

Environment

Submitted to

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

Aeronautical Systems Center Wright-Patterson Air Force Base, Ohio Submitted by AECOM Alexandria, Virginia Project No. 60134438

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

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 Wa	asteLAN): Air Fo	orce Plant 59				
EPA ID (from WasteLAN): NY5570024641						
Region: 2	State: NY	City/County: Johnson City/Broome County				
SITE STATUS						
NPL Status: 🛛 Fina	al 🗌 Deleted 🗌 Oth	er (specify)				
Remediation Status	(choose all that ap	ply): □ Under Construction □ Operating ⊠ Complete				
Multiple OUs?	es 🖾 No	Construction Completion Date: June 1999				
Has site been put ir	nto reuse? 🛛 Yes	□ No				
REVIEW STATUS						
Lead Agency:	EPA 🗌 State 🗌 Tr	ibe 🛛 Other (United States Air Force)				
Author Name: Un	ited States Air Force	and AECOM				
Review Period: 7	/ <u>1 / 2011</u>	to <u>9 / 15 / 2011</u>				
Date(s) of Last Site	Inspection: Septe	mber 2009 (sampling for 1,4-dioxane)				
Non-NPI	Type of Review: Post-SARA Pre-SARA Non-NPL Remedial Action Site NPL State/Tribe-lead Regional Discretion					
Review Number: 🖂	1 (first) 🗌 2 (second	d) 🗌 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) □ Actual RA Start at OU#						
		V): Activities to implement the remedy at AFP 59 were initiated by the USAF a five-year review (see below).				
Due Date <i>(five years after triggering action date):</i> 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.						

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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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Appendix

Appendix A Johnson City Water Department Wellfield Data

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 μg/L μg/m ³ MCL MOU	Micrograms per Kilogram Micrograms Per Liter Micrograms per Cubic Meter Maximum Contaminant Level Memorandum of Understanding
NCP NYSDEC NYSDOH	National Oil and Hazardous Substances Pollution Contingency Plan New York State Department of Environmental Conservation New York State Department of Health
PCB PCE	Polychlorinated Biphenyl Tetrachloroethene
RA RAO RI ROD	Remedial Action Remedial Action Objective Remedial Investigation Record of Decision
SARA	Superfund Amendments and Reauthorization Act
TCA TCE	Trichloroethane Trichloroethene
USAF USGS UST	United States Air Force United States Geological Survey Underground Storage Tank
VI VOC	Vapor Intrusion Volatile Organic Compound

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: Gen	eral Chronology	of AFP 59	and Vicinity
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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. 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 (μ g/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.

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.

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.

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 μ g/L, and the 1,4-dioxane concentration in the finished water sample was 0.41J μ g/L for the normal sample and 0.28J μ g/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.

8-1

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.

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.	Ν	Ν	

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

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 μ g/L) and cis-1,2-DCE in SW7 (5.21 μ g/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 μ g/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 μ g/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.

<u>Vapor Intrusion Investigation – Manufacturing Building.</u> 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 μ g/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 Standard 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/m³). While 44 TCE indoor air detections exceeded 5 µg/m³ 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.

		Concentration of Analyte in Groundwater (µg/L)					
Well ID	Date Sampled	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

Table 8-2: Trend Analysis of VOCs in Groundwater (Continued	`
Table 0-2. Trend Analysis of VOCS in Groundwater (Continued)	,

	Date Sampled	Concentration of Analyte in Groundwater (µg/L)					
Well ID		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)	

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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

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Well ID			Concentration of Analyte in Groundwater (µg/L)					
	II ID Date Sampled		TCA	TCE	VC	1,1-DCE	1,2-DCE	1,1-DCA
SW7 (Cont'd)	'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 (c) (t) TCA TCE (1) (2)	 Micrograms p cis-1,2-Dichlo trans-1,2-Dich 1,1,1-Trichlord Trichloroether Fred C. Hart A Argonne Nation 	roethene Iloroethene oethane ne	VC 1,1-D0 1,2-D0 1,1-D0 DPW (3) (4)	CE = 1,1 CE = 1,2 CA = 1,1 = Dea = Ear	yl chloride -Dichloroethene -Dichloroethene -Dichloroethane ep production we th Tech ted States Geolo		

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

1. At monitoring well locations where a duplicate groundwater sample was collected, the higher analytical value between the Notes:

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 µg/m³ (which is well above the 1.3 µg/m³ 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 μg/m³, 1,1,1-TCA (maximum concentration of 70.9 μg/m³), PCE (maximum concentration of 8.14 mg/m³), and carbon tetrachloride (maximum concentration of 5.03 μg/m³).
- 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:
 - 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.

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/m³ (DP007 at 4 feet bgs), and 1,1,1-TCA was detected at a maximum concentration of 103,624.8 µg/m³ (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/m³ (DP018 at 4 feet bgs), 1,1-DCE was detected at a maximum concentration of 2,298.72 µg/m³ (DP007 at 4 feet bgs), and 1,1-DCA was detected at a maximum concentration of 10,518.9 µg/m³ (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 μ g/L (DP019); 1,1,1-TCA was detected in nine of ten samples, with a maximum concentration of 14.2 μ g/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 μ g/L), and 1,1-DCA (10.3 μ g/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.

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.

Issue	Recommendations/ Follow-up Actions	Party Responsible	Oversight Agency	Milestone Date	Affe Protectiven	ess? (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	Ν	Ν

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

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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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12 References

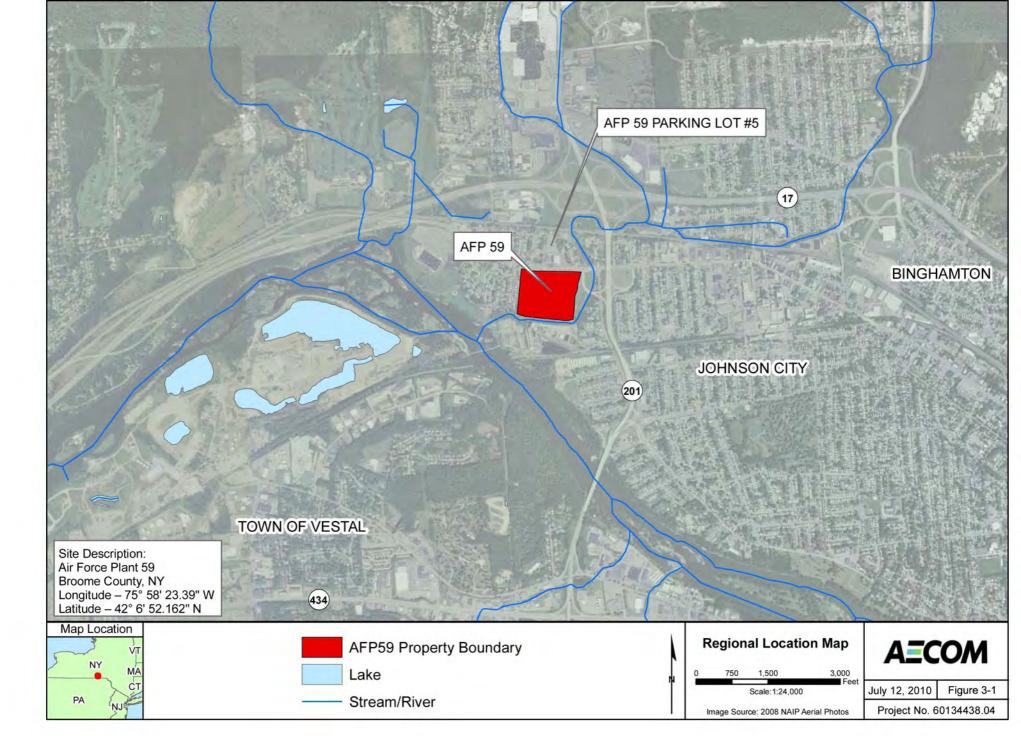
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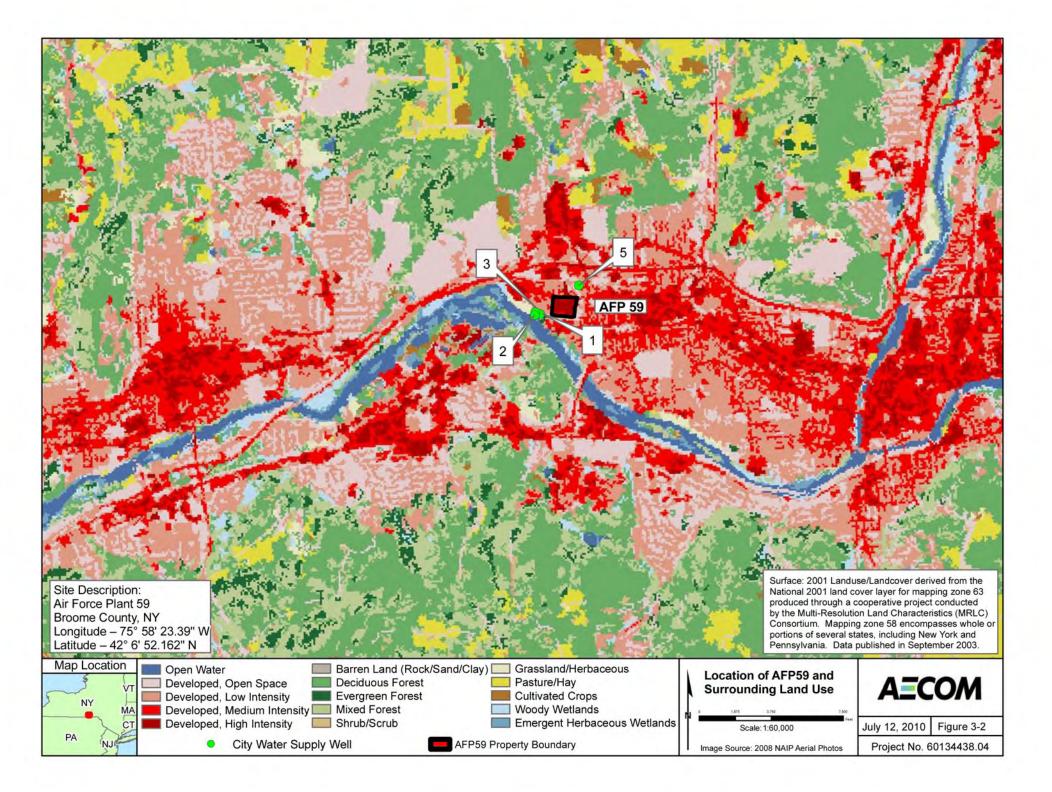
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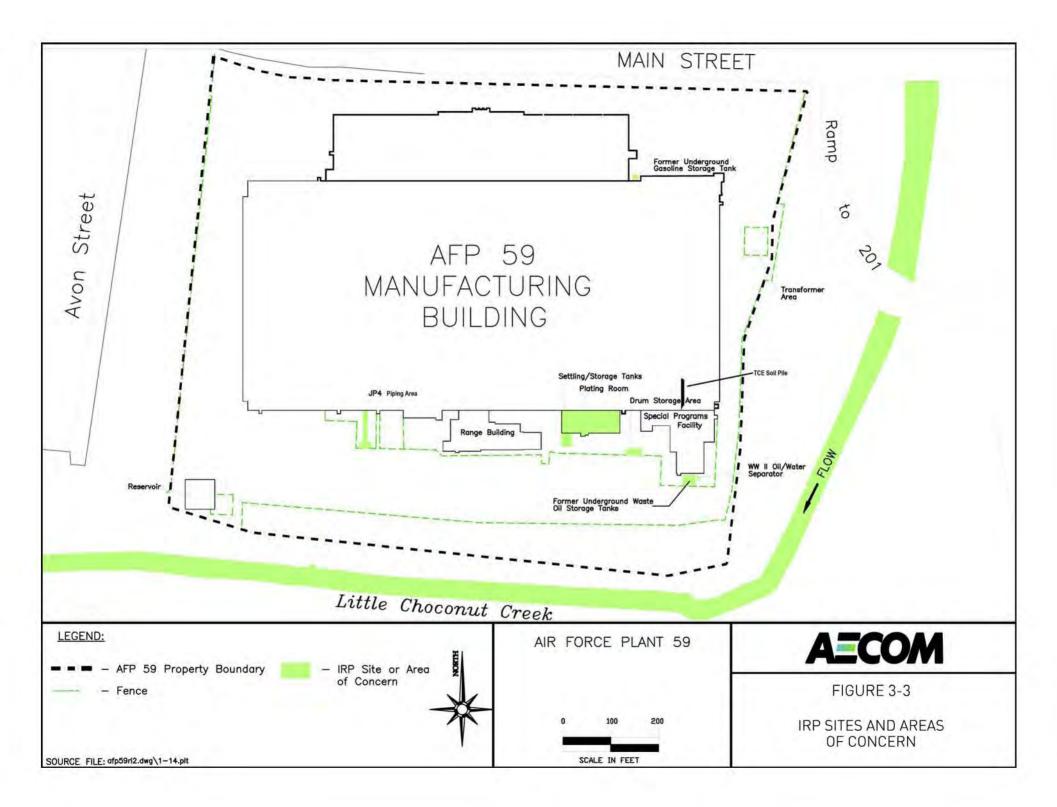
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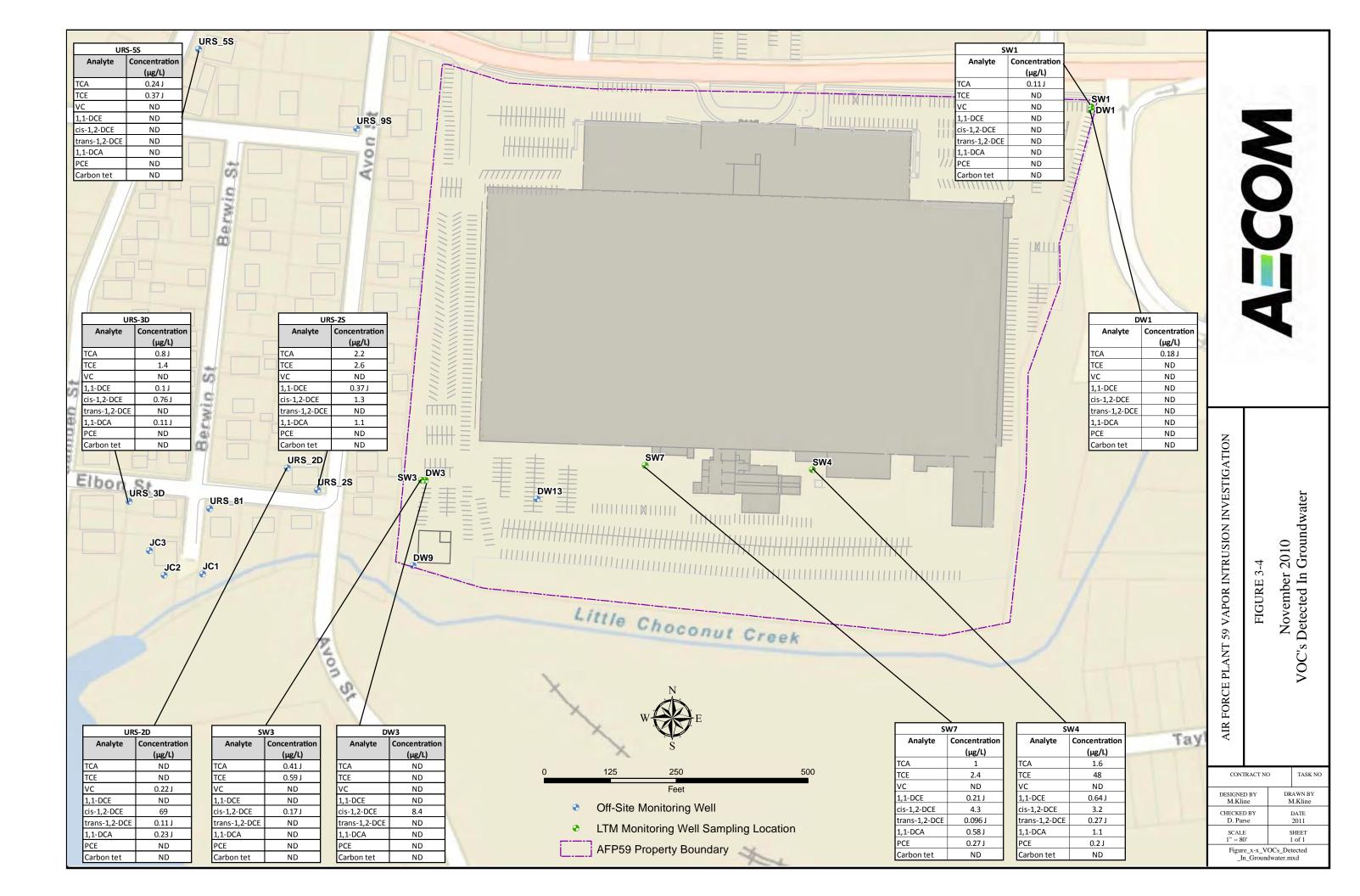
Figures

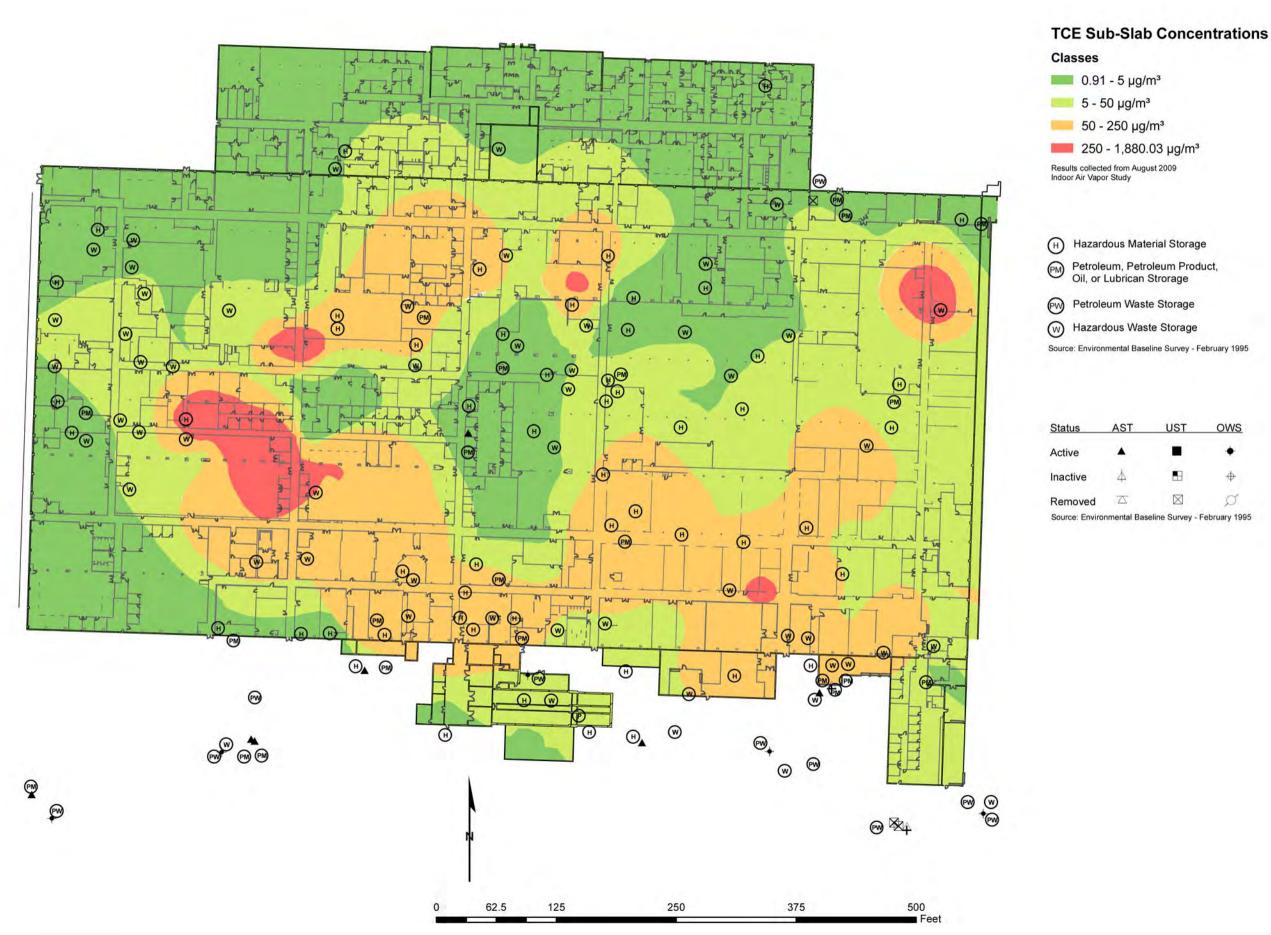
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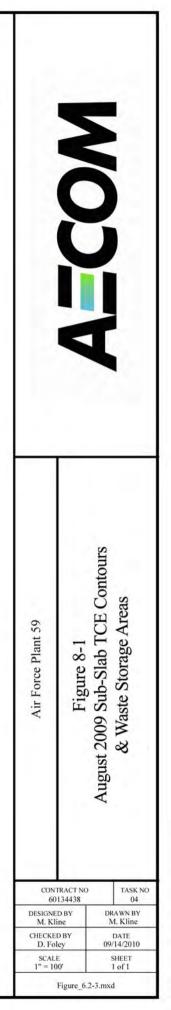


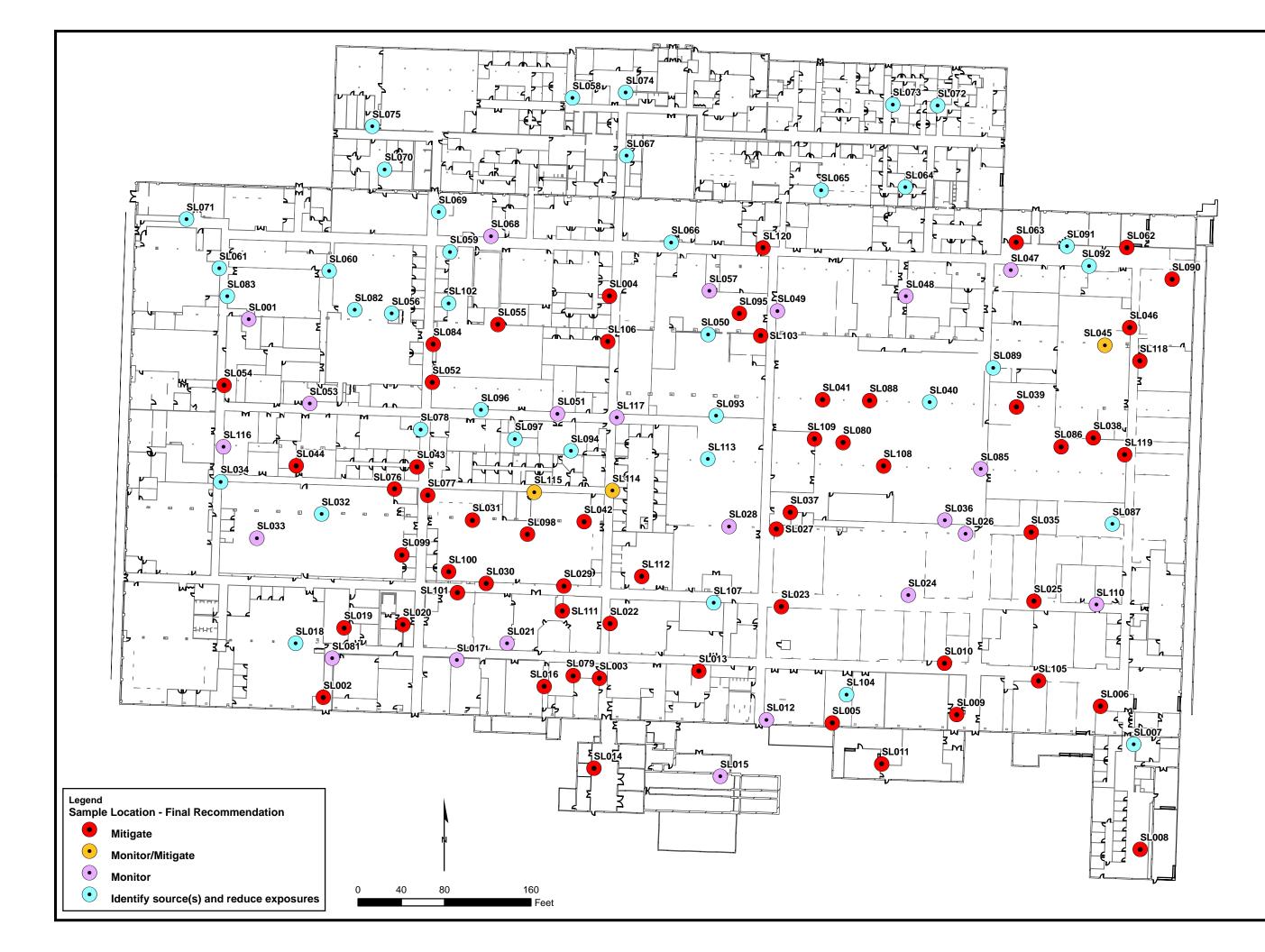


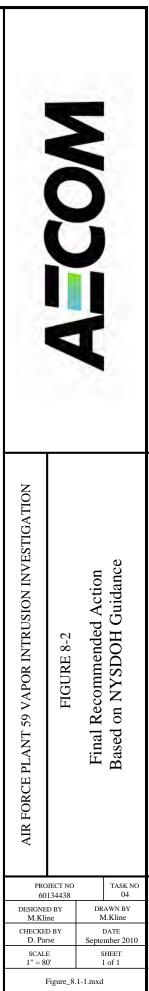












Appendix A

Johnson City Water Department Wellfield Data This page intentionally left blank.

01/20/2010 10:03 FAX 6077989175

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AB ID # 11216 AB ID # 11827	Benchmark Analytics, Inc Eastern Division 2566 Pennsylvania Ave. Sayre, PA 18840			Order: 0912	22879	
	•	70) 888-0169 70) 888-0717				
END DATA TO:					•	
AME: Brian Barker			WO#: 09122	2879		
OMPANY: Johnson City, Village	e of		PAGE: 1 of 9			
DDRESS: 44 Camden Street	2700					
Johnson City, NY 1	3790		PO#: VOUC	CHER		
HONE: (607) 797-2523 AX: 607-798-9175	TEST	REPORT	PWS ID# Broome Co. DOH			
/ells # 2, 3, 6					· · —	
ECEIVED FOR LAB BY: WCB	DATE:	2/24/2009 16:08		Pa	ge 1 of 9	
AMPLE: Well #2 Raul	water La	b ID: 09122879-001A	Grab			
SAMPLED BY: DRS		ime: 12/21/2009 9:45				
Test	Result	Method	MCL Analysis Start	Analysis End	Analyst *	
<u>Test</u> Dichlorodifluoromethene	< 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	E P A 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/	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			12/30/09 10:31	12/30/09	DN-CV	
	< 0.0005 mg/L	EPA 524.2			DNION	
Benzene	< 0.0005 mg/L	EPA 524.2	12/30/09 10:31	12/30/09	DN-CV	
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Benzene 1,2-Dichloroethane Trichloroethene 1,2-Dichloropropane Dibromomethane	< 0.0005 mg/L < 0.0005 mg/L 0.0008 mg/L < 0.0005 mg/L < 0.0005 mg/L	EPA 524.2 EPA 524.2 EPA 524.2 EPA 524.2 EPA 524.2	12/30/09 10:31 12/30/09 10:31 12/30/09 10:31 12/30/09 10:31 12/30/09 10:31	12/30/09 12/30/09 12/30/09 12/30/09 12/30/09	DN-CV DN-CV DN-CV DN-CV	
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Benzene 1,2-Dichloroethane Trichloroethene 1.2-Dichloropropane Dibromomethane Bromodichloromethane cis-1,3-Dichloropropene	< 0.0005 mg/L < 0.0005 mg/L 0.0008 mg/L < 0.0005 mg/L < 0.0005 mg/L < 0.0005 mg/L < 0.0005 mg/L	EPA 524.2 EPA 524.2 EPA 524.2 EPA 524.2 EPA 524.2 EPA 524.2 EPA 524.2	12/30/09 10:31 12/30/09 10:31 12/30/09 10:31 12/30/09 10:31 12/30/09 10:31 12/30/09 10:31 12/30/09 10:31	12/30/09 12/30/09 12/30/09 12/30/09 12/30/09	DN-CV DN-CV DN-CV DN-CV DN-CV DN-CV	
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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



01/20/2010 10:03 FAX 6077989175

LAB ID # 11216 LAB ID # 11827					Work Order: 09122879			
SEND DATA				WO#:	09122879			
NAME: COMPANY:	Brian Barker Johnson City, Village of							
ADDRESS:	44 Camden Street			PAGE:	2 of 9			
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Johnson City, NY 13790			PO#:	VOUCHER	t		
PHONE:	(607) 797-2523	TEST	REPORT	PWS ID#	Broome Co). DOH		
FAX:	607-798-9175	· · · · · · · · · · · · · · · · · · ·						
Wells # 2, 3, RECEIVED	, 6 FOR LAB BY: WCB	DATE:	2/21/2009 16 08			Paş	ge 2 of 9	
1,1,2-Tri	chloroethene	< 0.0005 mg/L	EPA 524.2	12/30/09	10:31 12/		DN-CV	
Tetrachic	proethene	< 0.0005 mg/L	EPA 524.2	12/30/09	10:31 12/3	30/09	DN-CV	
1,3-Dich	loroproparie	< 0.0005 mg/L	EPA 524.2	12/30/09			DN-CV	
Dibromo	chloromethane	< 0.0005 mg/L	EPA 524.2	12/30/09	10:31 12/3		DN-CV	
1,2-Dibro	omoethane	< 0.0005 mg/L	EPA 524.2	12/30/09	10:31 12/3		DN-CV	
Chlorobe	enzene	< 0.0005 mg/L	EPA 524.2	12/30/09	10:31 12/3		DN-CV	
1,1,1,2-1	etrachloroethane	< 0.0005 mg/L	EPA 524.2	12/30/09	10:31 12/3		DN-CV	
Ethylben	zene	< 0.0005 mg/L	EPA 524.2	12/30/09			DN-CV	
m,p-Xyle	ne	< 0.0005 mg/L	EPA 524.2	12/30/09			DN-CV	
o-Xylene	•	< 0.0005 mg/L	EPA 524.2	12/30/09	10:31 12/3	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	
Bromoto	m	< 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	12/30/08	10:31 12/3	30/09	DN-CV	
Bromobe	enzene	< 0.0005 mg/L	EPA 524.2	12/30/09	10:31 12/3	30/09	DN-CV	
1,1,2,2-T	etrachloroethane	< 0.0005 mg/L	EPA 524.2	12/30/09	10:31 12/3	30/09	DN-CV	
1,2,3-Tri	chloropropane	< 0.0005 mg/L	EPA 524.2	12/30/09	10:31 12/3	30/09	DN-CV	
n-Propyl		< 0.0005 mg/L	EPA 524.2	12/30/09	10:31 12/	30/09	DN-CV	
2-Chloro	toluene	< 0.0005 mg/L	EPA 524.2	12/30/09	10:31 12/	30/09	DN-CV	
4-Chloro	toluene	< 0.0005 mg/L	EPA 524.2	12/30/09	10:31 12/		DN-CV	
1,3,5-Tri	methylbenzene	< 0.0005 mg/L	EPA 524.2	12/30/09	10:31 12/3	30/09	DN-CV	
tert-Buty	Ibenzene	< 0.0005 mg/L	EPA 524.2	12/30/08			DN-CV	
1,2,4-Tri	methylbenzene	< 0.0005 mg/L	EPA 524.2	12/30/09			DN-CV	
sec-Buty	lbenzene	< 0.0005 mg/L	EPA 524.2	12/30/09			DN-CV	
1,3-Dich	lorobenzene	< 0.0005 mg/L	EPA 524.2	12/30/09			DN-CV	
4-Isopro	pyltoluene	< 0.0005 mg/L	EPA 524.2	12/30/09			DN-CV	
1,4-Dich	lorobenzene	< 0.0005 mg/L	EPA 524.2	12/30/08			DN-CV	
1,2-Dich	lorobenzene	< 0.0005 mg/L	EPA 524.2	12/30/09			DN-CV	
n-Butylb	enzene	< 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

48 ID # 11216 48 ID # 11827			Analytics, Inc n Division	•			
		2566 Pennsylvania Ave. Sayre, PA 18840		Work Order: 09122879			
		Phone: (570) 888-0169 Fax: (570) 888-0717					
			01000 01 11				
	Brian Barker			WO#:	0912	287 9	
	Johnson City, Village of						
	44 Camden Street			PAGE:	3 of 9	,	
	Johnson City, NY 13790			PO#:	VOU	CHER	
				PWS ID#	Broom	me Co. DOH	
	(607) 797-2523 607-798-9175	TEST	REPORT		5100		
ells # 2, 3, 6							
	OR LAB BY: WCB	DATE: 1	2/21/2009 16:08			Pa	ge 3 of 9
1,2,4-Trich	lorobenzene	< 0.0005 mg/L	EPA 524.2	12/30/09		12/30/09	DN-C
Hexachior	obutadiene	< 0.0005 mg/L	EPA 524.2	12/30/09		12/30/09	DN-CV
Naphthale		< 0.0005 mg/L	EPA 524.2	12/30/09		12/30/09	DN-CV
	lorobenzene	< 0.0005 mg/L	EPA 524.2 EPA 524.2	12/30/09 12/30/09		12/30/09 12/30/09	DN-C\ DN-C\
MTBE		< 0.0005 mg/L				12/30/08	011-01
MPLE We			b ID: 09122879-002A	Grab			
SAMPLE	D BY: DRS	Sample 1	ime: 12/21/2009 10:00	MCL			
SAMPLEI <u>Test</u>	D BY: DRS	Sample 1 <u>Result</u>	ime: 12/21/2009 10:00 <u>Method</u>	MCL Analysis	Start	Analysis End	<u>Analyst</u>
<u>Ţest</u>	D BY: DRS Ruoromethane	-		<u>Analysis</u> 12/30/09	10:31	12/30/09	DN-C\
<u>Ţest</u>	luoromethane	Result	<u>Method</u> EPA 524.2 EPA 524.2	<u>Analyşis</u> 12/30/09 12/30/09	10:31 10:31	12/30/09 12/30/09	DN-C\ DN-C\
<u>Ţest</u> Dichlorodil	luoromethane hane	<u>Result</u> < 0.0005 mg/L < 0.0005 mg/L < 0.0005 mg/L	<u>Method</u> EPA 524.2 EPA 524.2 EPA 524.2	<u>Analysis</u> 12/30/09 12/30/09 12/30/09	10:31 10:31 10:31	12/30/09 12/30/09 12/30/09	DN-CV DN-CV DN-CV
<u>Test</u> Dichlorodii Chloromet	luoromethane hane ide	<u>Result</u> < 0.0005 mg/L < 0.0005 mg/L < 0.0005 mg/L < 0.0005 mg/L	<u>Method</u> EPA 524.2 EPA 524.2 EPA 524.2 EPA 524.2	<u>Analvsis</u> 12/30/09 12/30/09 12/30/09 12/30/09	10:31 10:31 10:31 10:31	12/30/09 12/30/09 12/30/09 12/30/09	DN-CV DN-CV DN-CV DN-CV
<u>Test</u> Dichlorodil Chloromet Vinyl chlor	Ruoromethane hane ide hane	<u>Result</u> < 0.0005 mg/L < 0.0005 mg/L < 0.0005 mg/L < 0.0005 mg/L < 0.0005 mg/L	<u>Melhod</u> EPA 524.2 EPA 524.2 EPA 524.2 EPA 524.2 EPA 524.2	<u>Analvsis</u> 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09	10:31 10:31 10:31 10:31 10:31	12/30/09 12/30/09 12/30/09 12/30/09 12/30/09	DN-C\ DN-C\ DN-C\ DN-C\ DN-C\
<u>Test</u> Dichlorodif Chloromet Vinyl chlor Bromomet Chloroethe Trichloroffu	Ruoromethane hane ide hane ane uoromethane	Result < 0.0005 mg/L < 0.0005 mg/L < 0.0005 mg/L < 0.0005 mg/L < 0.0005 mg/L < 0.0005 mg/L	<u>Method</u> EPA 524.2 EPA 524.2 EPA 524.2 EPA 524.2 EPA 524.2 EPA 524.2	<u>Analvsis</u> 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09	10:31 10:31 10:31 10:31 10:31 10:31	12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09	DN-CV DN-CV DN-CV DN-CV DN-CV
<u>Test</u> Dichlorodif Chloromet Vinyl chlor Bromomet Chloroethe Trichlorofiu 1,1-Dichlor	Auoromethane hane ide hane uoromethane roethene	<u>Result</u> < 0.0005 mg/L < 0.0005 mg/L < 0.0005 mg/L < 0.0005 mg/L < 0.0005 mg/L < 0.0005 mg/L	<u>Method</u> EPA 524.2 EPA 524.2 EPA 524.2 EPA 524.2 EPA 624.2 EPA 524.2 EPA 524.2	<u>Analvsis</u> 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09	10:31 10:31 10:31 10:31 10:31 10:31 10:31	12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09	DN-CV DN-CV DN-CV DN-CV DN-CV DN-CV
<u>Test</u> Dichlorodif Chloromet Vinyl chlor Bromomet Chloroethe Trichloroft 1,1-Dichlor Mathytene	Auoromethane hane ide hane uoromethane roethene chloride	Result < 0.0005 mg/L < 0.0005 mg/L	<u>Method</u> EPA 524.2 EPA 524.2 EPA 524.2 EPA 524.2 EPA 624.2 EPA 524.2 EPA 524.2 EPA 524.2	Analysis 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09	10:31 10:31 10:31 10:31 10:31 10:31 10:31 10:31	12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09	DN-CV DN-CV DN-CV DN-CV DN-CV DN-CV DN-CV
<u>Test</u> Dichlorodif Chloromet Vinyl chlor Bromomet Chloroethe Trichloroffu 1,1-Dichlor Methylene trans-1,2-E	Auoromethane hane ide hane uoromethane roethene chloride Dichloroethene	Result < 0.0005 mg/L < 0.0005 mg/L	<u>Method</u> EPA 524.2 EPA 524.2 EPA 524.2 EPA 524.2 EPA 524.2 EPA 524.2 EPA 524.2 EPA 524.2 EPA 524.2	Analysis 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09	10:31 10:31 10:31 10:31 10:31 10:31 10:31 10:31 10:31	12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09	DN-CV DN-CV DN-CV DN-CV DN-CV DN-CV DN-CV DN-CV
<u>Test</u> Dichlorodif Chloromet Vinyl chlor Bromomet Chloroetha Trichlorofit 1,1-Dichlor Methylene trans-1,2-0 1,1-Dichlor	fluoromethane hane ide hane uoromethane roethene chloride Dichloroethene roethane	Result < 0.0005 mg/L < 0.0005 mg/L	<u>Method</u> EPA 524.2 EPA 524.2 EPA 524.2 EPA 524.2 EPA 524.2 EPA 524.2 EPA 524.2 EPA 524.2 EPA 524.2 EPA 524.2	Analysis 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09	10:31 10:31 10:31 10:31 10:31 10:31 10:31 10:31 10:31 10:31	12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09	DN-CV DN-CV DN-CV DN-CV DN-CV DN-CV DN-CV DN-CV DN-CV
<u>Test</u> Dichlorodifi Chloromet Vinyl chlor Bromomet Chloroetha Trichlorofiti 1,1-Dichlor Mathylene trans-1,2-C 1,1-Dichlor 2,2-Dichlor	Auoromethane hane ide hane uoromethane roethene chloride Dichloroethene roethane roethane	Result < 0.0005 mg/L < 0.0005 mg/L	Method EPA 524.2 EPA 524.2	Analysis 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09	10:31 10:31 10:31 10:31 10:31 10:31 10:31 10:31 10:31 10:31 10:31	12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09	DN-C\ DN-C\ DN-C\ DN-C\ DN-C\ DN-C\ DN-C\ DN-C\ DN-C\ DN-C\ DN-C\
<u>Test</u> Dichlorodifi Chloromet Vinyl chlor Bromomet Chloroetha Trichloroftu 1,1-Dichlor Mathytene trans-1,2-Di 1,1-Dichlor 2,2-Dichlor cis-1,2-Dic	Ruoromethane hane ide hane uoromethane roethene chloride Dichloroethene roethane roothane ropropane	Result < 0.0005 mg/L < 0.0005 mg/L	Method EPA 524.2 EPA 524.2 EPA 524.2 EPA 524.2 EPA 624.2 EPA 524.2 EPA 524.2 EPA 524.2 EPA 524.2 EPA 524.2 EPA 524.2 EPA 524.2 EPA 524.2 EPA 524.2	Analysis 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09	10:31 10:31 10:31 10:31 10:31 10:31 10:31 10:31 10:31 10:31 10:31	12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09	DN-C\ DN-C\ DN-C\ DN-C\ DN-C\ DN-C\ DN-C\ DN-C\ DN-C\ DN-C\ DN-C\ DN-C\ DN-C\
<u>Test</u> Dichlorodifi Chloromet Vinyl chlor Bromomet Chloroethe Trichloroffu 1,1-Dichlor Mathytene trans-1,2-D 1,1-Dichlor 2,2-Dichlor cis-1,2-Dic	Ruoromethane hane ide hane uoromethane coethene chloride Dichloroethene roethane ropropane chloroethene	Result < 0.0005 mg/L	Method EPA 524.2 EPA 524.2 EPA 524.2 EPA 524.2 EPA 624.2 EPA 524.2 EPA 524.2 EPA 524.2 EPA 524.2 EPA 524.2 EPA 524.2 EPA 524.2 EPA 524.2 EPA 524.2	Analysis 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09	10:31 10:31 10:31 10:31 10:31 10:31 10:31 10:31 10:31 10:31 10:31 10:31	12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09	DN-C\ DN-C\ DN-C\ DN-C\ DN-C\ DN-C\ DN-C\ DN-C\ DN-C\ DN-C\ DN-C\ DN-C\ DN-C\
<u>Test</u> Dichlorodifi Chloromet Vinyl chlor Bromomet Chloroetha Trichloroffu 1,1-Dichlor Mathytene trans-1,2-Dic 2,2-Dichlor cis-1,2-Dic Chloroform Bromochlo	Auoromethane hane ide hane proethane cothene chloride Dichloroethene roethane roothane copropane chloroethene	Result < 0.0005 mg/L < 0.0005 mg/L	Method EPA 524.2 EPA 524.2 EPA 524.2 EPA 524.2 EPA 624.2 EPA 524.2 EPA 524.2 EPA 524.2 EPA 524.2 EPA 524.2 EPA 524.2 EPA 524.2 EPA 524.2 EPA 524.2	Analysis 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09	10:31 10:31 10:31 10:31 10:31 10:31 10:31 10:31 10:31 10:31 10:31 10:31 10:31	12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09	DN-C\ DN-C\ DN-C\ DN-C\ DN-C\ DN-C\ DN-C\ DN-C\ DN-C\ DN-C\ DN-C\ DN-C\ DN-C\ DN-C\ DN-C\
<u>Test</u> Dichlorodifi Chlorometi Vinyl chlor Bromometi Chloroetha Trichlorofiti 1,1-Dichlor trans-1,2-D 1,1-Dichlor 2,2-Dichlor cis-1,2-Dic Chloroform Bromochlor 1,1,1-Trich	Auoromethane hane ide hane uoromethane coethene chloride Dichloroethene roethane ropropane chloroethene horoethane	Result < 0.0005 mg/L	Method EPA 524.2 EPA 524.2	Analysis 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09	10:31 10:31 10:31 10:31 10:31 10:31 10:31 10:31 10:31 10:31 10:31 10:31 10:31 10:31	12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09	DN-C\ DN-C\ DN-C\ DN-C\ DN-C\ DN-C\ DN-C\ DN-C\ DN-C\ DN-C\ DN-C\ DN-C\ DN-C\ DN-C\ DN-C\ DN-C\ DN-C\ DN-C\ DN-C\
<u>Test</u> Dichlorodifi Chloromet Vinyl chlor Bromomet Chloroetha Trichlorofitu 1,1-Dichlor 2,2-Dichlor cis-1,2-Dic Chloroform Bromochlo 1,1,1-Trich 1,1-Dichlor	Auoromethane hane ide hane uoromethane coothene chloride Dichloroethene coothane copropane hloroethene hloroethene	Result < 0.0005 mg/L < 0.0005 mg/L	Method EPA 524.2 EPA 524.2	Analysis 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09	10:31 10:31 10:31 10:31 10:31 10:31 10:31 10:31 10:31 10:31 10:31 10:31 10:31 10:31 10:31	12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09	DN-C\ DN-C\ DN-C\ DN-C\ DN-C\ DN-C\ DN-C\ DN-C\ DN-C\ DN-C\ DN-C\ DN-C\ DN-C\ DN-C\ DN-C\ DN-C\ DN-C\ DN-C\ DN-C\ DN-C\
<u>Test</u> Dichlorodifi Chlorometi Vinyl chlor Bromometi Chloroetha Trichlorofiti 1,1-Dichlor trans-1,2-D 1,1-Dichlor 2,2-Dichlor cis-1,2-Dic Chloroform Bromochlor 1,1,1-Trich	Auoromethane hane ide hane uoromethane coothene chloride Dichloroethene coothane copropane hloroethene hloroethene	Result < 0.0005 mg/L < 0.0005 mg/L	Method EPA 524.2 EPA 524.2	Analysis 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09	10:31 10:31 10:31 10:31 10:31 10:31 10:31 10:31 10:31 10:31 10:31 10:31 10:31 10:31 10:31	12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09	DN-C\ DN-C\
<u>Test</u> Dichlorodifi Chloromet Vinyl chlor Bromomet Chloroetha Trichlorofiti 1,1-Dichlor 2,2-Dichlor cis-1,2-Dic Chloroform Bromochlo 1,1,1-Trich 1,1-Dichlor Carbon tet	Auoromethane hane ide hane uoromethane roethene chloride Dichloroethene ropropane chloroethene horoethane chloroethene horoethane chloroethene horomethane ropropene rachloride	Result < 0.0005 mg/L	Method EPA 524.2 EPA 524.2	Analysis 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09	10:31 10:31 10:31 10:31 10:31 10:31 10:31 10:31 10:31 10:31 10:31 10:31 10:31 10:31 10:31 10:31	12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09	DN-CV DN-CV DN-CV DN-CV DN-CV DN-CV DN-CV DN-CV DN-CV DN-CV DN-CV DN-CV DN-CV DN-CV DN-CV DN-CV
<u>Test</u> Dichlorodifi Chloromet Vinyl chlor Bromomet Chloroetha Trichloroffu 1,1-Dichlor 2,2-Dichlor cis-1,2-Dic Chloroform Bromochlo 1,1,1-Trich 1,1-Dichlor Carbon tet Benzene	Auoromethane hane ide hane uoromethane roethene chloride Dichloroethene roethane ropropane hloroethene h romethane ropropene rachloride	Result < 0.0005 mg/L	Method EPA 524.2 EPA 524.2	Analysis 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09	10:31 10:31 10:31 10:31 10:31 10:31 10:31 10:31 10:31 10:31 10:31 10:31 10:31 10:31 10:31 10:31 10:31	12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09	DN-CV DN-CV DN-CV DN-CV DN-CV DN-CV DN-CV DN-CV DN-CV DN-CV DN-CV DN-CV DN-CV DN-CV DN-CV DN-CV DN-CV DN-CV
<u>Test</u> Dichlorodifi Chloromet Vinyl chlor Bromomet Chloroetha Trichloroffu 1,1-Dichlor 2,2-Dichlor cis-1,2-Dic Chloroform Bromochlo 1,1,1-Trich 1,1-Dichlor Carbon tet Benzene 1,2-Dichlor	Auoromethane hane ide hane uoromethane roethene chloride Dichloroethene roethane ropropane hloroethene h romethane ropropene rachloride	Result < 0.0005 mg/L	Method EPA 524.2 EPA 524.2	Analysis 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09	10:31 10:31 10:31 10:31 10:31 10:31 10:31 10:31 10:31 10:31 10:31 10:31 10:31 10:31 10:31 10:31 10:31 10:31	12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09 12/30/09	Analyst 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

RECEIVED 01-19-'10 09:06 FROM-6077989175 01/20/2010 10:03 FAX 6077989175

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6							
LAB ID # 11216 LAB ID # 11827			Analytics, Inc. n Division				
	н. Табратана (1997) Табратана (1997)	2566 Pennsylvania Ave. Sayre, PA 18840 Phone: (570) 888-0169 Fax: (570) 888-0717		Work Order: 09122879			
SEND DATA	A TO:						
NAME:	Brian Barker			WO#:	091220	379	
COMPANY:				PAGE:	4 of 9		
ADDRESS:	44 Camden Street Johnson City, NY 13790	1		DO #	VOUC		
				PO#:	VOUC		
PHONE: FAX:	(607) 797-2523 607-7 <u>98-9175</u>	TEST	REPORT	PWS ID#	Broom	e Co. DOł	
Wells # 2, 3,	, 6						
	FOR LAB BY: WCB	DATE:	12/21/2009 16:08			P.	age 4 of 9
1,2-Dichl	loropropane	< 0.0005 mg/L	EPA 524.2	12/30/09		12/30/09	DN-CV
Dibromo	methane	< 0.0005 mg/L	EPA 524.2	12/30/09		12/30/09	DN-CV
	chloromethane	< 0.0005 mg/L	EPA 524.2	12/30/09		12/30/09	DN-CV
	lichloropropene	< 0.0005 mg/L	EPA 524.2	12/30/09		12/30/09	DN-CV
Toluene		< 0.0005 mg/L	EPA 524.2	12/30/09		12/30/09	DN-CV
	-Dichloropropene	< 0.0005 mg/L	EPA 524.2	12/30/09		12/30/09	DN-CV
	chloroethane	< 0.0005 mg/L	EPA 524.2	12/30/09		12/30/09 12/30/09	DN-CV
	proethene	< 0.0005 mg/L	EPA 524.2 EPA 524.2	12/30/09 12/30/09		12/30/09	DN-CV DN-CV
	loropropane	< 0.0005 mg/L	EPA 524.2 EPA 524.2	12/30/09		12/30/09	DN-CV
-	chloromethane	< 0.0005 mg/L	EPA 524.2	12/30/09		12/30/09	DN-CV
-	omoethane	< 0.0005 mg/L	EPA 524.2 EPA 524.2	12/30/09		12/30/09	DN-CV
Chlorobe		< 0.0005 mg/L < 0.0005 mg/L	EPA 524.2	12/30/09		12/30/09	DN-CV
Ethylben	etrachloroethane	< 0.0005 mg/L	EPA 524.2	12/30/09		12/30/09	DN-CV
-		< 0.0005 mg/L	EPA 624.2	12/30/09		12/30/09	DN-CV
m,p-Xyle o-Xylene		< 0.0005 mg/L	EPA 524.2	12/30/09		12/30/09	DN-CV
Xylenes,		< 0.0005 mg/L	EPA 524.2	12/30/09		12/30/09	DN-CV
Styrene	1014	< 0.0005 mg/L	EPA 524.2	12/30/09		12/30/09	DN-CV
Bromofor	(m)	< 0.0005 mg/L	EPA 524.2	12/30/09		12/30/09	DN-CV
		< 0.0005 mg/L	EPA 524.2	12/30/09		12/30/09	DN-CV
Cumene							DN-CV
Cumene Bromobe	nzene	< 0.0005 mg/L	EPA 524.2	12/30/09	10:31	12/30/09	
Bromobe	•		EPA 524.2 EPA 524.2	12/30/09 12/30/09		12/30/09 12/30/09	DN-CV
Bromobe 1,1,2,2-T	enzene etrachioroethane chioropropane	< 0.0005 mg/L			10:31		
Bromobe 1,1,2,2-T	etrachioroethane chioropropane	< 0.0005 mg/L < 0.0005 mg/L	EPA 524.2	12/30/09	10:31 10:31	12/30/09	DN-CV
Bromobe 1,1,2,2-T 1,2,3-Tric	etrachloroethane chloropropane benzene	< 0.0005 mg/L < 0.0005 mg/L < 0.0005 mg/L	EPA 524.2 EPA 524.2	12/30/09 12/30/09	10:31 10:31 10:31	12/30/09 12/30/09	DN-CV DN-CV
Bromobe 1,1,2,2-T 1,2,3-Tric n-Propylt	etrachioroethane chioropropane penzene toluene	< 0.0005 mg/L < 0.0005 mg/L < 0.0005 mg/L < 0.0005 mg/L	EPA 524.2 EPA 524.2 EPA 524.2	12/30/09 12/30/09 12/30/09	10:31 10:31 10:31 10:31	12/30/09 12/30/09 12/30/09	DN-CV DN-CV DN-CV
Bromobe 1,1,2,2-T 1,2,3-Tric n-Propylb 2-Chlorot 4-Chlorot	etrachioroethane chioropropane penzene toluene	< 0.0005 mg/L < 0.0005 mg/L < 0.0005 mg/L < 0.0005 mg/L < 0.0005 mg/L	EPA 524.2 EPA 524.2 EPA 524.2 EPA 524.2	12/30/09 12/30/09 12/30/09 12/30/09	10:31 10:31 10:31 10:31 10:31 10:31	12/30/09 12/30/09 12/30/09 12/30/09	DN-CV DN-CV DN-CV DN-CV
Bromobe 1,1,2,2-T 1,2,3-Tric n-Propylb 2-Chlorot 4-Chlorot	etrachloroethane chloropropane penzene toluene toluene methylbenzene	< 0.0005 mg/L < 0.0005 mg/L < 0.0005 mg/L < 0.0005 mg/L < 0.0005 mg/L < 0.0005 mg/L	EPA 524.2 EPA 524.2 EPA 524.2 EPA 524.2 EPA 524.2	12/30/09 12/30/09 12/30/09 12/30/09 12/30/09	10:31 10:31 10:31 10:31 10:31 10:31	12/30/09 12/30/09 12/30/09 12/30/09 12/30/09	DN-CV DN-CV DN-CV DN-CV 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

1/7/2010 DATE:

SEND DATA TO:

NAME:

Benchmark Analytics, Inc. Eastern Division

2566 Pennsylvania Ave. Sayre, PA 18840

Phone: (570) 888-0169 Fax: (570) 888-0717 Work Order: 09083886

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

PHONE: (607) 797-2523 FAX:

ADDRESS: 44 Camden Street

Brian Barker COMPANY: Johnson City, Village of

Johnson City, NY 13790

TEST REPORT

	re Air St-ipper	00000000			Dee	e 1 of 1
ECEIVED FOR LAB BY: WCE	B DATE: 0	8/25/2009 17:00	-		1.95	c I UI I
AMPLE: Camden St. #2		b ID: 09083886-001A	Grab			
SAMPLED BY: JF	Sample 1	lime: 08/25/2009 14:05	MCL			
Test	Result	Method		Analysis Start	<u>Analysis End</u>	<u>Analyst</u>
Dichlorodifluoromethane	< 0.0005 mg/L	EPA 524.2		08/28/09 21:45	08/29/09	MTB-C
Chloromethane	< 0.0005 mg/L	EPA 524.2		08/28/09 21:45	08/29/09	MTB-C
Vinyl chloride	< 0.0005 mg/L	EPA 524.2		08/28/09 21:45	08/29/09	MTB-C
Bromomethane	< 0.0005 mg/L	EPA 524.2		08/28/09 21:45	08/29/09	MTB-C
Chloroethane	< 0.0005 mg/L	EPA 524.2		08/28/09 21:45	08/29/09	MTB-C
Trichlorofluoromethane	< 0.0005 mg/L	EPA 524.2		08/28/09 21:45	08/29/09	MTB-C
1.1-Dichloroethene	< 0.0005 mg/L	EPA 524.2		08/28/09 21:45	08/29/09	MTB-C
Methylene chloride	< 0.0005 mg/L	EPA 524.2		08/28/09 21:45	08/29/09	MTB-C
trans-1,2-Dichloroethene	< 0.0005 mg/L	EPA 524.2		08/28/09 21:45	08/29/09	MTB-C
1,1-Dichloroethane	< 0.0005 mg/L	EPA 524.2		08/28/09 21:45	08/29/09	MTB-C
2.2-Dichloropropane	< 0.0005 mg/L	EPA 524.2		08/28/09 21:45	08/29/09	MTB-C
cis-1,2-Dichloroethene	< 0,0005 mg/L	EPA 524.2		08/28/09 21:45	08/29/09	MTB-C
Bromochloromethane	< 0.0005 mg/L	EPA 524.2		08/28/09 21:45	08/29/09	MTB-C
1,1,1-Trichloroethane	0.0007 mg/L	EPA 524.2		08/28/09 21:45	08/29/09	MTB-C
1,1-Dichloropropene	< 0.0005 mg/L	EPA 524.2		08/28/09 21:45	08/29/09	MTB-C
Carbon tetrachloride	< 0.0005 mg/L	EPA 524.2		08/28/09 21:45	08/29/09	MTB-C
Benzene	< 0.0005 mg/L	EPA 524.2		08/28/09 21:45	08/29/09	MTB-C
1,2-Dichloroethane	< 0.0005 mg/L	EPA 524.2		08/28/09 21:45	08/29/09	MTB-C
Trichloroethene	0.0008 mg/L	EPA 524.2		08/28/09 21:45	08/29/09	MTB-C
1,2-Dichioropropane	< 0.0005 mg/L	EPA 524.2		08/28/09 21:45	08/29/09	MTB-C
Dibromomethane	< 0.0005 mg/L	EPA 524.2		08/28/09 21:45	08/29/09	мтв-с
	< 0.0005 mg/L	EPA 524.2		08/28/09 21:45	08/29/09	MTB-C
cis-1,3-Dichloropropene	< 0.0005 mg/L	EPA 524.2		08/28/09 21:45	08/29/09	MTB-C
Toluene	< 0.0005 mg/L	EPA 524.2		08/28/09 21:45	08/29/09	MTB-C
trans-1,3-Dichloropropene	< 0.0005 mg/L	EPA 524.2		08/28/09 21:45	08/29/09	MTB-C
1,1,2-Trichloroethane Tetrachloroethene	< 0.0005 mg/L	EPA 524.2		08/28/09 21:45	08/29/09	MTB-C

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

Analyte reported below quantitation limits J

MANAGER

DATE:

s k

9/4/2009

Benchmark Analytics, Inc. Eastern Division

2566 Pennsylvania Ave. Sayre, PA 18840

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

SEND DATA TO:

NAME:	Brian Barker	WO#:	09083886
	Johnson City, Village of 44 Camden Street	PAGE:	2 of 10
	Johnson City, NY 13790	PO#:	VOUCHER
		PWS ID#	Broome Co. DOH

PHONE: FAX:

(607) 797-2523

EIVED FOR LAB BY: WCB	DATE: 0	8/25/2009 17:00		Pa	ge 2 of 1
1.3-Dichloropropane	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	МТВ-С
1.2-Dibromoethane	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-C
Chlorobenzene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-C
1,1,1,2-Tetrachloroethane	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-C
Ethylbenzene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-C
m,p-Xylene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-C
o-Xylene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-C
Xylenes, Total	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-C
Styrene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-C
Cumene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-C
Bromobenzene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-C
1,1,2,2-Tetrachloroethane	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-C
1,2,3-Trichloropropane	< 0.0005 mg/L	EPA 524,2	08/28/09 21:45	06/29/09	MTB-C
n-Propylbenzene	< 0.0005 mg/L	EPA 524,2	08/28/09 21:45	08/29/09	MTB-C
2-Chlorotoluene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	06/29/09	MTB-C
4-Chlorotoluene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-C
1,3,5-Trimethylbenzene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-C
tert-Butylbenzene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-C
1,2,4-Trimethylbenzene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-C
sec-Butylbenzene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-C
-1.3-Dichlorobenzene	< 0.0005 mg/L	EPA 524.2	08/28/09.21:45	08/29/09	MTB-C
4-lsopropylloluene	< 0.0005 mg/L	EPA 524.2	0B/28/09 21:45	08/29/09	MTB-C
1.4-Dichiorobenzene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-C
1.2-Dichlorobenzene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-0
n-Buty/benzene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-C
1.2.4-Trichlorobenzene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-C
Hexachlorobutadiene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	мтв-с
Naphthaiene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-C
1,2,3-Trichiorobenzene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-C

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

Analyte reported below quantitation limits J

MANAGER

DATE:

9/4/2009

Work Order: 09083886

TEST REPORT

LAB ID # 11216	Eastern 2566 Penn Sayre, I Phone: (57	Senchmark Analytics, Inc. Eastern Division 2566 Pennsylvania Ave. Sayre, PA 18840 Phone: (570) 888-0169 Fax: (570) 888-0717			I C. Work Order: 09083886			
SEND DATA TO: NAME: Brian Barker			WO#:	09083	3886			
COMPANY: Johnson City, Village of	f		PAGE:	5 of 1	0			
ADDRESS: 44 Camden Street	0			VOU				
Johnson City, NY 1379	ju		PO#:	VOUC	HER			
PHONE: (607) 797-2523 FAX:	TEST	REPORT	PWS ID#	Broon	ne Co. DOH			
POC, THM & HAA testing RECEIVED FOR LAB BY: WCB	DATE: 0	8/25/2009 17:00			Pag	ge 5 of 10		
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 SAMPLED BY: JF		DID: 09083886-003A ime: 08/25/2009 14:10	Grab MCL					
Test	Result	Method	Analysis	Start	Analysis End			
Dichlorodifluoromethane	< 0.0005 mg/L	EPA 524.2	08/28/09		08/29/09	MTB-CV		
Chioromethane	< 0.0005 mg/L	EPA 524.2	08/28/09		08/29/09	MTB-CV		
Vinyl chloride	< 0.0005 mg/L	EPA 524.2	08/28/09		08/29/09	MTB-CV		
Bromomethane	< 0.0005 mg/L	EPA 524.2	08/28/09		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-C∨		
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		08/29/09	MTB-CV		
trans-1,2-Dichloroethene	< 0.0005 mg/L	EPA 524.2	08/28/09		08/29/09	MTB-CV		
1,1-Dichloroethane	< 0.0005 mg/L	EPA 524.2	08/28/09		08/29/09	MTB-CV		
2,2-Dichloropropane	< 0.0005 mg/L	EPA 524.2	08/28/09		08/29/09	MTB-CV		
cis-1,2-Dichtoroethene	< 0.0005 mg/L	EPA 524.2	08/28/09		08/29/09	MTB-CV		
Bromochloromethane	< 0.0005 mg/L	EPA 524.2	08/28/09		08/29/09	MTB-CV		
		EPA 524.2	08/28/09		08/29/09	MTB-CV		
1,1-Dichloropropene	< 0.0005 mg/L	EPA 524.2	08/28/09		08/29/09	MTB-CV		
Carbon tetrachloride	< 0.0005 mg/L	EPA 524.2	08/28/09		08/29/09 08/29/09	MTB-CV		
8enzene	< 0.0005 mg/L	EPA 524.2	08/28/09 08/28/09		08/29/09	MTB-CV MTB-CV		
1,2-Dichloroelhane	< 0.0005 mg/L	EPA 524.2	06/26/09		08/29/09	MTB-CV		
Trichloroethene	0.0010 mg/L	EPA 524.2	08/28/09		08/29/09	MTB-CV		
1,2-Dichloropropane	< 0.0005 mg/L	EPA 524.2	08/28/09		08/29/09	MTB-CV		
Dibromomethane	< 0.0005 mg/L	EPA 524.2 EPA 524.2	08/28/09		08/29/09	MTB-CV		
cls-1,3-Dichloropropene	< 0.0005 mg/L		00.2000					

REMARKS:

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Analyte reported below quantitation limits J

MANAGER

QL

DATE: 9/4/2009

Benchmark Analytics, Inc. Eastern Division

2566 Pennsylvania Ave. Sayre, PA 18840

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

SEND DATA TO:

NAME:	Brian Barker	WO#:	09083886
	Johnson City, Village of 44 Camden Street	PAGE:	6 of 10
	Johnson City, NY 13790	PO#:	VOUCHER

PHONE: FAX:

(607) 797-2523

TEST REPORT

Work Order: 09083886

PWS ID# Broome Co. DOH

RECEIVED FOR LAB BY: WCB	DATE:	08/25/2009 17:00		Pa	ige 6 of 10
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-Trichtoroethane	< 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	06/29/09	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-Chiorotoluene	< 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-Isopropyttoluene	< 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

Analyte reported below quantitation limits J

MANAGER

a y____

DATE:

LAB ID # 11216		Easter 2566 Pen Sayre, Phone: (5	Analytics, Inc n Division nsylvania Ave. PA 18840 70) 888-0169 70) 888-0717		Work	Order: 0908	33886
SEND DATA	A TO:						
NAME:	Brian Barker			WO#:	0908	3886	
COMPANY:				PAGE:	7 of 1	0	
ADDRESS:	44 Camden Street Johnson City, NY 13790	I		PO#:	VOU	CHER	
PHONE: FAX:	(607) 797-2523	TEST	REPORT	PWS ID#	Brook	ne Co. DOH	
POC, THM 8	& HAA testing						
RECEIVED	FOR LAB BY: WCB	DATE: 0	08/25/2009 17:00			Pag	e 7 of 10
1.2.4-Tri	ichlorobenzene	< 0.0005 mg/L	EPA 524.2	08/28/	9 21:45	08/29/09	MTB-CV
	orobutadiene	< 0.0005 mg/L	EPA 524.2	08/28/	09 21:45	08/29/09	MTB-CV
Naphtha	lene	< 0,0005 mg/L	EPA 524.2	08/28/	9 21:45	08/29/09	MTB-CV
-	ichlorobenzene	< 0.0005 mg/L	EPA 524.2		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
	000 Reynolds Ave. ED BY: JF	_	ab ID: 09083886-004A Time: 08/25/2009 14:35	Grab <u>MCL</u>			
Test		Result	Method		sis Start	<u>Analysis End</u>	
Chlorofo		0.0012 mg/L	EPA 502.2	-0:08 08/28	09 9:47	08/28/09	KAL-SA
Bromodi	ichloromethane	0.0057 mg/L	EPA 502.2	0.08 08/28	09 9:47	08/28/09	KAL-SA
	ibromomethane	0.0150 mg/L	EPA 502.2	0.08 08/28	09 9:47	08/28/09	KAL-SA
Bromofo	m	0.0158 mg/L	EPA 502.2	0.08 08/28	09 9:47	08/28/09	KAL-SA
- · ·	ihalomethanes	0.0377 mg/L	EPA 502.2	0.08 08/28	09 9:47	08/28/09	KAL-SA
SAMPLE: 1	000 Reynolds Ave.		sb ID: 09083886-004B	Grab			
	LED BY: JF	Sample	Time: 08/25/2009 14:35				
T		Result	Method	MCL Analy	sis <u>Start</u>	Analysis End	<u>Analyst *</u>
<u>Test</u> Tetal He	aloacetic Acids	0.0063 mg/L	EPA 552.2		09 7:40	09/03/09	ASC-CV
		=	J EPA 552.2	0.06 09702	(09 7:40	09/03/09	ASC-CV
	Noroacetic acid	< 0.0010 mg/L	EPA 552.2		09 7:40	09/03/09	ASC-CV
		0.0010 mg/L	EPA 552.2		/09 7:40	09/03/09	ASC-CV
	pacetic acid	< 0.0010 mg/L	EPA 552.2		/09 7:40	09/03/09	ASC-CV
	Dacetic acid	0.0039 mg/L	EPA 552.2	0.06 09/02	/09 7:40	09/03/09	ASC-CV
		 L	ab ID: 09083886-005A	Grab			
SAMPLE: P	LED BY: SK		Time: 08/13/2009 10:00				
CAMUN				<u>Reg</u> Limit Analy	sis Start	Analysis End	Analyst *
SAMPL			Method	<u>Limit</u> Analy			
Test		<u>Result</u>			09 21 45	08/29/09	MTB-CV
Test	t odifluoromethane	<u>Result</u> < 0.0005 mg/L < 0.0005 mg/L	EPA 524.2 EPA 524.2	08/28/	09 21:45 09 21:45	08/29/09 08/29/09	MTB-CV MTB-CV

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

Analyte reported below quantitation limits 1

MANAGER

αı

DATE: ____

9/4/2009

Benchmark Analytics, Inc. **Eastern Division**

2566 Pennsylvania Ave. Sayre, PA 18840

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

SEND DATA TO:

Brian Barker	WO#:	09083886
	PAGE:	8 of 10
	PO#:	VOUCHER
	Brian Barker Johnson City, Village of 44 Camden Street Johnson City, NY 13790	Brian BarkerWO#:Johnson City, Village ofPAGE:44 Camden StreetPAGE:

(607) 797-2523 PHONE:

POC, THM & HAA testing

TEST REPORT

FAX:

Work Order: 09083886

PWS ID# Broome Co. DOH

EIVED FOR LAB BY: WCB	DATE: (8/25/2009 17:00		Pa	ge 8 of 1
Vinyl chloride	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-C
Bromomethane	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-C
Chloroethane	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	МТВ-С
Trichlorofluoromethane	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-C
1.1-Dichloroethene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-C
Methylene chloride	0.0006 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-(
trans-1,2-Dichloroethene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-0
1.1-Dichioroethane	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-(
2.2-Dichloropropane	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-0
cis-1,2-Dichloroethene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-0
Bromochloromethane	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-(
1.1.1-Trichloroethane	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-
1,1-Dichloropropene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-
Carbon tetrachloride	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-
Benzene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MT8-
1 2-Dichloroethane	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-
Trichlorgethene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-
1.2-Dichloropropane	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-
Dibromomethane	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-
cis-1.3-Dichloropropene	< 0,0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-
Toluene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	— МТВ-
trans-1,3-Dichloropropene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-
1.1.2-Trichloroethane	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-
Tetrachloroethene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-
1,3-Dichloropropane	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-
1,2-Dibromoethane	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-
Chlorobenzens	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-
1,1,1,2-Tetrachloroethane	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-
Ethylbenzene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-
PULLIPULL	-				

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

Analyte reported below quantitation limits J

MANAGER

DATE

9/4/2009

Benchmark Analytics, Inc. Eastern Division

2566 Pennsylvania Ave. Sayre, PA 18840

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

SEND DATA TO:

NAME:	Brian Barker	WO#:	09083886
	Johnson City, Village of	PAGE:	9 of 10
	44 Camden Street Johnson City, NY 13790	PO#:	VOUCHER

PHONE:

(607) 797-2523

TEST REPORT

FAX:

EIVED FOR LAB BY: WCB	DATE: 0	8/25/2009 17:00		Pa	ge 9 of 1
m,p-Xylene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-C
o-Xylene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-C
Xylenes, Total	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MT8-C
Styrene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-C
Cumene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-C
Bromobenzene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-C
1,1,2,2-Tetrachloroethane	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-C
1,2,3-Trichloropropane	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-C
n-Propylbenzene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-C
2-Chiorotoluene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-C
4-Chiorotoluene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-C
1,3,5-Trimethylbenzene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-C
tert-Butylbenzene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-C
1,2,4-Trimethylbenzene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-C
sec-Butylbenzene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-C
1.3-Dichlorobanzene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	МТВ-О
4-isopropyitoluene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	мтв-с
1,4-Dichlorobenzene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-(
1,2-Dichlorobenzene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-0
n-Butylbenzene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-0
1.2.4-Trichlorobenzene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09-	-MTB-(
Hexachiorobutadiene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-0
Naphthalene	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-0
	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-0
1,2,3-Trichlorobenzene MTBE	< 0.0005 mg/L	EPA 524.2	08/28/09 21:45	08/29/09	MTB-C

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

Analyte reported below quantitation limits J

MANAGER

.....

DATE

9/4/2009

Work Order: 09083886

-----PWS ID# Broome Co. DOH

Benchmark Analytics, Inc. Eastern Division

2566 Pennsylvania Ave. Sayre, PA 18840

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

TEST REPORT

SEND DATA TO:

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

WO#:	09052310
PAGE:	1 of 6

PO#: VOUCHER

PWS ID# BROOME COUNTY DOH

Work Order: 09052310

PHONE: FAX:

POC Testing

DATE: 05/18/2009 16:29 RECEIVED FOR LAB BY: DLM2 Page 1 of 6 SAMPLE: Camden St. 🕯 Lab ID: 09052310-001A Grab SAMPLED BY: TMB Sample Time: 05/18/2009 13:00 MCL Result Method Analysis Start Analysis End Analyst* Test EPA 524.2 0.005 05/27/09 12:01 05/27/09 < 0.0005 mg/L RHH-SA 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 0.002 05/27/09 12:01 05/27/09 Vinyl chloride EPA 524.2 RHH-SA Bromomethane < 0.0005 mg/L EPA 524.2 0.005 05/27/09 12:01 05/27/09 RHH-SA < 0.0005 mg/L EPA 524.2 0.005 05/27/09 12:01 05/27/09 **RHH-SA** Chloroethane 05/27/09 12:01 05/27/09 < 0.0005 mg/L EPA 524.2 0.005 Trichlorofluoromethane RHH-SA RHH-SA 1.1-Dichlcroethene < 0.0006 mg/L EPA 524.2 0.007 05/27/09 12:01 05/27/09 Methylene chloride < 0.0005 mg/L EPA 524.2 0.005 05/27/09 12:01 05/27/09 RHH-SA 05/27/09 12:01 05/27/09 < 0.0005 mg/L EPA 524.2 0.1 trans-1,2-Dichloroethene RHH-SA 1 1-Dichloroethane < 0.0005 mg/L EPA 524.2 0.005 05/27/09 12:01 05/27/09 RHH-SA S 0.005 05/27/09 12:01 05/27/09 2,2-Dichlcropropane < 0.0005 mg/L EPA 524.2 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 < 0.0005 mg/L EPA 524.2 0.005 05/27/09 12:01 05/27/09 Bromochloromethane RHH-SA 05/27/09 12:01 1,1,1-Trichloroethane < 0.0005 mg/L EPA 524.2 0.2 05/27/09 RHH-SA < 0.0005 mg/L EPA 524.2 0.005 05/27/09 12:01 05/27/09 RHH-SA 1.1-Dichloropropene S Carbon tetrachloride < 0.0005 mg/L EPA 524.2 0.005 05/27/09 12:01 05/27/09 RHH-SA 0.005 < 0.0005 mg/L EPA 524.2 05/27/09 12:01 05/27/09 **RHH-SA** Benzene <_0.0005 mg/L EPA 624.2 0.005 05/27/09 12:01 05/27/09 1.2-Dichloroethane RHH-SA 0.0005 mg/L EPA 524.2 0.005 05/27/09 12:01 05/27/09 Trichloroethene RHH-SA < 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 Dibromomethane RHH-SA 05/27/09 12:01 < 0.0005 mg/L EPA 624.2 0.005 05/27/09 cis-1,3-Dichloropropene RHH-SA < 0.0005 mg/L EPA 524.2 1 05/27/09 12:01 05/27/09 **RHH-SA** Toluene 0.005 < 0.0005 mg/L S EPA 524.2 05/27/09 12:01 05/27/09 **RHH-SA** trans-1,3-Dichloropropene < 0.0005 mg/L EPA 524.2 0.005 05/27/09 12:01 05/27/09 1,1,2-Trichloroethane RHH-SA 0.005 05/27/09 12:01 Tetrachioroethene < 0.0005 mg/L EPA 524.2 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

6077989175



MANAGER

RECEIVED 01-19-110 14:28 FROM-

5/28/2009 DATE: T0-Broome Co.Env.Health P002/009

Page 2 of 6

LAB ID # 11216

Benchmark Analytics, Inc. Eastern Division

2566 Pennsylvania Ave. Sayre, PA 18840

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

SEND DATA TO:

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

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

Work Order: 09052310

TEST REPORT

PHONE: FAX:

POC Testing

RECEIVED FOR LAB BY: DLM2

DATE: 05/18/2009 16:29

05/27/09 RHH-SA EPA 524.2 0.005 05/27/09 12:01 < 0.0005 mg/L 1,3-Dichloropropane 05/27/09 RHH-SA 05/27/09 12:01 EPA 524.2 0.1 < 0.0005 mg/L Chlorobenzene 0.005 05/27/09 12:01 05/27/09 RHH-SA < 0.0005 mg/L EPA 524.2 1,1,1,2-Tetrachloroethane EPA 524.2 0.7 05/27/09 12:01 05/27/09 RHH-SA < 0.0006 mg/L Ethylbenzene 05/27/09 12:01 05/27/09 RHH-SA < 0.0005 mg/L EPA 524.2 10 m,p-Xylene 05/27/09 RHH-SA 10 05/27/09 12:01 EPA 524.2 o-Xylene < 0.0005 mg/L 05/27/09 RHH-SA EPA 524.2 0.1 05/27/09 12:01 < 0.0005 mg/L Styrene 0.005 05/27/09 RHH-SA 05/27/09 12:01 < 0.0005 mg/L EPA 524.2 Isopropylbenzene EPA 524.2 0.005 05/27/09 12:01 05/27/09 RHH-SA < 0.0005 mg/L Bromobenzene 05/27/09 12:01 05/27/09 RHH-SA EPA 524.2 0.005 < 0.0005 mg/L 1,1,2,2-Tetrachloroethane 0.005 06/27/09 12:01 05/27/09 RHH-SA < 0.0005 mg/L EPA 524.2 1,2,3-Trichloropropane 0.005 05/27/09 12:01 05/27/09 RHH-SA EPA 524.2 < 0.0005 mg/L n-Propylbenzene 05/27/09 RHH-SA < 0.0005 mg/L EPA 524.2 0.005 05/27/09 12:01 2-Chlorotoluene EPA 524.2 0.005 05/27/09 12:01 05/27/09 RHH-SA < 0.0005 mg/L 4-Chlorotoluene 0.005 05/27/09 12:01 05/27/09 RHH-SA EPA 524.2 < 0.0005 mg/L 1,3,5-Trimethylbenzene 05/27/09 12:01 05/27/09 RHH-SA 0.005 EPA 524.2 < 0.0005 mg/L tert-Bulylbenzene 05/27/09 RHH-SA 0.005 05/27/09 12:01 EPA 524.2 1,2,4-Trimethylbenzene < 0.0005 mg/L EPA 524.2 0.005 05/27/09 12:01 05/27/09 RHH-SA < 0.0005 mg/L sec-Butylbenzene 0.005 05/27/09 12:01 05/27/09 RHH-SA < 0.0005 mg/L EPA 524.2 1,3-Dichlorobenzene EPA 524.2 0.005 05/27/09 12:01 05/27/09 RHH-SA < 0.0005 mg/L 4-Isopropyltoluene 05/27/09 0.075 RHH-SA EPA 524.2 05/27/09 12:01 1,4-Dichlorobenzene < 0.0005 ma/L 05/27/09 0.6 05/27/09 12:01 RHH-SA < 0.0005 mg/L EPA 524.2 1,2-Dichlorobenzene 05/27/09 S EPA 524.2 0.005 05/27/09 12:01 RHH-SA < 0.0005 mg/L n-Butylbenzene 05/27/09 12:01 05/27/09 RHH-SA S EPA 524.2 0.07 < 0.0005 mg/L 1,2,4-Trichlorobenzene 05/27/09 EPA 524.2 0.005 05/27/09 12:01 RHH-SA Hexachlorobutadiene < 0.0005 mg/L 05/27/09 s EPA 524.2 0.005 05/27/09 12:01 RHH-SA < 0.0005 mg/L 1,2,3-Trichlorobenzene 05/27/09 12:01 05/27/09 s 0.05 RHH-SA < 0.0006 mg/L EPA 524.2 MTBE

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

RECEIVED 01-19-'10 14:28 FROM- 6077989175

DATE: 5/28/2009 TO- Broome Co.Env.Health P003/009

LAB ID # 11216	Easter 2566 Pen Sayre	Analytics, In The Division Insylvania Ave. PA 18840 570) 888-0169	IC.	Wo	rk Order: 080	52535
	•	570) 888-0717				
SEND DATA TO:						
NAME: Brian Barker			W	O#: 08	052535	
	Water Department					
ADDRESS: 44 Camden S	Street		PA	AGE: 1 o	of 6	
Johnson City,	NY 13790		PC	D#:		
PHONE: (607) 797-25 FAX: (607) 798-97	923	REPORT	PV	NSID# BF		
		· · · · ·				<u> </u>
		05400000 40-50			р	
RECEIVED FOR LAB BY: [05/19/2008 16:50			r	age 1 of 6
SAMPLE: Camden Street	Well #2 1	ab ID: 08052535-001A	Grab			
SAMPLED BY: TMB	NaW Sample	Time: 05/19/2008 9:45				
Test	Result	Method	MCL	Analysis Sta	rt Analysis End	Analyst*
Dichlorodifluoromethane	< 0.0005 mg/L	EPA 524.2	0.005	05/21/08 21:		RHH-SA
Chloromethane	< 0.0005 mg/L	EPA 524.2	0.005	05/21/08 21:	05/22/08	RHH-SA
Vinyl chloride	< 0.0005 mg/L	EPA 524.2	0.002	05/21/08 21:	05/22/08	RHH-SA
Bromomethane	< 0.0005 mg/L	EPA 524.2	0.005	05/21/08 21:	05/22/08	RHH-SA
Chloroethane	< 0.0005 mg/L	EPA 524.2	0.005	05/21/08 21:	05/22/08	RHH-SA
Trichlorofluoromethane	< 0.0005 mg/L	EPA 524.2	0.005	05/21/08 21:	05/22/08	RHH-SA
1,1-Dichloroethene	< 0.0005 mg/L	EPA 524.2	0.007	05/21/08 21:	05/22/08	RHH-SA
Methylene chloride	< 0.0005 mg/L	EPA 524.2	0.005	05/21/08 21:	05/22/08	RHH-SA
trans-1,2-Dichloroethene	< 0.0005 mg/L	EPA 524.2	0.1	05/21/08 21:	05/22/08	RHH-SA
1,1-Dichloroethane	< 0.0005 mg/L	EPA 524.2	0.005	05/21/08 21:	05/22/08	RHH-SA
2,2-Dichloropropane	< 0.0005 mg/L	EPA 524.2	0.005	05/21/08 21:	05/22/08	RHH-SA
cls-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:	05/22/08	RHH-SA
1,1,1-Trichloroethane	0.0006 mg/L	EPA 524.2	0.2	05/21/08 21:		RHH-SA
1,1-Dichloropropene	< 0.0005 mg/L	EPA 524.2	0.005	05/21/08 21:		RHH-SA
Carbon tetrachlonde	< 0.0005 mg/L	EPA 524.2	0.005	05/21/08 21:		RHH-SA
Benzene	< 0.0005 mg/L	EPA 524.2	0.005	05/21/08 21:		RHH-SA
1,2-Dichloroethane	< 0.0005 mg/L	EPA 524.2	0.005	05/21/08 21:		RHH-SA
Trichloroethene	0.0006 mg/L	EPA 524.2	0.005	05/21/08 21:		RHH-SA
1,2-Dichloropropane	< 0.0005 mg/L	EPA 524.2	0.005	05/21/08 21:		RHH-SA
• •		EPA 524,2	0.005	05/21/08 21:		RHH-SA
Dibromomethane	< 0.0005 mg/L					RHH-SA
Dibromomethane cls-1,3-Dichloropropene	< 0.0005 mg/L	EPA 524,2	0.005	05/21/08 21:		
Dibromomethane cls-1,3-Dichloropropene Toluene	< 0.0005 mg/L < 0.0005 mg/L	EPA 524.2	1	05/21/08 21:	04 05/22/08	RHH-SA
Dibromomethane cis-1,3-Dichloropropene Toluene trans-1,3-Dichloropropene	< 0.0005 mg/L < 0.0005 mg/L < 0.0005 mg/L	EPA 524.2 EPA 524.2	1 0.005	05/21/08 21: 05/21/08 21:	04 05/22/08 04 05/22/08	RHH-SA RHH-SA
Dibromomethane cls-1,3-Dichloropropene Toluene	< 0.0005 mg/L < 0.0005 mg/L	EPA 524.2	1	05/21/08 21:	04 05/22/08 04 05/22/08 04 05/22/08	RHH-SA

* 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 _

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Cht alf

DATE:

5/23/2008

Benchmark Analytics, Inc. Eastern Division

2566 Pennsylvania Ave. Sayre, PA 18840

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

SEND DATA TO:

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

TEST REPORT

Work Order: 08052535

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

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

VOC

RECEIVED FOR LAB BY: DLM2

DATE: 05/19/2008 16:50

Page 2 c	ıt	Ô.	
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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-Xylena	< 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-Trichiorobenzene	< 0.0005 mg/L	EPA 524.2	0.005	05/21/08 21:04	05/22/08	RHH-SA
МТВЕ	< 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

Benchmark Analytics, Inc. Eastern Division

2566 Pennsylvania Ave. Sayre, PA 18840

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

SEND DATA TO:

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

TEST REPORT

Work Order: 08052535

Page 5 of 6

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

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

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	<u>Analysis End</u>	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	в	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	05/2 2/08	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

в Analyte detected in the associated Method Blank

s Spike Recovery outside accepted recovery limits

MANAGER

-alfa

DATE:

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
 WO#:
 08052535

 NAME:
 Johnson City Water Department
 PAGE:
 6 of 6

 ADDRESS:
 44 Camden Street
 PO#:
 PO#:

 Johnson City, NY 13790
 PO#:
 PWS ID#
 BROOME COUNTY DOH

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

VOC

RECEIVED FOR LAB BY: DLM2

DATE: 05/19/2008 16:50

	D/(1 C)	001012000 10100				
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-\$A
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
Isaprapylbenzene	< 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-\$A
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-Propylbenzené	< 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-Trimethylbanzana	< 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-Butylbanzene	< 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-isopropyitoluene	< 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:

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- B Analyte detected in the associated Method Blank
- S Spike Recovery outside accepted recovery limits

MANAGER

Chtay

DATE: 5/23/2008

Page 6 of 6

RECEIVED

NOV 1 9 2007

Report Date: 13-Nov-07

BROOME COUNTY HEALTH DEPARTMENT Lab Log No: 0710429

CLIENT:	44 CAMDEN ST	HNSON CITY WATER DEPT CAMDEN STREET HNSON CITY, NY 13790			Client Sample (D: WELL #3 Sampled By: D.T. Collection Date: 10/15/07 8:45:00 AM				
Project:				Received at Lab: 10/15/07					
Lab ID: 0710429-02				M					
Analyses		CAS	DF	PQL	Result	Units	Qual		
PART 5 POC	S BY EPA 524		Analyst: CMC	Analysis	a Date: Oct 16, 2007 7:	03 pm			
1,1,1,2-Tetrachloro	bethane	630-20-6	1	0.50	ND	ug/L			
1,1,1-Trichloroetha	ine	71-55-6	1	0.50	0.98	ug/L			
1,1,2,2-Tetrachloro	bethane	79-34-5	1	0.50	ND	ug/L			
1,1,2-Trichloroetha	ne	79-00-5	1	0.50	ND	ug/L			
1,1-Dichloroethane)	75-34-3	1	0.50	ND	ug/L			
1,1-Dichloroethene	9	75-35-4	1	0.50	ND	ug/L			
1,1-Dichloropropen	10	563-58-6	1	0.50	ND	ug/L			
1,2,3-Trichlorobenz	zene	87-61-6	1	0.50	ND	ug/L			
1,2,3-Trichloroprop	ane	96-18-4	1	0,50	ND	ug/L			
1,2,4-Trichlorobenz	zene	120-82-1	1	0.50	ND	ug/L			
1,2,4-Trimethylben	zene	95-63-6	1	0.50	ND	ug/L			
1,2-Dibromo-3-chic	propropane	96-12-8	1	0.50	ND	ug/L			
1,2-Dibromoethane)	106-93-4	1	0.50	ND	ug/L			
1,2-Dichlorobenzer	ne	95-50-1	1	0.50	ND	ug/L			
1,2-Dichloroethane	1	107-06-2	1	0.50	ND	ug/L			
1,2-Dichloropropan	e	78-87-5	1	0,50	ND	ug/L			
1,3,5-Trimethylben:	zene	108-67-6	1	0.50	ND	ug/L			
1,3-Dichlorobenzer	10	541-73-1	1	0.50	ND	ug/L			
1,3-Dichloropropan	e	142-28-9	1	0.50	ND	ug/L			
1,4-Dichlorobenzer	ne	106-46-7	1	0.50	ND	ug/L			
2,2-Dichloropropan	e	590-20-7	1	0.50	ND	ug/L			
2-Chlorotoluene		95-49-8	1	0.50	ND	ug/L			
4-Chiorotoluene		106-43-4	1	0,50	ND	ug/L			
Benzene		71-43-2	1	0.50	ND	ug/L			
Bromobenzene		106-86-1	1	0.50	ND	ug/L			
Bromochlorometha	ne	74-97-5	1	0.50	ND	ug/L			
Bromodichlorometh	ane	75-27-4	1	0.50	ND	ug/L			
Bromoform		7 5-2 5-2	1	0.50	ND	ug/L			
Bromomethane		74-83-9	1	0.50	ND	ug/L			
Carbon tetrachlorid	e	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			
						-			

This laboratory enalysis 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 euthorized signature is included on the cover letter.

NYSDOH ELAP #10795

PADEP #68-01385 POB 5150, Cortland, NY 13045-5150 Tel 607.753.3403 Fax 607.753.3415

EPA LAB ID #NY00935

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NOV 1 9 2007



BROOME COUNTY HEALTH DEPARTMENT Report Date: 13-Nov-07 Lab Log No: 0710429

_____ ·

	JOHNSON CIT	Y WATER DEP	ſ		ple ID: WELL #3				
				Sampled By: D.T. Collection Date: 10/15/07 8:45:00 AM					
	JOHNSON CIT	Y, NY 13790							
Project:					Received at Lab: 10/15/07				
Lab ID:	0710429-02			N	latrix: DRINKING W	ALER			
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			
sopropylbenzene		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-Bulvibenzene		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-isopropyitoluene		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-Bulylbenzene		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	2	158-80-5	1	0,50	ND	ug/L			
trans-1,3-Dichloroproper		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-Dichloroben:	zone.d4	3855-82-1	1	75-125	90.2	%REC			
Surr: 4-Bromofluorobe		460-00-4	1	65-132	92.2	%REC			

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NYSDOH ELAP #10795

PADEP #68-01385 POB 5150, Cortland, NY 13045-5150 Tel 607.753.3403 Fax 607.753.3415

Dama C of 12

EPA LAB ID #NY00935

NOV 1 9 2007

Microbac

BROOME COUNTY HEALTH DEPARTMENT Report Date: 13-Nov-07 Lab Log No: 0710429

	JOHNSON CIT 44 CAMDEN S		PT	-	ble ID: WELL #2, R e d By: D.T.	AW	
	JOHNSON CIT	Y, NY 13790	Collection Date: 10/15/07 8:50:00 AM				
Project:					Lab: 10/15/07		
-	0710429-03						
				Matrix: DRINKING WATER			
Analyses		CAS	DF	PQL	Result	Units	Qual
PART 5 POC'S BY	EPA 524		Analyst: CMC	Analysis I	Date: Oct 16, 2007 7:	38 pm	
1,1,1,2-Tetrachloroethane	9	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-Tetrachloroethand	e	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-Dichtoropropene		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-chloroprop	ane	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		107-08-2	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	11	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	
Bromodichioromethane		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	

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.

NYSDOH ELAP #10795

PADEP #68-01385 POB 5150, Cortland, NY 13045-5150 Tel 607.753.3403 Fax 607.753.3415

7 (40

EPA LAB ID #NY00935



NOV 1 9 2007

Report Date: 13-Nov-07

Lab Log No: 0710429

BROOME COUNTY HEALTH DEPARTMENT

CLIENT:	JOHNSON CITY WATER DEPT 44 CAMDEN STREET JOHNSON CITY, NY 13790			Sampl	ple ID: WELL #2, RA ed By: D.T.		
JOHNSON Project: Lab ID: 0710429-03		Y, NY 13790		Collection Received at M	00 AM ATER		
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-Bulyibenzene		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-Isopropyitoluene		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-Dichloropropen	e	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-Dichlorobenze	ene-d4	3855-82-1	1	75-125	89.2	%REC	
Surr: 4-Bromofluorober		460-00-4	1	65-132	89.4	%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.

NYSDOH ELAP #10795

PADEP #68-01385 POB 5150, Cortland, NY 13045-5150

Tel 607.753.3403 Fax 607.753.3415

EPA LAB ID #NY00935

Dago 9 of 12

NOV 1 9 2007



BROOME COUNTY Report Date: 13-Nov-07 HEALTH DEPARTMENT Lab Log No: 0710429

	JOHNSON CIT 44 CAMDEN ST		PT		de ID: DISTRIBUTI d By: D.T.	ION	
	JOHNSON CITY, NY 13790			Collection Date: 10/15/07 8:40:00 AM			
Project:		·		Received at	Lab: 10/15/07		
-	0710429-01				atrix: DRINKING W		
	01 10 120 01			MAULA, DRINKING WATER			
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-Tetrachloroethan	e	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-Tetrachloroethan	e	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-chloropro	oane	96-12-8	1	0.50	ND	ug/L	
,2-Dibromoethane		106-93-4	1	0,50	ND	ug/L	
,2-Dichlorobenzene		95-50-1	1	0.50	ND	ug/L	
,2-Dichloroethane		107-06-2	1	0.50	ND	ug/L	
1,2-Dichloropropane		76-87-5	1	0.50	ND	ug/L	
1,3,5-Trimethylbenzene		106-67-8	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	
I-Chiorotoluene		106-43-4	1	0.50	ND	ug/L	
Benzene		71-43-2	1	0.50	ND	ug/L	
Iromobenzene		108-86-1	1	0.50	ND	ug/L	
Iromochloromethane		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	
Iromomethane		74-83-9	1	0.50	ND	ug/L	
Carbon tetrachforide		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	-s-⊢ ug/L	

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.

NYSDOH ELAP #10795

PADEP #68-01385 POB 5150, Cortland, NY 13045-5150 Tel 607.753.3403 Fax 607.753.3415

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EPA LAB ID #NY00935

NOV 1 9 2007

Microbac New York

BROOME COUNTY HEALTH DEPARTMENT Report Date: 13-Nov-07 Lab Log No: 0710429

	JOHNSON CIT 44 CAMDEN S	Y WATER DEP TREET	Т	Client Sample ID: DISTRIBUTION Sampled By: D.T.			
	JOHNSON CIT	Y, NY 13790		Collection	Date: 10/15/07 8:40	00:00 AM	
Project:		-		Received a	at Lab: 10/15/07		
-	0710400 01				Matrix: DRINKING W		
Lab ID:	0710429-01			II.	Matrix. Diviniting V		
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		10081-01-5	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		95-47-8	1	0.50	ND	ug/L	
p-Isopropyitoluene		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-Dichloropropen		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-Dichlorobenz	ene-d4	3855-82-1	1	75-125	93.2	%REC	
Surr: 4-Bromofluorobe		460-00-4	1	65-132	94.8	%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.

NYSDOH ELAP #10795

PADEP #68-01385 POB 5150, Cortland, NY 13045-5150 Tel 607.753.3403 Fax 607.753.3415

EPA LAB ID #NY00935

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

CLIENT:	JOHNSON CITY 44 CAMDEN ST JOHNSON CITY	ISTREET ORGS		Client Sample ID: WELL #2 TREATED Sampled By: D. TEETER Collection Date: 08/22/07 9:10:00 AM			
Project:	QUARTERLY	CAMPEN	CT FP	Received a	t Lab: 08/23/07		
Lab ID:	0708542-02	CIP	57 67	N	latrix: DRINKING W	/ATER	
Analyses		CAS	DF	PQL	Result	Units	Qual
PART 5 POC'S I	BY EPA 524		Analyst: CMC	Analysis I	Date: Sep 04, 2007 6:4	0 pm	
1,1,1,2-Tetrachloroeth	nane	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-Tetrachloroeth	nane	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-Trichlorobenzen	e	87-61-6	1	0.50	ND	ug/L	
1,2,3-Trichloropropane	e	96-18-4	1	0.50	ND	ug/L	
1,2,4-Trichlorobenzen	e	120-82- 1	1	0.50	ND	ug/L	
1,2,4-Trimethylbenzer	le	95-63-6	1	0.50	ND	ug/L	
1,2-Dibromo-3-chlorop	propane	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-Trimethylbenzen	ie	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		108-43-4	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	
Bromodichloromethan	e	75-27-4	1	0.50	0.89	ug/L	
Bromoform		75-25-2	1	0.50	2.1	ug/L	
Bromomethane		74-63-9	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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NYSDOH ELAP #10795

PADEP #68-01385

EPA LAB ID #NY00935

POB 5150, Cortland, NY 13045-5150 Tel 607.753.3403 Fax 607.753.3415

Page 5 of 11

Mic	robac New York	
CLIENT:	JOHNSON CITY V 44 CAMDEN STRE	
	JOHNSON CITY, I	NY 13790

QUARTERLY

0708542-02

Project:

Lab ID:

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

Cilent 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	
Isopropylbanzene	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	

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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

CLIENT:	JOHNSON CITY WATER DEPT 44 CAMDEN STREET		•	le ID: WELL #2 RAW d By: D. TEETER
	JOHNSON CITY, NY 13790		=	ate: 08/22/07 9:05:00 AM
Project:	QUARTERLY		Received at l	Lab: 08/23/07
Lab ID:	0708542-01		Ма	trix: 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-Tetrachioroethane	630-20-6	1	0.50	• • •	• Ig/L
1,1,1-Trichloroethane	71-55-6	1	0.50		g/L
1,1,2,2-Tetrachloroethane	79-34-5	1	0.50		g/L
1,1,2-Trichloroethane	79-00-5	1	0.50		g/L
1,1-Dichloroethane	75-34-3	1	0.50		g/L
1,1-Dichloroethene	75- 35-4	1	0.50		g/L
1,1-Dichloropropene	563-58-6	1	0.50	ND u	- g/L
1,2,3-Trichlorobenzene	87-61-6	1	0.50		g/L
1,2,3-Trichloropropane	96-1 8- 4	1	0.50		g/L
1,2,4-Trichlorobenzene	120-82-1	1	0.50		g/L
1,2,4-Trimethylbenzene	95- 63- 6	1	0.50		а- g/L
1,2-Dibromo-3-chloropropane	96-12-8	1	0.50		g/L
1,2-Dibromoethane	106-93-4	1	0.50		с g/L
1,2-Dichlorobenzerie	95-50-1	1	0.50		g/L
1,2-Dichloroethane	107-06-2	1	0.50		g/L
1,2-Dichloropropane	78-87-5	f	0.50	-	- g/L
1,3,5-Trimethylbenzene	108-67-8	1	0.50		- g/L
1,3-Dichlorobenzene	541-73-1	1	0.50		- 3/L
1,3-Dichloropropane	142-28-9	1	0.50	-	- g/L
1,4-Dichlorobenzene	106-46-7	1	0.50		, j/L
2,2-Dichloropropane	590-20-7	1	0.50	-	, J/L
2-Chlorotoluene	95-49-8	1	0.50	ND ug	-
4-Chlorotoluene	106-43-4	1	0.50	ND ug	
Benzene	71-43-2	1	0.50	ND ug	•
Bromobenzene	108-88-1	1	0.50	ND ug	
Bromochloromethane	74-97-5	1	0.50	ND ug	
Bromodichloromethane	75-27-4	1	0.50	ND ug	
Bromoform	75-25-2	1	0.50	ND ug	
Bromomethane	74-83-9	1	0.50	ND ug	
Carbon tetrachloride	56- 23-5	1	0.50	ND ug	
Chlorobenzene	108-90-7	1	0.50	ND ug	
Chloroethane	75- 00-3	1	0.50	ND ug	

This laboratory analysis has been performed in accordance with generally accepted laboratory practices and requirements of the New York State Department of Health ELAP Progrem. 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.

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

JOHNSON CITY WATER DEPT 44 CAMDEN STREET
JOHNSON CITY, NY 13790
QUARTERLY
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		0.50	0.50		
Chloromethane	74-87-3	1	0.50	0.56 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	124-46-1	1	0.50	ND	ug/L	
Dibromomethane	74-95-3	1	0.50	ND	ug/L	
Dichlorodifluoromethane	75-71-0	1	0.50		ug/L	
Ethylbenzene	100-41-4	1	0.50	ND ND	ug/L	
Hexachlorobutadiene	87-68-3	1	0.50	ND	ug/L	
isopropylbenzene	98-62-8	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		ug/L	
Methylene chloride	75-09-2	1	0.50	ND ND	ug/L	
n-Butylbenzene	104-51-8	1	0.50	ND	ug/L	
n-Propylbenzene	103-65-1	1	0.50		ug/L	
Naphthalene	91-20-3	1	0.50	ND ND	ug/L	
o-Xylene	85-47-6	1	0.50		ug/L	
p-Isopropyitoluene	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	108-68-3	1	0.50	ND	ug/L	
Total Trihatomethanes	100 00 0	1	0.50	ND	ug/L	
trans-1,2-Dichloroethene	156-60-5	1	0.50	0.56	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	0.64	ug/L	
Vinyl chloride	75-01-4	1	0.50	ND	ug/L	
Surr: 1,4-Dichlorobenzene-d4	3855-82-1	1 1	75-125	ND	ug/L	
Surr: 4-Bromofluorobenzene	460-00-4			91.2	%REC	
	400-00-4	1	65-132	95.6	%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.

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

CLIENT: Project: Lab ID:	JOHNSON CIT 44 CAMDEN S ⁻ JOHNSON CIT QUARTERLY 0708542-04	TREET	EPT	Sample Collection Received at	ple ID: WELL #3 ed By: D. TEETER Date: 08/22/07 9:20 t Lab: 08/23/07 atrix: DRINKING V		
Analyses		CAS	DF	PQL	Result	Units	Qual
PART 5 POC'S	S BY EPA 524		Analyst: CMC	Analysis E	Date: Sep 04, 2007 7:1	4 pm	
1,1,1,2-Tetrachloro	ethane	630-20-6	1	0.50	ND	ug/L	
1,1,1-Trichloroetha	ne	71-55-6	1	0.50	1.1	ug/L	
1,1,2,2-Tetrachioro	ethane	79-34-5	1	0.50	ND	ug/L	

1,1,1,2-Tetrachioroethane	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	67-61-6	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
I,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
1-Chlorotoluene	108-43-4	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

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 eny 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.

NYSDOH ELAP #10795

PADEP #68-01385 POB 5150, Cortland, NY 13045-5150 Tel 607.753.3403 Fax 607.753.3415

EPA LAB ID #NY00935

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

Qual

CLIENT:	JOHNSON CITY	WATER DEF	νT	Client Sam	ole ID: WELL #3	
	44 CAMDEN ST	REET		Sample	d By: D. TEETER	
	JOHNSON CITY	, NY 13790		Collection	Date: 08/22/07 9:20	MA 00:0
Project:	QUARTERLY			Received at	Lab: 08/23/07	
Lab ID:	0708542-04			M	atrix: DRINKING V	VATER
Analyses		CAS	DF	PQL	Result	Units

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	
lsopropylbenzene	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-isopropylloluene	99-87-6	1	0.50	ND	ug/L	
sec-Butylbenzene	135-96-8	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	

This laboratory analysis has been performed in accordance with generally accepted laboratory practices and requirements of the New York State Department of Health ELAP Progrem. 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.

NYSDOH ELAP #10795

PADEP #68-01385

EPA LAB ID #NY00935

POB 5150, Cortland, NY 13045-5150 Tel 607.753.3403 Fax 607.753.3415 LFA LAD ID #INTUUS

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New York	

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Report Date: 26-Sep-07

SDWIS^{Lab Log No: 0708542}

CLIENT:	JOHNSON CITY 44 CAMDEN STI		PT	Client Sample I Sampled E	ID: WELL #6 By: D. TEETER			
	JOHNSON CITY	, NY 13790	DACTER	Collection Date	e: 08/22/07 9:4	5:00 AM		
Project:	QUARTERLY		HOSTED.	Received at Lal	b: 08/23/07			
Lab ID:	0708542-05		POPED		x: DRINKING V	VATER		
Analyses		CAS	DF	PQL	Result	Units	Qual	
PART 5 POC'S B	Y FPA 524		Analyst: CMC	Analysis Date:	Sep 04, 2007 7:4	19 pm		
1,1,1,2-Tetrachloroetha		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-Tetrachloroetha	ne	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-chloropr		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		107-08-2	1	0.50	ND	ug/L		
1,2-Dichloropropane		78-87-5	1	0.50	ND	ug/L		
1,3,5-Trimethylbenzene	2	108-87-8	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		106-48-7	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-Chiorotoluene		106-43-4	1	0.50	ND	ug/L		
Benzena		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		74-63-9	1	0.50	ND	ug/L		

This laboratory analysis has been performed in accordance with generally accepted laboretory 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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56-23-5

108-90-7

75-00-3

NYSDOH ELAP #10795

Carbon tetrachloride

Chlorobenzene

Chloroethane

PADEP #68-01385 POB 5150, Cortland, NY 13045-5150

EPA LAB ID #NY00935

ND

ND

ND

ug/L

ug/L

ug/L

Tel 607.753.3403 Fax 607.753.3415

0.50

0.50

0.50

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Report Date: 26-Sep-07

Lab Log No: 0708542

CLIENT:	JOHNSON CITY WATER DE 44 CAMDEN STREET	Client Sample ID: WELL #6 Sampled By: D. TEETER				
	JOHNSON CITY, NY 13790	6.6368475	ଅନ୍ତର Collection I	Date: 08/22/07 9:45	5:00 AM	
Project:	QUARTERLY	POST	Received at	Lab: 08/23/07		
-	0708542-05		⊡∕ Ma	atrix: DRINKING W	/ATER	
Lab ID:	0700342-03					
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-Dichloropropen	e 10061-01-5	1	0.50	ND	ug/L	
Dibromochloromethane		1	0.50	ND	ug/L	
Dibromomethane	74-95-3	1	0.50	ND	ug/L	
Dichlorodifluoromethan	ie 75-71-8	1	0.50	ND	ug/L	
Ethylbenzene	100-41-4	1	0.50	ND	ug/L	
Hexachiorobutadiene	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-lsopropyltoluene	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	NO	ug/L	
Total Trihalomethanes	L Contraction of the second	1	0.50	ND	ug/L	
trans-1,2-Dichloroethe		1	0.50	ND	ug/L	
trans-1,3-Dichloroprop		1	0.50	ND	ug/L	
Trichloroethene	79-01-6	1	0.50	ND	ug/L	
			0.50	ND	unit	

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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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75-69-4

75-01-4

3855-82-1

460-00-4

NYSDOH ELAP #10795

Trichlorofluoromethane

Surr: 1,4-Dichlorobenzene-d4

Surr: 4-Bromofluorobenzene

Vinyl chloride

PADEP #68-01385 POB 5150, Cortland, NY 13045-5150 Tel 607.753.3403 Fax 607.753.3415

0.50

0.50

75-125

65-132

EPA LAB ID #NY00935

ND

ND

97.8

100

ug/L

ug/L

%REC

%REC

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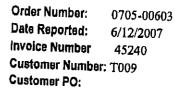
WAVERLY, NY 14892-1582 FAX (607) 565 - 4083

NY 10252 NJ 73168 PA 68180 EPA NY00033

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Johnson City Water Department	6
44 Camden Streeet Johnson City, NY 13790 Attn:	POSTED





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

Analysis Performed	Pooult	-	Detectio	on	
Sample Details	Result	Units	Limit	Method	Analysis information
Sample #: 001					
Description: Well #3 Grab					
Sampled: 5/11/2007 13:25 Client Received: 5/11/2007, 15:15					
Analysis Details					
524.2 NY					
1,1,1,2-Tetrachloroethane				EPA 524.2	5/22/07, 18:45, SUB
1,1,1-Trichloroethane	U	ug/L	0.5		5/22/07, 18:45, SUB
1,1,2,2-Tetrachloroethane	1.2	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-Trichioropropane	U	ug/L	0.5		
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, 5UB
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
Bromodichioromethane	U	ug/L	0,5		5/22/07, 18:45, SUB
Bromoform	U	ug/L	0.5		5/22/07, 18:45, SUB
	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		0.5		5/22/07, 18:45, SUB
Chloromethane	U		0.5		5/22/07, 18:45, SUB
cis-1,2-Dichloroethene	Ū		0.5		5/22/07, 18:45, 5UB
oy: E = estimated value			0.0		5/22/07, 18:45, SUB
ND as H and f	< = loss than the indicated	valuo ug/L	= microurame	per liter (equivalent to pr	
B - analyte was detected in the method or trip blank		mg/L	= milligrams p	er liter (equivalent to pa	uts per billion 19 per million
B - analyte was detected B - analyte was detected in the method or trip blank e information in this report is accurate to the best of our knowledge and abili 2.4 27628126:01	ty In no event shall our liability of	exceed the cost of thes	e services. Your sam	er kilogram (equivalent (o parts per million
5.9 S.912 P.2	. SZ16	862 209	1 d		ways unless we are advised otherwise.



WAVERLY, NY 14892 - 1532 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:0705-00603Date Reported:6/12/2007Invoice Number:45240Customer Number:T009Customer PO:1009

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

	• • • • • • • • • • • • • • • • • • • •		Detectio	on	
Analysis Performed	Result	Units	Limit	Method	Analysis Information
alysis 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
Dichlorodifiuoromethane	U	ug/L	0.5		5/22/07, 18:45, SUB
Ethylbenzene	Ŭ	ug/L	0.5		5/22/07, 18:45, SUB
Hexachlorobutadiene	Ŭ	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	Ū	ug/L	1.0		5/22/07, 18:45, SUB
Methyl tert-butyl ether	Ū	ug/L	0.5		5/22/07, 18:45, 5UB
Methylene Chloride	Ū	ug/L	0.5		5/22/07, 18:45, SUB
n-Butylbenzene	Ŭ	ug/L	0.5		5/22/07, 18:45, SUB
n-Propylb enze ne	Ű	ug/L	0.5		5/22/07, 18:45, SUB
Naphthalene	Ŭ	ц <u>р/</u> Г	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	Ū	ug/L	0.5		5/22/07, 18:45, SUB
Styrene	Ŭ	ug/L	0.5		5/22/07, 18:45, SUB
tert-Butylbenzene	Ŭ	ug/L	0.5		5/22/07, 18:45, SUB
Tetrachloroethene	Ŭ	ug/L	0.5		
Toluene	Ŭ	ug/L	0.5		5/22/07, 18:45, 5UB
trans-1,2-Dichloroethene	Ŭ	ug/L	0.5		5/22/07, 18:45, SUB
trans-1,3-Dichloropropene	Ŭ	ug/L	0.5		5/22/07, 18:45, SUB
Trichloroethene	0.98	ug/L	0.5		5/22/07, 18:45, SUB
Trichforofluoromethane	U	ug/L	0.5 		5/22/07, 18:45, SUB
Vinyl Chloride	ŭ	ug/L	0.5		5/22/07, 18:45, SUB
1,4-Dichlorobenzene-d4 (Sur	91	% Rec	0.5		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	5/22/07, 18:45, SUB
Radium 226	0.07 +/- 0.1	pCI/L		7500 RaB Modified	6/11/07, 0:00, SUB
Radium 228	2.8 +/- 1.9	pCi/L		EPA 904.0	5/21/07, 0:00, SUB
	2.0 7/- 1.9	hci.r		CFA 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.



82 ITHACA STREET TELEPHONE (607) 565-3500 WAVERLY, NY 14892-1532 FAX (607) 565-4089 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:0705-00603Date Reported:6/12/2007Invoice Number:45240Customer Number:T009Customer PO: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

 Koy:
 B =
 estimated value
 < = less than the indicated value</th>
 ug/L
 = micrograms per liter (equivalent to parts per billion

 ND or U = analyte not detected
 mg/L
 = milligrams per liter (equivalent to parts per million)

 B =
 gnalyte was detected in the method or trip blank
 mg/Kg
 = milligrams per kilogram (equivalent to parts per million)

 The information in this report is accurate to the best of our knowledge and ability in no event shall our liability exceed the cost of these services. Your sample will be discarded after 14 days unless we are advised otherwise.



WAVERLY, NY 14892 - 1532 FAX (607) 565 - 4083 NY 10252 NJ 73168 PA 68180 EPA NY00033

Certificate of Analysis

Johnson City Wate	r 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	Detectio Limit	on Method	Analysis Information
Sample Details			-		
Sample #: 002					
Description: Well #2 Raw Grab					
Sampled: 5/11/2007 13:30 Client Received: 5/11/2007, 15:15					
<u>Analysic Details</u>					
524.2 NY				EPA 524.2	5/22/07, 19:19, SUB
1,1,1,2-Tetrachloroethane	U	ug/L	0.5	L A 32112	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	Ū	ug/L	0.5		5/22/07, 19:19, SUB
1,1-Dichloroethane	Ŭ	ug/L	0,5		5/22/07, 19:19, SUB
1,1-Dichloroethene	Ŭ	ug/L	0.5		5/22/07, 19:19, SUB
1,1-Dichloropropene	Ű	ug/L	0.5		5/22/07, 19:19, SUB
1,2,3-Trichlorobenzene	Ŭ	ug/L	0.5		5/22/07, 19:19, SUB
1,2,3-Trichloropropane	Ū	ug/L	0.5		5/22/07, 19:19, SUB
1,2,4-Trichiorobenzene	Ū	ug/L	0.5		5/22/07, 19:19, SUB
1,2,4-Trimethylbenzene	Ū	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-Dichioroethane	U	ug/L	0.5		5/22/07, 19:19, SUB
1,2-Dichtoropropane	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-Dichioropropane	U	ug/L	0.5		5/22/07, 19:19, SUB
1,4-Dichlorobenzene		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-Chiorotoluene	U	ug/L	0.5		5/22/07, 19:19, SUB
Benzene	U	ug/L	0.5		5/22/07, 19:19, 5UB
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, 5UB
cls-1,2-Dichloroethene	U	ug/L	0.5		5/22/07, 19:19, SUB

 Key.
 E = estimated value
 < = test man the indicated value</td>
 ug/L
 = motorgrams per inter (equivalent to parts per ontion

 ND or U = analyte not delected
 mg/L
 = milligrams per liter (equivalent to parts per million)

 B = analyte was detected in the method or trip blank
 mg/L
 = milligrams per liter (equivalent to parts per million)

 The information in this report is accurate to the best of our knowledge and obility in no event shall our liability exceed the cost of these services. Your sample will be discarded after 14 days usless we are advised otherwise

< = less than the indicated value

E = estimated value

Key.

ug/L

- micrograms per liter (equivalent to parts per billion



WAVERLY, NY 14892 - 1532 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	11-14-	Detectio		
	Kesult	Units	Limit	Method	Analysis Information
nalyeis Detalis					
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	Ū	ug/L	0.5		5/22/07, 19:19, 50B
Hexachlorobutadiene	Ŭ	ug/L	0.5		5/22/07, 19:19, 50B
Isopropylbenzene	Ŭ	ug/L	0.5		5/22/07, 19:19, SUB
m- & p-Xylenes	Ū	- <u>-</u> , - vg/L	1.0		
Methyl tert-butyl ether	Ŭ	ug/L	0.5		5/22/07, 19:19, SUB
Methylene Chloride	Ŭ	ug/L	0.5		5/22/07, 19:19, SUB
n-Buty/benzene	Ű	ug/L	0.5		5/22/07, 19:19, SUB
n-Propylbenzene	Ű	ug/L	0.5		5/22/07, 19:19, SUB
Naphthalene	Ű	ug/L	0.5		5/22/07, 19:19, SUB
o-Xylene	Ŭ	ug/L	0.5		5/22/07, 19:19, SUB
4-Isopropyltoluene	Ű	ug/L	0.5		5/22/07, 19:19, SUB
sec-Butylbenzene	U 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	Ŭ	ug/L	0.5		5/22/07, 19:19, SUB
Tetrachloroethene	U	ug/L	0.5		5/22/07, 19:19, SUB
Toluene	U				5/22/07, 19:19, SUB
trans-1,2-Dichloroethene	U	ug/L ug/L	0.5		5/22/07, 19:19, SUB
trans-1,3-Dichloropropene	U	-	0.5		5/22/07, 19:19, SUB
Trichloroethene		ug/L	0.5		5/22/07, 19:19, SUB
Trichlorofluoromethane	0.53	ug/L	0.5		5/22/07, 19:19, SUB
Vinyl Chloride		ug/L	-0.5		5/22/07, 19:19, SUB
1,4-Dichlorobenzene-d4 (Sur	U	ug/L % Dee	0.5		5/22/07, 19:19, SUB
4-Bromofluorobenzene (Surr)	91.4	% Rec			5/22/07, 19:19, SUB
	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

7/2 2/2

 Key:
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 ug/L
 = micrograms per liter (equivalent to parts per billion

 ND or U = analyte not detected
 mg/L
 = milligrams per liter (equivalent to parts per million)

 B = analyte was detected in the method or mip blank
 mg/L
 = milligrams per liter (equivalent to parts per million)

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 S216 862 109
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32 ITHACA STREET TELEPHONE (607) 565-3500

WAVERLY, NY 14892-1532 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

Sample Details Analysis information Sample #: 003 Description: Well #2 Treated Grab Sampled: 5/11/2007 13:35 Client DISTED Received: 5/11/2007, 15:15 DISTED	Analysis Performed	Result	Units	Detection Limit	Method	Applypin information
Description: Well #2 Treated Grab Singlid: 5/11/2007 13:35 Client Display Analysis Details Display SSDWIS 524.2 NY U Ug/L 0.5 1,1,1,2-Tetractionethane U Ug/L 0.5 1,1,2-Tetractionethane U Ug/L 0.5 1,1,2-Tetractionethane U Ug/L 0.5 1,1,2-Trictorrothane U Ug/L 0.5 1,1-01chiorethane U Ug/L 0.5 1,1-01chiorethane U Ug/L 0.5 1,2-2-Trictorropropane U Ug/L 0.5 1,2-3-Trictorropropane U Ug/L 0.5 1,2-3-Trictorropropane U Ug/L 0.5 1,2-3-Trictorropropane U Ug/L 0.5 5/22/07, 20:28, SUB 1,2-4-Trimetrybenzene U Ug/L 0.5 5/22/07, 20:28, SUB 1,2-2-Trictorropropane U Ug/L 0.5 5/22/07, 20:28, SUB 1,2-2-Trinderoropropane U Ug/L<	Sample Details	**				Analysis information
Description: Well #2 Treated Grab Singlid: 5/11/2007 13:35 Client Display Analysis Details Display SSDWIS 524.2 NY U Ug/L 0.5 1,1,1,2-Tetractionethane U Ug/L 0.5 1,1,2-Tetractionethane U Ug/L 0.5 1,1,2-Tetractionethane U Ug/L 0.5 1,1,2-Trictorrothane U Ug/L 0.5 1,1-01chiorethane U Ug/L 0.5 1,1-01chiorethane U Ug/L 0.5 1,2-2-Trictorropropane U Ug/L 0.5 1,2-3-Trictorropropane U Ug/L 0.5 1,2-3-Trictorropropane U Ug/L 0.5 1,2-3-Trictorropropane U Ug/L 0.5 5/22/07, 20:28, SUB 1,2-4-Trimetrybenzene U Ug/L 0.5 5/22/07, 20:28, SUB 1,2-2-Trictorropropane U Ug/L 0.5 5/22/07, 20:28, SUB 1,2-2-Trinderoropropane U Ug/L<						
Sampled: 5/11/2007 13:35 CHemin Recolved: FUND Analvels Details FONTON FPA 524.2 \$/22/07, 20:28, SUB 524.2 NY Image: Second Sec				(²² %)	NON A HIGO	
Recorded:-6/14/2007, 15:15 Full Will Will Will Will Will Will Will W						
Analysis Datalis EPA 524.2 NY EPA 524.2 S/22/07, 20:28, SUB 1,1,1,2-Trebrachloroethane U Ug/L 0.5 S/22/07, 20:28, SUB 1,1,2-Trebrachloroethane U Ug/L 0.5 S/22/07, 20:28, SUB 1,1,2-Trebrachloroethane U Ug/L 0.5 S/22/07, 20:28, SUB 1,1,2-Trethoroethane U Ug/L 0.5 S/22/07, 20:28, SUB 1,1-Dichloroethane U Ug/L 0.5 S/22/07, 20:28, SUB 1,1-Dichloroethane U Ug/L 0.5 S/22/07, 20:28, SUB 1,1-Dichloroethane U Ug/L 0.5 S/22/07, 20:28, SUB 1,2-3-Tritchloroopropane U Ug/L 0.5 S/22/07, 20:28, SUB 1,2,4-Trimethytbenzene U Ug/L 0.5 S/22/07, 20:28, SUB 1,2-Otchloroethane U Ug/L 0.5 S/22/07, 20:28, SUB 1,2-A-Tritchloroopropane U Ug/L 0.5 S/22/07, 20:28, SUB 1,2-Otchloroethane U Ug/L 0.5 S/22/07, 20:28, SUB 1,2-Otc	Received: 5/11/2007 15:35 Chent Received: 5/11/2007 15:15	i.				
I,1,1,2-Tetrachloroethane U Ug/L 0.5 5/22/07, 20:28, SUB 1,1,1-Trichtoroethane U Ug/L 0.5 5/22/07, 20:28, SUB 1,1,2-Tetrachloroethane U Ug/L 0.5 5/22/07, 20:28, SUB 1,1,2-Trichtoroethane U Ug/L 0.5 5/22/07, 20:28, SUB 1,1-Dichtoroethane U Ug/L 0.5 5/22/07, 20:28, SUB 1,1-Dichtoroethane U Ug/L 0.5 5/22/07, 20:28, SUB 1,1-Dichtoroethane U Ug/L 0.5 5/22/07, 20:28, SUB 1,2,3-Trichtoropropane U Ug/L 0.5 5/22/07, 20:28, SUB 1,2,4-Trinhethylbenzene U Ug/L 0.5 5/22/07, 20:28, SUB 1,2-Dichtoroethane U Ug/L 0.5 5/22/07, 20:28, SUB	Analysis Details	Ľ		/		
1,1,2-Tetrachloroethane.Uug/L0.5 $5/22/07, 20:28, 5UB$ 1,1,1-TrichloroethaneUug/L0.5 $5/22/07, 20:28, 5UB$ 1,1,2-TrichloroethaneUug/L0.5 $5/22/07, 20:28, 5UB$ 1,1-DichloroethaneUug/L0.5 $5/22/07, 20:28, 5UB$ 1,1-DichloroethaneUug/L0.5 $5/22/07, 20:28, 5UB$ 1,1-DichloroethaneUug/L0.5 $5/22/07, 20:28, 5UB$ 1,1-DichloroethaneUug/L0.5 $5/22/07, 20:28, 5UB$ 1,2-3-TrichloroethaneUug/L0.5 $5/22/07, 20:28, 5UB$ 1,2-3-TrichloroethaneUug/L0.5 $5/22/07, 20:28, 5UB$ 1,2,3-TrichloroethaneUug/L0.5 $5/22/07, 20:28, 5UB$ 1,2,3-TrichloroethaneUug/L0.5 $5/22/07, 20:28, 5UB$ 1,2,4-TritehyobenzeneUug/L0.5 $5/22/07, 20:28, 5UB$ 1,2-OlchloroethaneUug/L0.5 $5/22/07, 20:28, 5UB$ 1,2-OlchloroethaneUug/L0.5 $5/22/07, 20:28, 5UB$ 1,3-OlchloroethaneUug/L0.5 $5/22/07, 20:28, 5UB$	524.2 NY					
1,1,1-Trichtoroethane 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-Trichtoroethane 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 1,2,4-Trinethylbenzene U ug/L 0.5 5/22/07, 20:28, SUB 1,2,4-Trinethylbenzene 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-Dichlorophonzene U ug/L 0.5 5/22/07, 20:28, SUB 1,2-Dichlorophonzene 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			11-11	0.5	EPA 524.2	•
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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-Dichloroethane U ug/L 0.5 5/22/07, 20:28, SUB 1,1-Dichloroptopene U ug/L 0.5 5/22/07, 20:28, SUB 1,2,3-Trichloroptopane U ug/L 0.5 5/22/07, 20:28, SUB 1,2,3-Trichloroptopane U ug/L 0.5 5/22/07, 20:28, SUB 1,2,4-Trichloroptopane U ug/L 0.5 5/22/07, 20:28, SUB 1,2,4-Trichloroptopane 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-Dichloroethane U ug/L 0.5 5/22/07, 20:28, SUB 1,3-Dichloroptopane U ug/L 0.5 5/22/07, 20:28, SUB 1,3-Dichloroptopane U ug/L 0.5 5/22/07, 20:28, SUB 1,3-Dichloroptopane U ug/L 0.5 5/22/07, 20:28, SUB <t< td=""><td></td><td></td><td>-</td><td></td><td></td><td></td></t<>			-			
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-Dichloroptopene 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-Trichlorobenzene 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-Trichlorobenzene 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-Dichlorobenzene 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-Dichlorobenzene U ug/L 0.5 5/22/07, 20:28, SUB 1,3-Dichloroppopane 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-Dichlorobenzene U ug/L 0.5 5/22/07, 20:28, SUB			-			
1,1-Dichloropthene U ug/L 0.5 5/22/07, 20:28, SUB 1,1-Dichloroptopene 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-Trichlorobenzene 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-Trichlorobenzene 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-Dichlorobenzene U ug/L 0.5 5/22/07, 20:28, SUB 1,2-Dichloropopane U ug/L 0.5 5/22/07, 20:28, SUB 1,3-Dichloropopane U ug/L 0.5 5/22/07, 20:28, SUB 2,						5/22/07, 20:2B, SUB
1,1-Dichloropropene 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 1,2,3-Trichloropropane U Ug/L 0.5 5/22/07, 20:28, SUB 1,2,4-Trichloroperzene 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-Trichlorobenzene 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-Dichlorobenzene 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 1,3-Dichlorobenzene 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 2,2-Dichloropropane U Ug/L 0.5 5/22/07, 20:28, SUB			•			5/22/07, 20:28, SUB
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Key: E = estimated value < = less than the indicated value

 Key:
 E = estimated value
 < = ress runt the indicated value</td>
 = microgroups per inter (equivalent to parts per oution

 ND or U = analyte not detected
 mg/L
 = milligroups per liter (equivalent to parts per oution)

 B = analyte was detected in the method or trip blank
 mg/L
 = milligroups per liter (equivalent to parts per oution)

 The information in this report is accurate to the best of our knowledge and ability. In no event shall our liability exceed the cost of these services. Your sample will be discarded after 14 days unless we are advised otherwise.



WAVERLY, NY 14892 - 1532 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

	1 /		Detectio	n -	
Analysis Performed	Result	Units	Limit	Method	Analysis Information
Analysis Details					
continued					
cis-1,3-Dichloropropene	υ	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	Ū	ug/L	0.5		5/22/07, 20:28, SUB
Ethylbenzene	Ŭ	ug/L	0.5		5/22/07, 20:28, SUB
Hexachiorobutadiene	Ű	ug/L	0.5		5/22/07, 20:28, SUB
Isopropylbenzene	Ŭ	ug/L	0.5		5/22/07, 20:28, SUB
m- & p-Xylenes	Ű	ug/L	1.0		
Methyl tert-butyl ether	Ű	ug/L	0.5		5/22/07, 20:28, SUB
Methylene Chloride	Ŭ	ug/L	0.5		S/22/07, 20:28, SUB
n-Butylbenzene	U	ug/L	0.5		5/22/07, 20:28, SUB
n-Propylbenzene	Ŭ	ug/L	0.5		S/22/07, 20:28, SUB
Naphthalene	υ	ug/L	0.5		5/22/07, 20:28, SUB
o-Xylene	Ŭ	ug/L	0.5		S/22/07, 20:28, SUB
4-Isopropyltoluene	Ŭ	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-Buty/benzene					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		S/22/07, 20:28, SUB
	Ų	ug/L	0.5		5/22/07, 20:28, SUB
Vinyi 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.

Rena

Hal Warso, Managing Director

Key: Ē = estimated value < - less than the indicated value uy/L = micrograms per liter (equivalent to parts per billion ND or U = analyte not detected mg/L = milligrams per liter (equivalent to parts per million) B = analyte was detected in the method or trip blank mg/kg = milli The information in this report is accurate to the best of our knowledge and ability. In no event shall our liability exceed the cost of these services. - milligrams per kilogram (equivalent to parts per million rervices. Your sample will be discarded after 14 days unless we are advised atherwise

8.9

Approved By:

OCT-11-2007 10:22A FROM:JC WATER DEPT



32 ITHACA STREET TELEPHONE (607) 565-3500 WAVERLY, NY 14892 - 1532 FAX (607) 565 - 4083 NY 10252 NJ 73168 PA 68180 EPA NY00033

Certificate of Analysis

Johnson City Water Department	Order Number: 0705-00603
44 Camden Streeet	Date Reported: 6/12/2007
Johnson City, NY 13790	Invoice Number 45240
	Customer Number: T009
Attn:	Customer PO:

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

Analysis Performed	Result	Units	Detecti Limit	on Method	Analysis Information
Sample Details	 				
Sample #: 004				17 b	
Description: Well #6 Grab				CMARK	(T)
Sampled: 5/11/2007 13:50 Client		7900	°P N	SDW	
Received: 5/11/2007, 15:15		POST	忙朗		
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	Ū	ug/L	0.5		5/22/07, 19:54, SUB
1,2,4-Trichlorobenzene	Ŭ	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-Dichiorobenzene	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	Ŭ	ug/L	0.5		5/22/07, 19:54, SUB
2-Chlorotoluene	Ŭ	ug/L	0.5		5/22/07, 19:54, SUB
4-Chlorotoluene	Ŭ	ug/L	0.5		5/22/07, 19:54, SUB
Benzene	Ű	ug/L	0.5		5/22/07, 19:54, SUB
Bromobenzene	Ŭ	ug/L	0.5		
Bromochloromethane	Ŭ	ug/L	0.5		5/22/07, 19:54, SUB
Bromodichloromethane	Ŭ	-9/ - ug/L	0.5		5/22/07, 19:54, SUB
Bromoform	Ű	ug/L	0.5		5/22/07, 19:54, SUB
Bromomethane	Ű	ug/L	0.5		5/22/07, 19:54, SUB
Carbon Tetrachloride	Ű	ug/L	0.5		5/22/07, 19:54, SUB
Chlorobenzene	Ű	ug/L	0.5		5/22/07, 19:54, SUB
Chioroethane	U U	ug/L	0.5		5/22/07, 19:54, SUB
Chloroform	Ŭ	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-Dichioroethene	Ŭ	ug/L	0.5		5/22/07, 19:54, SUB 5/22/07, 19:54, SUB
sy: E = cstimated value					
	< - less than the indicate	divaluc uµ/L	 nicrog 	rams por liter (equivalent to	uarts per hillion

 Key:
 E = cstimated value
 < - less than the indicated value</td>
 ug/L
 - micrograms per liter (equivalent to parts per billion

 ND or U = analyte not detected
 mg/L
 = milligrams per liter (equivalent to parts per million)

 B = analyte was detected in the method or trip blank
 mg/Kg
 = milligrams per kilogram (equivalent to parts per million)

 The information in this report is accurate to the best of our knowledge and ability. In no event shall our liability exceed the cost of these services. Your sample will be discarded ofter 14 days unless we are advised otherwise.



82 ITHACA STREET TELEPHONE (607) 565-9500 WAVERLY, NY 14892 - 1532 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	Detectio Limit	Method	Analysis Information
vsis Details					
continued					
cls-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
Dichlorodifiuoromethane	U	ug/L	0.5		5/22/07, 19:54, SUB
Ethylbenzene	Ū	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	υ	ug/L	0.5		5/22/07, 19:54, SUB
tert-Butylbenzene		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			7500 RaB Modified	5/21/07, 0:00, SUB
Radium 228	-0.4 +/- 0.94			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.



WAVERLY, NY 14892 - 1532 FAX (607) 565 - 4083 NY 10252 NJ 73168 PA 68180 EPA NY00033

Certificate of Analysis

Johnson City Water Department	Order Number: 0705-00603
44 Camden Streeet	Date Reported: 6/12/2007
Johnson City, NY 13790	Invoice Number 45240
Attn:	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



WAVERLY, NY 14892-1532 FAX (607) 565 - 4083

NY 10252 NJ 73168 PA 68180 EPA NY00033

Certificate of Analysis

Johnson City Water Department	Order Number: 0705-00603
44 Camden Streeet	Date Reported: 6/12/2007
Johnson City, NY 13790	Involce Number 45240
Attn:	Customer Number: T009
	Customer PO;

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

Analysis i	Performed	Result	Units	Detection Limit	Method	Anabiala Information
Sample Details						Analysis Information
Sample #: 00	5					
Description: Mi	crobac New York Waverly	/. Trip Blank				
Sampled: 5/1	1/2007 0:01 Client 1/2007, 15:15					
Analysis Details						
524.2 NY						
1,1,1,2-Tetra	chloroethane	U	ug/L	0.5	EPA 524.2	5/22/07, 17:02, SUB
1,1,1-Trichlor		U	ug/L	0.5		5/22/07, 17:02, SUB
1,1,2,2-Tetra	chloroethane	U	ug/L	0.5		5/22/07, 17:02, SUB
1,1,2-Trichlor		U	ug/L			5/22/07, 17:02, SUB
1,1-Dichloroe		Ŭ		0.5		5/22/07, 17:02, SUB
1,1-Dichloroe		Ŭ	ug/L	0.5		5/22/07, 17:02, SUB
1,1-Dichlorop		Ŭ	ug/L	0.5		5/22/07, 17:02, SUB
1,2,3-Trichlor		Ŭ	ug/L	0.5		5/22/07, 17:02, SUB
1,2,3-Trichion		U	ug/L	0.5		5/22/07, 17:02, SUB
1,2,4-Trichlor		. U	ug/L	0.5		5/22/07, 17:02, SUB
1,2,4-Trimeth	vlbenzene	, U	ug/L	0.5		5/22/07, 17:02, SUB
1,2-Dichlorobe		Ŭ	ug/L ug/L	0.5		5/22/07, 17:02, SUB
1,2-Dichloroet		U		0.5		5/22/07, 17:02, SUB
1,2-Dichloropr		U	ug/L	0.5		5/22/07, 17:02, SUB
1,3,5-Trimethy		U	ug/L	0.5		5/22/07, 17:02, SUB
1,3-Dichlorobe		U	ug/L ug/L	0.5		5/22/07, 17:02, SUB
1,3-Dichloropr		Ŭ	ug/L ug/L	0.5		5/22/07, 17:02, SUB
1,4-Dichlorobe		Ŭ	ug/L ug/L	0.5		5/22/07, 17:02, SUB
2,2-Dichloropr		U	ug/L	0.5 0.5		5/22/07, 17:02, SUB
2-Chiorotoluen		U	ug/L ug/L			5/22/07, 17:02, <u>5</u> UB
4-Chlorotoluen	e	Ŭ	ug/L	0.5		5/22/07, 17:02, SUB
Benzene		U		0.5		5/22/07, 17:02, SUB
Bromobenzene	1	U	ug/L	0.5		5/22/07, 17:02, SUB
Bromochlorom	ethane	U	ug/L	0.5		5/22/07, 17:02, SUB
Bromodichloro	nethane	U	ug/L	0.5		5/22/07, 17:02, SUB
Bromoform	-	U	ug/L ug/L	0.5		5/22/07, 17:02, SUB
Bromomethane	}	U	սց/Լ	0.5 0.5		5/22/07, 17:02, SUB
Carbon Tetrach	loride	Ŭ				5/22/07, 17:02, SUB
Chlorobenzene		Ŭ	ug/L	0.5		S/22/07, 17:02, SUB
Chloroethane		U	ug/L ug/L	0.5		5/22/07, 17:02, SUB
Chloroform		U		0.5		5/22/07, 17:02, SUB
Chloromethane		U	ug/L ug/l	0.5		5/22/07, 17:02, SUB
ds-1,2-Dichioro		U U	ug/L ug/L	0.5 0.5		5/22/07, 17:02, SUB
		U U	uy/ L	0.5		5/22/07, 17:02, SUB

 Key:
 E = estimated value
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 ug/L
 = micrograms per liter (equivalent to parts per billion

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 The information in this report is accumate to the best of our knowledge and ability. In no event shell our liability exceed the cost of these services. Your sample will be discarded after 14 days unless we are advised otherwise.



WAVERLY, NY 14892 - 1532 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 Involce Number: 45240 Customer Number: T009 Customer PO:

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

Analysis Performed	Result	11	Detection		
	Reault	Units	Limit	Method	Analysis Information
alysis Details					
continued					
cls-1,3-Dichloropropene	U	ug/L	0.5		
Chlorodlbromomethane	U	ug/L	0.5		5/22/07, 17:02, 5UB
Dibromomethane	U	ug/L	0.5		5/22/07, 17:02, SUB
Dichlorodifluoromethane	Ŭ	ug/L			5/22/07, 17:02, SUB
Ethylbenzene	Ŭ	ug/L	0.5		5/22/07, 17:02, SUB
Hexachlorobutadiene	U	-	0.5		5/22/07, 17:02, SUB
Isopropylbenzene	U	ug/L	0.5		5/22/07, 17:02, SUB
m- & p-Xylenes		ug/L	0.5		5/22/07, 17:02, SUB
Methyl tert-butyl ether	U	ug/L	1.0		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
•	U	ug/L	0.5		5/22/07, 17:02, SUB
4-Isopropyitoluene	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	υ	ug/L	0.5		5/22/07, 17:02, SUB
tert-Butylbenzene	U	ug/L	0.5		5/22/07, 17:02, 5UB
Tetrachloroethene	U	ug/L	0.5		5/22/07, 17:02, 5UB
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-Dichloropropane	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		
Vinyi Chloride	U	ug/L	0.5		5/22/07, 17:02, SUB
1,4-Dichlorobenzene-d4 (Sur	90.8	% Rec	- 14		
4-Bromofluorobenzene (Surr)	94.2	% Rec			5/22/07, 17:02, SUB 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

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 Key:
 E = estimated value
 <= less than the indicated value</td>
 ug/L
 = micrograms per liter (equivalent to parts per billion

 ND or U = analyte not detected
 mg/L
 = milligrams per liter (equivalent to parts per million)

 B = analyte was detected in the method or trip blank
 mg/K = milligrams per kilogram (equivalent to parts per million)

 The information in this report is accurate to the best of our knowledge and ability. In no event shall our liability exceed the cost of these services
 Your sample will be discarded after 14 days uples we are advised otherwise.

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NOV 2 2 2005

BROOME COUNTY HEALTH DEPARTMENT 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 Project No: [none] **Reported:** 44 Camden Street Johnson City NY, 13790 Project Manager: James Hamm 11/20/06 10:58 Well #2-Raw Date Sampled: 11/07/06 11:00 Date Received: 11/07/06 14:22 6K07027-01 (Drinking Water) MCL Method Notes Analyte Result Prepared Analyzed Analyst Units EPA 502.2 Volatile Organic Compounds (NY List) TΒ 11/09/06 00:00 EPA 502.2 KS Benzene < 0.5 5 11/09/06 00:00 ug/l < 0.5 5 11/09/06 00:00 KS Bromobenzene ug/l п Bromochloromethane < 0.5 5 ug/l 11/09/06 00:00 KS 5 U. KS Bromomethane < 0.5 ug/l 11/09/06 00:00 u, 5 n-Butylbenzene < 0.5 ug/l 11/09/06 00:00 KS AA sec-Butylbenzene < 0.5 5 ug/l 11/09/06 00:00 11 KS e. 5 KS tert-Butylbenzene < 0.5 ug/l 11/09/06 00:00 n 5 Carbon tetrachloride < 0.5 ug/l 11/09/06 00:00 KS < 0.5 5 ug/l 11/09/06 00:00 12 KS Chlorobenzene Chloroethane < 0.5 5 ug/l 11/09/06 00:00 KS Chloromethane < 0.5 5 11/09/06 00:00 11 u KS ug/l 5 e. KS < 0.5 ug/l 11/09/06 00:00 2-Chlorotoluene KS 4-Chlorotoluene < 0.5 5 ug/l 11/09/06 00:00 ш 11 Dibromomethane < 0.5 5 ug/l 11/09/06 00:00 KS ш 1,2-Dichlorobenzene < 0.5 5 11/09/06 00:00 KS ug/l < 0.5 5 ug/l 11/09/06 00:00 KS 1,3-Dichlorobenzene < 0.5 5 ug/l 11/09/06 00:00 n 11 KS 1,4-Dichlorobenzene n 11/09/06 00:00 Dichlorodifluoromethane < 0.5 5 ug/l KS 17 11/09/06 00:00 1,1-Dichloroethane < 0.5 5 ug/l KS 11 ... KS < 0.5 5 11/09/06 00:00 1,2-Dichloroethane ug/l 11 1.1-Dichloroethene < 0.5 5 ug/l 11/09/06 00:00 KS ug/l u, 5 11/09/06 00:00 KS cis-1,2-Dichloroethene < 0.5 ... KS 5 ug/l 11/09/06 00:00 trans-1,2-Dichloroethene < 0.5 5 11/09/06 00:00 п KS < 0.5 ug/l 1,2-Dichloropropane н < 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 п < 0.5 5 ug/l 11/09/06 00:00 KS 1,1-Dichloropropene 5 n ug/l 11/09/06 00:00 KS cis-1,3-Dichloropropene < 0.5 ug/l н trans-1,3-Dichloropropene < 0.5 5 11/09/06 00:00 KS 5 11/09/06 00:00 KS < 0.5 ug/l Ethylbenzene 5 11/09/06 00:00 Hexachlorobutadiene < 0.5 ug/l KS

Eastern Laboratory Services, Ltd.

Joene 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.

Broome County DOH

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PA 08380 NY 11216



Certificate of Analysis

Johnson City Water Depart 44 Camden Street Johnson City NY, 13790					Drinking Water [none] James Hamm	Repor 11/20/06		
Well #2- 6K07027-01 (Dri		ter)				11/07/06 11:00 11/07/06 14:22		
Analyte	Result	MCL	Units	Prepared	Analyzed	Method	Analyst	Notes
EPA 502.2 Volatile Organic Co	ompounds	(NY List)					ТВ
Isopropylbenzene	<0.5	5	ug/l	11/09/06 00:00		11	KS	
p-Isopropyltoluene	<0.5	5	ug/l	11/09/06 00:00	11	п	KS	
Methylene chloride	<0.5	5	ug/l	11/09/06 00:00	It	11	KS	AA
n-Propylbenzene	<0.5	5	ug/l	11/09/06 00:00	11	U.	KS	
Styrene	<0.5	5	ug/l	11/09/06 00:00		н	KS	
1,1,1,2-Tetrachloroethane	< 0.5	5	ug/l	11/09/06 00:00	It	0	KS	
1,1,2,2-Tetrachloroethane	< 0.5	5	ug/l	11/09/06 00:00	"	ıt	KS	AA
Tetrachloroethene	< 0.5	5	ug/l	11/09/06 00:00		н	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	н	II.	KS	
1,2,4-Trichlorobenzene	<0.5	5	ug/l	11/09/06 00:00	11	n	KS	
1,1,1-Trichloroethane	<0.5	5	ug/l	11/09/06 00:00	ч	IT	KS	
1,1,2-Trichloroethane	<0.5	5	ug/l	11/09/06 00:00	11	н	KS	
Trichloroethene	<0.5	5	ug/l	11/09/06 00:00	17	11	KS	
Trichlorofluoromethane	<0.5	5	ug/l	11/09/06 00:00	11	11	KS	
1,2,3-Trichloropropane	<0.5	5	ug/l	11/09/06 00:00	н	17	KS	
1,2,4-Trimethylbenzene	<0.5	5	ug/l	11/09/06 00:00	н	II	KS	
1,3,5-Trimethylbenzene	<0.5	5	ug/l	11/09/06 00:00	11	11	KS	
Vinyl chloride	< 0.5	2	ug/l	11/09/06 00:00	н	ŧs	KS	
m,p-Xylene	<0.5	5	ug/l	11/09/06 00:00	n	ır	KS	
o-Xylene	<0.5	5	ug/l	11/09/06 00:00	17	11	KS	
Methyl tert-butyl ether	<0.5	10	ug/l	11/09/06 00:00	н	**	KS	
Surrogate: Chlorofluorobenzene (Pl		100 %	80-1	20	11	"	KS	
Surrogate: Chlorofluorobenzene (EL	CD)	100 %	80-1	20	11	11	KS	
EPA 504.1 Microextractables								ТВ
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	19	11 	PDB	
Surrogate: Tetrachloro-meta-xylene		104 %	70-1	30	n	11	PDB	
EPA 508 Pesticides and PCB S								
Chlordane (tech)	<0.10	2	ug/l	11/09/06 00:00	11/10/06 17:06	EPA 508	PDB	

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Certificate of Analysis

Johnson City Water Dep 44 Camden Street Johnson City NY, 13790				Project: Project No: Project Manager:			Repor 11/20/06	
Well # 6K07027-01 (D	2-Raw Drinking Wat	ter)				11/07/06 11:00 11/07/06 14:22		
Analyte	Result	MCL	Units	Prepared	Analyzed	Method	Analyst	Notes
EPA 508 Pesticides and PCI	3 Screen							
Toxaphene	<0.25	3	ug/l	11/09/06 00:00	11	EPA 508	PDB	
PCBs as Aroclors (screen)	Absence	0.1	ug/l	11/09/06 00:00	11	u	PDB	
Surrogate: beta-BHC		92.3 %	70-1	30	11	U.	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	н	11		
Dicamba	<0.3	50	ug/l	11/10/06 08:45	n	11		
Dinoseb	<0.5	7	ug/l	11/10/06 08:45	11	"		
Pentachlorophenol	< 0.3	1	ug/l	11/10/06 08:45	н	"		
Picloram	< 0.3	500	ug/l	11/10/06 08:45	11	17		
2,4,5-TP (Silvex)	<0.3	50	ug/l	11/10/06 08:45	n.			
EPA 525.2 Semivolatile Orga	nic Compou	nds						
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	11		RJH	
Atrazine	<0.10	3	ug/l	11/17/06 00:00	11	u.	RJH	
Benzo (a) pyrene	<0.10	0.2	ug/l	11/17/06 00:00	ч	u	RJH	
Di(2-ethylhexyl)adipate	<2.00	400	ug/l	11/17/06 00:00	11	u.	RJH	
Di(2-ethylhexyl)phthalate	<2.00	6	ug/l	11/17/06 00:00	•1	u.	RJH	
Butachlor	<2.00	50	ug/l		N	IT		
Endrin	< 0.10	2	ug/l	11/17/06 00:00	п	н	RJH	
Heptachlor	< 0.10	0.4	ug/l	11/17/06 00:00	11	п	RJH	
Heptachlor epoxide	< 0.10	0.2	ug/l	11/17/06 00:00	13	น	RJH	
Hexachlorobenzene	< 0.10	1	ug/l	11/17/06 00:00	11	11	RJH	
Hexachlorocyclopentadiene	< 0.10	50	ug/l	11/17/06 00:00	IJ	11	RJH	
HCH-gamma (Lindane)	<0.10	0.2	ug/l	11/17/06 00:00	17	ท	RJH	
Methoxychlor	<0.10	40	ug/l	11/17/06 00:00	11	11	RJH	
Metolachlor	<2.00	50	ug/1	11/17/06 00:00	п	11	RJH	
Metribuzin	<1.00	50	ug/l	11/17/06 00:00	и	n	RJH	
Propachlor	<1.00	50	ug/l	11/17/06 00:00	13	11	RJH	
Simazine	<0.10	4	ug/l	11/17/06 00:00	11	11	RJH	

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Certificate of Analysis

Johnson City Water Departmer 44 Camden Street Johnson City NY, 13790	nt	,		Project:) Project No: Project Manager: .		Reported: 11/20/06 10:58		
Well #2-Ra 6K07027-01 (Drinki		er)			Date Sampled: Date Received:	11/07/06 11:00 11/07/06 14:22		
Analyte	Result	MCL	Units	Prepared	Analyzed	Method	Analyst	Notes
EPA 525.2 Semivolatile Organic (Compou	nds						
Dieldrin	<0.10	5	ug/l	11/17/06 00:00		EPA 525.2	RJH	
Surrogate: 1,3-Dimethyl-2-nitrobenzen Surrogate: Triphenyl phosphate Surrogate: Perylene-d12	106 % 104 %		70-1 70-1 70-1	30	1) 11 11	11 11	RJH RJH 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	11		IC	
Oxamyl	<1.0	200	ug/l	11/07/06 00:00			IC	
Methomyl	<1.0	0	ug/l	11/07/06 00:00	11		IC IC	
3-Hydroxycarbofuran	<1.0	0	ug/l	11/07/06 00:00	lt	11	IC	
Aldicarb	<1.0	3	ug/l	11/07/06 00:00	"		IC	
Carbofuran	<1.0	40	ug/l	11/07/06 00:00		R.	IC	
Carbaryl	<1.0	0	ug/l	11/07/06 00:00	"	11	IC	
AA = LFB recovery low prior to BNCH* = Analysis performed by PA TB = Trip Blank not analyzed - s Well #2-Tre 6K07027-02 (Drink	DEP#39- ample res ated	401, NY I aults did ng K	DOH#1182	27	Date Sampled:	11/0 7 /06 11:15 11/07/06 14:22		
		MCL	Tinita	Prepared	Analyzed	Method	Analyst	Notes
Analyte	Result		Units		7 Indi y 200		12.0.900	TB
EPA 502.2 Volatile Organic Com	<0.5	5	ug/l	11/09/06 00:00	11/09/06 00:00	EPA 502.2	KS	
Benzene	<0.5 <0.5	5	ug/l	11/09/06 00:00	11	11	KS	
Bromobenzene	<0.5 <0.5	5	ug/i ug/i	11/09/06 00:00	11	11	KS	
Bromochloromethane	<0.5 <0.5	5	ug/l	11/09/06 00:00	II	18	KS	
Bromomethane	<0.5 <0.5	5	ug/l	11/09/06 00:00		11	KS	AA
n-Butylbenzene	<0.5 <0.5	5	ug/l	11/09/06 00:00	U	Ш	KS	
sec-Butylbenzene	<0.5 <0.5	5	ug/l	11/09/06 00:00	11	u	KS	
tert-Butylbenzene Carbon tetrachloride	<0.5 <0.5	5	ug/1 ug/1	11/09/06 00:00	п	"	KS	
	<0.5 <0.5	5	ug/l	11/09/06 00:00	ш	"	KS	
Chlorobenzene Chloroethane	<0.5 <0.5	5	ug/l	11/09/06 00:00	ır	11	KS	
	~0.5		~B, i			<u></u>		<u> </u>

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Johnson City Water Depa 44 Caınden Street Johnson City NY, 13790		¢		Project: Project No: Project Manager:		Reported: 11/20/06_10:58		
Well #2 6K07027-02 (D	-Treated Prinking Wat	er)		15 x 1.		11/07/06 11:15 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	11	EPA 502.2	KS	
2-Chlorotoluene	<0.5	5	ug/l	11/09/06 00:00	11		KS	
4-Chlorotoluene	<0.5	5	ug/l	11/09/06 00:00	. "	ti ti	KS	
Dibromomethane	<0.5	5	ug/l	11/09/06 00:00	u.	U	KS	
1,2-Dichlorobenzene	<0.5	5	ug/l	11/09/06 00:00	u	r#	KS	
1,3-Dichlorobenzene	<0.5	5	ug/l	11/09/06 00:00		18	KS	
1,4-Dichlorobenzene	<0.5	5	ug/l	11/09/06 00:00	II.	11	KS	
Dichlorodifluoromethane	<0.5	5	ug/l	11/09/06 00:00	U.	P	KS	
1,1-Dichloroethane	<0.5	5	ug/l	11/09/06 00:00	"	II	KS	
1,2-Dichloroethane	<0.5	5	ug/l	11/09/06 00:00	n	н	KS	
1,1-Dichloroethene	<0.5	5	ug/l	11/09/06 00:00	11	п	KS	
cis-1,2-Dichloroethene	<0.5	5	ug/l	11/09/06 00:00	н	п	KS	
trans-1,2-Dichloroethene	<0.5	5	ug/l	11/09/06 00:00	u.	11	KS	
1,2-Dichloropropane	<0.5	5	ug/l	11/09/06 00:00	0	ш	KS	
1,3-Dichloropropane	<0.5	5	ug/l	11/09/06 00:00	н	u	KS	
2,2-Dichloropropane	<0.5	5	ug/l	11/09/06 00:00	н	n	KS	
1,1-Dichloropropene	<0.5	5	ug/l	11/09/06 00:00	п	11	KS	
cis-1,3-Dichloropropene	< 0.5	5	ug/l	11/09/06 00:00	н	u.	KS	
trans-1,3-Dichloropropene	<0.5	5	ug/l	11/09/06 00:00	n	II.	KS	
Ethylbenzene	<0.5	5	ug/l	11/09/06 00:00	n	If	KS	
Hexachlorobutadiene	<0.5	5	ug/l	11/09/06 00:00	n	If	KS	
Isopropylbenzene	<0.5	5	ug/l	11/09/06 00:00	11	17	KS	
p-Isopropyltoluene	<0.5 <0.5	5	ug/l	11/09/06 00:00	14	п	KS	
	<0.5 <0.5		-	11/09/06 00:00	11	н	KS	AA
Methylene chloride	<0.5 <0.5	5	ug/l ug/l	11/09/06 00:00	н	u	KS	<i>F</i> 1 1 1
n-Propylbenzene		5		11/09/06 00:00	n	u	KS	
Styrene	<0.5	5	ug/l	11/09/06 00:00	81	(*	KS	
1,1,1,2-Tetrachloroethane	<0.5	5	ug/l			**		A A
1,1,2,2-Tetrachloroethane	<0.5	5	ug/l	11/09/06 00:00	11	**	KS	AA
Tetrachloroethene	<0.5	5	ug/l	11/09/06 00:00	11	**	KS	
Toluene	<0.5	5	ug/l	11/09/06 00:00	" U	**	KS	
1,2,3-Trichlorobenzene	<0.5	5	ug/l	11/09/06 00:00			KS	

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Johnson City Water Depar 44 Camden Street Johnson City NY, 13790	tment			Project: Drinking Water Project No: [none] Project Manager: James Hamm			Repor 11/20/06	
Well #2-7 6K07027-02 (Dr		er)				11/07/06 11:15 11/07/06 14:22		
Analyte	Result	MCL	Units	Prepared	Analyzed	Method	Analyst	Notes
EPA 502.2 Volatile Organic C	ompounds	(NY List)						TB
1,2,4-Trichlorobenzene	<0.5	5	ug/l	11/09/06 00:00	11	<u> </u>	KS	
1,1,1-Trichloroethane	<0.5	5	ug/l	11/09/06 00:00	11		KS	
1,1,2-Trichloroethane	<0.5	5	ug/l	11/09/06 00:00	11	u	KS	
Trichloroethene	<0.5	5	ug/l	11/09/06 00:00	11	11	KS	
Trichlorofluoromethane	<0.5	5	ug/l	11/09/06 00:00	11	**	KS	
1,2,3-Trichloropropane	<0.5	5	ug/l	11/09/06 00:00	n.		KS	
1,2,4-Trimethylbenzene	<0.5	5	ug/l	11/09/06 00:00	II.		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	14	*	KS	
m,p-Xylene	<0.5	5	ug/l	11/09/06 00:00	10	59	KS	
o-Xylene	<0.5	5	ug/l	11/09/06 00:00	14	*	KS	
Methyl tert-butyl ether	<0.5	10	ug/l	11/09/06 00:00	10	17	KS	
Surrogate: Chlorofluorobenzene (H		97.0 %	80-1	20	n	11	KS	
Surrogate: Chlorofluorobenzene (E		96.0 %	80-1		"	п	KS	
EPA 504.1 Microextractables								ТВ
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	11	IT	PDB	
Surrogate: Tetrachloro-meta-xylen	e	101 %	70-1	130	R	17	PDB	
EPA 508 Pesticides and PCB								
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	11	11	PDB	
PCBs as Aroclors (screen)	Absence	0.1	ug/l	11/09/06 00:00	n	11	PDB	
Surrogate: beta-BHC	<u> </u>	106 %	70-1	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	U	11		
Dinoseb	<0.5	7	ug/l	11/10/06 08:45	N	II		
Pentachlorophenol	<0.3	1	ug/i	11/10/06 08:45	u	н		

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Johnson City Water Depa 44 Camden Street Johnson City NY, 13790	rtment			Project: 1 Project No: Project Manager: .		_,	Repor 11/20/06	
Well #2- 6K07027-02 (D		er)				11/07/06 11:15 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	<u> </u>	EPA 515.3	_	
2,4,5-TP (Silvex)	<0.3	50	ug/l	11/10/06 08:45	U	Ш		
EPA 525.2 Semivolatile Orga	nic Compou	nds						
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	п	7	RJH	
Atrazine	< 0.10	3	ug/l	11/17/06 00:00	Ш	**	RJH	
Benzo (a) pyrene	< 0.10	0.2	ug/l	11/17/06 00:00	н	11	RJH	
Di(2-ethylhexyl)adipate	<2.00	400	ug/l	11/17/06 00:00	It	11	RJH	
Di(2-ethylhexyl)phthalate	<2.00	6	ug/l	11/17/06 00:00	11	11	RJH	
Butachlor	<2.00	50	ug/l	11/17/06 00:00	0	ш	RJH	
Endrin	< 0.10	2	ug/l	11/17/06 00:00	H	н	RJH	
Heptachlor	<0.10	0.4	ug/l	11/17/06 00:00	n	ш	RJH	
Heptachlor epoxide	< 0.10	0.2	ug/l	11/17/06 00:00	11	11	RJH	
Hexachlorobenzene	<0.10	1	ug/l	11/17/06 00:00	11	**	RJH	
Hexachlorocyclopentadiene	< 0.10	50	ug/l	11/17/06 00:00	II.	н	RJH	
HCH-gamma (Lindane)	<0.10	0.2	ug/l	11/17/06 00:00	19	u	RJH	
Methoxychlor	<0.10	40	ug/l	11/17/06 00:00	u	u	RJH	
Metolachlor	<2.00	50	ug/l	11/17/06 00:00	u	n	RJH	
Metribuzin	<1.00	50	ug/l	11/17/06 00:00	II	11	RJH	
Propachlor	<1.00	50	ug/l	11/17/06 00:00	u	11	RJH	
Simazine	<0.10	4	ug/l	11/17/06 00:00	u	н	RJH	
Dieldrin	<0.10	5	ug/l	11/17/06 00:00	u	п	RJH	
Surrogate: 1,3-Dimethyl-2-nitrobe	enzene	98.8 %	70-,	130			RJH	
Surrogate: Triphenyl phosphate		100 %	70	130	11	"	RJH	
Surrogate: Perylene-d12		107 %	7 0	130	11	11	RJH	
EPA 531.1 Carbamate Pestic	ides							
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	11	11	IC	
Methomyl	<1.0	0	ug/l	11/07/06 00:00	н	11	IC	

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Johnson City Water Depa 44 Camden Street Johnson City NY, 13790	rtment				Reported: 11/20/06 10:58			
		er)		<u> </u>	Date Sampled: Date Received:	11/07/06 11:15 11/07/06 14:22	,	
Analyte	Result	MCL	Units	Prepared	Analyzed	Method	Analyst	Notes
EPA 531.1 Carbamate Pestic	ides							<u> </u>
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	11	11	IC	
Carbofuran	<1.0	40	ug/l	11/07/06 00:00	ti	n	IC	
Carbaryl	<1.0	0	ug/l	11/07/06 00:00	u	n	IC	
Carbaryl AA = LFB recovery low pri- BNCH* = Analysis performed b TB = Trip Blank not analyz We 6K07027-03 (D)	ted - sample rest	ults did n	DOH#1182 ot exceed t	t7 he MDL for this met	hốd. 本 初 世 州文 Date Sampled:	11/07/06 11:45 11/07/06 14:22		
6K0/02/-03 (D						Method	Analyst	Notes
Analyte	Result	MCL	Units	Prepared	Analyzed	Method	7 that you	·
EPA 502.2 Volatile Organic				11/00/06 00:00	11/09/06 00:00	EPA 502.2	KS	TB
Benzene	<0.5	5	ug/l	11/09/06 00:00 11/09/06 00:00	11/09/00 00:00	11	KS	
Bromobenzene	<0.5	5	ug/l	11/09/06 00:00	11	IT	KS	
Bromochloromethane	<0.5	5	ug/l		Ir	11	KS	
Bromomethane	<0.5	5	ug/l	11/09/06 00:00	11	н	KS	
n-Butylbenzene	<0.5	5	ug/l	11/09/06 00:00 11/09/06 00:00	п		KS	
sec-Butylbenzene	<0.5	5	ug/l		It	n	KS	
tert-Butylbenzene	<0.5	-5	ug/l	— <u>11/09/06-00:00</u> 11/09/06 00:00	11	u	KS	
Carbon tetrachloride	<0.5	5	ug/l	11/09/06 00:00	ш		KS	
Chlorobenzene	<0.5	5	ug/l	11/09/06 00:00	IF	11	KS	
Chloroethane	<0.5	5	ug/l	11/09/06 00:00	17	н	KS	
Chloromethane	<0.5	5	ug/l	11/09/06 00:00	н	11	KS	
2-Chlorotoluene	<0.5	5	ug/l	11/09/06 00:00	lt	11	KS	
4-Chlorotoluene	<0.5	5	ug/l	11/09/06 00:00	"	п	KS	
Dibromomethane	<0.5	5	ug/l	11/09/06 00:00	Ш	11	KS	
1,2-Dichlorobenzene	<0.5	5	ug/l	11/09/06 00:00	"	IJ	KS	
1,3-Dichlorobenzene	<0.5	5	ug/l		Ш	n	KS	
1,4-Dichlorobenzene	<0.5	5	ug/l	11/09/06 00:00 11/09/06 00:00		11	KS	
Dichlorodifluoromethane	<0.5	5	ug/l	11/09/06 00:00		U	KS	
1,1-Dichloroethane	<0.5	5	ug/l	11/03/00 00:00			110	

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Johnson City Water Depar 44 Camden Street Johnson City NY, 13790				Reported: 11/20/06 10:58				
Well #6 6K07027-03 (Drinking W		ng Water)			Date Sampled: Date Received:	11/07/06 11:45 11/07/06 14:22		
Analyte	Result	MCL	Units	Prepared	Analyzed	Method	Analyst	Notes
EPA 502.2 Volatile Organic (Compounds (N	Y List)						<u>TB</u>
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	н	11	KS	
cis-1,2-Dichloroethene	<0.5	5	ug/l	11/09/06 00:00	11		KS	
trans-1,2-Dichloroethene	<0.5	5	ug/l	11/09/06 00:00	11	n	KS KS	
1,2-Dichloropropane	<0.5	5	ug/l	11/09/06 00:00	11		KS KS	
1,3-Dichloropropane	<0.5	5	ug/l	11/09/06 00:00	11		KS KS	
2,2-Dichloropropane	<0.5	5	ug/l	11/09/06 00:00	n		KS	
1,1-Dichloropropene	<0.5	5	ug/l	11/09/06 00:00	и		KS	
cis-1,3-Dichloropropene	<0.5	5	ug/l	11/09/06 00:00	17		KS KS	
trans-1,3-Dichloropropene	<0.5	5	ug/l	11/09/06 00:00	9T	**	KS	
Ethylbenzene	<0.5	5	ug/l	11/09/06 00:00	U	u		
Hexachlorobutadiene	<0.5	5	ug/l	11/09/06 00:00	18	11	KS	
Isopropylbenzene	<0.5	5	ug/l	11/09/06 00:00	17	11	KS KS	
p-Isopropyltoluene	<0.5	5	ug/l	11/09/06 00:00	T			
Methylene chloride	<0.5	5	ug/l	11/09/06 00:00	u.	**	KS	
n-Propylbenzene	<0.5	5	ug/l	11/09/06 00:00	01	TT It	KS	
Styrene	<0.5	5	ug/l	11/09/06 00:00	п		KS	
1,1,1,2-Tetrachloroethane	<0.5	5	ug/l	11/09/06 00:00	n		KS	
1,1,2,2-Tetrachloroethane	<0.5	5	ug/l	11/09/06 00:00			KS KC	
Tetrachloroethene	<0.5	5	ug/l	11/09/06 00:00	97	11	KS	
Toluene	<0.5	5	ug/l	11/09/06 00:00	"	te	KS	
1,2,3-Trichlorobenzene	<0.5	5	ug/l	11/09/06 00:00	11	If	KS	
1,2,4-Trichlorobenzene	<0.5	5	ug/l	11/09/06 00:00	11	н	KS	
1,1,1-Trichloroethane	<0.5	5	ug/l	11/09/06 00:00	11	11	KS	
1,1,2-Trichloroethane	<0.5	5	ug/l	11/09/06 00:00	11	**	KS	
Trichloroethene	<0.5	5	ug/l	11/09/06 00:00	11	U.	KS	
Trichlorofluoromethane	<0.5	5	ug/i	11/09/06 00:00		II	KS	
	<0.5	5	ug/l	11/09/06 00:00	u	п	KS	
1,2,3-Trichloropropane	<0.5	5	ug/l	11/09/06 00:00	п	n	KS	
1,2,4-Trimethylbenzene	<0.5	5	ug/l	11/09/06 00:00	u	11	KS	
1,3,5-Trimethylbenzene Vinyl chloride	<0.5	2	ug/l	11/09/06 00:00	"		KS	

Eastern Laboratory Services, Ltd.

Jone Chu

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.

Broome County DOH

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Reviewed by Irene Chu, Laboratory Director

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<u>Certificate of Analysis</u>

Johnson City Water 44 Camden Street				Reported: 11/20/06 10:58				
Johnson City NY, 1	Well #6				Date Sampled: Date Received:	11/07/06 11:45 11/07/06 14:22		
<u> </u>)3 (Drinking Wate	er)			Analyzed	Method	Analyst	Notes
Analyte	Result	MCL	Units	Prepared				TB
EPA 502.2 Volatile Org	anic Compounds	NY List)			н	KS	
	<0.5	5	ug/l	11/09/06 00:00	57	н	KS	
m,p-Xylene	<0.5	5	ug/l	11/09/06 00:00	u	11	KS	
o-Xylene	<0.5	10	ug/l	11/09/06 00:00				
Methyl tert-butyl ether						11	KS	
Surrogate: Chlorofluorobe	urrogate: Chlorofluorobenzene (PID)		80 80		u th a đ	u	KS	

TB = Trip Blank not analyzed - sample results did not exceed the MDL for this method. Surrogate: Chlorofluorobenzene (ELCD)

Eastern Laboratory Services, Ltd.

Joene Chu \mathcal{T}

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.

Broome County DOH

PA 08380

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Eastern Laboratory Services Ltd

quality **a** accuracy **a** reliability

SDWIS

BROOME COUNTY HEALTH DEPARTMENT

Certificate of Analysis

Johnson City Water De 44 Camden Street Johnson City NY, 1379		103		Project No: Project Manager:			Report 08/22/06	
Well #// 6H03094-01 (/	2-Treated Drinking Wat	er)			•	08/03/06 09:00 08/03/06 10:40		
Алајуtе	Result	MCL	Units	Prepared	Analyzed	Method	Analyst	Notes
EPA 502.2 Volatile Organic								
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	lf u	D	KS	
Bromochloromethane	<0.5	5	ug/l	08/06/06 00:00	Ш		KS	
Bromomethane	<0.5	5	ug/l	08/06/06 00:00	II	17	KS	
n-Butylbenzene	<0.5	5	ug/l	08/06/06 00:00	11		KS	
ec-Butylbenzene	<0.5	5	ug/l	08/06/06 00:00	11	"	KS	
ert-Butylbenzene	<0.5	5	ug/l	08/06/06 00:00	•1	a	KS	
Carbon tetrachloride	<0.5	5	ug/l	08/06/06 00:00		u	KS	
Chlorobenzene	<0.5	5	ug/l	08/06/06 00:00	•)	n	KS	
Chloroethane	<0.5	5	ug/l	08/06/06 00:00	t 4	п	KS	
Chloromethane	<0.5	5	ug/l	08/06/06 00:00	18	н	KS	
2-Chlorotoluene	<0.5	5	ug/l	08/06/06 00:00	IF.	U	KS	
-Chlorotoluene	<0.5	5	ug/l	08/06/06 00:00	IF	U	KS	
Dibromomethane	<0.5	5	ug/l	08/06/06 00:00	II	17	KS	
,2-Dichlorobenzene	<0.5	5	ug/l	08/06/06 00:00	н	17	KS	
1,3-Dichlorobenzene	<0.5	5	ug/l	08/06/06 00:00	11	14	KS	
,4-Dichlorobenzene	<0.5	5	ug/l	08/06/06 00:00	11	łł	KS	
Dichlorodifluoromethane	<0.5	5	ug/l	08/06/06 00:00	**	r	KS	LLFB
1,1-Dichloroethane	<0.5	5	ug/l	08/06/06 00:00	"	п	KS	
,2-Dichloroethane	<0.5	5	ug/l	08/06/06 00:00	11	u	KS	
1,1-Dichloroethene	<0.5	5	ug/l	08/06/06 00:00		u	KS	
is-1,2-Dichloroethene	<0.5	5	ug/l	08/06/06 00:00	11	н	KS	
rans-1,2-Dichloroethene	<0.5	5	ug/l	08/06/06 00:00	D	n	KS	
,2-Dichloropropane	<0.5	5	ug/l	08/06/06 00:00	It	IJ	KS	
,3-Dichloropropane	<0.5	5	ug/l	08/06/06 00:00	п	/"	KS	
2,2-Dichloropropane	<0.5	5	ug/l	08/06/06 00:00	Ш	/\ п	KS	AA
,1-Dichloropropene	<0.5	5	ug/l	08/06/06 00:00	11	u	KS	
cis-1,3-Dichloropropene	<0.5	5	ug/l	08/06/06 00:00	11	u	KS	
rans-1.3-Dichloronronene	<0.5	5	uø/1	08/06/06 00:00	**	u	KS	

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Eastern Laboratory Services Ltd

quality **accuracy reliability**

SDWIS

Certificate of Analysis

44 Camden Street Johnson City NY, 1379	0		- to I	Project No: Project Manager:			Report 08/22/06	
Well #2 6H03094-01 (1	2-Treated Drinking Wat	er)				08/03/06 09:00 08/03/06 10:40		
Analyte	Result	MCL	Units	Prepared	Analyzed	Method	Analyst	Notes
EPA 502.2 Volatile Organic	-							
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	11	n	KS	
Isopropylbenzene	<0.5	5	ug/l	08/06/06 00:00	н	"	KS	
p-Isopropyltoluene	<0.5	5	ug/l	08/06/06 00:00	11	a	KS	
Methylene chloride	<0.5	5	ug/l	08/06/06 00:00	0	н	KS	
n-Propylbenzene	<0.5	5	ug/l	08/06/06 00:00	n	D	KS	
Styrene	<0.5	5	ug/l	08/06/06 00:00	U.	19	KS	
1,1,1,2-Tetrachloroethane	<0.5	5	ug/l	08/06/06 00:00	11	*1	KS	
1,1,2,2-Tetrachloroethane	<0.5	5	ug/l	08/06/06 00:00	н	н	KS	
Tetrachloroethene	<0.5	5	ug/l	08/06/06 00:00	n	н	KS	
Toluene	<0.5	5	ug/l	08/06/06 00:00	0		KS	
1,2,3-Trichlorobenzene	<0.5	5	ug/l	08/06/06 00:00	11	*	KS	
1,2,4-Trichlorobenzene	<0.5	5	ug/l	08/06/06 00:00	ü	n	KS	
1,1,1-Trichloroethane	<0.5	5	ug/l	08/06/06 00:00	п	н	KS	
1,1,2-Trichloroethane	<0.5	5	ug/l	08/06/06 00:00	U.	IF.	KS	
Trichloroethene	<0.5	5	ug/l	08/06/06 00:00	It	N	KS	
Trichlorofluoromethane	<0.5	5	ug/l	08/06/06 00:00	11	n	KS	
1,2,3-Trichloropropane	<0.5	5	ug/l	08/06/06 00:00	•1	н	KS	
1,2,4-Trimethylbenzene	<0.5	5	ug/l	08/06/06 00:00	11	U	KS	
1,3,5-Trimethylbenzene	<0.5	5	ug/l	08/06/06 00:00	U	17	KS	
Vinyl chloride	<0.5	2	ug/l	08/06/06 00:00	tt.	"	KS	
m,p-Xylene	<0.5	5	ug/l	08/06/06 00:00		и	KS	
o-Xylene	<0.5	5	ug/l	08/06/06 00:00	п	u	KS	
Methyl tert-butyl ether	<0.5	10	ug/l	08/06/06 00:00	II.	U	KS	
Surrogate: Chlorofluorobenzene	(PID)	100 %	80-1.	20		"	KS	
Surrogate: Chlorofluorobenzene		98.0 %	80-1.		п	н	KS	

AA = Analysis performed by EPA 524.2 8/8/06.

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

quality **a**ccuracy **r**eliability

Johnson City Water Dep 44 Camden Street Johnson City NY, 13790				Project No: Project Manager: .	James Hamm		-	Reported: 08/22/06 14:30		
Well # 6H03094-02 (I	#2-Raw Drinking Wat	er)				08/03/06 09:05 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	U .	п	KS			
Bromochloromethane	<0.5	5	ug/l	08/06/06 00:00	U	U	KS			
Bromomethane	<0.5	5	ug/l	08/06/06 00:00	II.	н	KS			
n-Butylbenzene	<0.5	5	ug/l	08/06/06 00:00	U II	D	KS			
sec-Butylbenzene	<0.5	5	ug/l	08/06/06 00:00	TI.	u	KS			
tert-Butylbenzene	<0.5	5	ug/l	08/06/06 00:00	u.	U.	KS			
Carbon tetrachloride	<0.5	5	ug/l	08/06/06 00:00	n	н	KS			
Chlorobenzene	<0.5	5	ug/l	08/06/06 00:00	u	n	KS			
Chloroethane	<0.5	5	ug/l	08/06/06 00:00	n	н	KS			
Chloromethane	<0.5	5	ug/l	08/06/06 00:00	"	н	KS			
2-Chlorotoluene	<0.5	5	ug/l	08/06/06 00:00	0	IJ	KS			
4-Chlorotoluene	<0.5	5	ug/l	08/06/06 00:00		IJ	KS			
Dibromomethane	<0.5	5	ug/l	08/06/06 00:00	п	п	KS			
1,2-Dichlorobenzene	<0.5	5	ug/l	08/06/06 00:00	н	94	KS			
1,3-Dichlorobenzene	<0.5	5	ug/l	08/06/06 00:00	н	11	KS			
1,4-Dichlorobenzene	<0.5	5	ug/l	08/06/06 00:00	Ш	11	KS			
Dichlorodifluoromethane	<0.5	5	ug/l	08/06/06 00:00	11	91	KS	LLFB		
1,1-Dichloroethane	<0.5	5	ug/l	08/06/06 00:00	11	FI	KS			
1,2-Dichloroethane	<0.5	5	ug/l	08/06/06 00:00	11	*1	KS			
1,1-Dichloroethene	<0.5	5	ug/l	08/06/06 00:00	0	a	KS			
cis-1,2-Dichloroethene	<0.5	5	ug/l	08/06/06 00:00	11	n	KS			
trans-1,2-Dichloroethene	<0.5	5	ug/l	08/06/06 00:00	0	a	KS			
1,2-Dichloropropane	<0.5	5	ug/l	08/06/06 00:00	"	u	KS			
1,3-Dichloropropane	<0.5	5	ug/l	08/06/06 00:00	11	a	KS			
2,2-Dichloropropane	<0.5	5	ug/l	08/06/06 00:00	**	u	KS	AA		
1,1-Dichloropropene	<0.5	5	ug/l	08/06/06 00:00	U.	n	KS			
cis-1,3-Dichloropropene	<0.5	5	ug/l	08/06/06 00:00	U	н	KS			
trans-1,3-Dichloropropene	<0.5	5	ug/l	08/06/06 00:00	It	U	KS			



quality **m** accuracy **m** reliability

Certificate of Analysis

Johnson City Water Dep 44 Camden Street Johnson City NY, 1379				Project: Project No: Project Manager:			Report 08/22/06	
	#2-Raw Drinking Wate	r)				08/03/06 09:05 08/03/06 10:40		.=:
Analyte	Result	MCL	Units	Prepared	Analyzed	Method	Analyst	Notes
EPA 502.2 Volatile Organic	Compounds (I	NY List))					
Hexachlorobutadiene	<0.5	5	ug/l	08/06/06 00:00	11	EPA 502.2	KS	
Isopropylbenzene	<0.5	5	ug/l	08/06/06 00:00	U	U	KS	
p-Isopropyltoluene	<0.5	5	ug/l	08/06/06 00:00	u	н	KS	
Methylene chloride	<0.5	5	ug/l	08/06/06 00:00	U.	U	KS	
n-Propylbenzene	<0.5	5	ug/l	08/06/06 00:00	U.	н	KS	
Styrene	<0.5	5	ug/l	08/06/06 00:00	U .	н	KS	
1,1,1,2-Tetrachloroethane	<0.5	5	ug/l	08/06/06 00:00	U.	n	KS	
1,1,2,2-Tetrachloroethane	<0.5	5	ug/l	08/06/06 00:00	u	n	KS	
Tetrachloroethene	<0.5	5	ug/l	08/06/06 00:00	It	ш	KS	
Toluene	<0.5	5	ug/l	08/06/06 00:00	W	n	KS	
1,2,3-Trichlorobenzene	<0.5	5	ug/l	08/06/06 00:00	n	п	KS	
1,2,4-Trichlorobenzene	<0.5	5	ug/l	08/06/06 00:00	It	U	KS	
1,1,1-Trichloroethane	<0.5	5	ug/l	08/06/06 00:00	П	11	KS	
1,1,2-Trichloroethane	<0.5	5	ug/l	08/06/06 00:00	н	n	KS	
Trichloroethene	0.9	5	ug/l	08/06/06 00:00	н	19	KS	HIST
Trichlorofluoromethane	<0.5	5	ug/l	08/06/06 00:00	Ш	R	KS	
1,2,3-Trichloropropane	<0.5	5	ug/l	08/06/06 00:00	Ш	ti	KS	
1,2,4-Trimethylbenzene	<0.5	5	ug/l	08/06/06 00:00	Ш	п	KS	
1,3,5-Trimethylbenzene	<0.5	5	ug/l	08/06/06 00:00	11	11	KS	
Vinyl chloride	<0.5	2	ug/l	08/06/06 00:00	11	11	KS	
m,p-Xylene	<0.5	5	ug/l	08/06/06 00:00	11	11	KS	
o-Xylene	<0.5	5	ug/l	08/06/06 00:00	11	11	KS	
Methyl tert-butyl ether	0.7	10	ug/l	08/06/06 00:00	91	п	KS	
Surrogate: Chlorofluorobenzene Surrogate: Chlorofluorobenzene		93.0 % 89.0 %	80-1 80-1		11	*1	KS 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.

Eastern Laboratory Services Ltd

quality **m** accuracy **m** reliability

SDWIS

Johnson City Water De 44 Camden Street Johnson City NY, 1379	0	<u> </u>		Project: Project No: Project Manager:	James Hamm		Report 08/22/06	
	ell #6 Drinking Wate	er)				08/03/06 09:25 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	u	n	KS	
Bromochloromethane	<0.5	5	ug/l	08/06/06 00:00	"	п	KS	
Bromomethane	<0.5	5	ug/l	08/06/06 00:00		U	KS	
n-Butylbenzene	<0.5	5	ug/l	08/06/06 00:00	11	II.	KS	
sec-Butylbenzene	<0.5	5	ug/l	08/06/06 00:00	ii	31	KS	
tert-Butylbenzene	<0.5	5	ug/l	08/06/06 00:00	41	n	KS	
Carbon tetrachloride	<0.5	5	ug/l	08/06/06 00:00	IJ	н	KS	
Chlorobenzene	<0.5	5	ug/l	08/06/06 00:00		н	KS	
Chloroethane	<0.5	5	ug/l	08/06/06 00:00	II.	U	KS	
Chloromethane	<0.5	5	ug/l	08/06/06 00:00	п	11	KS	
2-Chlorotoluene	<0.5	5	ug/l	08/06/06 00:00	11	R	KS	
4-Chlorotoluene	<0.5	5	ug/l	08/06/06 00:00	0	*1	KS	
Dibromomethane	<0.5	5	ug/l	08/06/06 00:00	п	п	KS	
1,2-Dichlorobenzene	<0.5	5	ug/l	08/06/06 00:00	n	п	KS	
1,3-Dichlorobenzene	<0.5	5	ug/l	08/06/06 00:00	ц	D	KS	
1,4-Dichlorobenzene	<0.5	5	ug/l	08/06/06 00:00	п	*	KS	
Dichlorodifluoromethane	<0.5	5	ug/l	08/06/06 00:00	11	U	KS	LLFB
1,1-Dichloroethane	<0.5	5	ug/l	08/06/06 00:00	11	п	KS	
,2-Dichloroethane	<0.5	5	ug/l	08/06/06 00:00	11	11	KS	
I,1-Dichloroethene	<0.5	5	ug/l	08/06/06 00:00	n	W	KS	
cis-1,2-Dichloroethene	<0.5	5	ug/l	08/06/06 00:00	11	u	KS	
rans-1,2-Dichloroethene	<0.5	5	ug/l	08/06/06 00:00	U	н	KS	
,2-Dichloropropane	<0.5	5	ug/l	08/06/06 00:00	U.	н	KS	
,3-Dichloropropane	<0.5	5	ug/l	08/06/06 00:00	11	IJ	KS	
2,2-Dichloropropane	<0.5	5	ug/l	08/06/06 00:00	11	"	KS	AA
,1-Dichloropropene	<0.5	5	ug/l	08/06/06 00:00	п	u	KS	
cis-1,3-Dichloropropene	<0.5	5	ug/l	08/06/06 00:00	u	u	KS	
rans-1,3-Dichloropropene	<0.5	5	ug/l	08/06/06 00:00	11	U	KS	

Eastern Laboratory Services Ltd

quality **B** accuracy **B** reliability



Johnson City Water Depar 44 Camden Street Johnson City NY, 13790				Project: Project No: Project Manager:			Report 08/22/06	
Well 6H03094-03 (Dr		er)				08/03/06 09:25 08/03/06 10:40		
Analyte	Result	MCL	Units	Prepared	Analyzed	Method	Analyst	Notes
EPA 502.2 Volatile Organic C	ompounds	(NY List)	•					
Hexachlorobutadiene	<0.5	5	ug/l	08/06/06 00:00	11	EPA 502.2	KS	
Isopropylbenzene	<0.5	5	ug/l	08/06/06 00:00	U.	10	KS	
p-Isopropyltoluene	<0.5	5	ug/l	08/06/06 00:00	18	17	KS	
Methylene chloride	<0.5	5	ug/l	08/06/06 00:00	11	14	KS	
n-Propylbenzene	<0.5	5	ug/l	08/06/06 00:00	11	n	KS	
Styrene	<0.5	5	ug/l	08/06/06 00:00	•1	и	KS	
1,1,1,2-Tetrachloroethane	<0.5	5	ug/l	08/06/06 00:00	11	D	KS	
1,1,2,2-Tetrachloroethane	< 0.5	5	ug/l	08/06/06 00:00	11	U	KS	
Tetrachloroethene	<0.5	5	ug/l	08/06/06 00:00	11	U	KS	
Toluene	<0.5	5	ug/l	08/06/06 00:00	н	п	KS	
1,2,3-Trichlorobenzene	<0.5	5	ug/l	08/06/06 00:00	н	u	KS	
1,2,4-Trichlorobenzene	<0.5	5	ug/l	08/06/06 00:00	п	u	KS	
1,1,1-Trichloroethane	<0.5	5	ug/l	08/06/06 00:00	П	u	KS	
1,1,2-Trichloroethane	<0.5	5	ug/l	08/06/06 00:00	н	a	KS	
Trichloroethene	<0.5	5	ug/l	08/06/06 00:00	U.	41	KS	
Trichlorofluoromethane	<0.5	5	ug/l	08/06/06 00:00	IF.	11	KS	
1,2,3-Trichloropropane	<0.5	5	ug/l	08/06/06 00:00	U.	11	KS	
1,2,4-Trimethylbenzene	<0.5	5	ug/l	08/06/06 00:00	11	W	KS	
1,3,5-Trimethylbenzene	<0.5	5	ug/l	08/06/06 00:00	0	н	KS	
Vinyl chloride	<0.5	2	ug/l	08/06/06 00:00	u.	11	KS	
m,p-Xylene	<0.5	5	ug/l	08/06/06 00:00	U.	it .	KS	
o-Xylene	<0.5	5	ug/l	08/06/06 00:00	u.	14	KS	
Methyl tert-butyl ether	<0.5	10	ug/l	08/06/06 00:00	11	4	KS	
Surrogate: Chlorofluorobenzene (P	 (D)	97.0%	80-1	120	11	11	KS	
Surrogate: Chlorofluorobenzene (E		93.0%	80-1	20	n	17	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	t#	II	PDB	



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Johnson City Water De 44 Camden Street Johnson City NY, 137				Project: Project No: Project Manager:	James Hamm		Repor 08/22/06	
	/ell #6 (Drinking Wat	er)				08/03/06 09:25 08/03/06 10:40		
Analyte	Result	MCL	Units	Prepared	Analyzed	Method	Analyst	Notes
EPA 508 Pesticides and PC	CB 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	11	11	PDB	
PCBs as Aroclors (screen)	Presence) 0.1	ug/l	08/09/06 00:00	II	I9	PDB	AAa
Surrogate: beta-BHC	\bigcirc	95.1%	70-1	130	u.	U	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	0	u		
Dicamba	<0.3	50	ug/l	08/11/06 08:00	11	n		
Dinoseb	<0.5	7	ug/l	08/11/06 08:00	П	11		
Pentachlorophenol	<0.3	1	ug/l	08/11/06 08:00	п	в		
Picloram	<0.3	50 0	ug/l	08/11/06 08:00	D.	U		
2,4,5-TP (Silvex)	<0.3	50	ug/l	08/11/06 08:00	r,	U		
EPA 525.2 Semivolatile Or	ganic Compou	nds						
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	11	*1	RJH	
Atrazine	<0.10	3	ug/l	08/16/06 00:00	Ш	u	RJH	
Benzo (a) pyrene	<0.10	0.2	ug/l			18	RJH	
Di(2-ethylhexyl)adipate	<2.00	400	ug/l	08/16/06 00:00	Ш	It	RJH	
Di(2-ethylhexyl)phthalate	<2.00	6	ug/l	08/16/06 00:00	11	D	RJH	
Butachlor	<2.00	50	ug/l	08/16/06 00:00	I	U	RJH	
Endrin	<0.10	2	ug/l	08/16/06 00:00	и	u	RJH	
Heptachlor	<0.10	0.4	ug/l	08/16/06 00:00	41	н	RJH	
Heptachlor epoxide	<0.10	0.2	ug/l	08/16/06 00:00	ц	M	RJH	
Hexachlorobenzene	<0.10	1	ug/l	08/16/06 00:00	н	11	RJH	
Hexachlorocyclopentadiene	<0.10	50	ug/l	08/16/06 00:00	н	łt	RJH	LLFE
HCH-gamma (Lindane)	<0.10	0.2	ug/l	08/16/06 00:00	н	18	RJH	
Methoxychlor	<0.10	40	ug/l	08/16/06 00:00	н	IT	RJH	
Metolachlor	<2.00	50	ug/l	08/16/06 00:00	IF	n	RJH	
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Certificate of Analysis

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Johnson City Water Depa 44 Camden Street Johnson City NY, 13790	artment			Project: Project No: Project Manager:			Report 08/22/06	
Wel 6H03094-03 (D	ll #6 rinking Wat	er)			-	08/03/06 09:25 08/03/06 10:40		
Analyte	Result	MCL	Units	Prepared	Analyzed	Method	Analyst	Notes
EPA 525.2 Semivolatile Orga	nic Compou	nds						
Propachlor	<1.00	50	ug/l	08/16/06 00:00	П	EPA 525.2	RJH	
Simazine	<0.10	4	ug/l	08/16/06 00:00	U	71	RJH	
Dieldrin	<0.10	5	ug/l	08/16/06 00:00	u	n	RЛН	
Surrogate: 1,3-Dimethyl-2-nitrobe	enzene	93.8 %	70-,	130	ŧ	н	RJH	
Surrogate: Triphenyl phosphate		107 %	70-1		H	U	RJH	
Surrogate: Perylene-d12		92.4 %	70-1	130	IJ	п	RJH	
EPA 531.1 Carbamate Pestic								
Aldicarb sulfoxide	<1.0	4	ug/l	08/11/06 00:00	08/11/06 00:00	EPA 531.I	IC	
Aldicarb sulfone	<1.0	2	ug/l	08/11/06 00:00	Ш	le .	IC	
Dxamyl	<1.0	200	ug/l	08/11/06 00:00	Ш	*1	IC	
Methomyl	<1.0	0	ug/l	08/11/06 00:00	11	n	IC	
-Hydroxycarbofuran	<1.0	0	ug/l	08/11/06 00:00	U	n	IC	
Aldicarb	<1.0	3	ug/l	08/11/06 00:00	n	н	IC	
Carbofuran	<1.0	40	ug/l	08/11/06 00:00	U.	U	IC	
Carbaryl	<1.0	0	ug/l	08/11/06 00:00	11	п	IC	
AA = Analysis performed by AAa = Presence of Aroclor 12 BNCH* = Analysis performed by	254 confirmed	on an anal			ase as per EPA Metho	od 508 (File ECR77	702).	
LLFB = LFB % Recovery belo TB = Trip Blank not analyze	w acceptance l	imits. The	e result ma	y be biased low.	hod. SDV	VIS		
Distribution-100 6H03094-04 (D					Date Sampled: Date Received:	08/03/06 09:55 08/03/06 10:40	<u> </u>	
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	11	u	KS	
Chlorodibromomethane	7.5	80	ug/l	08/06/06 00:00	11	n	KS	

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Certificate of Analysis

44 Camden Street Johnson City NY, 1379	0			Project No: Project Manager:			Report 06/23/06	
Well 6E17034-01 (1	2-Raw Drinking Wate	er)				05/17/06 10:10 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	СҮ	
Bromobenzene	<0.5	5	ug/l	05/27/06 00:00	11	U	CY	
Bromochloromethane	<0.5	5	ug/l	05/27/06 00:00	н		CY	
Bromomethane	<0.5	5	ug/l	05/27/06 00:00	н)r	CY	
-Butylbenzene	<0.5	5	ug/l	05/27/06 00:00	"	u	CY	
ec-Butylbenzene	<0.5	5	ug/l	05/27/06 00:00	11	п	CY	
ert-Butylbenzene	<0.5	5	ug/l	05/27/06 00:00	IF.	IJ	CY	
Carbon tetrachloride	<0.5	5	ug/l	05/27/06 00:00	п	19	CY	
Chlorobenzene	<0.5	5	ug/l	05/27/06 00:00	11	n	CY	
chloroethane	<0.5	5	ug/l	05/27/06 00:00	*1	п	CY	
hloromethane	<0.5	5	ug/l	05/27/06 00:00	U	п	CY	
-Chlorotoluene	<0.5	5	ug/l	05/27/06 00:00	Ш		CY	
-Chlorotoluene	<0.5	5	ug/l	05/27/06 00:00	11	"	CY	
Dibromomethane	<0.5	5	ug/l	05/27/06 00:00	"	u	CY	
,2-Dichlorobenzene	<0.5	5	ug/l	05/27/06 00:00	U	н	CY	
,3-Dichlorobenzene	<0.5	5	ug/l	05/27/06 00:00	It	"	CY	
,4-Dichlorobenzene	<0.5	5	ug/l	05/27/06 00:00	н	n	CY	
Dichlorodifluoromethane			—ug/ł—	—05/ 27 /06-00:00—		0	Сү	LLFB
,1-Dichloroethane	<0.5	5	ug/l	05/27/06 00:00	n	n	CY	
,2-Dichloroethane	<0.5	5	ug/l	05/27/06 00:00	U II	61	CY	
,1-Dichloroethene	<0.5	5	ug/l	05/27/06 00:00	11	u	CY	
is-1,2-Dichloroethene	<0.5	5	ug/l	05/27/06 00:00	н	u	CY	
rans-1,2-Dichloroethene	<0.5	5	ug/l	05/27/06 00:00	10	U	CY	
,2-Dichloropropane	<0.5	5	ug/l	05/27/06 00:00	10)r	CY	
,3-Dichloropropane	<0.5	5	ug/l	05/27/06 00:00	11	n	CY	
,2-Dichloropropane	<0.5	5	ug/l	05/27/06 00:00	"	u	CY	
,1-Dichloropropene	<0.5	5	ug/l	05/27/06 00:00	н	н	CY	
is-1,3-Dichloropropene	<0.5	5	ug/l	05/27/06 00:00	18	17	CY	
ans-1,3-Dichloropropene	<0.5	5	ug/l	05/27/06 00:00	•	u	CY	

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Joene Chu

Reviewed by Irene Chu, Laboratory Director

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quality **m** accuracy **m** reliability

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Certificate of Analysis

Johnson City Water Dep 44 Camden Street Johnson City NY, 13790				Project: Project No: Project Manager:			Report 06/23/0 <u>6</u>	
Well (6E17034-01 (D	2-Raw Prinking Wate	er)				05/17/06 10:10 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	*1	EPA 502.2	CY	
Hexachlorobutadiene	<0.5	5	ug/l	05/27/06 00:00	U	u	CY	
Isopropylbenzene	<0.5	5	ug/l	05/27/06 00:00	U.	u	CY	
p-Isopropyltoluene	<0.5	5	ug/l	05/27/06 00:00	0	п	CY	
Methylene chloride	<0.5	5	ug/l	05/27/06 00:00	It	n	CY	
n-Propylbenzene	<0.5	5	ug/l	05/27/06 00:00	II	н	CY	
Styrene	<0.5	5	ug/l	05/27/06 00:00	и	U	CY	
1,1,1,2-Tetrachloroethane	<0.5	5	ug/l	05/27/06 00:00	н	19	CY	
1,1,2,2-Tetrachloroethane	<0.5	5	ug/l	05/27/06 00:00	II	1*	CY	
Tetrachloroethene	<0.5	5	ug/l	05/27/06 00:00	н	п	CY	
Toluene	<0.5	5	ug/l	05/27/06 00:00	11	n	CY	
1,2,3-Trichlorobenzene	<0.5	5	ug/l	05/27/06 00:00	11	n	CY	
1,2,4-Trichlorobenzene	<0.5	5	ug/l	05/27/06 00:00	"	u	CY	
1,1,1-Trichloroethane	<0.5	5	ug/l	05/27/06 00:00	"	n	CY	
1,1,2-Trichloroethane	<0.5	5	ug/l	05/27/06 00:00		u	CY	
Trichloroethene	0.8	5	ug/l	05/27/06 00:00		н	CY	HIST
Trichlorofluoromethane	<0.5	5	ug/l	05/27/06 00:00	н	н	CY	
1,2,3-Trichloropropane	<0.5		—ug/l—	—05/ 27/ 06-00:00—		U	-CY	
1,2,4-Trimethylbenzene	<0.5	5	ug/l	05/27/06 00:00	μ	n	CY	
1,3,5-Trimethylbenzene	<0.5	5	ug/l	05/27/06 00:00	11	10	CY	
Vinyl chloride	<0.5	2	ug/l	05/27/06 00:00	п	*	CY	
m,p-Xylene	<0.5	5	ug/l	05/27/06 00:00	u –	n	CY	
o-Xylene	<0.5	5	ug/l	05/27/06 00:00	п	a	CY	
Methyl tert-butyl ether	<0.5	10	ug/l	05/27/06 00:00	u	u	CY	
	(PID)	114%	80-1	20		U	СҮ	
Surrogate: Chlorofluorobenzene (113 %	80-1	20	н	υ	CY	

HIST = Historically present.

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

Eastern Laboratory Services, Ltd.

Joene Chu

Reviewed by Irene Chu, Laboratory Director

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quality **a** accuracy **b** reliability

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		SĽ			<u>Certificat</u>	e of Ana	<u>lysis</u>	
Johnson City Water Depar 44 Camden Street Johnson City NY, 13790	tment)	Project: I Project No: [Project Manager: J	ames Hamm		Report 06/23/06	
Well 2-T 6E17034-02 (Dr		er)			Date Sampled: (Date Received: (
Analyte	Result	MCL	Units	Prepared	Analyzed	Method	Analyst	Notes
EPA 502.2 Volatile Organic C	ompouuds ((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	н	91	CY	
Bromochloromethane	<0.5	5	ug/l	05/27/06 00:00	Ш	IF	CY	
Bromomethane	<0.5	5	ug/l	05/27/06 00:00	II.	11	CY	
n-Butylbenzene	<0.5	5	ug/l	05/27/06 00:00	n	D	CY	
sec-Butylbenzene	<0.5	5	ug/l	05/27/06 00:00	TP	n	CY	
tert-Butylbenzene	< 0.5	5	ug/l	05/27/06 00:00	U	н	CY	
Carbon tetrachloride	<0.5	5	ug/l	05/27/06 00:00	•1	н	CY	
Chlorobenzene	<0.5	5	ug/l	05/27/06 00:00	Ш	Ü	CY	
Chloroethane	<0.5	5	ug/l	05/27/06 00:00	11	u	CY	
Chloromethane	<0.5	5	ug/l	05/27/06 00:00	н	71	CY	
2-Chlorotoluene	<0.5	5	ug/l	05/27/06 00:00	н	11	CY	
4-Chlorotoluene	<0.5	5	ug/l	05/27/06 00:00	н	18	CY	
Dibromomethane	<0.5	5	ug/l	05/27/06 00:00	It	n	CY	
1,2-Dichlorobenzene	<0.5	5	ug/l	05/27/06 00:00	0	D	CY	
1,3-Dichlorobenzene	< 0.5	5	ug/l	05/27/06 00:00	11	н	CY	
1,4-Dichlorobenzene	<0.5	5	ug/l	05/27/06 00:00		п	СҮ	
Dichlorodifluoromethane	< 0.5	5	ug/l	05/27/06 00:00	11	a	CY	LLFB
1,1-Dichloroethane	<0.5	5	ug/l	05/27/06 00:00	11	u	CY	
1,2-Dichloroethane	<0.5	5	ug/l	05/27/06 00:00	н	n	CY	
1,1-Dichloroethene	<0.5	5	ug/l	05/27/06 00:00	н	"	CY	
cis-1,2-Dichloroethene	<0.5	5	ug/l	05/27/06 00:00	н	п	CY	
trans-1,2-Dichloroethene	<0.5	5	ug/l	05/27/06 00:00	н	11	CY	
1,2-Dichloropropane	<0.5	5	ug/l	05/27/06 00:00	If	P	CY	
1,3-Dichloropropane	<0.5	5	ug/l	05/27/06 00:00	u	D	CY	
2,2-Dichloropropane	<0.5	5	ug/l	05/27/06 00:00	u.	D	CY	
1,1-Dichloropropene	<0.5	5	ug/l	05/27/06 00:00		n	CY	
cis-1,3-Dichloropropene	<0.5	5	ug/i	05/27/06 00:00		D	CY	
trans-1,3-Dichloropropene	<0.5	5	ug/l	05/27/06 00:00	U	n	CY	
Ethylbenzene	<0.5	5	ug/l	05/27/06 00:00		н	CY	

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

Johnson City Water Depart 44 Camden Street Johnson City NY, 13790	ment			Project: 1 Project No: 1 Project Manager: 3			Report 06/23/06	
Well 2-T 6E17034-02 (Dri		er)		• . .		05/17/06 10:15 05/17/06 11:50		
Analyte	Result	MCL	Units	Prepared	Analyzed	Method	Analyst	Notes
EPA 502.2 Volatile Organic Co	mpounds (NY List)					
Hexachlorobutadiene	<0.5	5	ug/l	05/27/06 00:00	'n	EPA 502.2	CY	
sopropylbenzene	<0.5	5	ug/l	05/27/06 00:00	U	н	CY	
o-Isopropyltoluene	<0.5	5	ug/l	05/27/06 00:00	n	п	CY	
Aethylene chloride	<0.5	5	ug/l	05/27/06 00:00	и	н	CY	
-Propylbenzene	<0.5	5	ug/l	05/27/06 00:00	n	u	CY	
Styrene	<0.5	5	ug/l	05/27/06 00:00	11	u	CY	
,1,1,2-Tetrachloroethane	<0.5	5	ug/l	05/27/06 00:00	11	u	CY	
,1,2,2-Tetrachloroethane	<0.5	5	ug/l	05/27/06 00:00	н	u	CY	
Cetrachloroethene	<0.5	5	ug/l	05/27/06 00:00	н	n	CY	
Coluene	< 0.5	5	ug/l	05/27/06 00:00	н	"	CY	
,2,3-Trichlorobenzene	<0.5	5	ug/l	05/27/06 00:00	н	n	CY	
,2,4-Trichlorobenzene	<0.5	5	ug/l	05/27/06 00:00	11	n	CY	
,1,1-Trichloroethane	<0.5	5	ug/l	05/27/06 00:00	It	R	CY	
,1,2-Trichloroethane	<0.5	5	ug/l	05/27/06 00:00	IT	P	CY	
Frichloroethene	<0.5	5	ug/l	05/27/06 00:00	11	17	CY	
richlorofluoromethane	<0.5	5	ug/l	05/27/06 00:00	11	U	CY	
,2,3-Trichloropropane	<0.5	5	ug/l	05/27/06 00:00	11	н	CY	
,2,4-Trimethylbenzene	<0.5	5	ug/l	05/27/06 00:00	11	n	CY	
,3,5-Trimethylbenzene	<0.5	5	ug/l	05/27/06 00:00	"	U	CY	
/inyl chloride	<0.5	2	ug/l	05/27/06 00:00	"	u	CY	
n,p-Xylene	<0.5	5	ug/l	05/27/06 00:00	41	н	CY	
o-Xylene	<0.5	5	ug/l	05/27/06 00:00	11	п	CY	
Methyl tert-butyl ether	<0.5	10	ug/l	05/27/06 00:00	11	ч	CY	
Surrogate: Chlorofluorobenzene (P. Surrogate: Chlorofluorobenzene (E. LLFB = LFB % Recovery below	LCD)	118 % 111 % limits. Th	80-1 80-1 e result ma	120 C M M		11	CY CY	
6E17034-03 (Dri	6	Dí			-	05/17/06 10:45 05/17/06 11:50		

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quality **accuracy reliability**

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Certificate of Analysis

Johnson City Water Department 44 Camden Street Johnson City NY, 13790	44 Camden Street Johnson City NY, 13790			Project: 1 Project No: Project Manager: .	Rep 0 06/23/0			
EPA 502.2 Volatile Organic Comp	ounds ()	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	Ш	u	CY	
Bromochloromethane	<0.5	5	ug/l	05/28/06 00:00	н	u	CY	
Bromomethane	<0.5	5	ug/l	05/28/06 00:00	It	u	CY	
1-Butylbenzene	<0.5	5	ug/l	05/28/06 00:00	H.	u	CY	
sec-Butylbenzene	<0.5	5	ug/l	05/28/06 00:00	D.	a	CY	
ert-Butylbenzene	<0.5	5	ug/l	05/28/06 00:00		u.	CY	
Carbon tetrachloride	<0.5	5	ug/l	05/28/06 00:00	n	17	CY	
Chlorobenzene	<0.5	5	ug/l	05/28/06 00:00	н	и	CY	
Chloroethane	<0.5	5	ug/l	05/28/06 00:00	11	U	CY	
Chloromethane	<0.5	5	ug/l	05/28/06 00:00	41	U	CY	
2-Chlorotoluene	<0.5	5	ug/l	05/28/06 00:00	Ш	u	CY	
4-Chlorotoluene	<0.5	5	ug/l	05/28/06 00:00	н	н	CY	
Dibromomethane	<0.5	5	ug/l	05/28/06 00:00	Ш	u	CY	
,2-Dichlorobenzene	<0.5	5	ug/l	05/28/06 00:00	IF.	11	CY	
1,3-Dichlorobenzene	<0.5	5	ug/l	05/28/06 00:00	IT	11	CY	
1,4-Dichlorobenzene	<0.5	5	ug/l	05/28/06 00:00	II	11	CY	
Dichlorodifluoromethane	<0.5	5	ug/l	05/28/06 00:00	IF	11	CY	LLFB
1,1-Dichloroethane	<0.5	5	ug/l	05/28/06 00:00	IF	10	CY	
1,2-Dichloroethane	<0.5	5	ug/l	05/28/06 00:00	n		CY	
1,1-Dichloroethene	<0.5	5	ug/l	05/28/06 00:00	n	17	CY	
cis-1,2-Dichloroethene	<0.5	-5	ug/l-	0 5/28 /0 6 -00:00		0	CY	
rans-1,2-Dichloroethene	<0.5	5	ug/l	05/28/06 00:00		U	CY	
1,2-Dichloropropane	<0.5	5	ug/l	05/28/06 00:00	4)	u	CY	
1,3-Dichloropropane	<0.5	5	ug/l	05/28/06 00:00	41	н	CY	
2,2-Dichloropropane	<0.5	5	ug/l	05/28/06 00:00	11	н	CY	
I,1-Dichloropropene	<0.5	5	ug/l	05/28/06 00:00	Ш	н	CY	
sis-1,3-Dichloropropene	<0.5	5	ug/l	05/28/06 00:00	11	н	CY	
rans-1,3-Dichloropropene	<0.5	5	ug/l	05/28/06 00:00	Ш	Ш	CY	
Ethylbenzene	<0.5	5	ug/l	05/28/06 00:00	Ш	и	CY	
Hexachlorobutadiene	<0.5	5	ug/l	05/28/06 00:00	н	71	CY	
Isopropylbenzene	<0.5	5	ug/l	05/28/06 00:00	н	*1	CY	
p-Isopropyltoluene	<0.5	5	ug/l	05/28/06 00:00	и	51	CY	

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Certificate of Analysis

Johnson City Water Departs 44 Camden Street Johnson City NY, 13790	ment			Project: I Project No: [Project Manager: J			Report 06/23/06	
Well 6E17034-03 (Drin		er)			Date Sampled: Date Received:	05/17/06 10:45 05/17/06 11:50		
Analyte	Result	MCL	Units	Prepared	Analyzed	Method	Analyst	Notes
EPA 502.2 Volatile Organic Co	mpounds (NY List)						
Methylene chloride	<0.5	5	ug/l	05/28/06 00:00	41	EPA 502.2	CY	
n-Propylbenzene	<0.5	5	ug/l	05/28/06 00:00	Ш	u	CY	
Styrene	<0.5	5	ug/l	05/28/06 00:00	н	n	CY	
1,1,1,2-Tetrachloroethane	<0.5	5	ug/l	05/28/06 00:00	п	18	CY	
1,1,2,2-Tetrachloroethane	<0.5	5	ug/l	05/28/06 00:00	If	19	CY	
Tetrachloroethene	<0.5	5	ug/l	05/28/06 00:00	U.	п	CY	
Toluene	<0.5	5	ug/l	05/28/06 00:00	15	н	CY	
1,2,3-Trichlorobenzene	<0.5	5	ug/l	05/28/06 00:00	11	u	CY	
1,2,4-Trichlorobenzene	<0.5	5	ug/l	05/28/06 00:00	11	U	CY	
1,1,1-Trichloroethane	<0.5	5	ug/l	05/28/06 00:00	н	u	CY	
1,1,2-Trichloroethane	<0.5	5	ug/l	05/28/06 00:00	н	11	CY	
Trichloroethene	<0.5	5	ug/l	05/28/06 00:00	н	и	CY	
Trichlorofluoromethane	<0.5	5	ug/l	05/28/06 00:00	u.	II	CY	
1,2,3-Trichloropropane	<0.5	5	ug/l	05/28/06 00:00	U.	11	CY	
1,2,4-Trimethylbenzene	<0.5	5	ug/l	05/28/06 00:00	*	н	CY	
1,3,5-Trimethylbenzene	< 0.5	5	ug/l	05/28/06 00:00	+1	n	CY	
Vinyl chloride	<0.5	2	ug/l	05/28/06 00:00	11	н	CY	
m,p-Xylene	<0.5	5	ug/l	05/28/06 00:00	н	н	CY	
o-Xylene	<0.5	5	ug/l	05/28/06 00:00	П	u	СҮ	
Methyl tert-butyl ether	<0.5	10	ug/l	05/28/06 00:00	II 	n	СҮ	
Surrogate: Chlorofluorobenzene (PI Surrogate: Chlorofluorobenzene (El LLFB = LFB % Recovery below	LCD)	112 % 105 % limits. The		20 000 1000 1 /A	"	R R	CY CY	
Well 6E17034-04 (Dri	3		pog		-	05/17/06 10:30 05/17/06 11:50		
Analyte	Result	MCL	Units	Prepared	Analyzed	Method	Analyst	Notes
Conventional Chemistry Parar	neters by A	PHA/EP	A Meth	ods				
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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Certificate of Analysis

Johnson City Water Dep 44 Camden Street Johnson City NY, 13790		POS	10	Project: Project No: Project Manager:			Report 06/23/06	
W 6E17034-04 (I	ell 3 Drinking Wat	er)				05/17/06 10:30 05/17/06 11:50		
Analyte	Result	MCL	Units	Prepared	Analyzed	Method	Analyst	Note
Conventional Chemistry Pa	rameters by A	PHA/E	PA Meth	ods				
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	lt	9	CY	
Bromochloromethane	<0.5	5	ug/l	05/28/06 00:00	Ш	u	CY	
Bromomethane	<0.5	5	ug/l	05/28/06 00:00	11	u	CY	
n-Butylbenzene	<0.5	5	ug/l	05/28/06 00:00	11	n	CY	
ec-Butylbenzene	<0.5	5	ug/l	05/28/06 00:00	0	U	CY	
ert-Butylbenzene	<0.5	5	ug/l	05/28/06 00:00	н	н	CY	
Carbon tetrachloride	<0.5	5	ug/l	05/28/06 00:00	Ш	a	CY	
Chlorobenzene	<0.5	5	ug/l	05/28/06 00:00	н	u	CY	
Chloroethane	<0.5	5	ug/l	05/28/06 00:00	14	н	CY	
Chloromethane	<0.5	5	ug/l	05/28/06 00:00	If	u	CY	
2-Chlorotoluene	<0.5	5	ug/l	05/28/06 00:00	11	п	CY	
I-Chlorotoluene	<0.5	5	ug/l	05/28/06 00:00		н	CY	
Dibromomethane	<0.5	5	ug/l	05/28/06 00:00	10	D	CY	
,2-Dichlorobenzene	<0.5	5	ug/l	05/28/06 00:00	Ц	It	CY	
,3-Dichlorobenzene	<0.5		—ug/l—				СҮ	
,4-Dichlorobenzene	<0.5	5	ug/l	05/28/06 00:00		и	CY	
Dichlorodifluoromethane	<0.5	5	ug/l	05/28/06 00:00	U.	н	CY	LLFE
,1-Dichloroethane	<0.5	5	ug/l	05/28/06 00:00	1¢	u.	CY	
,2-Dichloroethane	<0.5	5	ug/l	05/28/06 00:00	11	11	CY	
,1-Dichloroethene	<0.5	5	ug/l	05/28/06 00:00	•	u	CY	
is-1,2-Dichloroethene	<0.5	5	ug/l	05/28/06 00:00	11	н	CY	
rans-1,2-Dichloroethene	<0.5	5	ug/l	05/28/06 00:00	14	D	CY	
,2-Dichloropropane	<0.5	5	ug/l	05/28/06 00:00	11	n	CY	
,3-Dichloropropane	<0.5	5	ug/l	05/28/06 00:00	n	a	CY	
,2-Dichloropropane	<0.5	5	ug/l	05/28/06 00:00	U	U	CY	
,1-Dichloropropene	<0.5	5	ug/l	05/28/06 00:00		u	CY	

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quality **a**ccuracy **m** reliability

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Certificate of Analysis

Johnson City Water Depa 44 Camden Street Johnson City NY, 13790	() ()	081	[]	Project: 1 Project No: Project Manager: .		<u></u>	Report 06/23/06	
We 6E17034-04 (D	ll 3 rinking Wate	er)				05/17/06 10:30 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	14	EPA 502.2	CY	
rans-1,3-Dichloropropene	<0.5	5	ug/l	05/28/06 00:00	19	19	CY	
Ethylbenzene	<0.5	5	ug/l	05/28/06 00:00	U	19	CY	
Hexachlorobutadiene	<0.5	5	ug/l	05/28/06 00:00	"	n	CY	
sopropylbenzene	<0.5	5	ug/l	05/28/06 00:00	11	п	CY	
o-Isopropyltoluene	<0.5	5	ug/l	05/28/06 00:00	11	н	CY	
Methylene chloride	<0.5	5	ug/l	05/28/06 00:00	Ш	п	CY	
n-Propylbenzene	<0.5	5	ug/l	05/28/06 00:00	μ	u	CY	
Styrene	<0.5	5	ug/l	05/28/06 00:00	II	ш	CY	
,1,1,2-Tetrachloroethane	<0.5	5	ug/l	05/28/06 00:00	Ш	4	CY	
,1,2,2-Tetrachloroethane	<0.5	5	ug/l	05/28/06 00:00	It	11	CY	
Tetrachloroethene	<0.5	5	ug/l	05/28/06 00:00	II.	1t	CY	
Toluene	<0.5	5	ug/l	05/28/06 00:00	U	17	CY	
,2,3-Trichlorobenzene	<0.5	5	ug/l	05/28/06 00:00	U	n	CY	
,2,4-Trichlorobenzene	<0.5	5	ug/l	05/28/06 00:00	0	п	CY	
,1,1-Trichloroethane	1.1	5	ug/l	05/28/06 00:00	H	п	CY	HIST
,1,2-Trichloroethane	<0.5	5	ug/l	05/28/06 00:00	H	D	CY	
Frichloroethene	1.1	5	ug/l	05/28/06 00:00	"	D	CY	HIST
Frichlorofluoromethane	<0.5	5	ug/l	05/28/06 00:00		Ш	CY	
,2,3-Trichloropropane	<0.5	5	ug/l	05/28/06 00:00		U	CY	
1,2,4-Trimethylbenzene	<0.5	5	ug/l	05/28/06 00:00	a	u	CY	
,3,5-Trimethylbenzene	<0.5	5	ug/l	05/28/06 00:00	"	н	CY	
Vinyl chloride	<0.5	2	ug/l	05/28/06 00:00	11	u	CY	
n,p-Xylene	<0.5	5	ug/l	05/28/06 00:00	п	u	CY	
o-Xylene	<0.5	5	ug/l	05/28/06 00:00	п	п	CY	
Methyl tert-butyl ether	<0.5	10	ug/l	05/28/06 00:00	11	u	СҮ	
Surrogate: Chlorofluorobenzene ((PID)	110%	80-,	20		1	СҮ	
Surrogate: Chlorofluorobenzene (105 %	80-1	20	u	11	CY	
EPA 504.1 Microextractable	5							TB

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Johnson City Water Depart 44 Camden Street Johnson City NY, 13790	ment			Project: Project No: Project Manager:	• -		Reported: 06/23/06 15:15	
Well 6E17034-04 (Dri		er)				05/17/06 10:30 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	"	u	PDB	
Surrogate: Tetrachloro-meta-xylene		97.0 %	70-12	30	11	a	PDB	
EPA 508 Pesticides and PCB S	creen							
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	п	я	PDB	
PCBs as Aroclors (screen)	Absence	0.5	ug/l	05/22/06 00:00	IF	11	PDB	
Surrogate: beta-BHC		81.3 %	70-1.	30	u	19	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	11	D		
Dicamba	<0.3	50	ug/l	05/19/06 09:40	11	н		
Dinoseb	<0.5	7	ug/l	05/19/06 09:40	11 -	н		
Pentachlorophenol	<0.3	1	ug/l	05/19/06 09:40	11	U		
Picloram	< 0.3	500	ug/l	05/19/06 09:40	41	U		
2,4,5-TP (Silvex)	<0.3	50	ug/l	05/19/06 09:40	11	н		
EPA 525.2 Semivolatile Organ	ic Compou	nds						
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	μ	Ш	RJH	
Atrazine	< 0.10	3	ug/l	05/22/06 00:00	н	ш	RJH	
Benzo (a) pyrene	<0.10	0.2	ug/l	05/22/06 00:00	н	п	RJH	
Di(2-ethylhexyl)adipate	<2.00	400	ug/l	05/22/06 00:00	п	н	RJH	
Di(2-ethylhexyl)phthalate	<2.00	6	ug/l	05/22/06 00:00	11	n	RJH	
Butachlor	<2.00	50	ug/l	05/22/06 00:00	н	н	RJH	
Endrin	<0.10	2	ug/l	05/22/06 00:00	н		RJH	
Heptachlor	<0.10	0.4	ug/l	05/22/06 00:00	п	*1	RJH	
Heptachlor epoxide	<0.10	0.2	ug/l	05/22/06 00:00	11	"	RJH	
Hexachlorobenzene	<0.10	1	ug/l	05/22/06 00:00	п	Ħ	RJH	

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Certificate of Analysis

Johnson City Water Depa 44 Camden Street Johnson City NY, 13790	rtment	P ((Project: Project No: Project Manager:			•	Reported: 06/23/06 15:15		
We 6E17034-04 (Di		er)			Date Sampled: Date Received:	05/17/06 10:30 05/17/06 11:50				
Analyte	Result	MCL	Units	Prepared	Analyzed	Method	Analyst	Notes		
EPA 525.2 Semivolatile Orga	nic Compou	nds								
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	II.	н	RJH			
Methoxychlor	<0.10	40	ug/l	05/22/06 00:00	u.	н	RJH			
Metolachlor	<2.00	50	ng/l	05/22/06 00:00	11	ч	RJH			
Metribuzin	<1.00	50	ug/l	05/22/06 00:00	н	ч	RJH			
Propachlor	<1.00	50	ug/l	05/22/06 00:00	н	u	RJH			
Simazine	< 0.10	4	ug/l	05/22/06 00:00	11	ч	RJH			
Dieldrin	<0.10	5	ug/l	05/22/06 00:00	H.	n	RЛ			
Surrogate: 1,3-Dimethyl-2-nitrobe	nzene	95.6 %	70-1	130		11	RJH			
Surrogate: Triphenyl phosphate		94.4 %	70-1		11	14	RJH			
Surrogate: Perylene-d12		89.8 %	70-1	30	11	n	RJH			
EPA 531.1 Carbamate Pestici										
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	41		IC			
Oxamyl	<1.0	200	ug/l	05/17/06 11:50	11		IC			
Methomyl	<1.0	0	ug/l	05/17/06 11:50	11	U	IC			
3-Hydroxycarbofuran	<1.0	0	ug/l	05/17/06 11:50	11	D	IC			
Aldicarb	<1.0	3	ug/l	05/17/06_11:50	п	II	IC			
Carbofuran	<1.0	40	ug/l	05/17/06 11:50	II	н	IC			
Carbaryl	<1.0	0	ug/l	05/17/06 11:50	п	U	IC			
Cyanide by Semi-Automated	Spectrophot	tometry a	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 Elec					<u></u>					
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	1D			
Metals by EPA 200 Series Me	thods									
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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Johnson City Water De 44 Camden Street Johnson City NY, 1379	•			Project: Project No: Project Manager:			Report 06/23/06	
W 6E17034-04 (1	/ell 3 Drinking Wat	er)				05/17/06 10:30 05/17/06 11:50		
Analyte	Result	MCL	Units	Prepared	Analyzed	Method	Analyst	Notes
Metals by EPA 200 Series M	lethods							
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 I	EPA 200 Serie	s Metho	ds					
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	u	и	JD	
Chromium	<0.0050	0.1	mg/l	05/22/06 00:00	17	11	JD	
Nickel	<0.0020	0.1	mg/l	05/22/06 00:00	н	н	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 b HCCV = Continuing Calibrati HIST = Historically present. LLFB = LFB % Recovery bel QC* = Analysis performed b TB = Trip Blank not analy	on Verification low acceptance by NYS DOH #	was above limits. Th I 1223, PA	e acceptanc e result ma . DEP#09-	e limits. Results ma ny be biased low. 131				
	VOC-TB					05/11/06 10:00		
<u>6E1703</u> 4-05	5 (Trip Blank)				Date Received:	05/17/06 11:50		
Analyte	Result	MCL	Units	Prepared	Analyzed	Method	Analyst	Notes
EPA 502.2 Volatile Organic	Compounds (NY List)					НТ
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	11	18	CY	
Surrogate: Chlorofluorobenzene Surrogate: Chlorofluorobenzene HT = This sample was anal	(ELCD)	109 % 101 % the EPA 1	80-1 80-1 ecommeno	20	1) 12	u	CY CY	

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Certificate of Analysis

44 Camden Street Johnson City NY, 1379	0			Project No: Project Manager:			Report 03/09/06	
Well 6 B23057-01 (I	#2-Raw Drinking Wat	er)			Date Sampled: Date Received:		· · · · · ==	
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	Ш	н	CY	
Bromochloromethane	<0.5	5	ug/l	03/03/06 00:00	Ш	IJ	CY	
Bromomethane	<0.5	5	ug/l	03/03/06 00:00	Ш	IJ	CY	
n-Butylbenzene	<0.5	5	ug/l	03/03/06 00:00	Ш	II	CY	
sec-Butylbenzene	<0.5	5	ug/l	03/03/06 00:00	н	U	CY	
tert-Butylbenzene	<0.5	5	ug/l	03/03/06 00:00	н	'n	CY	
Carbon tetrachloride	<0.5	5	ug/l	03/03/06 00:00	н	н	CY	
Chlorobenzene	<0.5	5	ug/l	03/03/06 00:00	11	17	CY	
Chloroethane	<0.5	5	ug/l	03/03/06 00:00	41	It	CY	
Chloromethane	<0.5	5	ug/l	03/03/06 00:00	91	14	CY	
2-Chlorotoluene	<0.5	5	ug/l	03/03/06 00:00	41	14	CY	
4-Chlorotoluene	<0.5	5	ug/l	03/03/06 00:00	U	*1	CY	
Dibromomethane	<0.5	5	ug/l	03/03/06 00:00	и	n	CY	
1,2-Dichlorobenzene	<0.5	5	ug/l	03/03/06 00:00	u	u	CY	
1,3-Dichlorobenzene	<0.5	5	ug/l	03/03/06 00:00	u.	U	CY	
1,4-Dichlorobenzene	<0.5	5	ug/l	03/03/06 00:00	R	и	CY	
Dichlorodifluoromethane	<0.5	5	ug/l	03/03/06 00:00	Я	U	CY	
1,1-Dichloroethane	<0.5	5	ug/l	03/03/06 00:00	П	н	CY	
1,2-Dichloroethane	<0.5	5	ug/l	03/03/06 00:00	п	U	CY	
1,1-Dichloroethene	<0.5	5	ug/l	03/03/06 00:00	п	н	CY	
cis-1,2-Dichloroethene	<0.5	5	ug/l	03/03/06 00:00	н	U	CY	
trans-1,2-Dichloroethene	<0.5	5	ug/l	03/03/06 00:00	н	U	CY	
1,2-Dichloropropane	<0.5	5	ug/l	03/03/06 00:00	н	н	CY	
1,3-Dichloropropane	<0.5	5	ug/l	03/03/06 00:00	11	U	CY	
2,2-Dichloropropane	<0.5	5	ug/l	03/03/06 00:00		17	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		17	CY	
trans-1,3-Dichloropropene	<0.5	5	ug/l	03/03/06 00:00	u	п	CY	

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PA 08380

Broome County DOH



quality **accuracy** reliability

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Certificate	of Analysis
00101100000	

					Certificat	te of Ana	<u>lysis</u>	
Johnson City Water Depa 44 Camden Street Johnson City NY, 13790	rtment		Project: Drinking Water Project No: [none] Project Manager: James Hamm					t ed: 13:04
Well # 6B23057-01 (D		er)			Date Sampled: Date Received:			
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	ĈY	
Hexachlorobutadiene	<0.5	5	ug/l	03/03/06 00:00	II.	n	CY	
Isopropylbenzene	<0.5	5	ug/l	03/03/06 00:00	11	1	CY	
p-Isopropyltoluene	<0.5	5	ug/l	03/03/06 00:00	IT	"	CY	
Methylene chloride	<0.5	5	ug/l	03/03/06 00:00	03/08/06 00:00	n	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	u	n	CY	
1,1,1,2-Tetrachloroethane	<0.5	5	ug/l	03/03/06 00:00	D	11	CY	
1,1,2,2-Tetrachloroethane	<0.5	5	ug/l	03/03/06 00:00	н	11	CY	
Tetrachloroethene	<0.5	5	ug/l	03/03/06 00:00	н	u	CY	
Toluene	<0.5	5	ug/l	03/03/06 00:00	п	u	CY	
1,2,3-Trichlorobenzene	<0.5	5	ug/l	03/03/06 00:00	н	u	CY	
1,2,4-Trichlorobenzene	<0.5	5	ug/i	03/03/06 00:00	н	u	CY	
1,1,1-Trichloroethane	< 0.5	5	ug/l	03/03/06 00:00	u	н	CY	
1,1,2-Trichloroethane	< 0.5	5	ug/l	03/03/06 00:00	п	н	CY	
Trichloroethene	0.6) 5	ug/l	03/03/06 00:00	п	n	CY	AA
Trichlorofluoromethane	<0.5	5	ug/l	03/03/06 00:00	U	U II	CY	
1,2,3-Trichloropropane	< 0.5	5	ug/l	03/03/06 00:00	11	II	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	"	11	CY	
o-Xylene	<0.5	5	ug/l	03/03/06 00:00		n	CY	
Methyl tert-butyl ether	<0.5	10	ug/l	03/03/06 00:00	Ħ	10	CY	
Surrogate: Chlorofluorobenzene (Surrogate: Chlorofluorobenzene (AA = 0.7ug/L in Vial B (3/8	ELCD)	88.0 % 95.0 %	80-2 80-2 53 (3	20 20 Completence	DWIS	51 71	CY CY	
Well #2- 6B23057-02 (D	Treated	er)			Date Sampled: Date Received:			

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					<u>Certificat</u>	te of Ana	alysis	
Johnson City Water Departm 44 Camden Street Johnson City NY, 13790	nent			Project: 1 Project No: Project Manager: .	Reported: 03/09/06 13:04			
Analyte	Result	MCL	Units	Prepared	Analyzed	Method	Analyst	Notes
EPA 502.2 Volatile Organic Co	mpounds ((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	п	u	CY	
Bromochloromethane	<0.5	5	ug/l	03/04/06 00:00	п	U	CY	
Bromomethane	<0.5	5	ug/l	03/04/06 00:00	*1	n	CY	
n-Butylbenzene	<0.5	5	ug/l	03/04/06 00:00	*1		CY	
sec-Butylbenzene	<0.5	5	ug/l	03/04/06 00:00	"	U	CY	
tert-Butylbenzene	<0.5	5	ug/l	03/04/06 00:00	u	"	CY	
Carbon tetrachloride	<0.5	5	ug/l	03/04/06 00:00	IF.	и	CY	
Chlorobenzene	<0.5	5	ug/l	03/04/06 00:00	н	11	CY	
Chloroethane	<0.5	5	ug/l	03/04/06 00:00	11	п	CY	
Chloromethane	<0.5	5	ug/l	03/04/06 00:00	н	п	CY	
2-Chlorotoluene	<0.5	5	ug/l	03/04/06 00:00	н	ч	CY	
4-Chlorotoluene	<0.5	5	ug/l	03/04/06 00:00	н	U	CY	
Dibromomethane	<0.5	5	ug/l	03/04/06 00:00	н	н	CY	
1,2-Dichlorobenzene	<0.5	5	ug/l	03/04/06 00:00	11	н	CY	
1,3-Dichlorobenzene	<0.5	5	ug/l	03/04/06 00:00	11	U.	СҮ	
1,4-Dichlorobenzene	<0.5	5	ug/l	03/04/06 00:00	"	17	CY	
Dichlorodifluoromethane	<0.5	5	ug/l	03/04/06 00:00	n	It	СҮ	
1,1-Dichloroethane	<0.5	5	ug/l	03/04/06 00:00	u	11	СҮ	
1,2-Dichloroethane	<0.5	5	ug/l	03/04/06 00:00	п	ч	CY	
1,1-Dichloroethene	<0.5	5	ug/l	03/04/06-00:00		II	CY	
cis-1,2-Dichloroethene	<0.5	5	ug/l	03/04/06 00:00	н	и	CY	
trans-1,2-Dichloroethene	<0.5	5	ug/l	03/04/06 00:00	11	н	CY	
1,2-Dichloropropane	<0.5	5	ug/l	03/04/06 00:00	11	н	CY	
1,3-Dichloropropane	<0.5	5	ug/l	03/04/06 00:00		11	CY	
2,2-Dichloropropane	<0.5	5	ug/l	03/04/06 00:00	**	U	CY	
1,1-Dichloropropene	<0.5	5	ug/l	03/04/06 00:00	18	11	CY	
cis-1,3-Dichloropropene	<0.5	5	ug/l	03/04/06 00:00	11	11	CY	
trans-1,3-Dichloropropene	<0.5	5	ug/l	03/04/06 00:00	н	81	CY	
Ethylbenzene	<0.5	5	ug/l	03/04/06 00:00	н	n	CY	
Hexachlorobutadiene	<0.5	5	ug/l	03/04/06 00:00	н	п	CY	
Isopropylbenzene	<0.5	5	ug/l	03/04/06 00:00	н	u	CY	
-			-					

Eastern Laboratory Services, Ltd.

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Reviewed by Irene Chu, Laboratory Director

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quality **m** accuracy **m** reliability

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Certificate of Analysis

Johnson City Water Depar 44 Camden Street Johnson City NY, 13790	rtment			Project: Project No: Project Manager:			Repor 03/09/06	
Well #2-7 6B23057-02 (Dr		er)		<u> </u>		02/23/06 09:15 02/23/06 10:15		
Analyte	Result	MCL	Units	Prepared	Analyzed	Method	Analyst	Notes
EPA 502.2 Volatile Organic C	ompounds	(NY Lisi	t)					
p-Isopropyltoluene	<0.5	5	ug/l	03/04/06 00:00	IV	EPA 502.2	CY	
Methylene chloride	<0.5	5	ug/l	03/04/06 00:00	03/08/06 00:00	н	CY	
n-Propylbenzene	<0.5	5	ug/l	03/04/06 00:00	03/04/06 00:00	п	CY	
Styrene	<0.5	5	ug/l	03/04/06 00:00	17	17	CY	
1,1,1,2-Tetrachloroethane	<0.5	5	ug/l	03/04/06 00:00	н	*1	СҮ	
1,1,2,2-Tetrachloroethane	< 0.5	5	ug/l	03/04/06 00:00	н	U	CY	
Tetrachloroethene	<0.5	5	ug/l	03/04/06 00:00	"	u	CY	
Toluene	<0.5	5	ug/l	03/04/06 00:00	II.	μ	СҮ	
1,2,3-Trichlorobenzene	<0.5	5	ug/l	03/04/06 00:00	п	п	СҮ	
1,2,4-Trichlorobenzene	<0.5	5	ug/l	03/04/06 00:00	11	п	CY	
1,1,1-Trichloroethane	<0.5	5	ug/l	03/04/06 00:00	(1	17	CY	
1,1,2-Trichloroethane	<0.5	5	ug/l	03/04/06 00:00	п	a	CY	
Trichloroethene	<0.5	5	ug/l	03/04/06 00:00	н	н	CY	
Trichlorofluoromethane	<0.5	5	ug/l	03/04/06 00:00	14	в	CY	
1,2,3-Trichloropropane	< 0.5	5	ug/l	03/04/06 00:00	п	a	CY	
1,2,4-Trimethylbenzene	<0.5	5	ug/l	03/04/06 00:00	11	U	CY	
1,3,5-Trimethylbenzene	<0.5	5	ug/l	03/04/06 00:00	17	P	CY	
Vinyl chloride			ug/i	03/04/06-00:00			—-CY——	
m,p-Xylene	<0.5	5	ug/l	03/04/06 00:00	41	н	CY	
o-Xylene	< 0.5	5	ug/l	03/04/06 00:00	IT	11	CY	
Methyl tert-butyl ether	<0.5	10	ug/l	03/04/06 00:00	н	u	СҮ	
Surrogate: Chlorofluorobenzene (P. Surrogate: Chlorofluorobenzene (E.		88.0 % 95.0 %	80-1 80-1		WIS	 11 R	CY CY	
Well #6- 6B23057-03 (Dri		er)				02/23/06 09:20 02/23/06 10:15		
Analyte	Result	MCL	Units	Prepared	Analyzed	Method	Analyst	Notes
EPA 502.2 Volatile Organic Co	mpounds (NY List))			<u>.</u>		
Benzene	<0.5	5	ug/l	03/04/06 00:00	03/04/06 00:00	EPA 502.2	CŶ	

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atory, analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. The test results meet all requirements of NELAC.

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Certificate of Analysis

44 Camden Street Johnson City NY, 1379	. S	DW	WIS.	Project No: Project Manager:			Repor 03/09/06	
Well 6B23057-03 (1	#6-Raw Drinking Wate	er)			-	02/23/06 09:20 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	It	EPA 502.2	CY	
Bromochloromethane	<0.5	5	ug/l	03/04/06 00:00	11	н	CY	
Bromomethane	<0.5	5	ug/l	03/04/06 00:00	П	U	CY	
n-Butylbenzene	<0.5	5	ug/l	03/04/06 00:00	н	U	CY	
sec-Butylbenzene	<0.5	5	ug/l	03/04/06 00:00	н	II	CY	
tert-Butylbenzene	<0.5	5	ug/l	03/04/06 00:00	н	II	CY	
Carbon tetrachloride	<0.5	5	ug/l	03/04/06 00:00	*1	IT.	CY	
Chlorobenzene	<0.5	5	ug/l	03/04/06 00:00		IT	CY	
Chloroethane	<0.5	5	ug/l	03/04/06 00:00	"	11	CY	
Chloromethane	<0.5	5	ug/l	03/04/06 00:00	u	n	CY	
2-Chlorotoluene	<0.5	5	ug/l	03/04/06 00:00	IF	u	CY	
4-Chlorotoluene	<0.5	5	ug/l	03/04/06 00:00	н	н	CY	
Dibromomethane	<0.5	5	ug/l	03/04/06 00:00	н	н	CY	
1,2-Dichlorobenzene	<0.5	5	ug/l	03/04/06 00:00)1	н	CY	
1,3-Dichlorobenzene	<0.5	5	ug/l	03/04/06 00:00)1	u	CY	
1,4-Dichlorobenzene	<0.5	5	ug/l	03/04/06 00:00	11	17	CY	
Dichlorodifluoromethane	<0.5	5	ug/l	03/04/06 00:00	U	41	CY	LLFM
1,1-Dichloroethane	<0.5	5	ug/1	03/04/06-00:00			CY	
1,2-Dichloroethane	<0.5	5	ug/l	03/04/06 00:00	lt -	u	CY	
I,1-Dichloroethene	<0.5	5	ug/l	03/04/06 00:00	ш	u	CY	
cis-1,2-Dichloroethene	<0.5	5	ug/l	03/04/06 00:00	н	n	CY	
rans-1,2-Dichloroethene	<0.5	5	ug/l	03/04/06 00:00	п	n	CY	
1,2-Dichloropropane	<0.5	5	ug/l	03/04/06 00:00	n	и	CY	
,3-Dichloropropane	<0.5	5	ug/l	03/04/06 00:00	**	R	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	IF	ч	CY	
sis-1,3-Dichloropropene	<0.5	5	ug/l	03/04/06 00:00	п	u	CY	
rans-1,3-Dichloropropene	<0.5	5	ug/l	03/04/06 00:00	н	U	CY	
Ethylbenzene	<0.5	5	ug/l	03/04/06 00:00	п	U	CY	

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quality **accuracy reliability**

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

Johnson City Water Department 44 Camden Street Johnson City NY, 13790			Project: Project No: Project Manager:			Reported: 03/09/06 13:04		
Well # 6 B23057-03 (D								
Analyte	Result	MCL	Units	Prepared	Analyzed	Method	Analyst	Note
EPA 502.2 Volatile Organic (Compouuds (NY List))					
Hexachlorobutadiene	<0.5	5	ug/l	03/04/06 00:00		EPA 502.2	СҮ	
sopropylbenzene	<0.5	5	ug/l	03/04/06 00:00	11	U	CY	
o-Isopropyltoluene	<0.5	5	ug/l	03/04/06 00:00	Ш	u	CY	
Methylene chloride	<0.5	5	ug/l	03/04/06 00:00	03/08/06 00:00	U	CY	
n-Propylbenzene	<0.5	5	ug/l	03/04/06 00:00	03/04/06 00:00	U	CY	
Styrene	<0.5	5	ug/l	03/04/06 00:00	93	U	CY	
,1,1,2-Tetrachloroethane	<0.5	5	ug/l	03/04/06 00:00	•1	U.	CY	
,1,2,2-Tetrachloroethane	<0,5	5	ug/l	03/04/06 00:00	н	IT.	CY	
Fetrachloroethene	0.6) 5	ug/l	03/04/06 00:00	D	17	CY	A
Foluene	0.5	5	ug/l	03/04/06 00:00	LF	IF.	CY	
1,2,3-Trichlorobenzene	<0.5	5	ug/l	03/04/06 00:00	11	н	CY	
1,2,4-Trichlorobenzene	<0.5	5	ug/l	03/04/06 00:00	D	R	CY	
1,1,1-Trichloroethane	<0.5	5	ug/l	03/04/06 00:00	17	н	CY	
1,1,2-Trichloroethane	<0.5	5	ug/l	03/04/06 00:00	II .	ų	CY	
Frichloroethene	<0.5	5	ug/l	03/04/06 00:00	н	"	CY	
Frichlorofluoromethane	<0.5	5	ug/l	03/04/06 00:00	II.	Π	CY	
1,2,3-Trichloropropane	<0.5	5	ug/l	03/04/06 00:00	н	u	CY	
,2,4-Trimethylbenzene	<0.5	5	ug/l	03/04/06_00:00		u	СҮ	
,3,5-Trimethylbenzene	<0.5	5	ug/l	03/04/06 00:00	н	u	CY	
Vinyl chloride	<0.5	2	ug/l	03/04/06 00:00	н	п	СҮ	
n,p-Xylene	<0.5	5	ug/l	03/04/06 00:00	μ	n	CY	
o-Xylene	<0.5	5	ug/l	03/04/06 00:00	н	н	CY	
Methyl tert-butyl ether	<0.5	10	ug/l	03/04/06 00:00	н	U	СҮ	
Surrogate: Chlorofluorobenzene (PID) 92.0 % 80-			20		U	СҮ		
Surrogate: Chlorofluorobenzene (ELCD) 98.0 % 80- AA = 0.7ug/L in Vial B (3/8/06). LLFM = Matrix spike % Recovery below acceptance limits.			120	п	u	СҮ		
502.2-VOC-TB 6B23057-04 (Trip Blank)					Date Sampled: Date Received:	02/22/06 10:00 02/23/06 10:15		

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Certificate of Analysis

Johnson City Water Department 44 Camden Street Johnson City NY, 13790				Project: 1 Project No: Project Manager: 1	Reported: 03/09/06 13:04			
Analyte	Result	MCL	Units	Prepared	Analyzed	Method	Analyst	Notes
EPA 502.2 Volatile Organic Cor	npounds (NY List						
Benzene	<0.5	5	, ug/l	03/08/06 00:00	03/08/06 00:00	EPA 502.2	СҮ	
Bromobenzene	<0.5	5	ug/l	03/08/06 00:00	IF	U	CY	
Bromochloromethane	<0.5	5	ug/l	03/08/06 00:00	II	U	CY	
Bromomethane	<0.5	5	ug/l	03/08/06 00:00	п	u	CY	
n-Butylbenzene	<0.5	5	ug/l	03/08/06 00:00	н	u	CY	
sec-Butylbenzene	<0.5	5	ug/l	03/08/06 00:00	п	U	CY	
tert-Butylbenzene	< 0.5	5	ug/l	03/08/06 00:00	It	U	CY	
Carbon tetrachloride	<0.5	5	ug/l	03/08/06 00:00	11	u	CY	
Chlorobenzene	<0.5	5	ug/l	03/08/06 00:00	11	a	CY	
Chloroethane	<0.5	5	ug/l	03/08/06 00:00	If	u	CY	
Chloromethane	<0.5	5	ug/l	03/08/06 00:00	18	u	CY	
2-Chlorotoluene	<0.5	5	ug/l	03/08/06 00:00	11	u	CY	
4-Chlorotoluene	<0.5	5	ug/l	03/08/06 00:00	II	u	CY	
Dibromomethane	<0.5	5	ug/l	03/08/06 00:00	11	u	CY	
1,2-Dichlorobenzene	<0.5	5	ug/l	03/08/06 00:00	Ił	n	CY	
1,3-Dichlorobenzene	<0.5	5	ug/l	03/08/06 00:00	It	u	CY	
1,4-Dichlorobenzene	<0.5	5	ug/l	03/08/06 00:00	н	u	CY	
Dichlorodifluoromethane	< 0.5	5	ug/l	03/08/06 00:00	н	u	CY	
1,1-Dichloroethane	<0.5	5	ug/l	03/08/06 00:00	н	п	CY	
1,2-Dichloroethane	<0.5	5	ug/l	03/08/06 00:00	н		CY	
1,1-Dichloroethene	<0.5	5	ug/l	03/08/06_00:00	н		CY	
cis-1,2-Dichloroethene	<0.5	5	ug/l	03/08/06 00:00	u	u	CY	
trans-1,2-Dichloroethene	<0.5	5	ug/l	03/08/06 00:00	н	u	CY	
1,2-Dichloropropane	<0.5	5	ug/l	03/08/06 00:00	н	u	CY	
1,3-Dichloropropane	<0.5	5	ug/l	03/08/06 00:00	н	0	CY	
2,2-Dichloropropane	<0.5	5	ug/l	03/08/06 00:00	н	U	CY	
1,1-Dichloropropene	<0.5	5	ug/l	03/08/06 00:00	н	u	CY	
cis-1,3-Dichloropropene	<0.5	5	ug/l	03/08/06 00:00	н	u	CY	
trans-1,3-Dichloropropene	<0.5	5	ug/l	03/08/06 00:00	н	u	CY	
Ethylbenzene	<0.5	5	ug/l	03/08/06 00:00	н	U	CY	
Hexachlorobutadiene	<0.5	5	ug/l	03/08/06 00:00	п	u	CY	
Isopropylbenzene	<0.5	5	ug/l	03/08/06 00:00	11	u	CY	

Eastern Laboratory Services, Ltd.

Joene 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. The test results meet all requirements of NELAC.

PA 08380

Broome County DOH

NY 11216

Page 7 of 8



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

FAX (570) 888-0717

Certificate of Analysis

6B23057-04 (Trip Blank) Date				
EPA 502.2 Volatile Organic Compounds (NY List)p-Isopropyltoluene <0.5 5 ug/l $03/08/06$ $00:00$ Methylene chloride <0.5 5 ug/l $03/08/06$ $00:00$ n-Propylbenzene <0.5 5 ug/l $03/08/06$ $00:00$ Styrene <0.5 5 ug/l $03/08/06$ $00:00$ 1,1,2-Tetrachloroethane <0.5 5 ug/l $03/08/06$ $00:00$ 1,1,2,2-Tetrachloroethane <0.5 5 ug/l $03/08/06$ $00:00$ Tetrachloroethene <0.5 5 ug/l $03/08/06$ $00:00$ Toluene <0.5 5 ug/l $03/08/06$ $00:00$ 1,2,3-Trichlorobenzene <0.5 5 ug/l $03/08/06$ $00:00$ 1,2,4-Trichloroethane <0.5 5 ug/l $03/08/06$ $00:00$ 1,1,2-Trichloroethane <0.5 5 ug/l $03/08/06$ $00:00$ 1,1,2-Trichloroethane <0.5 5 ug/l $03/08/06$ $00:00$ 1,1,2-Trichloroethane <0.5 5 ug/l $03/08/06$ $00:00$ 1,2,3-Trichloroethane <0.5 5 ug/l $03/08/06$ $00:00$ 1,2,3-Trichloropropane <0.5 5 ug/l $03/08/06$ $00:00$ 1,2,4-Trimethylbenzene <0.5 5 ug/l $03/08/06$ $00:00$ 1,2,4-Trimethylbenzene <0.5 5 ug/l $03/08/06$ $00:00$ 1,3,5-Trimethylbenzene <0.5 2 </th <th></th> <th></th> <th></th> <th></th>				
p-Isopropyltoluene <0.5 5 ug/l $03/08/06$ $00:00$ Methylene chloride <0.5 5 ug/l $03/08/06$ $00:00$ n-Propylbenzene <0.5 5 ug/l $03/08/06$ $00:00$ Styrene <0.5 5 ug/l $03/08/06$ $00:00$ 1,1,2-Tetrachloroethane <0.5 5 ug/l $03/08/06$ $00:00$ 1,1,2,2-Tetrachloroethane <0.5 5 ug/l $03/08/06$ $00:00$ 1,1,2,2-Tetrachloroethane <0.5 5 ug/l $03/08/06$ $00:00$ Tetrachloroethene <0.5 5 ug/l $03/08/06$ $00:00$ Toluene <0.5 5 ug/l $03/08/06$ $00:00$ 1,2,3-Trichlorobenzene <0.5 5 ug/l $03/08/06$ $00:00$ 1,2,4-Trichloroethane <0.5 5 ug/l $03/08/06$ $00:00$ 1,1,2-Trichloroethane <0.5 5 ug/l $03/08/06$ $00:00$ 1,1,2-Trichloroethane <0.5 5 ug/l $03/08/06$ $00:00$ 1,1,2-Trichloroethane <0.5 5 ug/l $03/08/06$ $00:00$ 1,2,3-Trichloropenpane <0.5 5 ug/l $03/08/06$ $00:00$ 1,2,3-Trichloropropane <0.5 5 ug/l $03/08/06$ $00:00$ 1,2,4-Trimethylbenzene <0.5 5 ug/l $03/08/06$ $00:00$ 1,3,5-Trimethylbenzene <0.5 5 ug/l $03/08/06$ $00:00$ Vinyl		Method A	Analyst	Notes
Methylene chloride <0.5				
International < 0.5 5 ug/l $03/08/06$ $00:00$ Styrene < 0.5 5 ug/l $03/08/06$ $00:00$ $1,1,1,2$ -Tetrachloroethane < 0.5 5 ug/l $03/08/06$ $00:00$ $1,1,2,2$ -Tetrachloroethane < 0.5 5 ug/l $03/08/06$ $00:00$ Tetrachloroethane < 0.5 5 ug/l $03/08/06$ $00:00$ Tetrachloroethane < 0.5 5 ug/l $03/08/06$ $00:00$ Toluene < 0.5 5 ug/l $03/08/06$ $00:00$ $1,2,3$ -Trichlorobenzene < 0.5 5 ug/l $03/08/06$ $00:00$ $1,2,4$ -Trichloroethane < 0.5 5 ug/l $03/08/06$ $00:00$ $1,1,2$ -Trichloroethane < 0.5 5 ug/l $03/08/06$ $00:00$ $1,1,2$ -Trichloroethane < 0.5 5 ug/l $03/08/06$ $00:00$ $1,1,2$ -Trichloroethane < 0.5 5 ug/l $03/08/06$ $00:00$ $1,2,3$ -Trichloroethane < 0.5 5 ug/l $03/08/06$ $00:00$ $1,2,3$ -Trichloropropane < 0.5 5 ug/l $03/08/06$ $00:00$ $1,2,4$ -Trimethylbenzene < 0.5 5 ug/l $03/08/06$ $00:00$ $1,3,5$ -Trimethylbenzene < 0.5 5 ug/l $03/08/06$ $00:00$ Vinyl chloride < 0.5 2 ug/l $03/08/06$ $00:00$		PA 502.2	CY	
A Tripp Totination < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 $<$	н	Ш	CY	
1,1,1,2-Tetrachloroethane <0.5 $<$ $<$ $<0.3/08/06$ <0.00 1,1,2,2-Tetrachloroethane <0.5 $<$ $<$ $<0.3/08/06$ <0.00 Tetrachloroethene <0.5 $<$ $<$ $<0.3/08/06$ <0.00 Toluene <0.5 $<$ $<$ $<0.3/08/06$ <0.00 1,2,3-Trichlorobenzene <0.5 $<$ $<$ $<0.3/08/06$ <0.00 1,2,4-Trichlorobenzene <0.5 $<$ $<$ $<0.3/08/06$ <0.00 1,1,1-Trichloroethane <0.5 $<$ $<$ $<0.3/08/06$ <0.00 1,1,2-Trichloroethane <0.5 $<$ $<$ $<0.3/08/06$ <0.00 1,2,3-Trichloroptopane <0.5 $<$ $<$ $<0.3/08/06$ <0.00 1,2,3-Trichloroptopane <0.5 $<$ $<$ $<0.3/08/06$ <0.00 1,2,4-Trimethylbenzene <0.5 $<$ $<0.3/08/06$ <0.00 1,2,4-Trimethylbenzene <0.5 $<$ $<0.3/08/06$ <0.00 1,3,5-Trimethylbenzene <0.5 $<$ $<0.3/08/06$ <0.00 Vinyl-chloride <0.5 $<$ $<0.3/08/06$ <0.00	н	U	CY	
$1,1,2,2$ -Tetrachloroethane <0.5 5 ug/l $03/08/06$ $00:00$ Tetrachloroethane <0.5 5 ug/l $03/08/06$ $00:00$ Toluene <0.5 5 ug/l $03/08/06$ $00:00$ $1,2,3$ -Trichlorobenzene <0.5 5 ug/l $03/08/06$ $00:00$ $1,2,4$ -Trichlorobenzene <0.5 5 ug/l $03/08/06$ $00:00$ $1,1,1$ -Trichloroethane <0.5 5 ug/l $03/08/06$ $00:00$ $1,1,2$ -Trichloroethane <0.5 5 ug/l $03/08/06$ $00:00$ $1,1,2$ -Trichloroethane <0.5 5 ug/l $03/08/06$ $00:00$ Trichloroethane <0.5 5 ug/l $03/08/06$ $00:00$ Trichlorofluoromethane <0.5 5 ug/l $03/08/06$ $00:00$ $1,2,3$ -Trichloropropane <0.5 5 ug/l $03/08/06$ $00:00$ $1,2,4$ -Trimethylbenzene <0.5 5 ug/l $03/08/06$ $00:00$ $1,3,5$ -Trimethylbenzene <0.5 5 ug/l $03/08/06$ $00:00$ Vinyl_chloride <0.5 2 ug/l $03/08/06$ $00:00$	II.	n	CY	
Tetrachloroethane<0.55ug/l03/08/0600:00Toluene<0.5	u	91	CY	
Toluene <0.5 yg/l $03/08/06$ $00:00$ 1,2,3-Trichlorobenzene <0.5 5 yg/l $03/08/06$ $00:00$ 1,2,4-Trichlorobenzene <0.5 5 yg/l $03/08/06$ $00:00$ 1,1,1-Trichloroethane <0.5 5 yg/l $03/08/06$ $00:00$ 1,1,2-Trichloroethane <0.5 5 yg/l $03/08/06$ $00:00$ 1,1,2-Trichloroethane <0.5 5 yg/l $03/08/06$ $00:00$ 1,1,2-Trichloroethane <0.5 5 yg/l $03/08/06$ $00:00$ 1,2,3-Trichloropropane <0.5 5 yg/l $03/08/06$ $00:00$ 1,2,3-Trichloropropane <0.5 5 yg/l $03/08/06$ $00:00$ 1,2,4-Trimethylbenzene <0.5 5 yg/l $03/08/06$ $00:00$ 1,3,5-Trimethylbenzene <0.5 5 yg/l $03/08/06$ $00:00$ Vinyl_chloride <0.5 2 yg/l $03/08/06$ $00:00$	T#	u	CY	
1,2,3-Trichlorobenzene<0.55ug/l $03/08/06$ $00:00$ 1,2,4-Trichlorobenzene<0.5	97	n	CY	
1,2,3-Trichlorobenzene <0.5 <0.5 <0.5 1,2,4-Trichlorobenzene <0.5 <0.5 <0.5 1,1,1-Trichloroethane <0.5 <0.5 <0.5 1,1,2-Trichloroethane <0.5 <0.5 <0.5 1,2,3-Trichloropropane <0.5 <0.5 <0.5 1,2,4-Trimethylbenzene <0.5 <0.5 <0.5 1,3,5-Trimethylbenzene <0.5 <0.5 <0.5 <tr< td=""><td>11</td><td>n</td><td>CY</td><td></td></tr<>	11	n	CY	
1,1,1-Trichloroethane <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 $<0.$	11	п	CY	
1,1,2-Trichloroethane <0.5 5 ug/l $03/08/06$ $00:00$ Trichloroethene <0.5 5 ug/l $03/08/06$ $00:00$ Trichlorofluoromethane <0.5 5 ug/l $03/08/06$ $00:00$ $1,2,3$ -Trichloropropane <0.5 5 ug/l $03/08/06$ $00:00$ $1,2,4$ -Trimethylbenzene <0.5 5 ug/l $03/08/06$ $00:00$ $1,3,5$ -Trimethylbenzene <0.5 5 ug/l $03/08/06$ $00:00$ Vinyl.chloride <0.5 2 ug/l $03/08/06$ $00:00$	н	U	CY	
Trichloroethene <0.5	н	u	CY	
Trichlorofluoromethane <0.5 5 ug/l 03/08/06 00:00 1,2,3-Trichloropropane <0.5	н	u	CY	
1,2,3-Trichloropropane <0.5	IF	u	CY	
1,2,3-Trichloropropane <0.5	H.	11	CY	
1,2,4-Trimethylbenzene <0.5	17	IF.	CY	
1,3,5-Trimethylbenzene <0.5 5 ug/l 03/08/06 00:00 Vinyl_chloride <0.5	93	n	CY	
Vinyl_chloride <0.5 2 ug/l 03/08/06 00:00	11	u	CY	
			СҮ	
		u	CY	
o-Xylene <0.5 5 ug/l 03/08/06 00:00	н	Π	CY	
Methyl tert-butyl ether <0.5 10 ug/l 03/08/06 00:00	п	71	CY	
Surrogate: Chlorofluorobenzene (PID) 99.0 % 80-120		11	CY CY	

Eastern Laboratory Services, Ltd.

Joene 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. The test results meet all requirements of NELAC.

PA 08380

Broome County DOH