,5-Trimethylbenzene	< 0.0005 mg/L	EPA 524.2	0.005	05/21/08 21:04	05/22/08	RHH-SA
tert-Butylbenzene	< 0.0005 mg/L	EPA 524.2	0.005	05/21/08 21:04	05/22/08	RHH-SA
1,2,4-Trimethylbenzene	< 0.0005 mg/L	EPA 524.2	0.005	05/21/08 21:04	05/22/08	RHH-SA
sec-Butylbenzene	< 0.0005 mg/L	EPA 524.2	0.005	05/21/08 21:04	05/22/08	RHH-SA
1,3-Dichlorobenzene	< 0.0005 mg/L	EPA 524.2	0.005	05/21/08 21:04	05/22/08	RHH-SA
4-Isopropyltoluene	< 0.0005 mg/L	EPA 524.2	0.005	05/21/08 21:04	05/22/08	RHH-SA
1,4-Dichlorobenzene	< 0.0005 mg/L	EPA 524.2	0.075	05/21/08 21:04	05/22/08	RHH-SA
1,2-Dichlorobenzene	< 0.0005 mg/L	EPA 524.2	0.6	05/21/08 21:04	05/22/08	RHH-SA
n-Butylbenzene	< 0.0005 mg/L	EPA 524.2	0.005	05/21/08 21:04	05/22/08	RHH-SA
1,2,4-Trichlorobenzene	< 0.0005 mg/L	EPA 524.2	0.07	05/21/08 21:04	05/22/08	RHH-SA
Hexachlorobutadiene	< 0.0005 mg/L	EPA 524.2	0.005	05/21/08 21:04	05/22/08	RHH-SA
1,2,3-Trichlorobenzene	< 0.0005 mg/L	EPA 524.2	0.005	05/21/08 21:04	05/22/08	RHH-SA
MTBE	< 0.0005 mg/L	EPA 524.2	0.05	05/21/08 21:04	05/22/08	RHH-SA

REMARKS:

* CV = Benchmark Analytics, Inc. Center Valley, PA; SA = Benchmark Analytics, Inc. Sayre, PA

B Analyte detected in the associated Method Blank

S Spike Recovery outside accepted recovery limits

MANAGER _____ DATE: 5/23/2008

LAB ID # 11216

Benchmark Analytics, Inc.
Eastern Division

2566 Pennsylvania Ave.
Sayre, PA 18840

Phone: (570) 888-0169
Fax: (570) 888-0717

Work Order: 08052535

SEND DATA TO:

NAME: Brian Barker
COMPANY: Johnson City Water Department
ADDRESS: 44 Camden Street
Johnson City, NY 13790

PHONE: (607) 797-2523
FAX: (607) 798-9175

WO#: 08052535
PAGE: 5 of 6
PO#:
PWS ID# BROOME COUNTY DOH

TEST REPORT

VOC

RECEIVED FOR LAB BY: DLM2 DATE: 05/19/2008 16:50

SAMPLE: **VOC-TB** Lab ID: 08052535-003A Grab
SAMPLED BY: DLM Sample Time: 05/19/2008 8:30

Test	Result		Method	MCL	Analysis Start	Analysis End	Analyst *
Dichlorodifluoromethane	< 0.0005 mg/L		EPA 524.2	0.005	05/21/08 21:04	05/22/08	RHH-SA
Chloromethane	< 0.0005 mg/L		EPA 524.2	0.005	05/21/08 21:04	05/22/08	RHH-SA
Vinyl chloride	< 0.0005 mg/L		EPA 524.2	0.002	05/21/08 21:04	05/22/08	RHH-SA
Bromomethane	< 0.0005 mg/L		EPA 524.2	0.005	05/21/08 21:04	05/22/08	RHH-SA
Chloroethane	< 0.0005 mg/L		EPA 524.2	0.005	05/21/08 21:04	05/22/08	RHH-SA
Trichlorofluoromethane	< 0.0005 mg/L		EPA 524.2	0.005	05/21/08 21:04	05/22/08	RHH-SA
1,1-Dichloroethene	< 0.0005 mg/L		EPA 524.2	0.007	05/21/08 21:04	05/22/08	RHH-SA
Methylene chloride	0.0007 mg/L	B	EPA 524.2	0.005	05/21/08 21:04	05/22/08	RHH-SA
trans-1,2-Dichloroethene	< 0.0005 mg/L		EPA 524.2	0.1	05/21/08 21:04	05/22/08	RHH-SA
1,1-Dichloroethane	< 0.0005 mg/L		EPA 524.2	0.005	05/21/08 21:04	05/22/08	RHH-SA
2,2-Dichloropropane	< 0.0005 mg/L		EPA 524.2	0.005	05/21/08 21:04	05/22/08	RHH-SA
cis-1,2-Dichloroethene	< 0.0005 mg/L		EPA 524.2	0.07	05/21/08 21:04	05/22/08	RHH-SA
Bromochloromethane	< 0.0005 mg/L		EPA 524.2	0.005	05/21/08 21:04	05/22/08	RHH-SA
1,1,1-Trichloroethane	< 0.0005 mg/L		EPA 524.2	0.2	05/21/08 21:04	05/22/08	RHH-SA
1,1-Dichloropropene	< 0.0005 mg/L		EPA 524.2	0.005	05/21/08 21:04	05/22/08	RHH-SA
Carbon tetrachloride	< 0.0005 mg/L		EPA 524.2	0.005	05/21/08 21:04	05/22/08	RHH-SA
Benzene	< 0.0005 mg/L		EPA 524.2	0.005	05/21/08 21:04	05/22/08	RHH-SA
1,2-Dichloroethane	< 0.0005 mg/L		EPA 524.2	0.005	05/21/08 21:04	05/22/08	RHH-SA
Trichloroethene	< 0.0005 mg/L		EPA 524.2	0.005	05/21/08 21:04	05/22/08	RHH-SA
1,2-Dichloropropane	< 0.0005 mg/L		EPA 524.2	0.005	05/21/08 21:04	05/22/08	RHH-SA
Dibromomethane	< 0.0005 mg/L		EPA 524.2	0.005	05/21/08 21:04	05/22/08	RHH-SA
cis-1,3-Dichloropropene	< 0.0005 mg/L		EPA 524.2	0.005	05/21/08 21:04	05/22/08	RHH-SA
Toluene	< 0.0005 mg/L		EPA 524.2	1	05/21/08 21:04	05/22/08	RHH-SA
trans-1,3-Dichloropropene	< 0.0005 mg/L		EPA 524.2	0.005	05/21/08 21:04	05/22/08	RHH-SA
1,1,2-Trichloroethane	< 0.0005 mg/L		EPA 524.2	0.005	05/21/08 21:04	05/22/08	RHH-SA
Tetrachloroethene	< 0.0005 mg/L		EPA 524.2	0.005	05/21/08 21:04	05/22/08	RHH-SA

REMARKS:

* CV = Benchmark Analytics, Inc. Center Valley, PA; SA = Benchmark Analytics, Inc. Sayre, PA

B Analyte detected in the associated Method Blank

S Spike Recovery outside accepted recovery limits

MANAGER _____ DATE: 5/23/2008

LAB ID # 11216

Benchmark Analytics, Inc.
Eastern Division

2566 Pennsylvania Ave.
Sayre, PA 18840

Phone: (570) 888-0169
Fax: (570) 888-0717

Work Order: 08052535

SEND DATA TO:

NAME: Brian Barker
COMPANY: Johnson City Water Department
ADDRESS: 44 Camden Street
Johnson City, NY 13790

PHONE: (607) 797-2523
FAX: (607) 798-9175

WO#: 08052535
PAGE: 6 of 6
PO#:
PWS ID# BROOME COUNTY DOH

TEST REPORT

VOC

RECEIVED FOR LAB BY: DLM2 DATE: 05/19/2008 16:50

1,3-Dichloropropane	< 0.0005 mg/L	EPA 524.2	0.005	05/21/08 21:04	05/22/08	RHH-SA
Chlorobenzene	< 0.0005 mg/L	EPA 524.2	0.1	05/21/08 21:04	05/22/08	RHH-SA
1,1,1,2-Tetrachloroethane	< 0.0005 mg/L	EPA 524.2	0.005	05/21/08 21:04	05/22/08	RHH-SA
Ethylbenzene	< 0.0005 mg/L	EPA 524.2	0.7	05/21/08 21:04	05/22/08	RHH-SA
m,p-Xylene	< 0.0005 mg/L	EPA 524.2	0.01	05/21/08 21:04	05/22/08	RHH-SA
o-Xylene	< 0.0005 mg/L	EPA 524.2	10	05/21/08 21:04	05/22/08	RHH-SA
Styrene	< 0.0005 mg/L	EPA 524.2	0.1	05/21/08 21:04	05/22/08	RHH-SA
Isopropylbenzene	< 0.0005 mg/L	EPA 524.2	0.005	05/21/08 21:04	05/22/08	RHH-SA
Bromobenzene	< 0.0005 mg/L	EPA 524.2	0.005	05/21/08 21:04	05/22/08	RHH-SA
1,1,2,2-Tetrachloroethane	< 0.0005 mg/L	EPA 524.2	0.005	05/21/08 21:04	05/22/08	RHH-SA
1,2,3-Trichloropropane	< 0.0005 mg/L	EPA 524.2	0.005	05/21/08 21:04	05/22/08	RHH-SA
n-Propylbenzene	< 0.0005 mg/L	EPA 524.2	0.005	05/21/08 21:04	05/22/08	RHH-SA
2-Chlorotoluene	< 0.0005 mg/L	EPA 524.2	0.005	05/21/08 21:04	05/22/08	RHH-SA
4-Chlorotoluene	< 0.0005 mg/L	EPA 524.2	0.005	05/21/08 21:04	05/22/08	RHH-SA
1,3,5-Trimethylbenzene	< 0.0005 mg/L	EPA 524.2	0.005	05/21/08 21:04	05/22/08	RHH-SA
tert-Butylbenzene	< 0.0005 mg/L	EPA 524.2	0.005	05/21/08 21:04	05/22/08	RHH-SA
1,2,4-Trimethylbenzene	< 0.0005 mg/L	EPA 524.2	0.005	05/21/08 21:04	05/22/08	RHH-SA
sec-Butylbenzene	< 0.0005 mg/L	EPA 524.2	0.005	05/21/08 21:04	05/22/08	RHH-SA
1,3-Dichlorobenzene	< 0.0005 mg/L	EPA 524.2	0.005	05/21/08 21:04	05/22/08	RHH-SA
4-Isopropyltoluene	< 0.0005 mg/L	EPA 524.2	0.005	05/21/08 21:04	05/22/08	RHH-SA
1,4-Dichlorobenzene	< 0.0005 mg/L	EPA 524.2	0.075	05/21/08 21:04	05/22/08	RHH-SA
1,2-Dichlorobenzene	< 0.0005 mg/L	EPA 524.2	0.6	05/21/08 21:04	05/22/08	RHH-SA
n-Butylbenzene	< 0.0005 mg/L	EPA 524.2	0.005	05/21/08 21:04	05/22/08	RHH-SA
1,2,4-Trichlorobenzene	< 0.0005 mg/L	EPA 524.2	0.07	05/21/08 21:04	05/22/08	RHH-SA
Hexachlorobutadiene	< 0.0005 mg/L	EPA 524.2	0.005	05/21/08 21:04	05/22/08	RHH-SA
1,2,3-Trichlorobenzene	< 0.0005 mg/L	EPA 524.2	0.005	05/21/08 21:04	05/22/08	RHH-SA
MTBE	< 0.0005 mg/L	EPA 524.2	0.05	05/21/08 21:04	05/22/08	RHH-SA

REMARKS:

* CV = Benchmark Analytics, Inc. Center Valley, PA; SA = Benchmark Analytics, Inc. Sayre, PA

B Analyte detected in the associated Method Blank

S Spike Recovery outside accepted recovery limits

MANAGER _____ DATE: 5/23/2008

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BROOME COUNTY HEALTH DEPARTMENT

Microbac New York

Report Date: *13-Nov-07*
Lab Log No: **0710429**

CLIENT: JOHNSON CITY WATER DEPT
44 CAMDEN STREET
JOHNSON CITY, NY 13790

Client Sample ID: WELL #3
Sampled By: D.T.
Collection Date: 10/15/07 8:45:00 AM
Received at Lab: 10/15/07
Matrix: DRINKING WATER

Project:
Lab ID: 0710429-02

Analyses	CAS	DF	PQL	Result	Units	Qual
PART 5 POC'S BY EPA 524		Analyst: **CMC**		Analysis Date: **Oct 16, 2007 7:03 pm**		
1,1,1,2-Tetrachloroethane	630-20-6	1	0.50	ND	ug/L	
1,1,1-Trichloroethane	71-55-6	1	0.50	**0.98**	ug/L	
1,1,2,2-Tetrachloroethane	79-34-5	1	0.50	ND	ug/L	
1,1,2-Trichloroethane	79-00-5	1	0.50	ND	ug/L	
1,1-Dichloroethane	75-34-3	1	0.50	ND	ug/L	
1,1-Dichloroethene	75-35-4	1	0.50	ND	ug/L	
1,1-Dichloropropene	563-58-6	1	0.50	ND	ug/L	
1,2,3-Trichlorobenzene	87-61-6	1	0.50	ND	ug/L	
1,2,3-Trichloropropane	96-18-4	1	0.50	ND	ug/L	
1,2,4-Trichlorobenzene	120-82-1	1	0.50	ND	ug/L	
1,2,4-Trimethylbenzene	95-63-6	1	0.50	ND	ug/L	
1,2-Dibromo-3-chloropropane	96-12-8	1	0.50	ND	ug/L	
1,2-Dibromoethane	106-93-4	1	0.50	ND	ug/L	
1,2-Dichlorobenzene	95-50-1	1	0.50	ND	ug/L	
1,2-Dichloroethane	107-06-2	1	0.50	ND	ug/L	
1,2-Dichloropropane	78-87-5	1	0.50	ND	ug/L	
1,3,5-Trimethylbenzene	108-67-8	1	0.50	ND	ug/L	
1,3-Dichlorobenzene	541-73-1	1	0.50	ND	ug/L	
1,3-Dichloropropane	142-28-9	1	0.50	ND	ug/L	
1,4-Dichlorobenzene	106-46-7	1	0.50	ND	ug/L	
2,2-Dichloropropane	590-20-7	1	0.50	ND	ug/L	
2-Chlorotoluene	95-49-8	1	0.50	ND	ug/L	
4-Chlorotoluene	106-43-4	1	0.50	ND	ug/L	
Benzene	71-43-2	1	0.50	ND	ug/L	
Bromobenzene	108-86-1	1	0.50	ND	ug/L	
Bromochloromethane	74-97-5	1	0.50	ND	ug/L	
Bromodichloromethane	75-27-4	1	0.50	ND	ug/L	
Bromoform	75-25-2	1	0.50	ND	ug/L	
Bromomethane	74-83-9	1	0.50	ND	ug/L	
Carbon tetrachloride	56-23-5	1	0.50	ND	ug/L	
Chlorobenzene	108-90-7	1	0.50	ND	ug/L	
Chloroethane	75-00-3	1	0.50	ND	ug/L	

NYSDOH ELAP #10795 **PADEP #68-01385** **EPA LAB ID #NY00935**

POB 5150, Cortland, NY 13045-5150

Tel 607.753.3403 Fax 607.753.3415

Microbac New York

Report Date: *13-Nov-07*
Lab Log No: **0710429**

CLIENT: JOHNSON CITY WATER DEPT
44 CAMDEN STREET
JOHNSON CITY, NY 13790

Project:

Lab ID: 0710429-02

Client Sample ID: WELL #3
Sampled By: D.T.
Collection Date: 10/15/07 8:45:00 AM
Received at Lab: 10/15/07
Matrix: DRINKING WATER

Analyses	CAS	DF	PQL	Result	Units	Qual
Chloroform	67-66-3	1	0.50	ND	ug/L	
Chloromethane	74-87-3	1	0.50	ND	ug/L	
cis-1,2-Dichloroethene	156-59-2	1	0.50	ND	ug/L	
cis-1,3-Dichloropropene	10061-01-5	1	0.50	ND	ug/L	
Dibromochloromethane	124-48-1	1	0.50	ND	ug/L	
Dibromomethane	74-95-3	1	0.50	ND	ug/L	
Dichlorodifluoromethane	75-71-8	1	0.50	ND	ug/L	
Ethylbenzene	100-41-4	1	0.50	ND	ug/L	
Hexachlorobutadiene	87-68-3	1	0.50	ND	ug/L	
Isopropylbenzene	98-82-8	1	0.50	ND	ug/L	
m,p-Xylene	1330-20-7	1	1.0	ND	ug/L	
Methyl tert-butyl ether	1634-04-4	1	0.50	ND	ug/L	
Methylene chloride	75-09-2	1	0.50	ND	ug/L	
n-Butylbenzene	104-51-8	1	0.50	ND	ug/L	
n-Propylbenzene	103-65-1	1	0.50	ND	ug/L	
Naphthalene	91-20-3	1	0.50	ND	ug/L	
o-Xylene	95-47-6	1	0.50	ND	ug/L	
p-Isopropyltoluene	99-87-6	1	0.50	ND	ug/L	
sec-Butylbenzene	135-98-8	1	0.50	ND	ug/L	
Styrene	100-42-5	1	0.50	ND	ug/L	
tert-Butylbenzene	98-06-6	1	0.50	ND	ug/L	
Tetrachloroethene	127-18-4	1	0.50	ND	ug/L	
Toluene	108-88-3	1	0.50	ND	ug/L	
Total Trihalomethanes		1	0.50	ND	ug/L	
trans-1,2-Dichloroethene	156-60-5	1	0.50	ND	ug/L	
trans-1,3-Dichloropropene	10061-02-6	1	0.50	ND	ug/L	
Trichloroethene	79-01-6	1	0.50	**0.83**	ug/L	
Trichlorofluoromethane	75-69-4	1	0.50	ND	ug/L	
Vinyl chloride	75-01-4	1	0.50	ND	ug/L	
Surr: 1,4-Dichlorobenzene-d4	3855-82-1	1	75-125	90.2	%REC	
Surr: 4-Bromofluorobenzene	460-00-4	1	65-132	92.2	%REC	

NYSDOH ELAP #10795 **PADEP #68-01385** **EPA LAB ID #NY00935**
POB 5150, Cortland, NY 13045-5150
Tel 607.753.3403 Fax 607.753.3415

Microbac New York

Report Date: *13-Nov-07*
Lab Log No: **0710429**

CLIENT: JOHNSON CITY WATER DEPT
44 CAMDEN STREET
JOHNSON CITY, NY 13790

Project:

Lab ID: 0710429-03

Client Sample ID: WELL #2, RAW
Sampled By: D.T.
Collection Date: 10/15/07 8:50:00 AM
Received at Lab: 10/15/07
Matrix: DRINKING WATER

Analyses	CAS	DF	PQL	Result	Units	Qual
PART 5 POC'S BY EPA 524		Analyst: **CMC**		Analysis Date: **Oct 16, 2007 7:38 pm**		
1,1,1,2-Tetrachloroethane	630-20-6	1	0.50	ND	ug/L	
1,1,1-Trichloroethane	71-55-6	1	0.50	**0.58**	ug/L	
1,1,2,2-Tetrachloroethane	79-34-5	1	0.50	ND	ug/L	
1,1,2-Trichloroethane	79-00-5	1	0.50	ND	ug/L	
1,1-Dichloroethane	75-34-3	1	0.50	ND	ug/L	
1,1-Dichloroethene	75-35-4	1	0.50	ND	ug/L	
1,1-Dichloropropene	563-58-6	1	0.50	ND	ug/L	
1,2,3-Trichlorobenzene	87-61-6	1	0.50	ND	ug/L	
1,2,3-Trichloropropane	96-18-4	1	0.50	ND	ug/L	
1,2,4-Trichlorobenzene	120-82-1	1	0.50	ND	ug/L	
1,2,4-Trimethylbenzene	95-63-6	1	0.50	ND	ug/L	
1,2-Dibromo-3-chloropropane	96-12-8	1	0.50	ND	ug/L	
1,2-Dibromoethane	106-93-4	1	0.50	ND	ug/L	
1,2-Dichlorobenzene	95-50-1	1	0.50	ND	ug/L	
1,2-Dichloroethane	107-06-2	1	0.50	ND	ug/L	
1,2-Dichloropropane	78-87-5	1	0.50	ND	ug/L	
1,3,5-Trimethylbenzene	108-67-8	1	0.50	ND	ug/L	
1,3-Dichlorobenzene	541-73-1	1	0.50	ND	ug/L	
1,3-Dichloropropane	142-28-9	1	0.50	ND	ug/L	
1,4-Dichlorobenzene	106-46-7	1	0.50	ND	ug/L	
2,2-Dichloropropane	590-20-7	1	0.50	ND	ug/L	
2-Chlorotoluene	95-49-8	1	0.50	ND	ug/L	
4-Chlorotoluene	106-43-4	1	0.50	ND	ug/L	
Benzene	71-43-2	1	0.50	ND	ug/L	
Bromobenzene	108-86-1	1	0.50	ND	ug/L	
Bromochloromethane	74-97-5	1	0.50	ND	ug/L	
Bromodichloromethane	75-27-4	1	0.50	ND	ug/L	
Bromoform	75-25-2	1	0.50	ND	ug/L	
Bromomethane	74-83-9	1	0.50	ND	ug/L	
Carbon tetrachloride	56-23-5	1	0.50	ND	ug/L	
Chlorobenzene	108-90-7	1	0.50	ND	ug/L	
Chloroethane	75-00-3	1	0.50	ND	ug/L	

Microbac New York

Report Date: *13-Nov-07*
Lab Log No: **0710429**

CLIENT: JOHNSON CITY WATER DEPT
44 CAMDEN STREET
JOHNSON CITY, NY 13790

Project:

Lab ID: 0710429-03

Client Sample ID: WELL #2, RAW
Sampled By: D.T.
Collection Date: 10/15/07 8:50:00 AM
Received at Lab: 10/15/07
Matrix: DRINKING WATER

Analyses	CAS	DF	PQL	Result	Units	Qual
Chloroform	67-66-3	1	0.50	ND	ug/L	
Chloromethane	74-87-3	1	0.50	ND	ug/L	
cis-1,2-Dichloroethene	156-59-2	1	0.50	ND	ug/L	
cis-1,3-Dichloropropene	10061-01-5	1	0.50	ND	ug/L	
Dibromochloromethane	124-48-1	1	0.50	ND	ug/L	
Dibromomethane	74-95-3	1	0.50	ND	ug/L	
Dichlorodifluoromethane	75-71-8	1	0.50	ND	ug/L	
Ethylbenzene	100-41-4	1	0.50	ND	ug/L	
Hexachlorobutadiene	87-68-3	1	0.50	ND	ug/L	
Isopropylbenzene	98-82-8	1	0.50	ND	ug/L	
m,p-Xylene	1330-20-7	1	1.0	ND	ug/L	
Methyl tert-butyl ether	1634-04-4	1	0.50	ND	ug/L	
Methylene chloride	75-09-2	1	0.50	ND	ug/L	
n-Butylbenzene	104-51-8	1	0.50	ND	ug/L	
n-Propylbenzene	103-65-1	1	0.50	ND	ug/L	
Naphthalene	91-20-3	1	0.50	ND	ug/L	
o-Xylene	95-47-6	1	0.50	ND	ug/L	
p-Isopropyltoluene	99-87-6	1	0.50	ND	ug/L	
sec-Butylbenzene	135-98-8	1	0.50	ND	ug/L	
Styrene	100-42-5	1	0.50	ND	ug/L	
tert-Butylbenzene	98-06-6	1	0.50	ND	ug/L	
Tetrachloroethene	127-18-4	1	0.50	ND	ug/L	
Toluene	108-88-3	1	0.50	ND	ug/L	
Total Trihalomethanes		1	0.50	ND	ug/L	
trans-1,2-Dichloroethene	156-60-5	1	0.50	ND	ug/L	
trans-1,3-Dichloropropene	10061-02-6	1	0.50	ND	ug/L	
Trichloroethene	79-01-6	1	0.50	0.60	ug/L	
Trichlorofluoromethane	75-69-4	1	0.50	ND	ug/L	
Vinyl chloride	75-01-4	1	0.50	ND	ug/L	
Surr: 1,4-Dichlorobenzene-d4	3855-82-1	1	75-125	89.2	%REC	
Surr: 4-Bromofluorobenzene	460-00-4	1	65-132	89.4	%REC	

NYSDOH ELAP #10795 **PADEP #68-01385** **EPA LAB ID #NY00935**
POB 5150, Cortland, NY 13045-5150
Tel 607.753.3403 Fax 607.753.3415

Microbac New York

Report Date: *13-Nov-07*
Lab Log No: **0710429**

CLIENT: JOHNSON CITY WATER DEPT
44 CAMDEN STREET
JOHNSON CITY, NY 13790

Client Sample ID: DISTRIBUTION
Sampled By: D.T.
Collection Date: 10/15/07 8:40:00 AM
Received at Lab: 10/15/07
Matrix: DRINKING WATER

Project:

Lab ID: 0710429-01

Analyses	CAS	DF	PQL	Result	Units	Qual
PART 5 POC'S BY EPA 524		Analyst: **CMC**		Analysis Date: **Oct 16, 2007 6:29 pm**		
1,1,1,2-Tetrachloroethane	630-20-6	1	0.50	ND	ug/L	
1,1,1-Trichloroethane	71-55-6	1	0.50	ND	ug/L	
1,1,2,2-Tetrachloroethane	79-34-5	1	0.50	ND	ug/L	
1,1,2-Trichloroethane	79-00-5	1	0.50	ND	ug/L	
1,1-Dichloroethane	75-34-3	1	0.50	ND	ug/L	
1,1-Dichloroethene	75-35-4	1	0.50	ND	ug/L	
1,1-Dichloropropene	563-58-6	1	0.50	ND	ug/L	
1,2,3-Trichlorobenzene	87-61-6	1	0.50	ND	ug/L	
1,2,3-Trichloropropane	96-18-4	1	0.50	ND	ug/L	
1,2,4-Trichlorobenzene	120-82-1	1	0.50	ND	ug/L	
1,2,4-Trimethylbenzene	95-63-6	1	0.50	ND	ug/L	
1,2-Dibromo-3-chloropropane	96-12-8	1	0.50	ND	ug/L	
1,2-Dibromoethane	106-93-4	1	0.50	ND	ug/L	
1,2-Dichlorobenzene	95-50-1	1	0.50	ND	ug/L	
1,2-Dichloroethane	107-06-2	1	0.50	ND	ug/L	
1,2-Dichloropropane	78-87-5	1	0.50	ND	ug/L	
1,3,5-Trimethylbenzene	108-67-8	1	0.50	ND	ug/L	
1,3-Dichlorobenzene	541-73-1	1	0.50	ND	ug/L	
1,3-Dichloropropane	142-28-9	1	0.50	ND	ug/L	
1,4-Dichlorobenzene	106-46-7	1	0.50	ND	ug/L	
2,2-Dichloropropane	590-20-7	1	0.50	ND	ug/L	
2-Chlorotoluene	95-49-8	1	0.50	ND	ug/L	
4-Chlorotoluene	106-43-4	1	0.50	ND	ug/L	
Benzene	71-43-2	1	0.50	ND	ug/L	
Bromobenzene	108-86-1	1	0.50	ND	ug/L	
Bromochloromethane	74-97-5	1	0.50	ND	ug/L	
Bromodichloromethane	75-27-4	1	0.50	**0.55**	ug/L	
Bromoform	75-25-2	1	0.50	**0.95**	ug/L	
Bromomethane	74-83-9	1	0.50	ND	ug/L	
Carbon tetrachloride	56-23-5	1	0.50	ND	ug/L	
Chlorobenzene	108-90-7	1	0.50	ND	ug/L	
Chloroethane	75-00-3	1	0.50	ND	ug/L	

NYSDOH ELAP #10795 **PADEP #68-01385** **EPA LAB ID #NY00935**

POB 5150, Cortland, NY 13045-5150

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Microbac
New York

Report Date: *13-Nov-07*
Lab Log No: **0710429**

CLIENT: JOHNSON CITY WATER DEPT
44 CAMDEN STREET
JOHNSON CITY, NY 13790

Client Sample ID: DISTRIBUTION
Sampled By: D.T.
Collection Date: 10/15/07 8:40:00 AM
Received at Lab: 10/15/07
Matrix: DRINKING WATER

Project:

Lab ID: 0710429-01

Analyses	CAS	DF	PQL	Result	Units	Qual
Chloroform	67-66-3	1	0.50	ND	ug/L	
Chloromethane	74-87-3	1	0.50	ND	ug/L	
cis-1,2-Dichloroethene	156-59-2	1	0.50	ND	ug/L	
cis-1,3-Dichloropropene	10061-01-5	1	0.50	ND	ug/L	
Dibromochloromethane	124-48-1	1	0.50	**0.98**	ug/L	
Dibromomethane	74-95-3	1	0.50	ND	ug/L	
Dichlorodifluoromethane	75-71-8	1	0.50	ND	ug/L	
Ethylbenzene	100-41-4	1	0.50	ND	ug/L	
Hexachlorobutadiene	87-68-3	1	0.50	ND	ug/L	
Isopropylbenzene	98-82-8	1	0.50	ND	ug/L	
m,p-Xylene	1330-20-7	1	1.0	ND	ug/L	
Methyl tert-butyl ether	1634-04-4	1	0.50	ND	ug/L	
Methylene chloride	75-09-2	1	0.50	ND	ug/L	
n-Butylbenzene	104-51-8	1	0.50	ND	ug/L	
n-Propylbenzene	103-65-1	1	0.50	ND	ug/L	
Naphthalene	91-20-3	1	0.50	ND	ug/L	
o-Xylene	95-47-6	1	0.50	ND	ug/L	
p-Isopropyltoluene	99-87-6	1	0.50	ND	ug/L	
sec-Butylbenzene	135-98-8	1	0.50	ND	ug/L	
Styrene	100-42-5	1	0.50	ND	ug/L	
tert-Butylbenzene	98-06-6	1	0.50	ND	ug/L	
Tetrachloroethene	127-18-4	1	0.50	ND	ug/L	
Toluene	108-88-3	1	0.50	ND	ug/L	
Total Trihalomethanes		1	0.50	**2.5**	ug/L	
trans-1,2-Dichloroethene	156-60-5	1	0.50	ND	ug/L	
trans-1,3-Dichloropropene	10061-02-6	1	0.50	ND	ug/L	
Trichloroethene	79-01-6	1	0.50	ND	ug/L	
Trichlorofluoromethane	75-69-4	1	0.50	ND	ug/L	
Vinyl chloride	75-01-4	1	0.50	ND	ug/L	
Surr: 1,4-Dichlorobenzene-d4	3855-82-1	1	75-125	93.2	%REC	
Surr: 4-Bromofluorobenzene	460-00-4	1	65-132	94.8	%REC	

NYSDOH ELAP #10795 **PADEP #68-01385** **EPA LAB ID #NY00935**

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Microbac
New York

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SDWIS

Report Date: *26-Sep-07*
Lab Log No: **0708542**

CLIENT: JOHNSON CITY WATER DEPT
44 CAMDEN STREET ORGS
JOHNSON CITY, NY 13790
Project: QUARTERLY
Lab ID: 0708542-02 CAMDEN ST EP

Client Sample ID: WELL #2 TREATED
Sampled By: D. TEETER
Collection Date: 08/22/07 9:10:00 AM
Received at Lab: 08/23/07
Matrix: DRINKING WATER

Analyses	CAS	DF	PQL	Result	Units	Qual
PART 5 POC'S BY EPA 524		Analyst: **CMC**	Analysis Date: **Sep 04, 2007 6:40 pm**			
1,1,1,2-Tetrachloroethane	630-20-6	1	0.50	ND	ug/L	
1,1,1-Trichloroethane	71-55-6	1	0.50	ND	ug/L	
1,1,2,2-Tetrachloroethane	79-34-5	1	0.50	ND	ug/L	
1,1,2-Trichloroethane	79-00-5	1	0.50	ND	ug/L	
1,1-Dichloroethane	75-34-3	1	0.50	ND	ug/L	
1,1-Dichloroethene	75-35-4	1	0.50	ND	ug/L	
1,1-Dichloropropene	563-58-6	1	0.50	ND	ug/L	
1,2,3-Trichlorobenzene	87-61-6	1	0.50	ND	ug/L	
1,2,3-Trichloropropane	96-18-4	1	0.50	ND	ug/L	
1,2,4-Trichlorobenzene	120-82-1	1	0.50	ND	ug/L	
1,2,4-Trimethylbenzene	95-63-6	1	0.50	ND	ug/L	
1,2-Dibromo-3-chloropropane	96-12-8	1	0.50	ND	ug/L	
1,2-Dibromoethane	106-93-4	1	0.50	ND	ug/L	
1,2-Dichlorobenzene	95-50-1	1	0.50	ND	ug/L	
1,2-Dichloroethane	107-06-2	1	0.50	ND	ug/L	
1,2-Dichloropropane	78-87-5	1	0.50	ND	ug/L	
1,3,5-Trimethylbenzene	108-67-8	1	0.50	ND	ug/L	
1,3-Dichlorobenzene	541-73-1	1	0.50	ND	ug/L	
1,3-Dichloropropane	142-28-9	1	0.50	ND	ug/L	
1,4-Dichlorobenzene	106-46-7	1	0.50	ND	ug/L	
2,2-Dichloropropane	590-20-7	1	0.50	ND	ug/L	
2-Chlorotoluene	95-49-8	1	0.50	ND	ug/L	
4-Chlorotoluene	106-43-4	1	0.50	ND	ug/L	
Benzene	71-43-2	1	0.50	ND	ug/L	
Bromobenzene	108-86-1	1	0.50	ND	ug/L	
Bromochloromethane	74-97-5	1	0.50	ND	ug/L	
Bromodichloromethane	75-27-4	1	0.50	**0.89**	ug/L	
Bromoform	75-25-2	1	0.50	**2.1**	ug/L	
Bromomethane	74-83-9	1	0.50	ND	ug/L	
Carbon tetrachloride	56-23-5	1	0.50	ND	ug/L	
Chlorobenzene	108-90-7	1	0.50	ND	ug/L	
Chloroethane	75-00-3	1	0.50	ND	ug/L	

NYSDOH ELAP #10795 **PADEP #68-01385** **EPA LAB ID #NY00935**
POB 5150, Cortland, NY 13045-5150
Tel 607.753.3403 Fax 607.753.3415

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Report Date: *26-Sep-07*
Lab Log No: **0708542**

SDWIS

CLIENT: JOHNSON CITY WATER DEPT
44 CAMDEN STREET
JOHNSON CITY, NY 13790
Project: QUARTERLY
Lab ID: 0708542-02

Client Sample ID: WELL #2 TREATED
Sampled By: D. TEETER
Collection Date: 08/22/07 9:10:00 AM
Received at Lab: 08/23/07
Matrix: DRINKING WATER

Analyses	CAS	DF	PQL	Result	Units	Qual
Chloroform	67-66-3	1	0.50	ND	ug/L	
Chloromethane	74-87-3	1	0.50	ND	ug/L	
cis-1,2-Dichloroethene	156-59-2	1	0.50	ND	ug/L	
cis-1,3-Dichloropropene	10061-01-5	1	0.50	ND	ug/L	
Dibromochloromethane	124-48-1	1	0.50	**1.9**	ug/L	
Dibromomethane	74-95-3	1	0.50	ND	ug/L	
Dichlorodifluoromethane	75-71-8	1	0.50	ND	ug/L	
Ethylbenzene	100-41-4	1	0.50	ND	ug/L	
Hexachlorobutadiene	87-68-3	1	0.50	ND	ug/L	
Isopropylbenzene	98-82-8	1	0.50	ND	ug/L	
m,p-Xylene	1330-20-7	1	1.0	ND	ug/L	
Methyl tert-butyl ether	1634-04-4	1	0.50	ND	ug/L	
Methylene chloride	75-09-2	1	0.50	ND	ug/L	
n-Butylbenzene	104-51-8	1	0.50	ND	ug/L	
n-Propylbenzene	103-65-1	1	0.50	ND	ug/L	
Naphthalene	91-20-3	1	0.50	ND	ug/L	
o-Xylene	95-47-6	1	0.50	ND	ug/L	
p-Isopropyltoluene	99-87-6	1	0.50	ND	ug/L	
sec-Butylbenzene	135-98-8	1	0.50	ND	ug/L	
Styrene	100-42-5	1	0.50	ND	ug/L	
tert-Butylbenzene	98-06-6	1	0.50	ND	ug/L	
Tetrachloroethene	127-18-4	1	0.50	ND	ug/L	
Toluene	108-88-3	1	0.50	ND	ug/L	
Total Trihalomethanes		1	0.50	**4.9**	ug/L	
trans-1,2-Dichloroethene	156-60-5	1	0.50	ND	ug/L	
trans-1,3-Dichloropropene	10061-02-6	1	0.50	ND	ug/L	
Trichloroethene	79-01-6	1	0.50	ND	ug/L	
Trichlorofluoromethane	75-69-4	1	0.50	ND	ug/L	
Vinyl chloride	75-01-4	1	0.50	ND	ug/L	
Surr: 1,4-Dichlorobenzene-d4	3855-82-1	1	75-125	88.0	%REC	
Surr: 4-Bromofluorobenzene	460-00-4	1	65-132	92.8	%REC	

NYSDOH ELAP #10795 **PADEP #68-01385** **EPA LAB ID #NY00935**
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Report Date: *26-Sep-07*
Lab Log No: **0708542**

CLIENT: JOHNSON CITY WATER DEPT
44 CAMDEN STREET
JOHNSON CITY, NY 13790
Project: QUARTERLY
Lab ID: 0708542-01

Client Sample ID: WELL #2 RAW
Sampled By: D. TEETER
Collection Date: 08/22/07 9:05:00 AM
Received at Lab: 08/23/07
Matrix: DRINKING WATER

Analyses	CAS	DF	PQL	Result	Units	Qual
PART 5 POC'S BY EPA 524		Analyst: **CMC**	Analysis Date: **Sep 04, 2007 6:06 pm**			
1,1,1,2-Tetrachloroethane	630-20-6	1	0.50	ND	ug/L	
1,1,1-Trichloroethane	71-55-6	1	0.50	**0.56**	ug/L	
1,1,2,2-Tetrachloroethane	79-34-5	1	0.50	ND	ug/L	
1,1,2-Trichloroethane	79-00-5	1	0.50	ND	ug/L	
1,1-Dichloroethane	75-34-3	1	0.50	ND	ug/L	
1,1-Dichloroethene	75-35-4	1	0.50	ND	ug/L	
1,1-Dichloropropene	563-58-6	1	0.50	ND	ug/L	
1,2,3-Trichlorobenzene	87-61-6	1	0.50	ND	ug/L	
1,2,3-Trichloropropane	96-18-4	1	0.50	ND	ug/L	
1,2,4-Trichlorobenzene	120-82-1	1	0.50	ND	ug/L	
1,2,4-Trimethylbenzene	95-63-6	1	0.50	ND	ug/L	
1,2-Dibromo-3-chloropropane	96-12-8	1	0.50	ND	ug/L	
1,2-Dibromoethane	106-93-4	1	0.50	ND	ug/L	
1,2-Dichlorobenzene	95-50-1	1	0.50	ND	ug/L	
1,2-Dichloroethane	107-06-2	1	0.50	ND	ug/L	
1,2-Dichloropropane	78-87-5	1	0.50	ND	ug/L	
1,3,5-Trimethylbenzene	108-67-8	1	0.50	ND	ug/L	
1,3-Dichlorobenzene	541-73-1	1	0.50	ND	ug/L	
1,3-Dichloropropane	142-28-9	1	0.50	ND	ug/L	
1,4-Dichlorobenzene	106-46-7	1	0.50	ND	ug/L	
2,2-Dichloropropane	590-20-7	1	0.50	ND	ug/L	
2-Chlorotoluene	95-49-8	1	0.50	ND	ug/L	
4-Chlorotoluene	106-43-4	1	0.50	ND	ug/L	
Benzene	71-43-2	1	0.50	ND	ug/L	
Bromobenzene	108-86-1	1	0.50	ND	ug/L	
Bromochloromethane	74-97-5	1	0.50	ND	ug/L	
Bromodichloromethane	75-27-4	1	0.50	ND	ug/L	
Bromoform	75-25-2	1	0.50	ND	ug/L	
Bromomethane	74-83-9	1	0.50	ND	ug/L	
Carbon tetrachloride	56-23-5	1	0.50	ND	ug/L	
Chlorobenzene	108-90-7	1	0.50	ND	ug/L	
Chloroethane	75-00-3	1	0.50	ND	ug/L	

NYSDOH ELAP #10795 **PADEP #68-01385** **EPA LAB ID #NY00935**
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Report Date: *26-Sep-07*
Lab Log No: **0708542**

CLIENT: JOHNSON CITY WATER DEPT
44 CAMDEN STREET
JOHNSON CITY, NY 13790
Project: QUARTERLY
Lab ID: 0708542-01

Client Sample ID: WELL #2 RAW
Sampled By: D. TEETER
Collection Date: 08/22/07 9:05:00 AM
Received at Lab: 08/23/07
Matrix: DRINKING WATER

Analyses	CAS	DF	PQL	Result	Units	Qual
Chloroform	67-66-3	1	0.50	**0.56**	ug/L	
Chloromethane	74-87-3	1	0.50	ND	ug/L	
cis-1,2-Dichloroethene	156-59-2	1	0.50	ND	ug/L	
cis-1,3-Dichloropropene	10061-01-5	1	0.50	ND	ug/L	
Dibromochloromethane	124-48-1	1	0.50	ND	ug/L	
Dibromomethane	74-95-3	1	0.50	ND	ug/L	
Dichlorodifluoromethane	75-71-8	1	0.50	ND	ug/L	
Ethylbenzene	100-41-4	1	0.50	ND	ug/L	
Hexachlorobutadiene	87-68-3	1	0.50	ND	ug/L	
Isopropylbenzene	98-82-8	1	0.50	ND	ug/L	
m,p-Xylene	1330-20-7	1	1.0	ND	ug/L	
Methyl tert-butyl ether	1634-04-4	1	0.50	ND	ug/L	
Methylene chloride	75-09-2	1	0.50	ND	ug/L	
n-Butylbenzene	104-51-8	1	0.50	ND	ug/L	
n-Propylbenzene	103-65-1	1	0.50	ND	ug/L	
Naphthalene	91-20-3	1	0.50	ND	ug/L	
o-Xylene	95-47-6	1	0.50	ND	ug/L	
p-Isopropyltoluene	99-87-6	1	0.50	ND	ug/L	
sec-Butylbenzene	135-98-8	1	0.50	ND	ug/L	
Styrene	100-42-5	1	0.50	ND	ug/L	
tert-Butylbenzene	98-06-6	1	0.50	ND	ug/L	
Tetrachloroethene	127-18-4	1	0.50	ND	ug/L	
Toluene	108-88-3	1	0.50	ND	ug/L	
Total Trihalomethanes		1	0.50	**0.56**	ug/L	
trans-1,2-Dichloroethene	156-60-5	1	0.50	ND	ug/L	
trans-1,3-Dichloropropene	10061-02-6	1	0.50	ND	ug/L	
Trichloroethene	79-01-6	1	0.50	**0.64**	ug/L	
Trichlorofluoromethane	75-69-4	1	0.50	ND	ug/L	
Vinyl chloride	75-01-4	1	0.50	ND	ug/L	
Surr: 1,4-Dichlorobenzene-d4	3855-82-1	1	75-125	91.2	%REC	
Surr: 4-Bromofluorobenzene	460-00-4	1	65-132	95.6	%REC	

NYSDOH ELAP #10795 **PADEP #68-01385** **EPA LAB ID #NY00935**
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Report Date: *26-Sep-07*
Lab Log No: **0708542**

CLIENT:	JOHNSON CITY WATER DEPT 44 CAMDEN STREET JOHNSON CITY, NY 13790	**Client Sample ID:**	WELL #3
		Sampled By:	D. TEETER
		Collection Date:	08/22/07 9:20:00 AM
Project:	QUARTERLY	**Received at Lab:**	08/23/07
Lab ID:	0708542-04	**Matrix:**	DRINKING WATER

Analyses	CAS	DF	PQL	Result	Units	Qual
PART 5 POC'S BY EPA 524		Analyst: **CMC**	Analysis Date: **Sep 04, 2007 7:14 pm**			
1,1,1,2-Tetrachloroethane	630-20-6	1	0.50	ND	ug/L	
1,1,1-Trichloroethane	71-55-6	1	0.50	1.1	ug/L	
1,1,2,2-Tetrachloroethane	79-34-5	1	0.50	ND	ug/L	
1,1,2-Trichloroethane	79-00-5	1	0.50	ND	ug/L	
1,1-Dichloroethane	75-34-3	1	0.50	ND	ug/L	
1,1-Dichloroethene	75-35-4	1	0.50	ND	ug/L	
1,1-Dichloropropene	563-58-6	1	0.50	ND	ug/L	
1,2,3-Trichlorobenzene	87-61-6	1	0.50	ND	ug/L	
1,2,3-Trichloropropane	96-18-4	1	0.50	ND	ug/L	
1,2,4-Trichlorobenzene	120-82-1	1	0.50	ND	ug/L	
1,2,4-Trimethylbenzene	95-63-6	1	0.50	ND	ug/L	
1,2-Dibromo-3-chloropropane	96-12-8	1	0.50	ND	ug/L	
1,2-Dibromoethane	106-93-4	1	0.50	ND	ug/L	
1,2-Dichlorobenzene	95-50-1	1	0.50	ND	ug/L	
1,2-Dichloroethane	107-06-2	1	0.50	ND	ug/L	
1,2-Dichloropropane	78-87-5	1	0.50	ND	ug/L	
1,3,5-Trimethylbenzene	108-67-8	1	0.50	ND	ug/L	
1,3-Dichlorobenzene	541-73-1	1	0.50	ND	ug/L	
1,3-Dichloropropane	142-28-9	1	0.50	ND	ug/L	
1,4-Dichlorobenzene	106-46-7	1	0.50	ND	ug/L	
2,2-Dichloropropane	590-20-7	1	0.50	ND	ug/L	
2-Chlorotoluene	95-49-8	1	0.50	ND	ug/L	
4-Chlorotoluene	106-43-4	1	0.50	ND	ug/L	
Benzene	71-43-2	1	0.50	ND	ug/L	
Bromobenzene	108-86-1	1	0.50	ND	ug/L	
Bromochloromethane	74-97-5	1	0.50	ND	ug/L	
Bromodichloromethane	75-27-4	1	0.50	ND	ug/L	
Bromoform	75-25-2	1	0.50	ND	ug/L	
Bromomethane	74-83-9	1	0.50	ND	ug/L	
Carbon tetrachloride	56-23-5	1	0.50	ND	ug/L	
Chlorobenzene	108-90-7	1	0.50	ND	ug/L	
Chloroethane	75-00-3	1	0.50	ND	ug/L	

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Report Date: *26-Sep-07*
Lab Log No: **0708542**

CLIENT: JOHNSON CITY WATER DEPT
44 CAMDEN STREET
JOHNSON CITY, NY 13790
Project: QUARTERLY
Lab ID: 0708542-04

Client Sample ID: WELL #3
Sampled By: D. TEETER
Collection Date: 08/22/07 9:20:00 AM
Received at Lab: 08/23/07
Matrix: DRINKING WATER

Analyses	CAS	DF	PQL	Result	Units	Qual
Chloroform	67-66-3	1	0.50	ND	ug/L	
Chloromethane	74-87-3	1	0.50	ND	ug/L	
cis-1,2-Dichloroethene	156-59-2	1	0.50	ND	ug/L	
cis-1,3-Dichloropropene	10061-01-5	1	0.50	ND	ug/L	
Dibromochloromethane	124-48-1	1	0.50	ND	ug/L	
Dibromomethane	74-95-3	1	0.50	ND	ug/L	
Dichlorodifluoromethane	75-71-8	1	0.50	ND	ug/L	
Ethylbenzene	100-41-4	1	0.50	ND	ug/L	
Hexachlorobutadiene	87-68-3	1	0.50	ND	ug/L	
Isopropylbenzene	98-82-8	1	0.50	ND	ug/L	
m,p-Xylene	1330-20-7	1	1.0	ND	ug/L	
Methyl tert-butyl ether	1634-04-4	1	0.50	ND	ug/L	
Methylene chloride	75-09-2	1	0.50	ND	ug/L	
n-Butylbenzene	104-51-8	1	0.50	ND	ug/L	
n-Propylbenzene	103-65-1	1	0.50	ND	ug/L	
Naphthalene	91-20-3	1	0.50	ND	ug/L	
o-Xylene	95-47-6	1	0.50	ND	ug/L	
p-Isopropyltoluene	99-87-6	1	0.50	ND	ug/L	
sec-Butylbenzene	135-98-8	1	0.50	ND	ug/L	
Styrene	100-42-5	1	0.50	ND	ug/L	
tert-Butylbenzene	98-06-6	1	0.50	ND	ug/L	
Tetrachloroethene	127-18-4	1	0.50	ND	ug/L	
Toluene	108-88-3	1	0.50	ND	ug/L	
Total Trihalomethanes		1	0.50	ND	ug/L	
trans-1,2-Dichloroethene	156-60-5	1	0.50	ND	ug/L	
trans-1,3-Dichloropropene	10061-02-6	1	0.50	ND	ug/L	
Trichloroethene	79-01-6	1	0.50	**0.97**	ug/L	
Trichlorofluoromethane	75-69-4	1	0.50	ND	ug/L	
Vinyl chloride	75-01-4	1	0.50	ND	ug/L	
Surr: 1,4-Dichlorobenzene-d4	3655-82-1	1	75-125	95.8	%REC	
Surr: 4-Bromofluorobenzene	460-00-4	1	85-132	104	%REC	

NYSDOH ELAP #10795 **PADEP #68-01385** **EPA LAB ID #NY00935**
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Report Date: *26-Sep-07*
Lab Log No: **0708542**

CLIENT: JOHNSON CITY WATER DEPT
44 CAMDEN STREET
JOHNSON CITY, NY 13790
Project: QUARTERLY
Lab ID: 0708542-05

POSTED

Client Sample ID: WELL #6
Sampled By: D. TEETER
Collection Date: 08/22/07 9:45:00 AM
Received at Lab: 08/23/07
Matrix: DRINKING WATER

Analyses	CAS	DF	PQL	Result	Units	Qual
PART 5 POC'S BY EPA 524		Analyst: **CMC**	Analysis Date: **Sep 04, 2007 7:49 pm**			
1,1,1,2-Tetrachloroethane	630-20-6	1	0.50	ND	ug/L	
1,1,1-Trichloroethane	71-55-6	1	0.50	ND	ug/L	
1,1,2,2-Tetrachloroethane	79-34-5	1	0.50	ND	ug/L	
1,1,2-Trichloroethane	79-00-5	1	0.50	ND	ug/L	
1,1-Dichloroethane	75-34-3	1	0.50	ND	ug/L	
1,1-Dichloroethene	75-35-4	1	0.50	ND	ug/L	
1,1-Dichloropropene	563-58-6	1	0.50	ND	ug/L	
1,2,3-Trichlorobenzene	87-61-6	1	0.50	ND	ug/L	
1,2,3-Trichloropropane	96-18-4	1	0.50	ND	ug/L	
1,2,4-Trichlorobenzene	120-82-1	1	0.50	ND	ug/L	
1,2,4-Trimethylbenzene	95-63-6	1	0.50	ND	ug/L	
1,2-Dibromo-3-chloropropane	96-12-8	1	0.50	ND	ug/L	
1,2-Dibromoethane	106-93-4	1	0.50	ND	ug/L	
1,2-Dichlorobenzene	95-50-1	1	0.50	ND	ug/L	
1,2-Dichloroethane	107-06-2	1	0.50	ND	ug/L	
1,2-Dichloropropane	78-87-5	1	0.50	ND	ug/L	
1,3,5-Trimethylbenzene	108-67-8	1	0.50	ND	ug/L	
1,3-Dichlorobenzene	541-73-1	1	0.50	ND	ug/L	
1,3-Dichloropropane	142-28-9	1	0.50	ND	ug/L	
1,4-Dichlorobenzene	106-46-7	1	0.50	ND	ug/L	
2,2-Dichloropropane	590-20-7	1	0.50	ND	ug/L	
2-Chlorotoluene	95-49-8	1	0.50	ND	ug/L	
4-Chlorotoluene	106-43-4	1	0.50	ND	ug/L	
Benzene	71-43-2	1	0.50	ND	ug/L	
Bromobenzene	108-86-1	1	0.50	ND	ug/L	
Bromochloromethane	74-97-5	1	0.50	ND	ug/L	
Bromodichloromethane	75-27-4	1	0.50	ND	ug/L	
Bromoform	75-25-2	1	0.50	ND	ug/L	
Bromomethane	74-83-9	1	0.50	ND	ug/L	
Carbon tetrachloride	56-23-5	1	0.50	ND	ug/L	
Chlorobenzene	108-90-7	1	0.50	ND	ug/L	
Chloroethane	75-00-3	1	0.50	ND	ug/L	

NYSDOH ELAP #10795 **PADEP #68-01385** **EPA LAB ID #NY00935**

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Report Date: 26-Sep-07
Lab Log No: 0708542

CLIENT: JOHNSON CITY WATER DEPT
44 CAMDEN STREET
JOHNSON CITY, NY 13790
Project: QUARTERLY
Lab ID: 0708542-05

POSTED

Client Sample ID: WELL #6
Sampled By: D. TEETER
Collection Date: 08/22/07 9:45:00 AM
Received at Lab: 08/23/07
Matrix: DRINKING WATER

Analyses	CAS	DF	PQL	Result	Units	Qual
Chloroform	67-66-3	1	0.50	ND	ug/L	
Chloromethane	74-87-3	1	0.50	ND	ug/L	
cis-1,2-Dichloroethene	156-59-2	1	0.50	ND	ug/L	
cis-1,3-Dichloropropene	10061-01-5	1	0.50	ND	ug/L	
Dibromochloromethane	124-48-1	1	0.50	ND	ug/L	
Dibromomethane	74-95-3	1	0.50	ND	ug/L	
Dichlorodifluoromethane	75-71-8	1	0.50	ND	ug/L	
Ethylbenzene	100-41-4	1	0.50	ND	ug/L	
Hexachlorobutadiene	87-68-3	1	0.50	ND	ug/L	
Isopropylbenzene	98-82-8	1	0.50	ND	ug/L	
m,p-Xylene	1330-20-7	1	1.0	ND	ug/L	
Methyl tert-butyl ether	1634-04-4	1	0.50	ND	ug/L	
Methylene chloride	75-09-2	1	0.50	ND	ug/L	
n-Butylbenzene	104-51-8	1	0.50	ND	ug/L	
n-Propylbenzene	103-65-1	1	0.50	ND	ug/L	
Naphthalene	91-20-3	1	0.50	ND	ug/L	
o-Xylene	95-47-6	1	0.50	ND	ug/L	
p-Isopropyltoluene	99-87-6	1	0.50	ND	ug/L	
sec-Butylbenzene	135-98-8	1	0.50	ND	ug/L	
Styrene	100-42-5	1	0.50	ND	ug/L	
tert-Butylbenzene	98-06-6	1	0.50	ND	ug/L	
Tetrachloroethene	127-18-4	1	0.50	0.75	ug/L	
Toluene	108-88-3	1	0.50	ND	ug/L	
Total Trihalomethanes		1	0.50	ND	ug/L	
trans-1,2-Dichloroethene	156-60-5	1	0.50	ND	ug/L	
trans-1,3-Dichloropropene	10061-02-6	1	0.50	ND	ug/L	
Trichloroethene	79-01-6	1	0.50	ND	ug/L	
Trichlorofluoromethane	75-69-4	1	0.50	ND	ug/L	
Vinyl chloride	75-01-4	1	0.50	ND	ug/L	
Surr: 1,4-Dichlorobenzene-d4	3855-82-1	1	75-125	97.8	%REC	
Surr: 4-Bromofluorobenzene	460-00-4	1	65-132	100	%REC	

This laboratory analysis has been performed in accordance with generally accepted laboratory practices and requirements of the New York State Department of Health ELAP Program. MICROBAC-New York makes no recommendations, representations or warranties other than as specifically set forth in this report and shall not be responsible or liable for any action or the consequences of any action taken in connection with this report. This report is incomplete unless all pages indicated in the footnote are present and an authorized signature is included on the cover letter.

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Certificate of Analysis

SDWIS POSTED

Johnson City Water Department
44 Camden Streeet
Johnson City, NY 13790
Attn:

Order Number: 0705-00603
Date Reported: 6/12/2007
Invoice Number 45240
Customer Number: T009
Customer PO:

Organics

Subject: Johnson City Water Dept. - 524,Gross Alpha,Rad 226&228

Sample Details

Sample #: 001
Description: Well #3 Grab
Sampled: 5/11/2007 13:25 Client
Received: 5/11/2007, 15:15

Analysis Details

Analysis Performed	Result	Units	Detection Limit	Method	Analysis Information
524.2 NY					
1,1,1,2-Tetrachloroethane	U	ug/L	0.5	EPA 524.2	5/22/07, 18:45, SUB
1,1,1-Trichloroethane	1.2	ug/L	0.5		5/22/07, 18:45, SUB
1,1,2,2-Tetrachloroethane	U	ug/L	0.5		5/22/07, 18:45, SUB
1,1,2-Trichloroethane	U	ug/L	0.5		5/22/07, 18:45, SUB
1,1-Dichloroethane	U	ug/L	0.5		5/22/07, 18:45, SUB
1,1-Dichloroethene	U	ug/L	0.5		5/22/07, 18:45, SUB
1,1-Dichloropropene	U	ug/L	0.5		5/22/07, 18:45, SUB
1,2,3-Trichlorobenzene	U	ug/L	0.5		5/22/07, 18:45, SUB
1,2,3-Trichloropropane	U	ug/L	0.5		5/22/07, 18:45, SUB
1,2,4-Trichlorobenzene	U	ug/L	0.5		5/22/07, 18:45, SUB
1,2,4-Trimethylbenzene	U	ug/L	0.5		5/22/07, 18:45, SUB
1,2-Dichlorobenzene	U	ug/L	0.5		5/22/07, 18:45, SUB
1,2-Dichloroethane	U	ug/L	0.5		5/22/07, 18:45, SUB
1,2-Dichloropropane	U	ug/L	0.5		5/22/07, 18:45, SUB
1,3,5-Trimethylbenzene	U	ug/L	0.5		5/22/07, 18:45, SUB
1,3-Dichlorobenzene	U	ug/L	0.5		5/22/07, 18:45, SUB
1,3-Dichloropropane	U	ug/L	0.5		5/22/07, 18:45, SUB
1,4-Dichlorobenzene	U	ug/L	0.5		5/22/07, 18:45, SUB
2,2-Dichloropropane	U	ug/L	0.5		5/22/07, 18:45, SUB
2-Chlorotoluene	U	ug/L	0.5		5/22/07, 18:45, SUB
4-Chlorotoluene	U	ug/L	0.5		5/22/07, 18:45, SUB
Benzene	U	ug/L	0.5		5/22/07, 18:45, SUB
Bromobenzene	U	ug/L	0.5		5/22/07, 18:45, SUB
Bromochloromethane	U	ug/L	0.5		5/22/07, 18:45, SUB
Bromodichloromethane	U	ug/L	0.5		5/22/07, 18:45, SUB
Bromoform	U	ug/L	0.5		5/22/07, 18:45, SUB
Bromomethane	U	ug/L	0.5		5/22/07, 18:45, SUB
Carbon Tetrachloride	U	ug/L	0.5		5/22/07, 18:45, SUB
Chlorobenzene	U	ug/L	0.5		5/22/07, 18:45, SUB
Chloroethane	U	ug/L	0.5		5/22/07, 18:45, SUB
Chloroform	U	ug/L	0.5		5/22/07, 18:45, SUB
Chloromethane	U	ug/L	0.5		5/22/07, 18:45, SUB
cis-1,2-Dichloroethene	U	ug/L	0.5		5/22/07, 18:45, SUB
					5/22/07, 18:45, SUB

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PA 68180 EPA NY00033

Certificate of Analysis

Johnson City Water Department
44 Camden Streeet
Johnson City, NY 13790
Attn:

Order Number: 0705-00603
Date Reported: 6/12/2007
Invoice Number 45240
Customer Number: T009
Customer PO:

Subject: Johnson City Water Dept. - 524,Gross Alpha,Rad 226&228

Analysis Performed	Result	Units	Detection Limit	Method	Analysis Information
Analysis Details					
.....continued					
cis-1,3-Dichloropropene	U	ug/L	0.5		5/22/07, 18:45, SUB
Chlorodibromomethane	U	ug/L	0.5		5/22/07, 18:45, SUB
Dibromomethane	U	ug/L	0.5		5/22/07, 18:45, SUB
Dichlorodifluoromethane	U	ug/L	0.5		5/22/07, 18:45, SUB
Ethylbenzene	U	ug/L	0.5		5/22/07, 18:45, SUB
Hexachlorobutadiene	U	ug/L	0.5		5/22/07, 18:45, SUB
Isopropylbenzene	U	ug/L	0.5		5/22/07, 18:45, SUB
m- & p-Xylenes	U	ug/L	1.0		5/22/07, 18:45, SUB
Methyl tert-butyl ether	U	ug/L	0.5		5/22/07, 18:45, SUB
Methylene Chloride	U	ug/L	0.5		5/22/07, 18:45, SUB
n-Butylbenzene	U	ug/L	0.5		5/22/07, 18:45, SUB
n-Propylbenzene	U	ug/L	0.5		5/22/07, 18:45, SUB
Naphthalene	U	ug/L	0.5		5/22/07, 18:45, SUB
o-Xylene	U	ug/L	0.5		5/22/07, 18:45, SUB
4-Isopropyltoluene	U	ug/L	0.5		5/22/07, 18:45, SUB
sec-Butylbenzene	U	ug/L	0.5		5/22/07, 18:45, SUB
Styrene	U	ug/L	0.5		5/22/07, 18:45, SUB
tert-Butylbenzene	U	ug/L	0.5		5/22/07, 18:45, SUB
Tetrachloroethene	U	ug/L	0.5		5/22/07, 18:45, SUB
Toluene	U	ug/L	0.5		5/22/07, 18:45, SUB
trans-1,2-Dichloroethene	U	ug/L	0.5		5/22/07, 18:45, SUB
trans-1,3-Dichloropropene	U	ug/L	0.5		5/22/07, 18:45, SUB
Trichloroethene	0.98	ug/L	0.5		5/22/07, 18:45, SUB
Trichlorofluoromethane	U	ug/L	0.5		5/22/07, 18:45, SUB
Vinyl Chloride	U	ug/L	0.5		5/22/07, 18:45, SUB
1,4-Dichlorobenzene-d4 (Sur	91	% Rec			5/22/07, 18:45, SUB
4-Bromofluorobenzene (Surr)	95.2	% Rec			5/22/07, 18:45, SUB
Gross Alpha	-1.1 +/- 2.2	pCi/L		EPA 900.0	6/11/07, 0:00, SUB
Radium 226	0.07 +/- 0.1	pCi/L		7500 RaB Modified	5/21/07, 0:00, SUB
Radium 228	2.8 +/- 1.9	pCi/L		EPA 904.0	6/6/07, 0:00, SUB

Report Comment:524.2 subcontracted to Microbac-New York, in Cortland, NY - NY#10795.
Report Comment:Gross Alpha, Radium 226, & Radium 228 subcontracted to Waste Stream Technologies,
Report Comment:Inc., in Buffalo, NY - NY#11179, PA#68757.

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Certificate of Analysis

Johnson City Water Department
44 Camden Streeet
Johnson City, NY 13790
Attn:

Order Number: 0705-00603
Date Reported: 6/12/2007
Invoice Number 45240
Customer Number: T009
Customer PO:

Subject: Johnson City Water Dept. - 524,Gross Alpha,Rad 226&228

Analysis Performed	Result	Units	Detection Limit	Method	Analysis Information

Approved By: _____
Hal Warso, Managing Director

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Certificate of Analysis

Johnson City Water Department
44 Camden Streeet
Johnson City, NY 13790
Attn:

Order Number: 0705-00603
Date Reported: 6/12/2007
Invoice Number 45240
Customer Number: T009
Customer PO:

Subject: Johnson City Water Dept. - 524,Gross Alpha,Rad 226&228

Sample Details

Sample #: 002
Description: Well #2 Raw Grab
Sampled: 5/11/2007 13:30 Client
Received: 5/11/2007, 15:15

Analysis Details

Analysis Performed	Result	Units	Detection Limit	Method	Analysis Information
524.2 NY				EPA 524.2	5/22/07, 19:19, SUB
1,1,1,2-Tetrachloroethane	U	ug/L	0.5		5/22/07, 19:19, SUB
1,1,1-Trichloroethane	0.53	ug/L	0.5		5/22/07, 19:19, SUB
1,1,2,2-Tetrachloroethane	U	ug/L	0.5		5/22/07, 19:19, SUB
1,1,2-Trichloroethane	U	ug/L	0.5		5/22/07, 19:19, SUB
1,1-Dichloroethane	U	ug/L	0.5		5/22/07, 19:19, SUB
1,1-Dichloroethene	U	ug/L	0.5		5/22/07, 19:19, SUB
1,1-Dichloropropene	U	ug/L	0.5		5/22/07, 19:19, SUB
1,2,3-Trichlorobenzene	U	ug/L	0.5		5/22/07, 19:19, SUB
1,2,3-Trichloropropane	U	ug/L	0.5		5/22/07, 19:19, SUB
1,2,4-Trichlorobenzene	U	ug/L	0.5		5/22/07, 19:19, SUB
1,2,4-Trimethylbenzene	U	ug/L	0.5		5/22/07, 19:19, SUB
1,2-Dichlorobenzene	U	ug/L	0.5		5/22/07, 19:19, SUB
1,2-Dichloroethane	U	ug/L	0.5		5/22/07, 19:19, SUB
1,2-Dichloropropane	U	ug/L	0.5		5/22/07, 19:19, SUB
1,3,5-Trimethylbenzene	U	ug/L	0.5		5/22/07, 19:19, SUB
1,3-Dichlorobenzene	U	ug/L	0.5		5/22/07, 19:19, SUB
1,3-Dichloropropane	U	ug/L	0.5		5/22/07, 19:19, SUB
1,4-Dichlorobenzene	U	ug/L	0.5		5/22/07, 19:19, SUB
2,2-Dichloropropane	U	ug/L	0.5		5/22/07, 19:19, SUB
2-Chlorotoluene	U	ug/L	0.5		5/22/07, 19:19, SUB
4-Chlorotoluene	U	ug/L	0.5		5/22/07, 19:19, SUB
Benzene	U	ug/L	0.5		5/22/07, 19:19, SUB
Bromobenzene	U	ug/L	0.5		5/22/07, 19:19, SUB
Bromochloromethane	U	ug/L	0.5		5/22/07, 19:19, SUB
Bromodichloromethane	U	ug/L	0.5		5/22/07, 19:19, SUB
Bromoform	U	ug/L	0.5		5/22/07, 19:19, SUB
Bromomethane	U	ug/L	0.5		5/22/07, 19:19, SUB
Carbon Tetrachloride	U	ug/L	0.5		5/22/07, 19:19, SUB
Chlorobenzene	U	ug/L	0.5		5/22/07, 19:19, SUB
Chloroethane	U	ug/L	0.5		5/22/07, 19:19, SUB
Chloroform	U	ug/L	0.5		5/22/07, 19:19, SUB
Chloromethane	U	ug/L	0.5		5/22/07, 19:19, SUB
cis-1,2-Dichloroethene	U	ug/L	0.5		5/22/07, 19:19, SUB

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mg/L = milligrams per liter (equivalent to parts per million)
mg/Kg = milligrams per kilogram (equivalent to parts per million

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Certificate of Analysis

Johnson City Water Department
44 Camden Streeet
Johnson City, NY 13790
Attn:

Order Number: 0705-00603
Date Reported: 6/12/2007
Invoice Number 45240
Customer Number: T009
Customer PO:

Subject: Johnson City Water Dept. - 524,Gross Alpha,Rad 226&228

Analysis Performed	Result	Units	Detection Limit	Method	Analysis Information
Analysis Details					
.....continued					
cis-1,3-Dichloropropene	U	ug/L	0.5		5/22/07, 19:19, SUB
Chlorodibromomethane	U	ug/L	0.5		5/22/07, 19:19, SUB
Dibromomethane	U	ug/L	0.5		5/22/07, 19:19, SUB
Dichlorodifluoromethane	U	ug/L	0.5		5/22/07, 19:19, SUB
Ethylbenzene	U	ug/L	0.5		5/22/07, 19:19, SUB
Hexachlorobutadiene	U	ug/L	0.5		5/22/07, 19:19, SUB
Isopropylbenzene	U	ug/L	0.5		5/22/07, 19:19, SUB
m- & p-Xylenes	U	ug/L	1.0		5/22/07, 19:19, SUB
Methyl tert-butyl ether	U	ug/L	0.5		5/22/07, 19:19, SUB
Methylene Chloride	U	ug/L	0.5		5/22/07, 19:19, SUB
n-Butylbenzene	U	ug/L	0.5		5/22/07, 19:19, SUB
n-Propylbenzene	U	ug/L	0.5		5/22/07, 19:19, SUB
Naphthalene	U	ug/L	0.5		5/22/07, 19:19, SUB
o-Xylene	U	ug/L	0.5		5/22/07, 19:19, SUB
4-Isopropyltoluene	U	ug/L	0.5		5/22/07, 19:19, SUB
sec-Butylbenzene	U	ug/L	0.5		5/22/07, 19:19, SUB
Styrene	U	ug/L	0.5		5/22/07, 19:19, SUB
tert-Butylbenzene	U	ug/L	0.5		5/22/07, 19:19, SUB
Tetrachloroethene	U	ug/L	0.5		5/22/07, 19:19, SUB
Toluene	U	ug/L	0.5		5/22/07, 19:19, SUB
trans-1,2-Dichloroethene	U	ug/L	0.5		5/22/07, 19:19, SUB
trans-1,3-Dichloropropene	U	ug/L	0.5		5/22/07, 19:19, SUB
Trichloroethene	0.53	ug/L	0.5		5/22/07, 19:19, SUB
Trichlorofluoromethane	U	ug/L	0.5		5/22/07, 19:19, SUB
Vinyl Chloride	U	ug/L	0.5		5/22/07, 19:19, SUB
1,4-Dichlorobenzene-d4 (Sur	91.4	% Rec			5/22/07, 19:19, SUB
4-Bromofluorobenzene (Surr)	96.4	% Rec			5/22/07, 19:19, SUB

Report Comment:524.2 subcontracted to Microbac-New York, in Cortland, NY - NY#10795.
Report Comment:Gross Alpha, Radium 226, & Radium 228 subcontracted to Waste Stream Technologies,
Report Comment:Inc., in Buffalo, NY - NY#11179, PA#68757.

Approved By: _____
Hal Warso, Managing Director

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Certificate of Analysis

Johnson City Water Department
44 Camden Streeet
Johnson City, NY 13790
Attn:

Order Number: 0705-00603
Date Reported: 6/12/2007
Invoice Number 45240
Customer Number: T009
Customer PO:

Subject: Johnson City Water Dept. - 524,Gross Alpha,Rad 226&228

POSTED SDWIS

Analysis Performed	Result	Units	Detection Limit	Method	Analysis Information
Sample Details					
Sample #: 003					
Description: Well #2 Treated Grab					
Sampled: 5/11/2007 13:35 Client					
Received: 5/11/2007, 15:15					
Analysis Details					
524.2 NY				EPA 524.2	5/22/07, 20:28, SUB
1,1,1,2-Tetrachloroethane	U	ug/L	0.5		5/22/07, 20:28, SUB
1,1,1-Trichloroethane	U	ug/L	0.5		5/22/07, 20:28, SUB
1,1,2,2-Tetrachloroethane	U	ug/L	0.5		5/22/07, 20:28, SUB
1,1,2-Trichloroethane	U	ug/L	0.5		5/22/07, 20:28, SUB
1,1-Dichloroethane	U	ug/L	0.5		5/22/07, 20:28, SUB
1,1-Dichloroethene	U	ug/L	0.5		5/22/07, 20:28, SUB
1,1-Dichloropropene	U	ug/L	0.5		5/22/07, 20:28, SUB
1,2,3-Trichlorobenzene	U	ug/L	0.5		5/22/07, 20:28, SUB
1,2,3-Trichloropropane	U	ug/L	0.5		5/22/07, 20:28, SUB
1,2,4-Trichlorobenzene	U	ug/L	0.5		5/22/07, 20:28, SUB
1,2,4-Trimethylbenzene	U	ug/L	0.5		5/22/07, 20:28, SUB
1,2-Dichlorobenzene	U	ug/L	0.5		5/22/07, 20:28, SUB
1,2-Dichloroethane	U	ug/L	0.5		5/22/07, 20:28, SUB
1,2-Dichloropropane	U	ug/L	0.5		5/22/07, 20:28, SUB
1,3,5-Trimethylbenzene	U	ug/L	0.5		5/22/07, 20:28, SUB
1,3-Dichlorobenzene	U	ug/L	0.5		5/22/07, 20:28, SUB
1,3-Dichloropropane	U	ug/L	0.5		5/22/07, 20:28, SUB
1,4-Dichlorobenzene	U	ug/L	0.5		5/22/07, 20:28, SUB
2,2-Dichloropropane	U	ug/L	0.5		5/22/07, 20:28, SUB
2-Chlorotoluene	U	ug/L	0.5		5/22/07, 20:28, SUB
4-Chlorotoluene	U	ug/L	0.5		5/22/07, 20:28, SUB
Benzene	U	ug/L	0.5		5/22/07, 20:28, SUB
Bromobenzene	U	ug/L	0.5		5/22/07, 20:28, SUB
Bromochloromethane	U	ug/L	0.5		5/22/07, 20:28, SUB
Bromodichloromethane	U	ug/L	0.5		5/22/07, 20:28, SUB
Bromoform	U	ug/L	0.5		5/22/07, 20:28, SUB
Bromomethane	U	ug/L	0.5		5/22/07, 20:28, SUB
Carbon Tetrachloride	U	ug/L	0.5		5/22/07, 20:28, SUB
Chlorobenzene	U	ug/L	0.5		5/22/07, 20:28, SUB
Chloroethane	U	ug/L	0.5		5/22/07, 20:28, SUB
Chloroform	U	ug/L	0.5		5/22/07, 20:28, SUB
Chloromethane	U	ug/L	0.5		5/22/07, 20:28, SUB
cis-1,2-Dichloroethene	U	ug/L	0.5		5/22/07, 20:28, SUB

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Certificate of Analysis

Johnson City Water Department
44 Camden Streeet
Johnson City, NY 13790
Attn:

Order Number: 0705-00603
Date Reported: 6/12/2007
Invoice Number 45240
Customer Number: T009
Customer PO:

Subject: Johnson City Water Dept. - 524,Gross Alpha,Rad 226&228

Analysis Performed	Result	Units	Detection Limit	Method	Analysis Information
Analysis Details					
.....continued					
cis-1,3-Dichloropropene	U	ug/L	0.5		5/22/07, 20:28, SUB
Chlorodibromomethane	U	ug/L	0.5		5/22/07, 20:28, SUB
Dibromomethane	U	ug/L	0.5		5/22/07, 20:28, SUB
Dichlorodifluoromethane	U	ug/L	0.5		5/22/07, 20:28, SUB
Ethylbenzene	U	ug/L	0.5		5/22/07, 20:28, SUB
Hexachlorobutadiene	U	ug/L	0.5		5/22/07, 20:28, SUB
Isopropylbenzene	U	ug/L	0.5		5/22/07, 20:28, SUB
m- & p-Xylenes	U	ug/L	1.0		5/22/07, 20:28, SUB
Methyl tert-butyl ether	U	ug/L	0.5		5/22/07, 20:28, SUB
Methylene Chloride	U	ug/L	0.5		5/22/07, 20:28, SUB
n-Butylbenzene	U	ug/L	0.5		5/22/07, 20:28, SUB
n-Propylbenzene	U	ug/L	0.5		5/22/07, 20:28, SUB
Naphthalene	U	ug/L	0.5		5/22/07, 20:28, SUB
o-Xylene	U	ug/L	0.5		5/22/07, 20:28, SUB
4-Isopropyltoluene	U	ug/L	0.5		5/22/07, 20:28, SUB
sec-Butylbenzene	U	ug/L	0.5		5/22/07, 20:28, SUB
Styrene	U	ug/L	0.5		5/22/07, 20:28, SUB
tert-Butylbenzene	U	ug/L	0.5		5/22/07, 20:28, SUB
Tetrachloroethene	U	ug/L	0.5		5/22/07, 20:28, SUB
Toluene	U	ug/L	0.5		5/22/07, 20:28, SUB
trans-1,2-Dichloroethene	U	ug/L	0.5		5/22/07, 20:28, SUB
trans-1,3-Dichloropropene	U	ug/L	0.5		5/22/07, 20:28, SUB
Trichloroethene	U	ug/L	0.5		5/22/07, 20:28, SUB
Trichlorofluoromethane	U	ug/L	0.5		5/22/07, 20:28, SUB
Vinyl Chloride	U	ug/L	0.5		5/22/07, 20:28, SUB
1,4-Dichlorobenzene-d4 (Sur	92.8	% Rec			5/22/07, 20:28, SUB
4-Bromofluorobenzene (Surr)	94.2	% Rec			5/22/07, 20:28, SUB

Report Comment:524.2 subcontracted to Microbac-New York, in Cortland, NY - NY#10795.
Report Comment:Gross Alpha, Radium 226, & Radium 228 subcontracted to Waste Stream Technologies,
Report Comment:Inc., in Buffalo, NY - NY#11179, PA#68757.

Approved By: _____
Hal Warso, Managing Director

Key: E = estimated value; ND or U = analyte not detected; B = analyte was detected in the method or trip blank; < = less than the indicated value; ug/L = micrograms per liter (equivalent to parts per billion); mg/L = milligrams per liter (equivalent to parts per million); mg/Kg = milligrams per kilogram (equivalent to parts per million)

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FAX (607) 565 - 4083

NY 10252 NJ 73168
PA 68180 EPA NY00033

Certificate of Analysis

Johnson City Water Department
44 Camden Streeet
Johnson City, NY 13790
Attn:

Order Number: 0705-00603
Date Reported: 6/12/2007
Invoice Number 45240
Customer Number: T009
Customer PO:

Subject: Johnson City Water Dept. - 524,Gross Alpha,Rad 226&228

Analysis Performed	Result	Units	Detection Limit	Method	Analysis Information
Sample Details					
Sample #: 004					
Description: Well #6 Grab					
Sampled: 5/11/2007 13:50 Client					
Received: 5/11/2007, 15:15					
Analysis Details					
524.2 NY				EPA 524.2	5/22/07, 19:54, SUB
1,1,1,2-Tetrachloroethane	U	ug/L	0.5		5/22/07, 19:54, SUB
1,1,1-Trichloroethane	U	ug/L	0.5		5/22/07, 19:54, SUB
1,1,2,2-Tetrachloroethane	U	ug/L	0.5		5/22/07, 19:54, SUB
1,1,2-Trichloroethane	U	ug/L	0.5		5/22/07, 19:54, SUB
1,1-Dichloroethane	U	ug/L	0.5		5/22/07, 19:54, SUB
1,1-Dichloroethene	U	ug/L	0.5		5/22/07, 19:54, SUB
1,1-Dichloropropene	U	ug/L	0.5		5/22/07, 19:54, SUB
1,2,3-Trichlorobenzene	U	ug/L	0.5		5/22/07, 19:54, SUB
1,2,3-Trichloropropane	U	ug/L	0.5		5/22/07, 19:54, SUB
1,2,4-Trichlorobenzene	U	ug/L	0.5		5/22/07, 19:54, SUB
1,2,4-Trimethylbenzene	U	ug/L	0.5		5/22/07, 19:54, SUB
1,2-Dichlorobenzene	U	ug/L	0.5		5/22/07, 19:54, SUB
1,2-Dichloroethane	U	ug/L	0.5		5/22/07, 19:54, SUB
1,2-Dichloropropane	U	ug/L	0.5		5/22/07, 19:54, SUB
1,3,5-Trimethylbenzene	U	ug/L	0.5		5/22/07, 19:54, SUB
1,3-Dichlorobenzene	U	ug/L	0.5		5/22/07, 19:54, SUB
1,3-Dichloropropane	U	ug/L	0.5		5/22/07, 19:54, SUB
1,4-Dichlorobenzene	U	ug/L	0.5		5/22/07, 19:54, SUB
2,2-Dichloropropane	U	ug/L	0.5		5/22/07, 19:54, SUB
2-Chlorotoluene	U	ug/L	0.5		5/22/07, 19:54, SUB
4-Chlorotoluene	U	ug/L	0.5		5/22/07, 19:54, SUB
Benzene	U	ug/L	0.5		5/22/07, 19:54, SUB
Bromobenzene	U	ug/L	0.5		5/22/07, 19:54, SUB
Bromochloromethane	U	ug/L	0.5		5/22/07, 19:54, SUB
Bromodichloromethane	U	ug/L	0.5		5/22/07, 19:54, SUB
Bromoform	U	ug/L	0.5		5/22/07, 19:54, SUB
Bromomethane	U	ug/L	0.5		5/22/07, 19:54, SUB
Carbon Tetrachloride	U	ug/L	0.5		5/22/07, 19:54, SUB
Chlorobenzene	U	ug/L	0.5		5/22/07, 19:54, SUB
Chloroethane	U	ug/L	0.5		5/22/07, 19:54, SUB
Chloroform	U	ug/L	0.5		5/22/07, 19:54, SUB
Chloromethane	U	ug/L	0.5		5/22/07, 19:54, SUB
cis-1,2-Dichloroethene	U	ug/L	0.5		5/22/07, 19:54, SUB

POSTED SDWIS

Key: E = estimated value
ND or U = analyte not detected
B = analyte was detected in the method or trip blank
< = less than the indicated value
ug/L = micrograms per liter (equivalent to parts per billion
mg/L = milligrams per liter (equivalent to parts per million)
mg/Kg = milligrams per kilogram (equivalent to parts per million

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TELEPHONE (607) 565-3500 FAX (607) 565 - 4083

NY 10252 NJ 73168
PA 68180 EPA NY00033

Certificate of Analysis

Johnson City Water Department
44 Camden Streeet
Johnson City, NY 13790
Attn:

Order Number: 0705-00603
Date Reported: 6/12/2007
Invoice Number 45240
Customer Number: T009
Customer PO:

Subject: Johnson City Water Dept. - 524,Gross Alpha,Rad 226&228

Analysis Performed	Result	Units	Detection Limit	Method	Analysis Information
Analysis Details					
.....continued					
cis-1,3-Dichloropropene	U	ug/L	0.5		5/22/07, 19:54, SUB
Chlorodibromomethane	U	ug/L	0.5		5/22/07, 19:54, SUB
Dibromomethane	U	ug/L	0.5		5/22/07, 19:54, SUB
Dichlorodifluoromethane	U	ug/L	0.5		5/22/07, 19:54, SUB
Ethylbenzene	U	ug/L	0.5		5/22/07, 19:54, SUB
Hexachlorobutadiene	U	ug/L	0.5		5/22/07, 19:54, SUB
Isopropylbenzene	U	ug/L	0.5		5/22/07, 19:54, SUB
m- & p-Xylenes	U	ug/L	1.0		5/22/07, 19:54, SUB
Methyl tert-butyl ether	U	ug/L	0.5		5/22/07, 19:54, SUB
Methylene Chloride	U	ug/L	0.5		5/22/07, 19:54, SUB
n-Butylbenzene	U	ug/L	0.5		5/22/07, 19:54, SUB
n-Propylbenzene	U	ug/L	0.5		5/22/07, 19:54, SUB
Naphthalene	U	ug/L	0.5		5/22/07, 19:54, SUB
o-Xylene	U	ug/L	0.5		5/22/07, 19:54, SUB
4-Isopropyltoluene	U	ug/L	0.5		5/22/07, 19:54, SUB
sec-Butylbenzene	U	ug/L	0.5		5/22/07, 19:54, SUB
Styrene	U	ug/L	0.5		5/22/07, 19:54, SUB
tert-Butylbenzene	U	ug/L	0.5		5/22/07, 19:54, SUB
Tetrachloroethene	0.89	ug/L	0.5		5/22/07, 19:54, SUB
Toluene	U	ug/L	0.5		5/22/07, 19:54, SUB
trans-1,2-Dichloroethene	U	ug/L	0.5		5/22/07, 19:54, SUB
trans-1,3-Dichloropropene	U	ug/L	0.5		5/22/07, 19:54, SUB
Trichloroethene	U	ug/L	0.5		5/22/07, 19:54, SUB
Trichlorofluoromethane	U	ug/L	0.5		5/22/07, 19:54, SUB
Vinyl Chloride	U	ug/L	0.5		5/22/07, 19:54, SUB
1,4-Dichlorobenzene-d4 (Sur	91.8	% Rec			5/22/07, 19:54, SUB
4-Bromofluorobenzene (Surr)	95.2	% Rec			5/22/07, 19:54, SUB
Gross Alpha	0.8 +/- 3.0	pCi/L		EPA 900.0	6/11/07, 0:00, SUB
Radium 226	0.28 +/- 0.13	pCi/L		7500 RaB Modified	5/21/07, 0:00, SUB
Radium 228	-0.4 +/- 0.94	pCi/L		EPA 904.0	6/1/07, 0:00, SUB

Report Comment:524.2 subcontracted to Microbac-New York, in Cortland, NY - NY#10795.
Report Comment:Gross Alpha, Radium 226, & Radium 228 subcontracted to Waste Stream Technologies,
Report Comment:Inc., in Buffalo, NY - NY#11179, PA#68757.

Key: E = estimated value
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mg/L = milligrams per liter (equivalent to parts per million)
mg/Kg = milligrams per kilogram (equivalent to parts per million

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Certificate of Analysis

Johnson City Water Department
44 Camden Streeet
Johnson City, NY 13790
Attn:

Order Number: 0705-00603
Date Reported: 6/12/2007
Invoice Number 45240
Customer Number: T009
Customer PO:

Subject: Johnson City Water Dept. - 524,Gross Alpha,Rad 226&228

Analysis Performed	Result	Units	Detection Limit	Method	Analysis Information

Approved By: _____
Hal Warso, Managing Director

Key: E = estimated value
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Certificate of Analysis

Johnson City Water Department
44 Camden Streeet
Johnson City, NY 13790
Attn:

Order Number: 0705-00603
Date Reported: 6/12/2007
Invoice Number 45240
Customer Number: T009
Customer PO:

Subject: Johnson City Water Dept. - 524,Gross Alpha,Rad 226&228

Sample Details

Sample #: 005
Description: Microbac New York Waverly, Trip Blank
Sampled: 5/11/2007 0:01 Client
Received: 5/11/2007, 15:15

Analysis Details

Analysis Performed	Result	Units	Detection Limit	Method	Analysis Information
524.2 NY				EPA 524.2	
1,1,1,2-Tetrachloroethane	U	ug/L	0.5		5/22/07, 17:02, SUB
1,1,1-Trichloroethane	U	ug/L	0.5		5/22/07, 17:02, SUB
1,1,2,2-Tetrachloroethane	U	ug/L	0.5		5/22/07, 17:02, SUB
1,1,2-Trichloroethane	U	ug/L	0.5		5/22/07, 17:02, SUB
1,1-Dichloroethane	U	ug/L	0.5		5/22/07, 17:02, SUB
1,1-Dichloroethene	U	ug/L	0.5		5/22/07, 17:02, SUB
1,1-Dichloropropene	U	ug/L	0.5		5/22/07, 17:02, SUB
1,2,3-Trichlorobenzene	U	ug/L	0.5		5/22/07, 17:02, SUB
1,2,3-Trichloropropane	U	ug/L	0.5		5/22/07, 17:02, SUB
1,2,4-Trichlorobenzene	U	ug/L	0.5		5/22/07, 17:02, SUB
1,2,4-Trimethylbenzene	U	ug/L	0.5		5/22/07, 17:02, SUB
1,2-Dichlorobenzene	U	ug/L	0.5		5/22/07, 17:02, SUB
1,2-Dichloroethane	U	ug/L	0.5		5/22/07, 17:02, SUB
1,2-Dichloropropane	U	ug/L	0.5		5/22/07, 17:02, SUB
1,3,5-Trimethylbenzene	U	ug/L	0.5		5/22/07, 17:02, SUB
1,3-Dichlorobenzene	U	ug/L	0.5		5/22/07, 17:02, SUB
1,3-Dichloropropane	U	ug/L	0.5		5/22/07, 17:02, SUB
1,4-Dichlorobenzene	U	ug/L	0.5		5/22/07, 17:02, SUB
2,2-Dichloropropane	U	ug/L	0.5		5/22/07, 17:02, SUB
2-Chlorotoluene	U	ug/L	0.5		5/22/07, 17:02, SUB
4-Chlorotoluene	U	ug/L	0.5		5/22/07, 17:02, SUB
Benzene	U	ug/L	0.5		5/22/07, 17:02, SUB
Bromobenzene	U	ug/L	0.5		5/22/07, 17:02, SUB
Bromochloromethane	U	ug/L	0.5		5/22/07, 17:02, SUB
Bromodichloromethane	U	ug/L	0.5		5/22/07, 17:02, SUB
Bromoform	U	ug/L	0.5		5/22/07, 17:02, SUB
Bromomethane	U	ug/L	0.5		5/22/07, 17:02, SUB
Carbon Tetrachloride	U	ug/L	0.5		5/22/07, 17:02, SUB
Chlorobenzene	U	ug/L	0.5		5/22/07, 17:02, SUB
Chloroethane	U	ug/L	0.5		5/22/07, 17:02, SUB
Chloroform	U	ug/L	0.5		5/22/07, 17:02, SUB
Chloromethane	U	ug/L	0.5		5/22/07, 17:02, SUB
cis-1,2-Dichloroethene	U	ug/L	0.5		5/22/07, 17:02, SUB

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Certificate of Analysis

Johnson City Water Department
44 Camden Streeet
Johnson City, NY 13790
Attn:

Order Number: 0705-00603
Date Reported: 6/12/2007
Invoice Number 45240
Customer Number: T009
Customer PO:

Subject: Johnson City Water Dept. - 524,Gross Alpha,Rad 226&228

Analysis Performed	Result	Units	Detection Limit	Method	Analysis Information
Analysis Details					
.....continued					
cis-1,3-Dichloropropene	U	ug/L	0.5		5/22/07, 17:02, SUB
Chlorodibromomethane	U	ug/L	0.5		5/22/07, 17:02, SUB
Dibromomethane	U	ug/L	0.5		5/22/07, 17:02, SUB
Dichlorodifluoromethane	U	ug/L	0.5		5/22/07, 17:02, SUB
Ethylbenzene	U	ug/L	0.5		5/22/07, 17:02, SUB
Hexachlorobutadiene	U	ug/L	0.5		5/22/07, 17:02, SUB
Isopropylbenzene	U	ug/L	0.5		5/22/07, 17:02, SUB
m- & p-Xylenes	U	ug/L	1.0		5/22/07, 17:02, SUB
Methyl tert-butyl ether	U	ug/L	0.5		5/22/07, 17:02, SUB
Methylene Chloride	U	ug/L	0.5		5/22/07, 17:02, SUB
n-Butylbenzene	U	ug/L	0.5		5/22/07, 17:02, SUB
n-Propylbenzene	U	ug/L	0.5		5/22/07, 17:02, SUB
Naphthalene	U	ug/L	0.5		5/22/07, 17:02, SUB
o-Xylene	U	ug/L	0.5		5/22/07, 17:02, SUB
4-Isopropyltoluene	U	ug/L	0.5		5/22/07, 17:02, SUB
sec-Butylbenzene	U	ug/L	0.5		5/22/07, 17:02, SUB
Styrene	U	ug/L	0.5		5/22/07, 17:02, SUB
tert-Butylbenzene	U	ug/L	0.5		5/22/07, 17:02, SUB
Tetrachloroethene	U	ug/L	0.5		5/22/07, 17:02, SUB
Toluene	U	ug/L	0.5		5/22/07, 17:02, SUB
trans-1,2-Dichloroethene	U	ug/L	0.5		5/22/07, 17:02, SUB
trans-1,3-Dichloropropene	U	ug/L	0.5		5/22/07, 17:02, SUB
Trichloroethene	U	ug/L	0.5		5/22/07, 17:02, SUB
Trichlorofluoromethane	U	ug/L	0.5		5/22/07, 17:02, SUB
Vinyl Chloride	U	ug/L	0.5		5/22/07, 17:02, SUB
1,4-Dichlorobenzene-d4 (Sur	90.8	% Rec			5/22/07, 17:02, SUB
4-Bromofluorobenzene (Surr)	94.2	% Rec			5/22/07, 17:02, SUB

Report Comment:524.2 subcontracted to Microbac-New York, in Cortland, NY - NY#10795.
Report Comment:Gross Alpha, Radium 226, & Radium 228 subcontracted to Waste Stream Technologies,
Report Comment:Inc., in Buffalo, NY - NY#11179, PA#68757.

Approved By: _____
Hal Warso, Managing Director

Key: E = estimated value; ND or U = analyte not detected; B = analyte was detected in the method or trip blank; < = less than the indicated value; ug/L = micrograms per liter (equivalent to parts per billion); mg/L = milligrams per liter (equivalent to parts per million); mg/Kg = milligrams per kilogram (equivalent to parts per million)

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ENVIRONMENTAL
2566 Pennsylvania Ave.
Sayre, PA 18840
Phone (570) 888-0169
FAX (570) 888-0717

Certificate of Analysis

Johnson City Water Department	Project: Drinking Water	
44 Camden Street	Project No: [none]	**Reported:**
Johnson City NY, 13790	Project Manager: James Hamm	11/20/06 10:58

Well #2-Raw
6K07027-01 (Drinking Water)

Date Sampled: 11/07/06 11:00
Date Received: 11/07/06 14:22

Analyte	Result	MCL	Units	Prepared	Analyzed	Method	Analyst	Notes
EPA 502.2 Volatile Organic Compounds (NY List)								TB
Benzene	<0.5	5	ug/l	11/09/06 00:00	11/09/06 00:00	EPA 502.2	KS	
Bromobenzene	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
Bromochloromethane	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
Bromomethane	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
n-Butylbenzene	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	AA
sec-Butylbenzene	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
tert-Butylbenzene	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
Carbon tetrachloride	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
Chlorobenzene	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
Chloroethane	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
Chloromethane	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
2-Chlorotoluene	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
4-Chlorotoluene	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
Dibromomethane	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
1,2-Dichlorobenzene	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
1,3-Dichlorobenzene	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
1,4-Dichlorobenzene	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
Dichlorodifluoromethane	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
1,1-Dichloroethane	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
1,2-Dichloroethane	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
1,1-Dichloroethene	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
cis-1,2-Dichloroethene	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
trans-1,2-Dichloroethene	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
1,2-Dichloropropane	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
1,3-Dichloropropane	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
2,2-Dichloropropane	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
1,1-Dichloropropene	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
cis-1,3-Dichloropropene	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
trans-1,3-Dichloropropene	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
Ethylbenzene	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
Hexachlorobutadiene	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	

Eastern Laboratory Services, Ltd.

Irene Chu

Reviewed by Irene Chu, Laboratory Director

The results in this report apply to the samples, as received by the laboratory, analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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FAX (570) 888-0717

Certificate of Analysis

Johnson City Water Department	Project: Drinking Water	
44 Camden Street	Project No: [none]	**Reported:**
Johnson City NY, 13790	Project Manager: James Hamm	11/20/06 10:58

Well #2-Raw
6K07027-01 (Drinking Water)

Date Sampled: 11/07/06 11:00
Date Received: 11/07/06 14:22

Analyte	Result	MCL	Units	Prepared	Analyzed	Method	Analyst	Notes
EPA 502.2 Volatile Organic Compounds (NY List)								TB
Isopropylbenzene	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
p-Isopropyltoluene	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
Methylene chloride	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	AA
n-Propylbenzene	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
Styrene	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
1,1,1,2-Tetrachloroethane	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
1,1,2,2-Tetrachloroethane	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	AA
Tetrachloroethene	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
Toluene	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
1,2,3-Trichlorobenzene	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
1,2,4-Trichlorobenzene	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
1,1,1-Trichloroethane	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
1,1,2-Trichloroethane	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
Trichloroethene	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
Trichlorofluoromethane	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
1,2,3-Trichloropropane	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
1,2,4-Trimethylbenzene	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
1,3,5-Trimethylbenzene	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
Vinyl chloride	<0.5	2	ug/l	11/09/06 00:00	"	"	KS	
m,p-Xylene	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
o-Xylene	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
Methyl tert-butyl ether	<0.5	10	ug/l	11/09/06 00:00	"	"	KS	
Surrogate: Chlorofluorobenzene (PID)		*100 %*	*80-120*		"	"	KS	
Surrogate: Chlorofluorobenzene (ELCD)		*100 %*	*80-120*		"	"	KS	
EPA 504.1 Microextractables								TB
1,2-Dibromoethane (EDB)	<0.01	0.05	ug/l	11/10/06 17:30	11/11/06 04:43	EPA 504.1	PDB	
1,2-Dibromo-3-chloropropane	<0.01	0.2	ug/l	11/10/06 17:30	"	"	PDB	
Surrogate: Tetrachloro-meta-xylene		*104 %*	*70-130*		"	"	PDB	
EPA 508 Pesticides and PCB Screen								
Chlordane (tech)	<0.10	2	ug/l	11/09/06 00:00	11/10/06 17:06	EPA 508	PDB	

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Irene Chu

Reviewed by Irene Chu, Laboratory Director

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ENVIRONMENTAL
2566 Pennsylvania Ave.
Sayre, PA 18840
Phone (570) 888-0169
FAX (570) 888-0717

Certificate of Analysis

Johnson City Water Department 44 Camden Street Johnson City NY, 13790	Project: Drinking Water Project No: [none] Project Manager: James Hamm	**Reported:** 11/20/06 10:58

Well #2-Raw
6K07027-01 (Drinking Water)

Date Sampled: 11/07/06 11:00
Date Received: 11/07/06 14:22

Analyte	Result	MCL	Units	Prepared	Analyzed	Method	Analyst	Notes
EPA 508 Pesticides and PCB Screen								
Toxaphene	<0.25	3	ug/l	11/09/06 00:00	"	EPA 508	PDB	
PCBs as Aroclors (screen)	Absence	0.1	ug/l	11/09/06 00:00	"	"	PDB	
Surrogate: beta-BHC		*92.3 %*	*70-130*		"	"	PDB	
EPA 515.3 Herbicides (NY)								BNCH*
2,4-D	<0.5	70	ug/l	11/10/06 08:45	11/10/06 08:45	EPA 515.3		
Dalapon	<3.0	200	ug/l	11/10/06 08:45	"	"		
Dicamba	<0.3	50	ug/l	11/10/06 08:45	"	"		
Dinoseb	<0.5	7	ug/l	11/10/06 08:45	"	"		
Pentachlorophenol	<0.3	1	ug/l	11/10/06 08:45	"	"		
Picloram	<0.3	500	ug/l	11/10/06 08:45	"	"		
2,4,5-TP (Silvex)	<0.3	50	ug/l	11/10/06 08:45	"	"		
EPA 525.2 Semivolatile Organic Compounds								
Alachlor	<0.10	2	ug/l	11/17/06 00:00	11/17/06 00:00	EPA 525.2	RJH	
Aldrin	<0.10	5	ug/l	11/17/06 00:00	"	"	RJH	
Atrazine	<0.10	3	ug/l	11/17/06 00:00	"	"	RJH	
Benzo (a) pyrene	<0.10	0.2	ug/l	11/17/06 00:00	"	"	RJH	
Di(2-ethylhexyl)adipate	<2.00	400	ug/l	11/17/06 00:00	"	"	RJH	
Di(2-ethylhexyl)phthalate	<2.00	6	ug/l	11/17/06 00:00	"	"	RJH	
Butachlor	<2.00	50	ug/l	11/17/06 00:00	"	"	RJH	
Endrin	<0.10	2	ug/l	11/17/06 00:00	"	"	RJH	
Heptachlor	<0.10	0.4	ug/l	11/17/06 00:00	"	"	RJH	
Heptachlor epoxide	<0.10	0.2	ug/l	11/17/06 00:00	"	"	RJH	
Hexachlorobenzene	<0.10	1	ug/l	11/17/06 00:00	"	"	RJH	
Hexachlorocyclopentadiene	<0.10	50	ug/l	11/17/06 00:00	"	"	RJH	
HCH-gamma (Lindane)	<0.10	0.2	ug/l	11/17/06 00:00	"	"	RJH	
Methoxychlor	<0.10	40	ug/l	11/17/06 00:00	"	"	RJH	
Metolachlor	<2.00	50	ug/l	11/17/06 00:00	"	"	RJH	
Metribuzin	<1.00	50	ug/l	11/17/06 00:00	"	"	RJH	
Propachlor	<1.00	50	ug/l	11/17/06 00:00	"	"	RJH	
Simazine	<0.10	4	ug/l	11/17/06 00:00	"	"	RJH	

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Irene Chu

Reviewed by Irene Chu, Laboratory Director

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Certificate of Analysis

Johnson City Water Department 44 Camden Street Johnson City NY, 13790	Project: Drinking Water Project No: [none] Project Manager: James Hamm	**Reported:** 11/20/06 10:58

Well #2-Raw
6K07027-01 (Drinking Water)

Date Sampled: 11/07/06 11:00
Date Received: 11/07/06 14:22

Analyte	Result	MCL	Units	Prepared	Analyzed	Method	Analyst	Notes
EPA 525.2 Semivolatile Organic Compounds								
Dieldrin	<0.10	5	ug/l	11/17/06 00:00	"	EPA 525.2	RJH	
Surrogate: 1,3-Dimethyl-2-nitrobenzene		*98.0 %*	*70-130*		"	"	RJH	
Surrogate: Triphenyl phosphate		*106 %*	*70-130*		"	"	RJH	
Surrogate: Perylene-d12		*104 %*	*70-130*		"	"	RJH	
EPA 531.1 Carbamate Pesticides								
Aldicarb sulfoxide	<1.0	4	ug/l	11/07/06 00:00	11/07/06 00:00	EPA 531.1	IC	
Aldicarb sulfone	<1.0	2	ug/l	11/07/06 00:00	"	"	IC	
Oxamyl	<1.0	200	ug/l	11/07/06 00:00	"	"	IC	
Methomyl	<1.0	0	ug/l	11/07/06 00:00	"	"	IC	
3-Hydroxycarbofuran	<1.0	0	ug/l	11/07/06 00:00	"	"	IC	
Aldicarb	<1.0	3	ug/l	11/07/06 00:00	"	"	IC	
Carbofuran	<1.0	40	ug/l	11/07/06 00:00	"	"	IC	
Carbaryl	<1.0	0	ug/l	11/07/06 00:00	"	"	IC	

AA = LFB recovery low prior to sample analysis; acceptable after sample analysis.
BNCH* = Analysis performed by PA DEP#39-401, NY DOH#11827
TB = Trip Blank not analyzed - sample results did not exceed the MDL for this method.

Well #2-Treated
6K07027-02 (Drinking Water)

Date Sampled: 11/07/06 11:15
Date Received: 11/07/06 14:22

Analyte	Result	MCL	Units	Prepared	Analyzed	Method	Analyst	Notes
EPA 502.2 Volatile Organic Compouuds (NY List)								TB
Benzene	<0.5	5	ug/l	11/09/06 00:00	11/09/06 00:00	EPA 502.2	KS	
Bromobenzene	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
Bromochloromethane	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
Bromomethane	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
n-Butylbenzene	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	AA
sec-Butylbenzene	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
tert-Butylbenzene	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
Carbon tetrachloride	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
Chlorobenzene	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
Chloroethane	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	

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Certificate of Analysis

Johnson City Water Department	Project: Drinking Water	
44 Camden Street	Project No: [none]	**Reported:**
Johnson City NY, 13790	Project Manager: James Hamm	11/20/06 10:58

Well #2-Treated
6K07027-02 (Drinking Water)

Date Sampled: 11/07/06 11:15
Date Received: 11/07/06 14:22

Analyte	Result	MCL	Units	Prepared	Analyzed	Method	Analyst	Notes
EPA 502.2 Volatile Organic Compounds (NY List)								TB
Chloromethane	<0.5	5	ug/l	11/09/06 00:00	"	EPA 502.2	KS	
2-Chlorotoluene	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
4-Chlorotoluene	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
Dibromomethane	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
1,2-Dichlorobenzene	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
1,3-Dichlorobenzene	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
1,4-Dichlorobenzene	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
Dichlorodifluoromethane	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
1,1-Dichloroethane	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
1,2-Dichloroethane	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
1,1-Dichloroethene	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
cis-1,2-Dichloroethene	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
trans-1,2-Dichloroethene	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
1,2-Dichloropropane	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
1,3-Dichloropropane	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
2,2-Dichloropropane	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
1,1-Dichloropropene	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
cis-1,3-Dichloropropene	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
trans-1,3-Dichloropropene	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
Ethylbenzene	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
Hexachlorobutadiene	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
Isopropylbenzene	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
p-Isopropyltoluene	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
Methylene chloride	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	AA
n-Propylbenzene	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
Styrene	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
1,1,1,2-Tetrachloroethane	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
1,1,2,2-Tetrachloroethane	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	AA
Tetrachloroethene	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
Toluene	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
1,2,3-Trichlorobenzene	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	

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Irene Chu

Reviewed by Irene Chu, Laboratory Director

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Certificate of Analysis

Johnson City Water Department 44 Camden Street Johnson City NY, 13790	Project: Drinking Water Project No: [none] Project Manager: James Hamm	**Reported:** 11/20/06 10:58

Well #2-Treated
6K07027-02 (Drinking Water)

Date Sampled: 11/07/06 11:15
Date Received: 11/07/06 14:22

Analyte	Result	MCL	Units	Prepared	Analyzed	Method	Analyst	Notes
EPA 502.2 Volatile Organic Compounds (NY List)								TB
1,2,4-Trichlorobenzene	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
1,1,1-Trichloroethane	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
1,1,2-Trichloroethane	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
Trichloroethene	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
Trichlorofluoromethane	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
1,2,3-Trichloropropane	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
1,2,4-Trimethylbenzene	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
1,3,5-Trimethylbenzene	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
Vinyl chloride	<0.5	2	ug/l	11/09/06 00:00	"	"	KS	
m,p-Xylene	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
o-Xylene	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
Methyl tert-butyl ether	<0.5	10	ug/l	11/09/06 00:00	"	"	KS	
Surrogate: Chlorofluorobenzene (PID)		*97.0 %*	*80-120*		"	"	KS	
Surrogate: Chlorofluorobenzene (ELCD)		*96.0 %*	*80-120*		"	"	KS	
EPA 504.1 Microextractables								TB
1,2-Dibromoethane (EDB)	<0.01	0.05	ug/l	11/10/06 17:30	11/11/06 05:12	EPA 504.1	PDB	
1,2-Dibromo-3-chloropropane	<0.01	0.2	ug/l	11/10/06 17:30	"	"	PDB	
Surrogate: Tetrachloro-meta-xylene		*101 %*	*70-130*		"	"	PDB	
EPA 508 Pesticides and PCB Screen								
Chlordane (tech)	<0.10	2	ug/l	11/09/06 00:00	11/10/06 17:30	EPA 508	PDB	
Toxaphene	<0.25	3	ug/l	11/09/06 00:00	"	"	PDB	
PCBs as Aroclors (screen)	Absence	0.1	ug/l	11/09/06 00:00	"	"	PDB	
Surrogate: beta-BHC		*106 %*	*70-130*		"	"	PDB	
EPA 515.3 Herbicides (NY)								BNCH*
2,4-D	<0.5	70	ug/l	11/10/06 08:45	11/10/06 08:45	EPA 515.3		
Dalapon	<3.0	200	ug/l	11/10/06 08:45	"	"		
Dicamba	<0.3	50	ug/l	11/10/06 08:45	"	"		
Dinoseb	<0.5	7	ug/l	11/10/06 08:45	"	"		
Pentachlorophenol	<0.3	1	ug/l	11/10/06 08:45	"	"		

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Irene Chu

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Certificate of Analysis

Johnson City Water Department 44 Camden Street Johnson City NY, 13790	Project: Drinking Water Project No: [none] Project Manager: James Hamm	**Reported:** 11/20/06 10:58

Well #2-Treated
6K07027-02 (Drinking Water)

Date Sampled: 11/07/06 11:15
Date Received: 11/07/06 14:22

Analyte	Result	MCL	Units	Prepared	Analyzed	Method	Analyst	Notes
EPA 515.3 Herbicides (NY)								BNCH*
Picloram	<0.3	500	ug/l	11/10/06 08:45	"	EPA 515.3		
2,4,5-TP (Silvex)	<0.3	50	ug/l	11/10/06 08:45	"	"		
EPA 525.2 Semivolatile Organic Compounds								
Alachlor	<0.10	2	ug/l	11/17/06 00:00	11/17/06 00:00	EPA 525.2	RJH	
Aldrin	<0.10	5	ug/l	11/17/06 00:00	"	"	RJH	
Atrazine	<0.10	3	ug/l	11/17/06 00:00	"	"	RJH	
Benzo (a) pyrene	<0.10	0.2	ug/l	11/17/06 00:00	"	"	RJH	
Di(2-ethylhexyl)adipate	<2.00	400	ug/l	11/17/06 00:00	"	"	RJH	
Di(2-ethylhexyl)phthalate	<2.00	6	ug/l	11/17/06 00:00	"	"	RJH	
Butachlor	<2.00	50	ug/l	11/17/06 00:00	"	"	RJH	
Endrin	<0.10	2	ug/l	11/17/06 00:00	"	"	RJH	
Heptachlor	<0.10	0.4	ug/l	11/17/06 00:00	"	"	RJH	
Heptachlor epoxide	<0.10	0.2	ug/l	11/17/06 00:00	"	"	RJH	
Hexachlorobenzene	<0.10	1	ug/l	11/17/06 00:00	"	"	RJH	
Hexachlorocyclopentadiene	<0.10	50	ug/l	11/17/06 00:00	"	"	RJH	
HCH-gamma (Lindane)	<0.10	0.2	ug/l	11/17/06 00:00	"	"	RJH	
Methoxychlor	<0.10	40	ug/l	11/17/06 00:00	"	"	RJH	
Metolachlor	<2.00	50	ug/l	11/17/06 00:00	"	"	RJH	
Metribuzin	<1.00	50	ug/l	11/17/06 00:00	"	"	RJH	
Propachlor	<1.00	50	ug/l	11/17/06 00:00	"	"	RJH	
Simazine	<0.10	4	ug/l	11/17/06 00:00	"	"	RJH	
Dieldrin	<0.10	5	ug/l	11/17/06 00:00	"	"	RJH	
Surrogate: 1,3-Dimethyl-2-nitrobenzene		*98.8 %*		*70-130*	"	"	RJH	
Surrogate: Triphenyl phosphate		*100 %*		*70-130*	"	"	RJH	
Surrogate: Perylene-d12		*107 %*		*70-130*	"	"	RJH	
EPA 531.1 Carbamate Pesticides								
Aldicarb sulfoxide	<1.0	4	ug/l	11/07/06 00:00	11/07/06 00:00	EPA 531.1	IC	
Aldicarb sulfone	<1.0	2	ug/l	11/07/06 00:00	"	"	IC	
Oxamyl	<1.0	200	ug/l	11/07/06 00:00	"	"	IC	
Methomyl	<1.0	0	ug/l	11/07/06 00:00	"	"	IC	

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Irene Chu

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Certificate of Analysis

Johnson City Water Department 44 Camden Street Johnson City NY, 13790	Project: Drinking Water Project No: [none] Project Manager: James Hamm	**Reported:** 11/20/06 10:58

Well #2-Treated
6K07027-02 (Drinking Water)

Date Sampled: 11/07/06 11:15
Date Received: 11/07/06 14:22

Analyte	Result	MCL	Units	Prepared	Analyzed	Method	Analyst	Notes
EPA 531.1 Carbamate Pesticides								
3-Hydroxycarbofuran	<1.0	0	ug/l	11/07/06 00:00	"	EPA 531.1	IC	
Aldicarb	<1.0	3	ug/l	11/07/06 00:00	"	"	IC	
Carbofuran	<1.0	40	ug/l	11/07/06 00:00	"	"	IC	
Carbaryl	<1.0	0	ug/l	11/07/06 00:00	"	"	IC	

AA = LFB recovery low prior to sample analysis; acceptable after sample analysis.
BNCH* = Analysis performed by PA DEP#39-401, NY DOH#11827
TB = Trip Blank not analyzed - sample results did not exceed the MDL for this method.

Well #6
6K07027-03 (Drinking Water)

Date Sampled: 11/07/06 11:45
Date Received: 11/07/06 14:22

Analyte	Result	MCL	Units	Prepared	Analyzed	Method	Analyst	Notes
EPA 502.2 Volatile Organic Compounds (NY List)								TB
Benzene	<0.5	5	ug/l	11/09/06 00:00	11/09/06 00:00	EPA 502.2	KS	
Bromobenzene	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
Bromochloromethane	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
Bromomethane	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
n-Butylbenzene	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
sec-Butylbenzene	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
tert-Butylbenzene	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
Carbon tetrachloride	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
Chlorobenzene	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
Chloroethane	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
Chloromethane	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
2-Chlorotoluene	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
4-Chlorotoluene	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
Dibromomethane	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
1,2-Dichlorobenzene	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
1,3-Dichlorobenzene	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
1,4-Dichlorobenzene	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
Dichlorodifluoromethane	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
1,1-Dichloroethane	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	

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Irene Chu

Reviewed by Irene Chu, Laboratory Director

The results in this report apply to the samples, as received by the laboratory, analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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Eastern Laboratory Services Ltd
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ENVIRONMENTAL
2566 Pennsylvania Ave.
Sayre, PA 18840
Phone (570) 888-0169
FAX (570) 888-0717

Certificate of Analysis

Johnson City Water Department 44 Camden Street Johnson City NY, 13790	Project: Drinking Water Project No: [none] Project Manager: James Hamm	**Reported:** 11/20/06 10:58

Well #6
6K07027-03 (Drinking Water)

Date Sampled: 11/07/06 11:45
Date Received: 11/07/06 14:22

Analyte	Result	MCL	Units	Prepared	Analyzed	Method	Analyst	Notes
EPA 502.2 Volatile Organic Compounds (NY List)								TB
1,2-Dichloroethane	<0.5	5	ug/l	11/09/06 00:00	"	EPA 502.2	KS	
1,1-Dichloroethene	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
cis-1,2-Dichloroethene	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
trans-1,2-Dichloroethene	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
1,2-Dichloropropane	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
1,3-Dichloropropane	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
2,2-Dichloropropane	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
1,1-Dichloropropene	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
cis-1,3-Dichloropropene	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
trans-1,3-Dichloropropene	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
Ethylbenzene	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
Hexachlorobutadiene	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
Isopropylbenzene	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
p-Isopropyltoluene	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
Methylene chloride	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
n-Propylbenzene	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
Styrene	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
1,1,1,2-Tetrachloroethane	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
1,1,2,2-Tetrachloroethane	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
Tetrachloroethene	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
Toluene	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
1,2,3-Trichlorobenzene	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
1,2,4-Trichlorobenzene	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
1,1,1-Trichloroethane	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
1,1,2-Trichloroethane	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
Trichloroethene	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
Trichlorofluoromethane	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
1,2,3-Trichloropropane	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
1,2,4-Trimethylbenzene	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
1,3,5-Trimethylbenzene	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
Vinyl chloride	<0.5	2	ug/l	11/09/06 00:00	"	"	KS	

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The results in this report apply to the samples, as received by the laboratory, analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Irene Chu

Reviewed by Irene Chu, Laboratory Director

Broome County DOH PA 08380 NY 11216

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ENVIRONMENTAL
2566 Pennsylvania Ave.
Sayre, PA 18840
Phone (570) 888-0169
FAX (570) 888-0717

Certificate of Analysis

Johnson City Water Department 44 Camden Street Johnson City NY, 13790	Project: Drinking Water Project No: [none] Project Manager: James Hamm	**Reported:** 11/20/06 10:58

Well #6
6K07027-03 (Drinking Water)

Date Sampled: 11/07/06 11:45
Date Received: 11/07/06 14:22

Analyte	Result	MCL	Units	Prepared	Analyzed	Method	Analyst	Notes
EPA 502.2 Volatile Organic Compounds (NY List)								TB
m,p-Xylene	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
o-Xylene	<0.5	5	ug/l	11/09/06 00:00	"	"	KS	
Methyl tert-butyl ether	<0.5	10	ug/l	11/09/06 00:00	"	"	KS	
Surrogate: Chlorofluorobenzene (PID)	*98.0 %*	*80-120*			"	"	KS	
Surrogate: Chlorofluorobenzene (ELCD)	*95.0 %*	*80-120*			"	"	KS	

TB = Trip Blank not analyzed - sample results did not exceed the MDL for this method.

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BROOME COUNTY
HEALTH DEPARTMENT

FAX (570) 888-0717

SDWIS

Certificate of Analysis

Johnson City Water Department 44 Camden Street Johnson City NY, 13790	POSTED	Project: Drinking Water Project No: [none] Project Manager: James Hamm	**Reported:** 08/22/06 14:30

Well #2-Treated
6H03094-01 (Drinking Water)

Date Sampled: 08/03/06 09:00
Date Received: 08/03/06 10:40

Analyte	Result	MCL	Units	Prepared	Analyzed	Method	Analyst	Notes
EPA 502.2 Volatile Organic Compounds (NY List)								
Benzene	<0.5	5	ug/l	08/06/06 00:00	08/06/06 00:00	EPA 502.2	KS	
Bromobenzene	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
Bromochloromethane	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
Bromomethane	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
n-Butylbenzene	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
sec-Butylbenzene	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
tert-Butylbenzene	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
Carbon tetrachloride	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
Chlorobenzene	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
Chloroethane	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
Chloromethane	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
2-Chlorotoluene	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
4-Chlorotoluene	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
Dibromomethane	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
1,2-Dichlorobenzene	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
1,3-Dichlorobenzene	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
1,4-Dichlorobenzene	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
Dichlorodifluoromethane	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	LLFB
1,1-Dichloroethane	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
1,2-Dichloroethane	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
1,1-Dichloroethene	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
cis-1,2-Dichloroethene	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
trans-1,2-Dichloroethene	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
1,2-Dichloropropane	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
1,3-Dichloropropane	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
2,2-Dichloropropane	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	AA
1,1-Dichloropropene	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
cis-1,3-Dichloropropene	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
trans-1,3-Dichloropropene	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	

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Certificate of Analysis

Johnson City Water Department		Project: Drinking Water	
44 Camden Street		Project No: [none]	**Reported:**
Johnson City NY, 13790		Project Manager: James Hamm	08/22/06 14:30

Well #2-Treated
6H03094-01 (Drinking Water)

Date Sampled: 08/03/06 09:00
Date Received: 08/03/06 10:40

Analyte	Result	MCL	Units	Prepared	Analyzed	Method	Analyst	Notes
EPA 502.2 Volatile Organic Compounds (NY List)								
Ethylbenzene	<0.5	5	ug/l	08/06/06 00:00	"	EPA 502.2	KS	
Hexachlorobutadiene	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
Isopropylbenzene	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
p-Isopropyltoluene	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
Methylene chloride	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
n-Propylbenzene	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
Styrene	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
1,1,1,2-Tetrachloroethane	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
1,1,2,2-Tetrachloroethane	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
Tetrachloroethene	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
Toluene	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
1,2,3-Trichlorobenzene	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
1,2,4-Trichlorobenzene	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
1,1,1-Trichloroethane	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
1,1,2-Trichloroethane	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
Trichloroethene	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
Trichlorofluoromethane	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
1,2,3-Trichloropropane	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
1,2,4-Trimethylbenzene	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
1,3,5-Trimethylbenzene	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
Vinyl chloride	<0.5	2	ug/l	08/06/06 00:00	"	"	KS	
m,p-Xylene	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
o-Xylene	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
Methyl tert-butyl ether	<0.5	10	ug/l	08/06/06 00:00	"	"	KS	
Surrogate: Chlorofluorobenzene (PID)		*100 %*		*80-120*	"	"	KS	
Surrogate: Chlorofluorobenzene (ELCD)		*98.0 %*		*80-120*	"	"	KS	

AA = Analysis performed by EPA 524.2 8/8/06.
LLFB = LFB % Recovery below acceptance limits. The result may be biased low.

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Certificate of Analysis

Johnson City Water Department	Project: Drinking Water	
44 Camden Street	Project No: [none]	**Reported:**
Johnson City NY, 13790	Project Manager: James Hamm	08/22/06 14:30

Well #2-Raw
6H03094-02 (Drinking Water)

Date Sampled: 08/03/06 09:05
Date Received: 08/03/06 10:40

Analyte	Result	MCL	Units	Prepared	Analyzed	Method	Analyst	Notes
EPA 502.2 Volatile Organic Compounds (NY List)								
Benzene	<0.5	5	ug/l	08/06/06 00:00	08/06/06 00:00	EPA 502.2	KS	
Bromobenzene	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
Bromochloromethane	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
Bromomethane	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
n-Butylbenzene	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
sec-Butylbenzene	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
tert-Butylbenzene	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
Carbon tetrachloride	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
Chlorobenzene	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
Chloroethane	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
Chloromethane	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
2-Chlorotoluene	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
4-Chlorotoluene	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
Dibromomethane	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
1,2-Dichlorobenzene	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
1,3-Dichlorobenzene	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
1,4-Dichlorobenzene	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
Dichlorodifluoromethane	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	LLFB
1,1-Dichloroethane	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
1,2-Dichloroethane	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
1,1-Dichloroethene	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
cis-1,2-Dichloroethene	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
trans-1,2-Dichloroethene	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
1,2-Dichloropropane	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
1,3-Dichloropropane	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
2,2-Dichloropropane	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	AA
1,1-Dichloropropene	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
cis-1,3-Dichloropropene	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
trans-1,3-Dichloropropene	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	

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Certificate of Analysis

Johnson City Water Department	Project: Drinking Water	
44 Camden Street	Project No: [none]	**Reported:**
Johnson City NY, 13790	Project Manager: James Hamm	08/22/06 14:30

Well #2-Raw
6H03094-02 (Drinking Water)

Date Sampled: 08/03/06 09:05
Date Received: 08/03/06 10:40

Analyte	Result	MCL	Units	Prepared	Analyzed	Method	Analyst	Notes
EPA 502.2 Volatile Organic Compounds (NY List)								
Hexachlorobutadiene	<0.5	5	ug/l	08/06/06 00:00	"	EPA 502.2	KS	
Isopropylbenzene	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
p-Isopropyltoluene	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
Methylene chloride	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
n-Propylbenzene	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
Styrene	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
1,1,1,2-Tetrachloroethane	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
1,1,2,2-Tetrachloroethane	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
Tetrachloroethene	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
Toluene	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
1,2,3-Trichlorobenzene	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
1,2,4-Trichlorobenzene	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
1,1,1-Trichloroethane	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
1,1,2-Trichloroethane	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
Trichloroethene	0.9	5	ug/l	08/06/06 00:00	"	"	KS	HIST
Trichlorofluoromethane	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
1,2,3-Trichloropropane	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
1,2,4-Trimethylbenzene	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
1,3,5-Trimethylbenzene	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
Vinyl chloride	<0.5	2	ug/l	08/06/06 00:00	"	"	KS	
m,p-Xylene	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
o-Xylene	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
Methyl tert-butyl ether	0.7	10	ug/l	08/06/06 00:00	"	"	KS	
Surrogate: Chlorofluorobenzene (PID)	*93.0 %*		*80-120*		"	"	KS	
Surrogate: Chlorofluorobenzene (ELCD)	*89.0 %*		*80-120*		"	"	KS	

AA = Analysis performed by EPA 524.2 8/8/06.
HIST = Historically present.
LLFB = LFB % Recovery below acceptance limits. The result may be biased low.

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SDWIS

Certificate of Analysis

Johnson City Water Department 44 Camden Street Johnson City NY, 13790	POSTED	Project: Drinking Water Project No: [none] Project Manager: James Hamm	**Reported:** 08/22/06 14:30

Well #6
6H03094-03 (Drinking Water)

Date Sampled: 08/03/06 09:25
Date Received: 08/03/06 10:40

Analyte	Result	MCL	Units	Prepared	Analyzed	Method	Analyst	Notes
EPA 502.2 Volatile Organic Compounds (NY List)								
Benzene	<0.5	5	ug/l	08/06/06 00:00	08/06/06 00:00	EPA 502.2	KS	
Bromobenzene	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
Bromochloromethane	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
Bromomethane	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
n-Butylbenzene	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
sec-Butylbenzene	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
tert-Butylbenzene	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
Carbon tetrachloride	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
Chlorobenzene	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
Chloroethane	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
Chloromethane	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
2-Chlorotoluene	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
4-Chlorotoluene	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
Dibromomethane	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
1,2-Dichlorobenzene	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
1,3-Dichlorobenzene	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
1,4-Dichlorobenzene	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
Dichlorodifluoromethane	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	LLFB
1,1-Dichloroethane	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
1,2-Dichloroethane	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
1,1-Dichloroethene	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
cis-1,2-Dichloroethene	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
trans-1,2-Dichloroethene	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
1,2-Dichloropropane	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
1,3-Dichloropropane	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
2,2-Dichloropropane	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	AA
1,1-Dichloropropene	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
cis-1,3-Dichloropropene	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
trans-1,3-Dichloropropene	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	

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Certificate of Analysis

Johnson City Water Department
44 Camden Street
Johnson City NY, 13790

Project: Drinking Water
Project No: [none]
Project Manager: James Hamm

Reported:
08/22/06 14:30

Well #6
6H03094-03 (Drinking Water)

Date Sampled: 08/03/06 09:25
Date Received: 08/03/06 10:40

Analyte	Result	MCL	Units	Prepared	Analyzed	Method	Analyst	Notes
EPA 502.2 Volatile Organic Compounds (NY List)								
Hexachlorobutadiene	<0.5	5	ug/l	08/06/06 00:00	"	EPA 502.2	KS	
Isopropylbenzene	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
p-Isopropyltoluene	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
Methylene chloride	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
n-Propylbenzene	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
Styrene	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
1,1,1,2-Tetrachloroethane	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
1,1,2,2-Tetrachloroethane	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
Tetrachloroethene	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
Toluene	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
1,2,3-Trichlorobenzene	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
1,2,4-Trichlorobenzene	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
1,1,1-Trichloroethane	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
1,1,2-Trichloroethane	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
Trichloroethene	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
Trichlorofluoromethane	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
1,2,3-Trichloropropane	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
1,2,4-Trimethylbenzene	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
1,3,5-Trimethylbenzene	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
Vinyl chloride	<0.5	2	ug/l	08/06/06 00:00	"	"	KS	
m,p-Xylene	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
o-Xylene	<0.5	5	ug/l	08/06/06 00:00	"	"	KS	
Methyl tert-butyl ether	<0.5	10	ug/l	08/06/06 00:00	"	"	KS	
Surrogate: Chlorofluorobenzene (PID)		*97.0 %*		*80-120*	"	"	KS	
Surrogate: Chlorofluorobenzene (ELCD)		*93.0 %*		*80-120*	"	"	KS	
EPA 504.1 Microextractables								TB
1,2-Dibromoethane (EDB)	<0.01	0.05	ug/l	08/04/06 00:00	08/05/06 01:31	EPA 504.1	PDB	
1,2-Dibromo-3-chloropropane	<0.01	0.2	ug/l	08/04/06 00:00	"	"	PDB	

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44 Camden Street
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POSTED

Project: Drinking Water
Project No: [none]
Project Manager: James Hamm

Reported:
08/22/06 14:30

Well #6
6H03094-03 (Drinking Water)

Date Sampled: 08/03/06 09:25
Date Received: 08/03/06 10:40

Analyte	Result	MCL	Units	Prepared	Analyzed	Method	Analyst	Notes
EPA 508 Pesticides and PCB Screen								
Chlordane (tech)	<0.10	2	ug/l	08/09/06 00:00	08/16/06 22:41	EPA 508	PDB	
Toxaphene	<0.25	3	ug/l	08/09/06 00:00	"	"	PDB	
PCBs as Aroclors (screen)	Presence	0.1	ug/l	08/09/06 00:00	"	"	PDB	AAa
Surrogate: beta-BHC		*95.1 %*	*70-130*		"	"	PDB	
EPA 515.3 Herbicides (NY)								BNCH*
2,4-D	<0.5	70	ug/l	08/11/06 08:00	08/12/06 00:00	EPA 515.3		
Dalapon	<3.0	200	ug/l	08/11/06 08:00	"	"		
Dicamba	<0.3	50	ug/l	08/11/06 08:00	"	"		
Dinoseb	<0.5	7	ug/l	08/11/06 08:00	"	"		
Pentachlorophenol	<0.3	1	ug/l	08/11/06 08:00	"	"		
Picloram	<0.3	500	ug/l	08/11/06 08:00	"	"		
2,4,5-TP (Silvex)	<0.3	50	ug/l	08/11/06 08:00	"	"		
EPA 525.2 Semivolatile Organic Compounds								
Alachlor	<0.10	2	ug/l	08/16/06 00:00	08/16/06 00:00	EPA 525.2	RJH	
Aldrin	<0.10	5	ug/l	08/16/06 00:00	"	"	RJH	
Atrazine	<0.10	3	ug/l	08/16/06 00:00	"	"	RJH	
Benzo (a) pyrene	<0.10	0.2	ug/l	08/16/06 00:00	"	"	RJH	
Di(2-ethylhexyl)adipate	<2.00	400	ug/l	08/16/06 00:00	"	"	RJH	
Di(2-ethylhexyl)phthalate	<2.00	6	ug/l	08/16/06 00:00	"	"	RJH	
Butachlor	<2.00	50	ug/l	08/16/06 00:00	"	"	RJH	
Endrin	<0.10	2	ug/l	08/16/06 00:00	"	"	RJH	
Heptachlor	<0.10	0.4	ug/l	08/16/06 00:00	"	"	RJH	
Heptachlor epoxide	<0.10	0.2	ug/l	08/16/06 00:00	"	"	RJH	
Hexachlorobenzene	<0.10	1	ug/l	08/16/06 00:00	"	"	RJH	
Hexachlorocyclopentadiene	<0.10	50	ug/l	08/16/06 00:00	"	"	RJH	LLFB
HCH-gamma (Lindane)	<0.10	0.2	ug/l	08/16/06 00:00	"	"	RJH	
Methoxychlor	<0.10	40	ug/l	08/16/06 00:00	"	"	RJH	
Metolachlor	<2.00	50	ug/l	08/16/06 00:00	"	"	RJH	

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Certificate of Analysis

Johnson City Water Department
44 Camden Street
Johnson City NY, 13790

POSTED

Project: Drinking Water
Project No: [none]
Project Manager: James Hamm

Reported:
08/22/06 14:30

Well #6
6H03094-03 (Drinking Water)

Date Sampled: 08/03/06 09:25
Date Received: 08/03/06 10:40

Analyte	Result	MCL	Units	Prepared	Analyzed	Method	Analyst	Notes
EPA 525.2 Semivolatile Organic Compounds								
Propachlor	<1.00	50	ug/l	08/16/06 00:00	"	EPA 525.2	RJH	
Simazine	<0.10	4	ug/l	08/16/06 00:00	"	"	RJH	
Dieldrin	<0.10	5	ug/l	08/16/06 00:00	"	"	RJH	
Surrogate: 1,3-Dimethyl-2-nitrobenzene		*93.8 %*	*70-130*		"	"	RJH	
Surrogate: Triphenyl phosphate		*107 %*	*70-130*		"	"	RJH	
Surrogate: Perylene-d12		*92.4 %*	*70-130*		"	"	RJH	
EPA 531.1 Carbamate Pesticides								
Aldicarb sulfoxide	<1.0	4	ug/l	08/11/06 00:00	08/11/06 00:00	EPA 531.1	IC	
Aldicarb sulfone	<1.0	2	ug/l	08/11/06 00:00	"	"	IC	
Oxamyl	<1.0	200	ug/l	08/11/06 00:00	"	"	IC	
Methomyl	<1.0	0	ug/l	08/11/06 00:00	"	"	IC	
3-Hydroxycarbofuran	<1.0	0	ug/l	08/11/06 00:00	"	"	IC	
Aldicarb	<1.0	3	ug/l	08/11/06 00:00	"	"	IC	
Carbofuran	<1.0	40	ug/l	08/11/06 00:00	"	"	IC	
Carbaryl	<1.0	0	ug/l	08/11/06 00:00	"	"	IC	

AA = Analysis performed by EPA 524.2 8/8/06.
AAa = Presence of Aroclor 1254 confirmed on an analytical column of dissimilar phase as per EPA Method 508 (File ECR77702).
BNCH* = Analysis performed by PA DEP#39-401, NY DOH#11827
LLFB = LFB % Recovery below acceptance limits. The result may be biased low.
TB = Trip Blank not analyzed - sample results did not exceed the MDL for this method.

SDWIS

Distribution-1000 Reynolds Road
6H03094-04 (Drinking Water)

POSTED

Date Sampled: 08/03/06 09:55
Date Received: 08/03/06 10:40

Analyte	Result	MCL	Units	Prepared	Analyzed	Method	Analyst	Notes
EPA 502.2 Trihalomethanes								
Chloroform	<0.5	80	ug/l	08/06/06 00:00	08/06/06 00:00	EPA 502.2	KS	
Bromodichloromethane	2.1	80	ug/l	08/06/06 00:00	"	"	KS	
Chlorodibromomethane	7.5	80	ug/l	08/06/06 00:00	"	"	KS	
Bromoform	14.7	80	ug/l	08/06/06 00:00	"	"	KS	
Total Trihalomethanes	24.3	80	ug/l	08/06/06 00:00	"	"	KS	

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Johnson City Water Department
44 Camden Street
Johnson City NY, 13790

Project: Drinking Water
Project No: [none]
Project Manager: James Hamm

Reported:
06/23/06 15:15

Well 2-Raw
6E17034-01 (Drinking Water)

Date Sampled: 05/17/06 10:10
Date Received: 05/17/06 11:50

Analyte	Result	MCL	Units	Prepared	Analyzed	Method	Analyst	Notes
EPA 502.2 Volatile Organic Compounds (NY List)								
Benzene	<0.5	5	ug/l	05/27/06 00:00	05/27/06 00:00	EPA 502.2	CY	
Bromobenzene	<0.5	5	ug/l	05/27/06 00:00	"	"	CY	
Bromochloromethane	<0.5	5	ug/l	05/27/06 00:00	"	"	CY	
Bromomethane	<0.5	5	ug/l	05/27/06 00:00	"	"	CY	
n-Butylbenzene	<0.5	5	ug/l	05/27/06 00:00	"	"	CY	
sec-Butylbenzene	<0.5	5	ug/l	05/27/06 00:00	"	"	CY	
tert-Butylbenzene	<0.5	5	ug/l	05/27/06 00:00	"	"	CY	
Carbon tetrachloride	<0.5	5	ug/l	05/27/06 00:00	"	"	CY	
Chlorobenzene	<0.5	5	ug/l	05/27/06 00:00	"	"	CY	
Chloroethane	<0.5	5	ug/l	05/27/06 00:00	"	"	CY	
Chloromethane	<0.5	5	ug/l	05/27/06 00:00	"	"	CY	
2-Chlorotoluene	<0.5	5	ug/l	05/27/06 00:00	"	"	CY	
4-Chlorotoluene	<0.5	5	ug/l	05/27/06 00:00	"	"	CY	
Dibromomethane	<0.5	5	ug/l	05/27/06 00:00	"	"	CY	
1,2-Dichlorobenzene	<0.5	5	ug/l	05/27/06 00:00	"	"	CY	
1,3-Dichlorobenzene	<0.5	5	ug/l	05/27/06 00:00	"	"	CY	
1,4-Dichlorobenzene	<0.5	5	ug/l	05/27/06 00:00	"	"	CY	
Dichlorodifluoromethane	<0.5	5	ug/l	05/27/06 00:00	"	"	CY	LLFB
1,1-Dichloroethane	<0.5	5	ug/l	05/27/06 00:00	"	"	CY	
1,2-Dichloroethane	<0.5	5	ug/l	05/27/06 00:00	"	"	CY	
1,1-Dichloroethene	<0.5	5	ug/l	05/27/06 00:00	"	"	CY	
cis-1,2-Dichloroethene	<0.5	5	ug/l	05/27/06 00:00	"	"	CY	
trans-1,2-Dichloroethene	<0.5	5	ug/l	05/27/06 00:00	"	"	CY	
1,2-Dichloropropane	<0.5	5	ug/l	05/27/06 00:00	"	"	CY	
1,3-Dichloropropane	<0.5	5	ug/l	05/27/06 00:00	"	"	CY	
2,2-Dichloropropane	<0.5	5	ug/l	05/27/06 00:00	"	"	CY	
1,1-Dichloropropene	<0.5	5	ug/l	05/27/06 00:00	"	"	CY	
cis-1,3-Dichloropropene	<0.5	5	ug/l	05/27/06 00:00	"	"	CY	
trans-1,3-Dichloropropene	<0.5	5	ug/l	05/27/06 00:00	"	"	CY	

Eastern Laboratory Services, Ltd.

Irene Chu

Reviewed by Irene Chu, Laboratory Director

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Certificate of Analysis

Johnson City Water Department 44 Camden Street Johnson City NY, 13790	POSTED	Project: Drinking Water Project No: [none] Project Manager: James Hamm	**Reported:** 06/23/06 15:15

Well 2-Raw
6E17034-01 (Drinking Water)

Date Sampled: 05/17/06 10:10
Date Received: 05/17/06 11:50

Analyte	Result	MCL	Units	Prepared	Analyzed	Method	Analyst	Notes
EPA 502.2 Volatile Organic Compounds (NY List)								
Ethylbenzene	<0.5	5	ug/l	05/27/06 00:00	"	EPA 502.2	CY	
Hexachlorobutadiene	<0.5	5	ug/l	05/27/06 00:00	"	"	CY	
Isopropylbenzene	<0.5	5	ug/l	05/27/06 00:00	"	"	CY	
p-Isopropyltoluene	<0.5	5	ug/l	05/27/06 00:00	"	"	CY	
Methylene chloride	<0.5	5	ug/l	05/27/06 00:00	"	"	CY	
n-Propylbenzene	<0.5	5	ug/l	05/27/06 00:00	"	"	CY	
Styrene	<0.5	5	ug/l	05/27/06 00:00	"	"	CY	
1,1,1,2-Tetrachloroethane	<0.5	5	ug/l	05/27/06 00:00	"	"	CY	
1,1,2,2-Tetrachloroethane	<0.5	5	ug/l	05/27/06 00:00	"	"	CY	
Tetrachloroethene	<0.5	5	ug/l	05/27/06 00:00	"	"	CY	
Toluene	<0.5	5	ug/l	05/27/06 00:00	"	"	CY	
1,2,3-Trichlorobenzene	<0.5	5	ug/l	05/27/06 00:00	"	"	CY	
1,2,4-Trichlorobenzene	<0.5	5	ug/l	05/27/06 00:00	"	"	CY	
1,1,1-Trichloroethane	<0.5	5	ug/l	05/27/06 00:00	"	"	CY	
1,1,2-Trichloroethane	<0.5	5	ug/l	05/27/06 00:00	"	"	CY	
Trichloroethene	0.8	5	ug/l	05/27/06 00:00	"	"	CY	HIST
Trichlorofluoromethane	<0.5	5	ug/l	05/27/06 00:00	"	"	CY	
1,2,3-Trichloropropane	<0.5	5	ug/l	05/27/06 00:00	"	"	CY	
1,2,4-Trimethylbenzene	<0.5	5	ug/l	05/27/06 00:00	"	"	CY	
1,3,5-Trimethylbenzene	<0.5	5	ug/l	05/27/06 00:00	"	"	CY	
Vinyl chloride	<0.5	2	ug/l	05/27/06 00:00	"	"	CY	
m,p-Xylene	<0.5	5	ug/l	05/27/06 00:00	"	"	CY	
o-Xylene	<0.5	5	ug/l	05/27/06 00:00	"	"	CY	
Methyl tert-butyl ether	<0.5	10	ug/l	05/27/06 00:00	"	"	CY	
Surrogate: Chlorofluorobenzene (PID)		*114 %*		*80-120*	"	"	CY	
Surrogate: Chlorofluorobenzene (ELCD)		*113 %*		*80-120*	"	"	CY	

HIST = Historically present.
LLFB = LFB % Recovery below acceptance limits. The result may be biased low.

Eastern Laboratory Services, Ltd.

Irene Chu

Reviewed by Irene Chu, Laboratory Director

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Certificate of Analysis

Johnson City Water Department
44 Camden Street
Johnson City NY, 13790

POSTED

Project: Drinking Water
Project No: [none]
Project Manager: James Hamm

Reported:
06/23/06 15:15

Well 2-Treated
6E17034-02 (Drinking Water)

Date Sampled: 05/17/06 10:15
Date Received: 05/17/06 11:50

Analyte	Result	MCL	Units	Prepared	Analyzed	Method	Analyst	Notes
EPA 502.2 Volatile Organic Compouuds (NY List)								
Benzene	<0.5	5	ug/l	05/27/06 00:00	05/27/06 00:00	EPA 502.2	CY	
Bromobenzene	<0.5	5	ug/l	05/27/06 00:00	"	"	CY	
Bromochloromethane	<0.5	5	ug/l	05/27/06 00:00	"	"	CY	
Bromomethane	<0.5	5	ug/l	05/27/06 00:00	"	"	CY	
n-Butylbenzene	<0.5	5	ug/l	05/27/06 00:00	"	"	CY	
sec-Butylbenzene	<0.5	5	ug/l	05/27/06 00:00	"	"	CY	
tert-Butylbenzene	<0.5	5	ug/l	05/27/06 00:00	"	"	CY	
Carbon tetrachloride	<0.5	5	ug/l	05/27/06 00:00	"	"	CY	
Chlorobenzene	<0.5	5	ug/l	05/27/06 00:00	"	"	CY	
Chloroethane	<0.5	5	ug/l	05/27/06 00:00	"	"	CY	
Chloromethane	<0.5	5	ug/l	05/27/06 00:00	"	"	CY	
2-Chlorotoluene	<0.5	5	ug/l	05/27/06 00:00	"	"	CY	
4-Chlorotoluene	<0.5	5	ug/l	05/27/06 00:00	"	"	CY	
Dibromomethane	<0.5	5	ug/l	05/27/06 00:00	"	"	CY	
1,2-Dichlorobenzene	<0.5	5	ug/l	05/27/06 00:00	"	"	CY	
1,3-Dichlorobenzene	<0.5	5	ug/l	05/27/06 00:00	"	"	CY	
1,4-Dichlorobenzene	<0.5	5	ug/l	05/27/06 00:00	"	"	CY	
Dichlorodifluoromethane	<0.5	5	ug/l	05/27/06 00:00	"	"	CY	LLFB
1,1-Dichloroethane	<0.5	5	ug/l	05/27/06 00:00	"	"	CY	
1,2-Dichloroethane	<0.5	5	ug/l	05/27/06 00:00	"	"	CY	
1,1-Dichloroethene	<0.5	5	ug/l	05/27/06 00:00	"	"	CY	
cis-1,2-Dichloroethene	<0.5	5	ug/l	05/27/06 00:00	"	"	CY	
trans-1,2-Dichloroethene	<0.5	5	ug/l	05/27/06 00:00	"	"	CY	
1,2-Dichloropropane	<0.5	5	ug/l	05/27/06 00:00	"	"	CY	
1,3-Dichloropropane	<0.5	5	ug/l	05/27/06 00:00	"	"	CY	
2,2-Dichloropropane	<0.5	5	ug/l	05/27/06 00:00	"	"	CY	
1,1-Dichloropropene	<0.5	5	ug/l	05/27/06 00:00	"	"	CY	
cis-1,3-Dichloropropene	<0.5	5	ug/l	05/27/06 00:00	"	"	CY	
trans-1,3-Dichloropropene	<0.5	5	ug/l	05/27/06 00:00	"	"	CY	
Ethylbenzene	<0.5	5	ug/l	05/27/06 00:00	"	"	CY	

Eastern Laboratory Services, Ltd.

Irene Chu

Reviewed by Irene Chu, Laboratory Director

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FAX (570) 888-0717

Certificate of Analysis

Johnson City Water Department
44 Camden Street
Johnson City NY, 13790

Project: Drinking Water
Project No: [none]
Project Manager: James Hamm

Reported:
06/23/06 15:15

Well 2-Treated
6E17034-02 (Drinking Water)

Date Sampled: 05/17/06 10:15
Date Received: 05/17/06 11:50

Analyte	Result	MCL	Units	Prepared	Analyzed	Method	Analyst	Notes
EPA 502.2 Volatile Organic Compounds (NY List)								
Hexachlorobutadiene	<0.5	5	ug/l	05/27/06 00:00	"	EPA 502.2	CY	
Isopropylbenzene	<0.5	5	ug/l	05/27/06 00:00	"	"	CY	
p-Isopropyltoluene	<0.5	5	ug/l	05/27/06 00:00	"	"	CY	
Methylene chloride	<0.5	5	ug/l	05/27/06 00:00	"	"	CY	
n-Propylbenzene	<0.5	5	ug/l	05/27/06 00:00	"	"	CY	
Styrene	<0.5	5	ug/l	05/27/06 00:00	"	"	CY	
1,1,1,2-Tetrachloroethane	<0.5	5	ug/l	05/27/06 00:00	"	"	CY	
1,1,2,2-Tetrachloroethane	<0.5	5	ug/l	05/27/06 00:00	"	"	CY	
Tetrachloroethene	<0.5	5	ug/l	05/27/06 00:00	"	"	CY	
Toluene	<0.5	5	ug/l	05/27/06 00:00	"	"	CY	
1,2,3-Trichlorobenzene	<0.5	5	ug/l	05/27/06 00:00	"	"	CY	
1,2,4-Trichlorobenzene	<0.5	5	ug/l	05/27/06 00:00	"	"	CY	
1,1,1-Trichloroethane	<0.5	5	ug/l	05/27/06 00:00	"	"	CY	
1,1,2-Trichloroethane	<0.5	5	ug/l	05/27/06 00:00	"	"	CY	
Trichloroethene	<0.5	5	ug/l	05/27/06 00:00	"	"	CY	
Trichlorofluoromethane	<0.5	5	ug/l	05/27/06 00:00	"	"	CY	
1,2,3-Trichloropropane	<0.5	5	ug/l	05/27/06 00:00	"	"	CY	
1,2,4-Trimethylbenzene	<0.5	5	ug/l	05/27/06 00:00	"	"	CY	
1,3,5-Trimethylbenzene	<0.5	5	ug/l	05/27/06 00:00	"	"	CY	
Vinyl chloride	<0.5	2	ug/l	05/27/06 00:00	"	"	CY	
m,p-Xylene	<0.5	5	ug/l	05/27/06 00:00	"	"	CY	
o-Xylene	<0.5	5	ug/l	05/27/06 00:00	"	"	CY	
Methyl tert-butyl ether	<0.5	10	ug/l	05/27/06 00:00	"	"	CY	
Surrogate: Chlorofluorobenzene (PID)	*118 %*		*80-120*		"	"	CY	
Surrogate: Chlorofluorobenzene (ELCD)	*111 %*		*80-120*		"	"	CY	

LLFB = LFB % Recovery below acceptance limits. The result may be biased low.

Well 6
6E17034-03 (Drinking Water)

Date Sampled: 05/17/06 10:45
Date Received: 05/17/06 11:50

Analyte	Result	MCL	Units	Prepared	Analyzed	Method	Analyst	Notes

Eastern Laboratory Services, Ltd.

Irene Chu

Reviewed by Irene Chu, Laboratory Director

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Certificate of Analysis

Johnson City Water Department 44 Camden Street Johnson City NY, 13790	POSTED	Project: Drinking Water Project No: [none] Project Manager: James Hamm
		Reported: 06/23/06 15:15

EPA 502.2 Volatile Organic Compounds (NY List)

Benzene	<0.5	5	ug/l	05/28/06 00:00	05/28/06 00:00	EPA 502.2	CY	
Bromobenzene	<0.5	5	ug/l	05/28/06 00:00	"	"	CY	
Bromochloromethane	<0.5	5	ug/l	05/28/06 00:00	"	"	CY	
Bromomethane	<0.5	5	ug/l	05/28/06 00:00	"	"	CY	
n-Butylbenzene	<0.5	5	ug/l	05/28/06 00:00	"	"	CY	
sec-Butylbenzene	<0.5	5	ug/l	05/28/06 00:00	"	"	CY	
tert-Butylbenzene	<0.5	5	ug/l	05/28/06 00:00	"	"	CY	
Carbon tetrachloride	<0.5	5	ug/l	05/28/06 00:00	"	"	CY	
Chlorobenzene	<0.5	5	ug/l	05/28/06 00:00	"	"	CY	
Chloroethane	<0.5	5	ug/l	05/28/06 00:00	"	"	CY	
Chloromethane	<0.5	5	ug/l	05/28/06 00:00	"	"	CY	
2-Chlorotoluene	<0.5	5	ug/l	05/28/06 00:00	"	"	CY	
4-Chlorotoluene	<0.5	5	ug/l	05/28/06 00:00	"	"	CY	
Dibromomethane	<0.5	5	ug/l	05/28/06 00:00	"	"	CY	
1,2-Dichlorobenzene	<0.5	5	ug/l	05/28/06 00:00	"	"	CY	
1,3-Dichlorobenzene	<0.5	5	ug/l	05/28/06 00:00	"	"	CY	
1,4-Dichlorobenzene	<0.5	5	ug/l	05/28/06 00:00	"	"	CY	
Dichlorodifluoromethane	<0.5	5	ug/l	05/28/06 00:00	"	"	CY	LLFB
1,1-Dichloroethane	<0.5	5	ug/l	05/28/06 00:00	"	"	CY	
1,2-Dichloroethane	<0.5	5	ug/l	05/28/06 00:00	"	"	CY	
1,1-Dichloroethene	<0.5	5	ug/l	05/28/06 00:00	"	"	CY	
cis-1,2-Dichloroethene	<0.5	5	ug/l	05/28/06 00:00	"	"	CY	
trans-1,2-Dichloroethene	<0.5	5	ug/l	05/28/06 00:00	"	"	CY	
1,2-Dichloropropane	<0.5	5	ug/l	05/28/06 00:00	"	"	CY	
1,3-Dichloropropane	<0.5	5	ug/l	05/28/06 00:00	"	"	CY	
2,2-Dichloropropane	<0.5	5	ug/l	05/28/06 00:00	"	"	CY	
1,1-Dichloropropene	<0.5	5	ug/l	05/28/06 00:00	"	"	CY	
cis-1,3-Dichloropropene	<0.5	5	ug/l	05/28/06 00:00	"	"	CY	
trans-1,3-Dichloropropene	<0.5	5	ug/l	05/28/06 00:00	"	"	CY	
Ethylbenzene	<0.5	5	ug/l	05/28/06 00:00	"	"	CY	
Hexachlorobutadiene	<0.5	5	ug/l	05/28/06 00:00	"	"	CY	
Isopropylbenzene	<0.5	5	ug/l	05/28/06 00:00	"	"	CY	
p-Isopropyltoluene	<0.5	5	ug/l	05/28/06 00:00	"	"	CY	

Eastern Laboratory Services, Ltd.

Irene Chu

Reviewed by Irene Chu, Laboratory Director

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Certificate of Analysis

Johnson City Water Department
44 Camden Street
Johnson City NY, 13790

Project: Drinking Water
Project No: [none]
Project Manager: James Hamm

Reported:
06/23/06 15:15

Well 6
6E17034-03 (Drinking Water)

Date Sampled: 05/17/06 10:45
Date Received: 05/17/06 11:50

Analyte	Result	MCL	Units	Prepared	Analyzed	Method	Analyst	Notes
EPA 502.2 Volatile Organic Compounds (NY List)								
Methylene chloride	<0.5	5	ug/l	05/28/06 00:00	"	EPA 502.2	CY	
n-Propylbenzene	<0.5	5	ug/l	05/28/06 00:00	"	"	CY	
Styrene	<0.5	5	ug/l	05/28/06 00:00	"	"	CY	
1,1,1,2-Tetrachloroethane	<0.5	5	ug/l	05/28/06 00:00	"	"	CY	
1,1,2,2-Tetrachloroethane	<0.5	5	ug/l	05/28/06 00:00	"	"	CY	
Tetrachloroethene	<0.5	5	ug/l	05/28/06 00:00	"	"	CY	
Toluene	<0.5	5	ug/l	05/28/06 00:00	"	"	CY	
1,2,3-Trichlorobenzene	<0.5	5	ug/l	05/28/06 00:00	"	"	CY	
1,2,4-Trichlorobenzene	<0.5	5	ug/l	05/28/06 00:00	"	"	CY	
1,1,1-Trichloroethane	<0.5	5	ug/l	05/28/06 00:00	"	"	CY	
1,1,2-Trichloroethane	<0.5	5	ug/l	05/28/06 00:00	"	"	CY	
Trichloroethene	<0.5	5	ug/l	05/28/06 00:00	"	"	CY	
Trichlorofluoromethane	<0.5	5	ug/l	05/28/06 00:00	"	"	CY	
1,2,3-Trichloropropane	<0.5	5	ug/l	05/28/06 00:00	"	"	CY	
1,2,4-Trimethylbenzene	<0.5	5	ug/l	05/28/06 00:00	"	"	CY	
1,3,5-Trimethylbenzene	<0.5	5	ug/l	05/28/06 00:00	"	"	CY	
Vinyl chloride	<0.5	2	ug/l	05/28/06 00:00	"	"	CY	
m,p-Xylene	<0.5	5	ug/l	05/28/06 00:00	"	"	CY	
o-Xylene	<0.5	5	ug/l	05/28/06 00:00	"	"	CY	
Methyl tert-butyl ether	<0.5	10	ug/l	05/28/06 00:00	"	"	CY	
Surrogate: Chlorofluorobenzene (PID)	*112 %*	*80-120*			"	"	CY	
Surrogate: Chlorofluorobenzene (ELCD)	*105 %*	*80-120*			"	"	CY	

LLFB = LFB % Recovery below acceptance limits. The result may be biased low.

Well 3
6E17034-04 (Drinking Water)

Date Sampled: 05/17/06 10:30
Date Received: 05/17/06 11:50

Analyte	Result	MCL	Units	Prepared	Analyzed	Method	Analyst	Notes
Conventional Chemistry Parameters by APHA/EPA Methods								
Nitrate as N	1.42	10	mg/l	05/17/06 11:50	05/17/06 15:05	EPA 353.2	IC	HCCV

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Irene Chu

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Johnson City Water Department
44 Camden Street
Johnson City NY, 13790

POSTED

Project: Drinking Water
Project No: [none]
Project Manager: James Hamm

Reported:
06/23/06 15:15

Well 3
6E17034-04 (Drinking Water)

Date Sampled: 05/17/06 10:30
Date Received: 05/17/06 11:50

Analyte	Result	MCL	Units	Prepared	Analyzed	Method	Analyst	Notes
Conventional Chemistry Parameters by APHA/EPA Methods								
Sulfate as SO4	48	250	mg/l	05/30/06 09:30	05/30/06 09:30	SM18-4500SO4-D	KAL	
EPA 502.2 Volatile Organic Compounds (NY List)								
Benzene	<0.5	5	ug/l	05/28/06 00:00	05/28/06 00:00	EPA 502.2	CY	
Bromobenzene	<0.5	5	ug/l	05/28/06 00:00	"	"	CY	
Bromochloromethane	<0.5	5	ug/l	05/28/06 00:00	"	"	CY	
Bromomethane	<0.5	5	ug/l	05/28/06 00:00	"	"	CY	
n-Butylbenzene	<0.5	5	ug/l	05/28/06 00:00	"	"	CY	
sec-Butylbenzene	<0.5	5	ug/l	05/28/06 00:00	"	"	CY	
tert-Butylbenzene	<0.5	5	ug/l	05/28/06 00:00	"	"	CY	
Carbon tetrachloride	<0.5	5	ug/l	05/28/06 00:00	"	"	CY	
Chlorobenzene	<0.5	5	ug/l	05/28/06 00:00	"	"	CY	
Chloroethane	<0.5	5	ug/l	05/28/06 00:00	"	"	CY	
Chloromethane	<0.5	5	ug/l	05/28/06 00:00	"	"	CY	
2-Chlorotoluene	<0.5	5	ug/l	05/28/06 00:00	"	"	CY	
4-Chlorotoluene	<0.5	5	ug/l	05/28/06 00:00	"	"	CY	
Dibromomethane	<0.5	5	ug/l	05/28/06 00:00	"	"	CY	
1,2-Dichlorobenzene	<0.5	5	ug/l	05/28/06 00:00	"	"	CY	
1,3-Dichlorobenzene	<0.5	5	ug/l	05/28/06 00:00	"	"	CY	
1,4-Dichlorobenzene	<0.5	5	ug/l	05/28/06 00:00	"	"	CY	
Dichlorodifluoromethane	<0.5	5	ug/l	05/28/06 00:00	"	"	CY	LLFB
1,1-Dichloroethane	<0.5	5	ug/l	05/28/06 00:00	"	"	CY	
1,2-Dichloroethane	<0.5	5	ug/l	05/28/06 00:00	"	"	CY	
1,1-Dichloroethene	<0.5	5	ug/l	05/28/06 00:00	"	"	CY	
cis-1,2-Dichloroethene	<0.5	5	ug/l	05/28/06 00:00	"	"	CY	
trans-1,2-Dichloroethene	<0.5	5	ug/l	05/28/06 00:00	"	"	CY	
1,2-Dichloropropane	<0.5	5	ug/l	05/28/06 00:00	"	"	CY	
1,3-Dichloropropane	<0.5	5	ug/l	05/28/06 00:00	"	"	CY	
2,2-Dichloropropane	<0.5	5	ug/l	05/28/06 00:00	"	"	CY	
1,1-Dichloropropene	<0.5	5	ug/l	05/28/06 00:00	"	"	CY	

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Johnson City Water Department
44 Camden Street
Johnson City NY, 13790

POSTED

Project: Drinking Water
Project No: [none]
Project Manager: James Hamm

Reported:
06/23/06 15:15

Well 3
6E17034-04 (Drinking Water)

Date Sampled: 05/17/06 10:30
Date Received: 05/17/06 11:50

Analyte	Result	MCL	Units	Prepared	Analyzed	Method	Analyst	Notes
EPA 502.2 Volatile Organic Compounds (NY List)								
cis-1,3-Dichloropropene	<0.5	5	ug/l	05/28/06 00:00	"	EPA 502.2	CY	
trans-1,3-Dichloropropene	<0.5	5	ug/l	05/28/06 00:00	"	"	CY	
Ethylbenzene	<0.5	5	ug/l	05/28/06 00:00	"	"	CY	
Hexachlorobutadiene	<0.5	5	ug/l	05/28/06 00:00	"	"	CY	
Isopropylbenzene	<0.5	5	ug/l	05/28/06 00:00	"	"	CY	
p-Isopropyltoluene	<0.5	5	ug/l	05/28/06 00:00	"	"	CY	
Methylene chloride	<0.5	5	ug/l	05/28/06 00:00	"	"	CY	
n-Propylbenzene	<0.5	5	ug/l	05/28/06 00:00	"	"	CY	
Styrene	<0.5	5	ug/l	05/28/06 00:00	"	"	CY	
1,1,1,2-Tetrachloroethane	<0.5	5	ug/l	05/28/06 00:00	"	"	CY	
1,1,2,2-Tetrachloroethane	<0.5	5	ug/l	05/28/06 00:00	"	"	CY	
Tetrachloroethene	<0.5	5	ug/l	05/28/06 00:00	"	"	CY	
Toluene	<0.5	5	ug/l	05/28/06 00:00	"	"	CY	
1,2,3-Trichlorobenzene	<0.5	5	ug/l	05/28/06 00:00	"	"	CY	
1,2,4-Trichlorobenzene	<0.5	5	ug/l	05/28/06 00:00	"	"	CY	
1,1,1-Trichloroethane	1.1	5	ug/l	05/28/06 00:00	"	"	CY	HIST
1,1,2-Trichloroethane	<0.5	5	ug/l	05/28/06 00:00	"	"	CY	
Trichloroethene	1.1	5	ug/l	05/28/06 00:00	"	"	CY	HIST
Trichlorofluoromethane	<0.5	5	ug/l	05/28/06 00:00	"	"	CY	
1,2,3-Trichloropropane	<0.5	5	ug/l	05/28/06 00:00	"	"	CY	
1,2,4-Trimethylbenzene	<0.5	5	ug/l	05/28/06 00:00	"	"	CY	
1,3,5-Trimethylbenzene	<0.5	5	ug/l	05/28/06 00:00	"	"	CY	
Vinyl chloride	<0.5	2	ug/l	05/28/06 00:00	"	"	CY	
m,p-Xylene	<0.5	5	ug/l	05/28/06 00:00	"	"	CY	
o-Xylene	<0.5	5	ug/l	05/28/06 00:00	"	"	CY	
Methyl tert-butyl ether	<0.5	10	ug/l	05/28/06 00:00	"	"	CY	
Surrogate: Chlorofluorobenzene (PID)		*110 %*	*80-120*		"	"	CY	
Surrogate: Chlorofluorobenzene (ELCD)		*105 %*	*80-120*		"	"	CY	
EPA 504.1 Microextractables								TB

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Certificate of Analysis

Johnson City Water Department		Project: Drinking Water	
44 Camden Street	POSTED	Project No: [none]	**Reported:**
Johnson City NY, 13790		Project Manager: James Hamm	06/23/06 15:15

Well 3
6E17034-04 (Drinking Water)

Date Sampled: 05/17/06 10:30
Date Received: 05/17/06 11:50

Analyte	Result	MCL	Units	Prepared	Analyzed	Method	Analyst	Notes
EPA 504.1 Microextractables								TB
1,2-Dibromoethane (EDB)	<0.01	0.05	ug/l	05/22/06 16:00	05/22/06 23:53	EPA 504.1	PDB	
1,2-Dibromo-3-chloropropane	<0.01	0.2	ug/l	05/22/06 16:00	"	"	PDB	
Surrogate: Tetrachloro-meta-xylene		*97.0 %*	*70-130*		"	"	PDB	
EPA 508 Pesticides and PCB Screen								
Chlordane (tech)	<0.10	2	ug/l	05/22/06 00:00	05/24/06 19:20	EPA 508	PDB	
Toxaphene	<0.25	3	ug/l	05/22/06 00:00	"	"	PDB	
PCBs as Aroclors (screen)	Absence	0.5	ug/l	05/22/06 00:00	"	"	PDB	
Surrogate: beta-BHC		*81.3 %*	*70-130*		"	"	PDB	
EPA 515.3 Herbicides (NY)								BNCH*
2,4-D	<0.5	70	ug/l	05/19/06 09:40	05/20/06 00:00	EPA 515.3		
Dalapon	<3.0	200	ug/l	05/19/06 09:40	"	"		
Dicamba	<0.3	50	ug/l	05/19/06 09:40	"	"		
Dinoseb	<0.5	7	ug/l	05/19/06 09:40	"	"		
Pentachlorophenol	<0.3	1	ug/l	05/19/06 09:40	"	"		
Picloram	<0.3	500	ug/l	05/19/06 09:40	"	"		
2,4,5-TP (Silvex)	<0.3	50	ug/l	05/19/06 09:40	"	"		
EPA 525.2 Semivolatile Organic Compounds								
Alachlor	<0.10	2	ug/l	05/22/06 00:00	05/22/06 00:00	EPA 525.2	RJH	
Aldrin	<0.10	5	ug/l	05/22/06 00:00	"	"	RJH	
Atrazine	<0.10	3	ug/l	05/22/06 00:00	"	"	RJH	
Benzo (a) pyrene	<0.10	0.2	ug/l	05/22/06 00:00	"	"	RJH	
Di(2-ethylhexyl)adipate	<2.00	400	ug/l	05/22/06 00:00	"	"	RJH	
Di(2-ethylhexyl)phthalate	<2.00	6	ug/l	05/22/06 00:00	"	"	RJH	
Butachlor	<2.00	50	ug/l	05/22/06 00:00	"	"	RJH	
Endrin	<0.10	2	ug/l	05/22/06 00:00	"	"	RJH	
Heptachlor	<0.10	0.4	ug/l	05/22/06 00:00	"	"	RJH	
Heptachlor epoxide	<0.10	0.2	ug/l	05/22/06 00:00	"	"	RJH	
Hexachlorobenzene	<0.10	1	ug/l	05/22/06 00:00	"	"	RJH	

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POSTED

Project: Drinking Water
Project No: [none]
Project Manager: James Hamm

Reported:
06/23/06 15:15

Well 3
6E17034-04 (Drinking Water)

Date Sampled: 05/17/06 10:30
Date Received: 05/17/06 11:50

Analyte	Result	MCL	Units	Prepared	Analyzed	Method	Analyst	Notes
EPA 525.2 Semivolatile Organic Compounds								
Hexachlorocyclopentadiene	<0.10	50	ug/l	05/22/06 00:00	"	EPA 525.2	RJH	
HCH-gamma (Lindane)	<0.10	0.2	ug/l	05/22/06 00:00	"	"	RJH	
Methoxychlor	<0.10	40	ug/l	05/22/06 00:00	"	"	RJH	
Metolachlor	<2.00	50	ng/l	05/22/06 00:00	"	"	RJH	
Metribuzin	<1.00	50	ug/l	05/22/06 00:00	"	"	RJH	
Propachlor	<1.00	50	ug/l	05/22/06 00:00	"	"	RJH	
Simazine	<0.10	4	ug/l	05/22/06 00:00	"	"	RJH	
Dieldrin	<0.10	5	ug/l	05/22/06 00:00	"	"	RJH	
Surrogate: 1,3-Dimethyl-2-nitrobenzene		*95.6 %*		*70-130*	"	"	RJH	
Surrogate: Triphenyl phosphate		*94.4 %*		*70-130*	"	"	RJH	
Surrogate: Perylene-d12		*89.8 %*		*70-130*	"	"	RJH	
EPA 531.1 Carbamate Pesticides								
Aldicarb sulfoxide	<1.0	4	ug/l	05/17/06 11:50	05/18/06 00:00	EPA 531.1	IC	
Aldicarb sulfone	<1.0	2	ug/l	05/17/06 11:50	"	"	IC	
Oxamyl	<1.0	200	ug/l	05/17/06 11:50	"	"	IC	
Methomyl	<1.0	0	ug/l	05/17/06 11:50	"	"	IC	
3-Hydroxycarbofuran	<1.0	0	ug/l	05/17/06 11:50	"	"	IC	
Aldicarb	<1.0	3	ug/l	05/17/06 11:50	"	"	IC	
Carbofuran	<1.0	40	ug/l	05/17/06 11:50	"	"	IC	
Carbaryl	<1.0	0	ug/l	05/17/06 11:50	"	"	IC	
Cyanide by Semi-Automated Spectrophotometry and FIA								
Cyanide (total)	<0.010	0.2	mg/l	05/19/06 00:00	05/23/06 00:00	EPA 335.4	RN	
Fluoride by Ion Selective Electrode								
Fluoride	<0.2	2	mg/l	05/23/06 10:45	05/23/06 10:45	SM18-4500F-C	KAL	
Mercury by EPA 245.1								
Mercury	<0.0002	0.002	mg/l	05/30/06 00:00	05/31/06 15:43	EPA 245.1	JD	
Metals by EPA 200 Series Methods								
Beryllium	<0.0020	0.004	mg/l	06/13/06 18:34	06/13/06 18:34	EPA 200.8		QC*
Antimony	<0.0050	0.006	mg/l	05/23/06 00:00	05/23/06 13:23	EPA 200.9	JD	

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Irene Chu

Reviewed by Irene Chu, Laboratory Director

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Broome County DOH PA 08380 NY 11216

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Certificate of Analysis

Johnson City Water Department	Project: Drinking Water	
44 Camden Street	Project No: [none]	**Reported:**
Johnson City NY, 13790	Project Manager: James Hamm	06/23/06 15:15

Well 3
6E17034-04 (Drinking Water)

Date Sampled: 05/17/06 10:30
Date Received: 05/17/06 11:50

Analyte	Result	MCL	Units	Prepared	Analyzed	Method	Analyst	Notes
Metals by EPA 200 Series Methods								
Thallium	<0.002	0.002	mg/l	06/05/06 00:00	06/05/06 12:16	EPA 200.9	JD	
Drinking Water Metals by EPA 200 Series Methods								
Arsenic	<0.003	0.01	mg/l	05/24/06 00:00	05/24/06 13:43	EPA 200.9	JD	
Barium	0.091	2	mg/l	05/22/06 00:00	05/22/06 01:37	EPA 200.7	JD	
Cadmium	<0.0020	0.005	mg/l	05/22/06 00:00	"	"	JD	
Chromium	<0.0050	0.1	mg/l	05/22/06 00:00	"	"	JD	
Nickel	<0.0020	0.1	mg/l	05/22/06 00:00	"	"	JD	
Selenium	<0.005	0.05	mg/l	05/30/06 00:00	05/30/06 10:47	EPA 200.9	JD	

BNCH* = Analysis performed by PA DEP#39-401, NY DOH#11827
HCCV = Continuing Calibration Verification was above acceptance limits. Results may be biased high.
HIST = Historically present.
LLFB = LFB % Recovery below acceptance limits. The result may be biased low.
QC* = Analysis performed by NYS DOH #11223, PA DEP#09-131
TB = Trip Blank not analyzed - sample results did not exceed the MDL for this method.

502.2-VOC-TB
6E17034-05 (Trip Blank)

Date Sampled: 05/11/06 10:00
Date Received: 05/17/06 11:50

Analyte	Result	MCL	Units	Prepared	Analyzed	Method	Analyst	Notes
EPA 502.2 Volatile Organic Compounds (NY List)								HT
1,1,1-Trichloroethane	<0.5	5	ug/l	05/28/06 00:00	05/28/06 00:00	EPA 502.2	CY	
Trichloroethene	<0.5	5	ug/l	05/28/06 00:00	"	"	CY	
Surrogate: Chlorofluorobenzene (PID)	*109 %*	*80-120*			"	"	CY	
Surrogate: Chlorofluorobenzene (ELCD)	*101 %*	*80-120*			"	"	CY	

HT = This sample was analyzed outside of the EPA recommended holding time

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Irene Chu

Reviewed by Irene Chu, Laboratory Director

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Certificate of Analysis

Johnson City Water Department
44 Camden Street
Johnson City NY, 13790

SDWIS

Project: Drinking Water
Project No: [none]
Project Manager: James Hamm

Reported:
03/09/06 13:04

Well #2-Raw
6B23057-01 (Drinking Water)

Date Sampled: 02/23/06 09:00
Date Received: 02/23/06 10:15

Analyte	Result	MCL	Units	Prepared	Analyzed	Method	Analyst	Notes
EPA 502.2 Volatile Organic Compounds (NY List)								
Benzene	<0.5	5	ug/l	03/03/06 00:00	03/03/06 00:00	EPA 502.2	CY	
Bromobenzene	<0.5	5	ug/l	03/03/06 00:00	"	"	CY	
Bromochloromethane	<0.5	5	ug/l	03/03/06 00:00	"	"	CY	
Bromomethane	<0.5	5	ug/l	03/03/06 00:00	"	"	CY	
n-Butylbenzene	<0.5	5	ug/l	03/03/06 00:00	"	"	CY	
sec-Butylbenzene	<0.5	5	ug/l	03/03/06 00:00	"	"	CY	
tert-Butylbenzene	<0.5	5	ug/l	03/03/06 00:00	"	"	CY	
Carbon tetrachloride	<0.5	5	ug/l	03/03/06 00:00	"	"	CY	
Chlorobenzene	<0.5	5	ug/l	03/03/06 00:00	"	"	CY	
Chloroethane	<0.5	5	ug/l	03/03/06 00:00	"	"	CY	
Chloromethane	<0.5	5	ug/l	03/03/06 00:00	"	"	CY	
2-Chlorotoluene	<0.5	5	ug/l	03/03/06 00:00	"	"	CY	
4-Chlorotoluene	<0.5	5	ug/l	03/03/06 00:00	"	"	CY	
Dibromomethane	<0.5	5	ug/l	03/03/06 00:00	"	"	CY	
1,2-Dichlorobenzene	<0.5	5	ug/l	03/03/06 00:00	"	"	CY	
1,3-Dichlorobenzene	<0.5	5	ug/l	03/03/06 00:00	"	"	CY	
1,4-Dichlorobenzene	<0.5	5	ug/l	03/03/06 00:00	"	"	CY	
Dichlorodifluoromethane	<0.5	5	ug/l	03/03/06 00:00	"	"	CY	
1,1-Dichloroethane	<0.5	5	ug/l	03/03/06 00:00	"	"	CY	
1,2-Dichloroethane	<0.5	5	ug/l	03/03/06 00:00	"	"	CY	
1,1-Dichloroethene	<0.5	5	ug/l	03/03/06 00:00	"	"	CY	
cis-1,2-Dichloroethene	<0.5	5	ug/l	03/03/06 00:00	"	"	CY	
trans-1,2-Dichloroethene	<0.5	5	ug/l	03/03/06 00:00	"	"	CY	
1,2-Dichloropropane	<0.5	5	ug/l	03/03/06 00:00	"	"	CY	
1,3-Dichloropropane	<0.5	5	ug/l	03/03/06 00:00	"	"	CY	
2,2-Dichloropropane	<0.5	5	ug/l	03/03/06 00:00	"	"	CY	
1,1-Dichloropropene	<0.5	5	ug/l	03/03/06 00:00	"	"	CY	
cis-1,3-Dichloropropene	<0.5	5	ug/l	03/03/06 00:00	"	"	CY	
trans-1,3-Dichloropropene	<0.5	5	ug/l	03/03/06 00:00	"	"	CY	

Eastern Laboratory Services, Ltd.

Irene Chu

Reviewed by Irene Chu, Laboratory Director

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Certificate of Analysis

Johnson City Water Department	Project: Drinking Water	
44 Camden Street	Project No: [none]	**Reported:**
Johnson City NY, 13790	Project Manager: James Hamm	03/09/06 13:04

Well #2-Raw
6B23057-01 (Drinking Water)

Date Sampled: 02/23/06 09:00
Date Received: 02/23/06 10:15

Analyte	Result	MCL	Units	Prepared	Analyzed	Method	Analyst	Notes
EPA 502.2 Volatile Organic Compounds (NY List)								
Ethylbenzene	<0.5	5	ug/l	03/03/06 00:00	"	EPA 502.2	CY	
Hexachlorobutadiene	<0.5	5	ug/l	03/03/06 00:00	"	"	CY	
Isopropylbenzene	<0.5	5	ug/l	03/03/06 00:00	"	"	CY	
p-Isopropyltoluene	<0.5	5	ug/l	03/03/06 00:00	"	"	CY	
Methylene chloride	<0.5	5	ug/l	03/03/06 00:00	03/08/06 00:00	"	CY	
n-Propylbenzene	<0.5	5	ug/l	03/03/06 00:00	03/03/06 00:00	"	CY	
Styrene	<0.5	5	ug/l	03/03/06 00:00	"	"	CY	
1,1,1,2-Tetrachloroethane	<0.5	5	ug/l	03/03/06 00:00	"	"	CY	
1,1,2,2-Tetrachloroethane	<0.5	5	ug/l	03/03/06 00:00	"	"	CY	
Tetrachloroethene	<0.5	5	ug/l	03/03/06 00:00	"	"	CY	
Toluene	<0.5	5	ug/l	03/03/06 00:00	"	"	CY	
1,2,3-Trichlorobenzene	<0.5	5	ug/l	03/03/06 00:00	"	"	CY	
1,2,4-Trichlorobenzene	<0.5	5	ug/l	03/03/06 00:00	"	"	CY	
1,1,1-Trichloroethane	<0.5	5	ug/l	03/03/06 00:00	"	"	CY	
1,1,2-Trichloroethane	<0.5	5	ug/l	03/03/06 00:00	"	"	CY	
Trichloroethene	0.6	5	ug/l	03/03/06 00:00	"	"	CY	AA
Trichlorofluoromethane	<0.5	5	ug/l	03/03/06 00:00	"	"	CY	
1,2,3-Trichloropropane	<0.5	5	ug/l	03/03/06 00:00	"	"	CY	
1,2,4-Trimethylbenzene	<0.5	5	ug/l	03/03/06 00:00	"	"	CY	
1,3,5-Trimethylbenzene	<0.5	5	ug/l	03/03/06 00:00	"	"	CY	
Vinyl chloride	<0.5	2	ug/l	03/03/06 00:00	"	"	CY	
m,p-Xylene	<0.5	5	ug/l	03/03/06 00:00	"	"	CY	
o-Xylene	<0.5	5	ug/l	03/03/06 00:00	"	"	CY	
Methyl tert-butyl ether	<0.5	10	ug/l	03/03/06 00:00	"	"	CY	
Surrogate: Chlorofluorobenzene (PID)	*88.0 %*		*80-120*			"	CY	
Surrogate: Chlorofluorobenzene (ELCD)	*95.0 %*		*80-120*			"	CY	

SDWIS

AA = 0.7ug/L in Vial B (3/8/06).

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Well #2-Treated
6B23057-02 (Drinking Water)

Date Sampled: 02/23/06 09:15
Date Received: 02/23/06 10:15

Eastern Laboratory Services, Ltd.

Irene Chu

Reviewed by Irene Chu, Laboratory Director

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Johnson City Water Department	Project: Drinking Water	
44 Camden Street	Project No: [none]	**Reported:**
Johnson City NY, 13790	Project Manager: James Hamm	03/09/06 13:04

Analyte	Result	MCL	Units	Prepared	Analyzed	Method	Analyst	Notes
EPA 502.2 Volatile Organic Compounds (NY List)								
Benzene	<0.5	5	ug/l	03/04/06 00:00	03/04/06 00:00	EPA 502.2	CY	
Bromobenzene	<0.5	5	ug/l	03/04/06 00:00	"	"	CY	
Bromochloromethane	<0.5	5	ug/l	03/04/06 00:00	"	"	CY	
Bromomethane	<0.5	5	ug/l	03/04/06 00:00	"	"	CY	
n-Butylbenzene	<0.5	5	ug/l	03/04/06 00:00	"	"	CY	
sec-Butylbenzene	<0.5	5	ug/l	03/04/06 00:00	"	"	CY	
tert-Butylbenzene	<0.5	5	ug/l	03/04/06 00:00	"	"	CY	
Carbon tetrachloride	<0.5	5	ug/l	03/04/06 00:00	"	"	CY	
Chlorobenzene	<0.5	5	ug/l	03/04/06 00:00	"	"	CY	
Chloroethane	<0.5	5	ug/l	03/04/06 00:00	"	"	CY	
Chloromethane	<0.5	5	ug/l	03/04/06 00:00	"	"	CY	
2-Chlorotoluene	<0.5	5	ug/l	03/04/06 00:00	"	"	CY	
4-Chlorotoluene	<0.5	5	ug/l	03/04/06 00:00	"	"	CY	
Dibromomethane	<0.5	5	ug/l	03/04/06 00:00	"	"	CY	
1,2-Dichlorobenzene	<0.5	5	ug/l	03/04/06 00:00	"	"	CY	
1,3-Dichlorobenzene	<0.5	5	ug/l	03/04/06 00:00	"	"	CY	
1,4-Dichlorobenzene	<0.5	5	ug/l	03/04/06 00:00	"	"	CY	
Dichlorodifluoromethane	<0.5	5	ug/l	03/04/06 00:00	"	"	CY	
1,1-Dichloroethane	<0.5	5	ug/l	03/04/06 00:00	"	"	CY	
1,2-Dichloroethane	<0.5	5	ug/l	03/04/06 00:00	"	"	CY	
1,1-Dichloroethene	<0.5	5	ug/l	03/04/06 00:00	"	"	CY	
cis-1,2-Dichloroethene	<0.5	5	ug/l	03/04/06 00:00	"	"	CY	
trans-1,2-Dichloroethene	<0.5	5	ug/l	03/04/06 00:00	"	"	CY	
1,2-Dichloropropane	<0.5	5	ug/l	03/04/06 00:00	"	"	CY	
1,3-Dichloropropane	<0.5	5	ug/l	03/04/06 00:00	"	"	CY	
2,2-Dichloropropane	<0.5	5	ug/l	03/04/06 00:00	"	"	CY	
1,1-Dichloropropene	<0.5	5	ug/l	03/04/06 00:00	"	"	CY	
cis-1,3-Dichloropropene	<0.5	5	ug/l	03/04/06 00:00	"	"	CY	
trans-1,3-Dichloropropene	<0.5	5	ug/l	03/04/06 00:00	"	"	CY	
Ethylbenzene	<0.5	5	ug/l	03/04/06 00:00	"	"	CY	
Hexachlorobutadiene	<0.5	5	ug/l	03/04/06 00:00	"	"	CY	
Isopropylbenzene	<0.5	5	ug/l	03/04/06 00:00	"	"	CY	

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Irene Chu

Reviewed by Irene Chu, Laboratory Director

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Certificate of Analysis

Johnson City Water Department	Project: Drinking Water	
44 Camden Street	Project No: [none]	**Reported:**
Johnson City NY, 13790	Project Manager: James Hamm	03/09/06 13:04

Well #2-Treated
6B23057-02 (Drinking Water)

Date Sampled: 02/23/06 09:15
Date Received: 02/23/06 10:15

Analyte	Result	MCL	Units	Prepared	Analyzed	Method	Analyst	Notes
EPA 502.2 Volatile Organic Compounds (NY List)								
p-Isopropyltoluene	<0.5	5	ug/l	03/04/06 00:00	"	EPA 502.2	CY	
Methylene chloride	<0.5	5	ug/l	03/04/06 00:00	03/08/06 00:00	"	CY	
n-Propylbenzene	<0.5	5	ug/l	03/04/06 00:00	03/04/06 00:00	"	CY	
Styrene	<0.5	5	ug/l	03/04/06 00:00	"	"	CY	
1,1,1,2-Tetrachloroethane	<0.5	5	ug/l	03/04/06 00:00	"	"	CY	
1,1,2,2-Tetrachloroethane	<0.5	5	ug/l	03/04/06 00:00	"	"	CY	
Tetrachloroethene	<0.5	5	ug/l	03/04/06 00:00	"	"	CY	
Toluene	<0.5	5	ug/l	03/04/06 00:00	"	"	CY	
1,2,3-Trichlorobenzene	<0.5	5	ug/l	03/04/06 00:00	"	"	CY	
1,2,4-Trichlorobenzene	<0.5	5	ug/l	03/04/06 00:00	"	"	CY	
1,1,1-Trichloroethane	<0.5	5	ug/l	03/04/06 00:00	"	"	CY	
1,1,2-Trichloroethane	<0.5	5	ug/l	03/04/06 00:00	"	"	CY	
Trichloroethene	<0.5	5	ug/l	03/04/06 00:00	"	"	CY	
Trichlorofluoromethane	<0.5	5	ug/l	03/04/06 00:00	"	"	CY	
1,2,3-Trichloropropane	<0.5	5	ug/l	03/04/06 00:00	"	"	CY	
1,2,4-Trimethylbenzene	<0.5	5	ug/l	03/04/06 00:00	"	"	CY	
1,3,5-Trimethylbenzene	<0.5	5	ug/l	03/04/06 00:00	"	"	CY	
Vinyl chloride	<0.5	2	ug/l	03/04/06 00:00	"	"	CY	
m,p-Xylene	<0.5	5	ug/l	03/04/06 00:00	"	"	CY	
o-Xylene	<0.5	5	ug/l	03/04/06 00:00	"	"	CY	
Methyl tert-butyl ether	<0.5	10	ug/l	03/04/06 00:00	"	"	CY	
Surrogate: Chlorofluorobenzene (PID)		*88.0 %*	*80-120*		"	"	CY	
Surrogate: Chlorofluorobenzene (ELCD)		*95.0 %*	*80-120*		"	"	CY	

Well #6-Raw
6B23057-03 (Drinking Water)

Date Sampled: 02/23/06 09:20
Date Received: 02/23/06 10:15

Analyte	Result	MCL	Units	Prepared	Analyzed	Method	Analyst	Notes
EPA 502.2 Volatile Organic Compounds (NY List)								
Benzene	<0.5	5	ug/l	03/04/06 00:00	03/04/06 00:00	EPA 502.2	CY	

Eastern Laboratory Services, Ltd.

Irene Chu

Reviewed by Irene Chu, Laboratory Director

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Certificate of Analysis

Johnson City Water Department
44 Camden Street
Johnson City NY, 13790

SDWIS

Project: Drinking Water
Project No: [none]
Project Manager: James Hamm

Reported:
03/09/06 13:04

Well #6-Raw
6B23057-03 (Drinking Water)

Date Sampled: 02/23/06 09:20
Date Received: 02/23/06 10:15

Analyte	Result	MCL	Units	Prepared	Analyzed	Method	Analyst	Notes
EPA 502.2 Volatile Organic Compounds (NY List)								
Bromobenzene	<0.5	5	ug/l	03/04/06 00:00	"	EPA 502.2	CY	
Bromochloromethane	<0.5	5	ug/l	03/04/06 00:00	"	"	CY	
Bromomethane	<0.5	5	ug/l	03/04/06 00:00	"	"	CY	
n-Butylbenzene	<0.5	5	ug/l	03/04/06 00:00	"	"	CY	
sec-Butylbenzene	<0.5	5	ug/l	03/04/06 00:00	"	"	CY	
tert-Butylbenzene	<0.5	5	ug/l	03/04/06 00:00	"	"	CY	
Carbon tetrachloride	<0.5	5	ug/l	03/04/06 00:00	"	"	CY	
Chlorobenzene	<0.5	5	ug/l	03/04/06 00:00	"	"	CY	
Chloroethane	<0.5	5	ug/l	03/04/06 00:00	"	"	CY	
Chloromethane	<0.5	5	ug/l	03/04/06 00:00	"	"	CY	
2-Chlorotoluene	<0.5	5	ug/l	03/04/06 00:00	"	"	CY	
4-Chlorotoluene	<0.5	5	ug/l	03/04/06 00:00	"	"	CY	
Dibromomethane	<0.5	5	ug/l	03/04/06 00:00	"	"	CY	
1,2-Dichlorobenzene	<0.5	5	ug/l	03/04/06 00:00	"	"	CY	
1,3-Dichlorobenzene	<0.5	5	ug/l	03/04/06 00:00	"	"	CY	
1,4-Dichlorobenzene	<0.5	5	ug/l	03/04/06 00:00	"	"	CY	
Dichlorodifluoromethane	<0.5	5	ug/l	03/04/06 00:00	"	"	CY	LLFM
1,1-Dichloroethane	<0.5	5	ug/l	03/04/06 00:00	"	"	CY	
1,2-Dichloroethane	<0.5	5	ug/l	03/04/06 00:00	"	"	CY	
1,1-Dichloroethene	<0.5	5	ug/l	03/04/06 00:00	"	"	CY	
cis-1,2-Dichloroethene	<0.5	5	ug/l	03/04/06 00:00	"	"	CY	
trans-1,2-Dichloroethene	<0.5	5	ug/l	03/04/06 00:00	"	"	CY	
1,2-Dichloropropane	<0.5	5	ug/l	03/04/06 00:00	"	"	CY	
1,3-Dichloropropane	<0.5	5	ug/l	03/04/06 00:00	"	"	CY	
2,2-Dichloropropane	<0.5	5	ug/l	03/04/06 00:00	"	"	CY	
1,1-Dichloropropene	<0.5	5	ug/l	03/04/06 00:00	"	"	CY	
cis-1,3-Dichloropropene	<0.5	5	ug/l	03/04/06 00:00	"	"	CY	
trans-1,3-Dichloropropene	<0.5	5	ug/l	03/04/06 00:00	"	"	CY	
Ethylbenzene	<0.5	5	ug/l	03/04/06 00:00	"	"	CY	

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Irene Chu

Reviewed by Irene Chu, Laboratory Director

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Broome County DOH PA 08380 NY 11216

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SDWIS

POSTED

Johnson City Water Department
44 Camden Street
Johnson City NY, 13790

Project: Drinking Water
Project No: [none]
Project Manager: James Hamm

Reported:
03/09/06 13:04

Well #6-Raw
6B23057-03 (Drinking Water)

Date Sampled: 02/23/06 09:20
Date Received: 02/23/06 10:15

Analyte	Result	MCL	Units	Prepared	Analyzed	Method	Analyst	Notes
EPA 502.2 Volatile Organic Compouuds (NY List)								
Hexachlorobutadiene	<0.5	5	ug/l	03/04/06 00:00	"	EPA 502.2	CY	
Isopropylbenzene	<0.5	5	ug/l	03/04/06 00:00	"	"	CY	
p-Isopropyltoluene	<0.5	5	ug/l	03/04/06 00:00	"	"	CY	
Methylene chloride	<0.5	5	ug/l	03/04/06 00:00	03/08/06 00:00	"	CY	
n-Propylbenzene	<0.5	5	ug/l	03/04/06 00:00	03/04/06 00:00	"	CY	
Styrene	<0.5	5	ug/l	03/04/06 00:00	"	"	CY	
1,1,1,2-Tetrachloroethane	<0.5	5	ug/l	03/04/06 00:00	"	"	CY	
1,1,2,2-Tetrachloroethane	<0.5	5	ug/l	03/04/06 00:00	"	"	CY	
Tetrachloroethene	0.6	5	ug/l	03/04/06 00:00	"	"	CY	AA
Toluene	<0.5	5	ug/l	03/04/06 00:00	"	"	CY	
1,2,3-Trichlorobenzene	<0.5	5	ug/l	03/04/06 00:00	"	"	CY	
1,2,4-Trichlorobenzene	<0.5	5	ug/l	03/04/06 00:00	"	"	CY	
1,1,1-Trichloroethane	<0.5	5	ug/l	03/04/06 00:00	"	"	CY	
1,1,2-Trichloroethane	<0.5	5	ug/l	03/04/06 00:00	"	"	CY	
Trichloroethene	<0.5	5	ug/l	03/04/06 00:00	"	"	CY	
Trichlorofluoromethane	<0.5	5	ug/l	03/04/06 00:00	"	"	CY	
1,2,3-Trichloropropane	<0.5	5	ug/l	03/04/06 00:00	"	"	CY	
1,2,4-Trimethylbenzene	<0.5	5	ug/l	03/04/06 00:00	"	"	CY	
1,3,5-Trimethylbenzene	<0.5	5	ug/l	03/04/06 00:00	"	"	CY	
Vinyl chloride	<0.5	2	ug/l	03/04/06 00:00	"	"	CY	
m,p-Xylene	<0.5	5	ug/l	03/04/06 00:00	"	"	CY	
o-Xylene	<0.5	5	ug/l	03/04/06 00:00	"	"	CY	
Methyl tert-butyl ether	<0.5	10	ug/l	03/04/06 00:00	"	"	CY	
Surrogate: Chlorofluorobenzene (PID)	*92.0 %*		*80-120*		"	"	CY	
Surrogate: Chlorofluorobenzene (ELCD)	*98.0 %*		*80-120*		"	"	CY	

AA = 0.7ug/L in Vial B (3/8/06).
LLFM = Matrix spike % Recovery below acceptance limits.

502.2-VOC-TB
6B23057-04 (Trip Blank)

Date Sampled: 02/22/06 10:00
Date Received: 02/23/06 10:15

Eastern Laboratory Services, Ltd.

Irene Chu

Reviewed by Irene Chu, Laboratory Director

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Johnson City Water Department	Project: Drinking Water	
44 Camden Street	Project No: [none]	**Reported:**
Johnson City NY, 13790	Project Manager: James Hamm	03/09/06 13:04

Analyte	Result	MCL	Units	Prepared	Analyzed	Method	Analyst	Notes
EPA 502.2 Volatile Organic Compounds (NY List)								
Benzene	<0.5	5	ug/l	03/08/06 00:00	03/08/06 00:00	EPA 502.2	CY	
Bromobenzene	<0.5	5	ug/l	03/08/06 00:00	"	"	CY	
Bromochloromethane	<0.5	5	ug/l	03/08/06 00:00	"	"	CY	
Bromomethane	<0.5	5	ug/l	03/08/06 00:00	"	"	CY	
n-Butylbenzene	<0.5	5	ug/l	03/08/06 00:00	"	"	CY	
sec-Butylbenzene	<0.5	5	ug/l	03/08/06 00:00	"	"	CY	
tert-Butylbenzene	<0.5	5	ug/l	03/08/06 00:00	"	"	CY	
Carbon tetrachloride	<0.5	5	ug/l	03/08/06 00:00	"	"	CY	
Chlorobenzene	<0.5	5	ug/l	03/08/06 00:00	"	"	CY	
Chloroethane	<0.5	5	ug/l	03/08/06 00:00	"	"	CY	
Chloromethane	<0.5	5	ug/l	03/08/06 00:00	"	"	CY	
2-Chlorotoluene	<0.5	5	ug/l	03/08/06 00:00	"	"	CY	
4-Chlorotoluene	<0.5	5	ug/l	03/08/06 00:00	"	"	CY	
Dibromomethane	<0.5	5	ug/l	03/08/06 00:00	"	"	CY	
1,2-Dichlorobenzene	<0.5	5	ug/l	03/08/06 00:00	"	"	CY	
1,3-Dichlorobenzene	<0.5	5	ug/l	03/08/06 00:00	"	"	CY	
1,4-Dichlorobenzene	<0.5	5	ug/l	03/08/06 00:00	"	"	CY	
Dichlorodifluoromethane	<0.5	5	ug/l	03/08/06 00:00	"	"	CY	
1,1-Dichloroethane	<0.5	5	ug/l	03/08/06 00:00	"	"	CY	
1,2-Dichloroethane	<0.5	5	ug/l	03/08/06 00:00	"	"	CY	
1,1-Dichloroethene	<0.5	5	ug/l	03/08/06 00:00	"	"	CY	
cis-1,2-Dichloroethene	<0.5	5	ug/l	03/08/06 00:00	"	"	CY	
trans-1,2-Dichloroethene	<0.5	5	ug/l	03/08/06 00:00	"	"	CY	
1,2-Dichloropropane	<0.5	5	ug/l	03/08/06 00:00	"	"	CY	
1,3-Dichloropropane	<0.5	5	ug/l	03/08/06 00:00	"	"	CY	
2,2-Dichloropropane	<0.5	5	ug/l	03/08/06 00:00	"	"	CY	
1,1-Dichloropropene	<0.5	5	ug/l	03/08/06 00:00	"	"	CY	
cis-1,3-Dichloropropene	<0.5	5	ug/l	03/08/06 00:00	"	"	CY	
trans-1,3-Dichloropropene	<0.5	5	ug/l	03/08/06 00:00	"	"	CY	
Ethylbenzene	<0.5	5	ug/l	03/08/06 00:00	"	"	CY	
Hexachlorobutadiene	<0.5	5	ug/l	03/08/06 00:00	"	"	CY	
Isopropylbenzene	<0.5	5	ug/l	03/08/06 00:00	"	"	CY	

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Irene Chu

Reviewed by Irene Chu, Laboratory Director

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Johnson City Water Department 44 Camden Street Johnson City NY, 13790	Project: Drinking Water Project No: [none] Project Manager: James Hamm	**Reported:** 03/09/06 13:04

502.2-VOC-TB
6B23057-04 (Trip Blank)

Date Sampled: 02/22/06 10:00
Date Received: 02/23/06 10:15

Analyte	Result	MCL	Units	Prepared	Analyzed	Method	Analyst	Notes
EPA 502.2 Volatile Organic Compounds (NY List)								
p-Isopropyltoluene	<0.5	5	ug/l	03/08/06 00:00	"	EPA 502.2	CY	
Methylene chloride	<0.5	5	ug/l	03/08/06 00:00	"	"	CY	
n-Propylbenzene	<0.5	5	ug/l	03/08/06 00:00	"	"	CY	
Styrene	<0.5	5	ug/l	03/08/06 00:00	"	"	CY	
1,1,1,2-Tetrachloroethane	<0.5	5	ug/l	03/08/06 00:00	"	"	CY	
1,1,2,2-Tetrachloroethane	<0.5	5	ug/l	03/08/06 00:00	"	"	CY	
Tetrachloroethene	<0.5	5	ug/l	03/08/06 00:00	"	"	CY	
Toluene	<0.5	5	ug/l	03/08/06 00:00	"	"	CY	
1,2,3-Trichlorobenzene	<0.5	5	ug/l	03/08/06 00:00	"	"	CY	
1,2,4-Trichlorobenzene	<0.5	5	ug/l	03/08/06 00:00	"	"	CY	
1,1,1-Trichloroethane	<0.5	5	ug/l	03/08/06 00:00	"	"	CY	
1,1,2-Trichloroethane	<0.5	5	ug/l	03/08/06 00:00	"	"	CY	
Trichloroethene	<0.5	5	ug/l	03/08/06 00:00	"	"	CY	
Trichlorofluoromethane	<0.5	5	ug/l	03/08/06 00:00	"	"	CY	
1,2,3-Trichloropropane	<0.5	5	ug/l	03/08/06 00:00	"	"	CY	
1,2,4-Trimethylbenzene	<0.5	5	ug/l	03/08/06 00:00	"	"	CY	
1,3,5-Trimethylbenzene	<0.5	5	ug/l	03/08/06 00:00	"	"	CY	
Vinyl chloride	<0.5	2	ug/l	03/08/06 00:00	"	"	CY	
m,p-Xylene	<0.5	5	ug/l	03/08/06 00:00	"	"	CY	
o-Xylene	<0.5	5	ug/l	03/08/06 00:00	"	"	CY	
Methyl tert-butyl ether	<0.5	10	ug/l	03/08/06 00:00	"	"	CY	
Surrogate: Chlorofluorobenzene (PID)		*99.0 %*		*80-120*	"	"	CY	
Surrogate: Chlorofluorobenzene (ELCD)		*100 %*		*80-120*	"	"	CY	

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