2022 Groundwater Monitoring Report

Colesville Landfill

Broome County, New York

Prepared for

Broome County Department of Public Works
Solid Waste Management

60 Hawley Street
Binghamton, New York 13901

June 2022

Barton&Loguidice

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Prepared by

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TABLE OF CONTENTS

Section **Page**

ABBREVIATIONS ii

1.0 Introduction 1

2.0 Sampling 2

2.1. Groundwater Monitoring 2

2.2. Residential Water Monitoring 2

3.0 Results 3

3.1. Groundwater Quality 3

3.2. Residential Groundwater Quality 5

4.0 Conclusions 6

Tables

Table 1 2022 Monitoring Results – Groundwater

Table 2 2022 Monitoring Results – Residential Wells

Figures

Figure 1 Site Plan

Appendices

Appendix A Laboratory Analytical Results

ABBREVIATIONS

B&L	Barton & Loguidice, D.P.C.
BPJ	Best Professional Judgment
DCA	1,1-dichloroethane
DO	Dissolved oxygen
EPA	United States Environmental Protection Agency
ERD	Enhanced reductive dechlorination
IC/EC	Institutional Control / Engineering Control
IRZ	In-situ reactive zone
lbs	Pounds
LPGAC	Liquid phase granular activated carbon
LTM	Long-term monitoring
µg/L	Microgram per liter
N	Nitrogen
NYSDEC	New York State Department of Environmental Conservation
O&M	Operation and Maintenance
ORP	Oxidation-reduction potential
Q	Lab qualifier
SGC	Ambient Water Quality Standard and Guidance Value
SMP	Site Management Plan
SVOC	Semi-volatile organic compounds
TOC	Total organic carbon
TOGS 1.1.1	Technical Operational Guidance Series
TVOC	Total volatile organic compound
VOC	Volatile organic compounds
WQS	NYSDEC Part 703 Water Quality Standards

1.0 INTRODUCTION

This Groundwater Monitoring Report (report) was prepared by Barton & Loguidice, D.P.C. (B&L) on behalf of the Broome County Division of Solid Waste Management for the Colesville Landfill, located in Broome County, New York (Site) to evaluate and document the long-term monitoring (LTM) activities at the Site. The Site is listed in the Registry of Inactive Hazardous Waste Disposal Sites as a Class 4, and monitoring activities are being conducted pursuant to the Site Management Plan (SMP) (Broome County Division of Solid Waste Management, 2020), which was approved by the New York State Department of Environmental Conservation (NYSDEC).

This 2022 Groundwater Monitoring Report describes the collection and analysis of groundwater data collected in March 2022. Groundwater collection is on a 15-month schedule.

The following sections describe the sampling methodology, laboratory analytical results, a discussion of findings, and a summary of conclusions.

The following section provides a summary of the environmental monitoring for the reporting period. The Site Plan and monitoring locations are provided as Figure 1.

2.0 SAMPLING

2.1. Groundwater Monitoring

Groundwater samples are collected every five (5) quarters in accordance with the SMP Monitoring Schedule. The following fourteen (14) locations were sampled during the March 2022 monitoring event:

- GMMW-02*
- GMMW-05*
- GMMW-06*
- GMMW-07*
- PW-03*
- PW-04
- PW-05
- PW-07*
- W-07
- W-16S*
- W-17S
- W-18*
- W-20S
- GMPW-04

The eight (8) locations above with an asterisk (*) denotation were sampled with both unfiltered and filtered samples.

Each well was initially purged of three volumes of water (or until dry) and then sampled using a bailer. All of the samples were field analyzed for pH, temperature, oxidation-reduction potential (ORP), turbidity, and specific conductance, and they were analyzed at the ALS laboratory for volatile organic compounds (VOCs) and metals. For analysis of dissolved iron, samples were filtered in the field through a 0.45-micron filter.

2.2. Residential Water Monitoring

Residential water monitoring was performed in March 2022. Samples were collected at 22 Centerville Loop, 1495 East Windsor Road, 1394 East Windsor Road, and Lee Spring. Samples were collected as grabs from residential taps, with the exception of Lee Spring (a spring), where the grab sample was collected from the water exiting the spring.

3.0 RESULTS

The results of the environmental effectiveness for the reporting period are summarized below, by environmental medium. A copy of the reporting period laboratory analytical results is included in Appendix A.

3.1. Groundwater Quality

Groundwater quality analytical results for March 2022 are summarized in Table 1. The following provides a summary of exceedances and trends with regards to relative location in the contamination plume.

3.1.1. Landfill Perimeter Wells

Landfill monitoring wells PW-07 and GMMW-07 are situated along the landfill's eastern perimeter. PW-07 exceeded iron, dissolved iron (from the filtered sample), 1,1-dichloroethane, chloroethane, cis-1,2-dichloroethene, and trichloroethene water quality standards (WQS) in March 2022. Each of these parameters exceeded their WQS in September 2019 and November 2020 as well, with the exception of dissolved iron, chloroethane, and trichloroethane, which were below the standard in 2020. Iron concentrations have continued on a decreasing trend as have cis-1,2-dichloroethene. 1,1-dichloroethane concentrations have not changed since November 2020. Overall, total volatile organic compound (TVOC) concentrations detected in the samples have increased since 2020, from 30 ug/L to 37.7 ug/L.

GMMW-07 exceeded 1,1-dichloroethane, chlorobenzene, chloroethane, cis-1,2-dichloroethene, trichloroethene, and vinyl chloride WQS in 2022. All of these parameters were in exceedance in 2019 and 2020 as well, though all parameters, with the exception of chlorobenzene, have decreased from 2019 through 2022. Chlorobenzene concentrations have not changed since November 2020. TVOC concentrations have decreased since 2019, from 314 ug/L in 2019 to 106 ug/L in 2022.

3.1.2. Mid-Plume

Landfill monitoring wells GMMW-2, GMMW-5, GMMW-6 are considered in the mid-plume area and are situated downgradient from PW-7 and GMMW-7. GMMW-2 exceeded applicable WQS for iron, though not dissolved iron, an increase from both 2019 and 2020 sampling events. GMMW-2 also exceeded 1,1-dichloroethane, chlorobenzene, and trichloroethene standards. 1,1-dichloroethane and trichloroethane concentrations have decreased from 2019 through 2022 events, and chlorobenzene shows more stable concentrations. Chloroethane previously exceeded its applicable WQS and decreased from 2019 through 2022 to be below the limit in 2022. TVOC concentrations detected in the samples decreased since 2019, from 66.2 ug/L in 2019 to 34.4 ug/L in 2022.

In 2022, GMMW-5 had exceedances in iron, dissolved iron, chlorobenzene, and chloroethane, all of which were exceeded in 2019 and 2020. Iron and dissolved iron overall increased from 2019 whereas chlorobenzene and chloroethane decreased since 2019. TVOC concentrations detected in the samples decreased from 83 ug/L in 2019 to 42.2 ug/L in 2022.

GMMW-6 exceeded applicable WQS in iron, dissolved iron, 1,1-dichloroethane, chlorobenzene, and chloroethane. Iron concentrations overall decreased since 2019, and dissolved iron concentrations generally increased. For volatiles, 1,1-dichloroethane and chloroethane concentrations decreased since 2019 as have cis-1,2-dichloroethene, trichloroethene, and vinyl chloride overall. The latter three parameters exceeded their WQS but have since dropped below the standards to non-detection. Chlorobenzene was the only parameter that saw an overall increase since 2019. TVOC concentrations detected in samples decreased from 2020 and overall decreased from 204 ug/L in 2019 to 135 ug/L in 2022.

3.1.3. Lower Downgradient

Further downgradient from the mid-plume wells are PW-03, PW-04, PW-05, W-07, W-16S, W-17S, W-18, W-20S, and GMPW-04. PW-03, PW-04, and W-16S are located near East Windsor Road, and W-18 and W-20S are located south of East Windsor Road.

PW-03 exceeded the WQS of iron, but not dissolved iron, the former of which decreased in concentration from 2020. Previously, trichloroethene concentrations exceeded its WQS but has since become non-detect. Total detected VOC concentrations decreased from 5.6 ug/L in 2019 to non-detect in 2022.

PW-04 did not exceed any applicable WQS, and the decreasing concentration of trichloroethene, which exceeded its standard in 2019 and 2020, continued in 2022 to be non-detect. TVOC concentrations detected decreased from 6 ug/L in 2020 to non-detect in 2022.

PW-05, W-07, W-17S, and W-20S all have not exceeded any WQS in recent years, including during the March 2022 sampling event.

W-16S exceeded applicable WQS for iron at 15.6 mg/L, but not dissolved iron, a significant increase from 2019 (0.44 mg/L), which is the last sampling event in which iron was analyzed. 1,1-dichloroethane and chlorobenzene concentrations also exceeded their standards, both increasing from 2020. TVOC concentrations have increased from 23.3 ug/L in 2020 to 26.1 ug/L in 2022.

W-18 exceeded applicable WQS for iron, but not dissolved iron as well, with a significant increase in iron concentration from 0.34 mg/L in 2020 to 25.1 mg/L in 2022. Previously exceeded parameters of 1,1-dichloroethane and trichloroethene decreased to non-

detect levels in 2022. TVOC concentrations decreased from 12.2 ug/L in 2020 to non-detects in 2022.

GMPW-04 is a former recovery well, which saw overall increases in TVOC concentrations. 1,1-dichloroethane, chlorobenzene, chloroethane, cis-1,2-dichloroethene, and trichloroethene all exceeded their WQS. 1,1-dichloroethane and trichloroethene showed a stable trend since 2019, chlorobenzene and chloroethane overall increased from 2019 and 2020 concentrations, and cis-1,2-dichloroethene decreased steadily since 2019.

3.1.4. Active Reductive Dechlorination

VOCs are being treated through the injection of molasses as an electron donor to promote in situ reductive dechlorination. B&L performed the last injection in August 2021. Analytical data from wells in the vicinity of the injection wells (GMMW-05 and GMMW-06) is used to evaluate the effectiveness of molasses as an electron donor to promote reductive dechlorination.

These two wells exhibited higher levels of total organic carbon (TOC) consistent with the previous summer's molasses injection. Highly anaerobic and reducing conditions are characteristic of molasses present in the environment, and the lowest ORP levels observed in this sampling were found at these wells. Reducing conditions also reduce iron to its ferrous oxidation state, resulting in higher levels of dissolved iron. The high dissolved iron levels in these wells are strong evidence of the reducing conditions needed for reductive dechlorination. Although the fully reduced end products ethene and ethane were not found at high concentrations, elevated concentrations of methane indicate the presence of reducing conditions. Reducing conditions also reduce sulfate to sulfide, and the data demonstrate a reduction in sulfate levels, especially in GMMW-06 compared to most other wells.

3.2. **Residential Groundwater Quality**

Four residential wells were sampled in 2022, located at 22 Centerville Loop, 1495 East Windsor Road, 1394 East Windsor Road, and Lee Spring. The only parameter that exceeded its applicable water quality standard was iron at 1394 East Windsor Road with a concentration of 0.84 mg/L. TVOC concentrations ranged from non-detect to 6.7 ug/L.

4.0 CONCLUSIONS

Based on the data generated during the reporting period, B&L concludes the following:

- Iron and several VOCs were found to be exceeding their applicable WQS in 2022
- Overall, TVOC concentrations in the groundwater have decreased since 2020.
- Eight instances of exceedances from 2020 are now non-detect for the same groundwater wells and VOCs.
- Three groundwater wells had exceedances of iron but not dissolved iron.
- One residential well had an exceedance of iron.
- Overall, highly anaerobic and reducing conditions continue to be observed near injection wells

TABLES

Barton & Loguidice

Table 1
Broome County Colesville Landfill
2022 Monitoring Results
Groundwater

Client Sample ID:				GMMW-02		GMMW-05		GMMW-06		GMMW-07		PW-03		PW-04		PW-05	
Lab Sample ID (Non-Dissolved):			Class GA Ambient	R2202163-011		R2202163-028		R2202163-009		R2202163-024		R2202163-018		R2202163-007		R2202163-003	
Lab Sample ID (Dissolved) (if applicable)			Groundwater Standard	R2202163-012		R2202163-029		R2202163-010		R2202163-025		R2202163-019					
Date Sampled:			(TOGS 1.1.1)	3/10/2022		3/10/2022		3/10/2022		3/10/2022		3/10/2022		3/10/2022		3/10/2022	
Parameter	CAS NO.	UNIT		VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
Field Parameters																	
pH (Field)	STL00199	SU	-	6.41		6.42		6.52		6.19		6.31		6.11		7.35	
Dissolved Oxygen	STL00082	MG/L	-	-		-		-		-		-		-		-	
Specific Conductivity	STL00244	UMHOS/CM	-	504		601		953		354		343		264		311	
Field EH/ORP	STL00811	MILLIVOLTS	-	149		-45		-49		119		40		216		153	
Temperature (Field Test)	STL00246	DEGREES C	-	5.9		9.3		4.8		9		2.9		5		0.1	
Turbidity (Field)	STL00392	NTU	-	3.1		12.3		20.8		2.8		28		7.9		58	
Nitrate (expressed as N)	14797-55-8	mg/L	20000	1	U	1	U	1	U	1	U	1	U	1	U	-	
Nitrite (expressed as N)	14797-65-0	mg/L	2000	1	U	1	U	1	U	1	U	1	U	1	U	-	
Sulfate	14808-79-8	mg/L	500000	20.7		7.6		2	U	10.9		6.8		7.2		-	
Total Organic Carbon	7440-44-0	mg/L	100	2.8		5.2		5.5		1.6		1.6		2.2		-	
Dissolved Gases																	
Ethane	74-84-0	mg/L	-	0.00045	J	0.0046		0.011		0.0012		0.001	U	0.001	U	-	
Ethene	74-85-1	mg/L	-	0.001	U	0.00066	J	0.0021		0.003		0.001	U	0.001	U	-	
Methane	74-82-8	mg/L	-	0.88	E	1.8	E	1.8	E	0.98	E	0.0011	U	0.0011	U	-	
Metals																	
Iron	7439-89-6	mg/L	0.6	0.7		59.9		11.2		0.18		2.38		0.19		-	
Iron, Dissolved	7439-89-6	mg/L	0.6	0.18		55.9		20.4		0.15		0.1	U	-		-	
Volatile Organic Compounds																	
1,1,1-Trichloroethane	71-55-6	ug//L	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U
1,1,2,2-Tetrachloroethane	79-34-5	ug//L	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ug//L	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U
1,1,2-Trichloroethane	79-00-5	ug//L	1	5	U	5	U	5	U	5	U	5	U	5	U	5	U
1,1-Dichloroethane	75-34-3	ug//L	5	12		5	U	8		33		5	U	5	U	5	U
1,1-Dichloroethene	75-35-4	ug//L	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U
1,2,4-Trichlorobenzene	120-82-1	ug//L	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U
1,2-Dibromo-3-chloropropane	96-12-8	ug//L	0.04	5	U	5	U	5	U	5	U	5	U	5	U	5	U
1,2-Dibromoethane	106-93-4	ug//L	0.0006	5	U	5	U	5	U	5	U	5	U	5	U	5	U
1,2-Dichlorobenzene	95-50-1	ug/L	3	5	U	5	U	5	U	5	U	5	U	5	U	5	U
1,2-Dichloroethane	107-06-2	ug/L	0.6	5	U	5	U	5	U	5	U	5	U	5	U	5	U
1,2-Dichloropropane	78-87-5	ug/L	1	5	U	5	U	5	U	5	U	5	U	5	U	5	U
1,3-Dichlorobenzene	541-73-1	ug/L	3	5	U	5	U	5	U	5	U	5	U	5	U	5	U
1,4-Dichlorobenzene	106-46-7	ug/L	3	5	U	5	U	5	U	5	U	5	U	5	U	5	U
2-Butanone	78-93-3	ug/L	50	10	U	10	U	10	U	10	U	10	U	10	U	10	U
2-Hexanone	591-78-6	ug/L	50	10	U	10	U	10	U	10	U	10	U	10	U	10	U
4-Methyl-2-pentanone	108-10-1	ug/L	-	10	U	10	U	10	U	10	U	10	U	10	U	10	U
Acetone	67-64-1	ug/L	50	10	U	10	U	12		10	U	10	U	10	U	10	U
Benzene	71-43-2	ug/L	1	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Bromodichloromethane	75-27-4	ug/L	50	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Bromoform	75-25-2	ug/L	50	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Bromomethane	74-83-9	ug/L	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Carbon disulfide	75-15-0	ug/L	60	10	U	10	U	10	U	10	U	10	U	10	U	10	U
Carbon tetrachloride	56-23-5	ug/L	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Chlorobenzene	108-90-7	ug/L	5	16		7.2		28		14		5	U	5	U	5	U
Chloroethane	75-00-3	ug/L	5	5	U	35		87		11		5	U	5	U	5	U
Chloroform	67-66-3	ug/L	7	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Chloromethane	74-87-3	ug/L	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U
cis-1,2-Dichloroethene	156-59-2	ug/L	5	5	U	5	U	5	U	26		5	U	5	U	5	U
cis-1,3-Dichloropropene	10061-01-5	ug/L	0.4	5	U	5	U	5	U	5	U	5	U	5	U	5	U

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Table 1
Broome County Colesville Landfill
2022 Monitoring Results
Groundwater

Client Sample ID:				GMMW-02		GMMW-05		GMMW-06		GMMW-07		PW-03		PW-04		PW-05	
Lab Sample ID (Non-Dissolved):			Class GA Ambient	R2202163-011		R2202163-028		R2202163-009		R2202163-024		R2202163-018		R2202163-007		R2202163-003	
Lab Sample ID (Dissolved) (if applicable)			Groundwater Standard	R2202163-012		R2202163-029		R2202163-010		R2202163-025		R2202163-019					
Date Sampled:			(TOGS 1.1.1)	3/10/2022		3/10/2022		3/10/2022		3/10/2022		3/10/2022		3/10/2022		3/10/2022	
Parameter	CAS NO.	UNIT		VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
Cyclohexane	110-82-7	ug/L	-	10	U	10	U	10	U	10	U	10	U	10	U	10	U
Dibromochloromethane	124-48-1	ug/L	50	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Dichlorodifluoromethane	75-71-8	ug/L	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Ethylbenzene	100-41-4	ug/L	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Isopropylbenzene	98-82-8	ug/L	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Methyl Acetate	79-20-9	ug/L	-	10	U	10	U	10	U	10	U	10	U	10	U	10	U
Methylcyclohexane	108-87-2	ug/L	-	10	U	10	U	10	U	10	U	10	U	10	U	10	U
Methyl tert-butyl ether	1634-04-4	ug/L	10	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Methylene chloride	75-09-2	ug/L	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Styrene	100-42-5	ug/L	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Tetrachloroethene	127-18-4	ug/L	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Toluene	108-88-3	ug/L	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U
trans-1,2-Dichloroethene	156-60-5	ug/L	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U
trans-1,3-Dichloropropene	10061-02-6	ug/L	0.4	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Trichloroethene	79-01-6	ug/L	5	6.4		5	U	5	U	12		5	U	5	U	5	U
Trichlorofluoromethane	75-69-4	ug/L	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Vinyl chloride	75-01-4	ug/L	2	5	U	5	U	5	U	10		5	U	5	U	5	U
Xylenes, Total	1330-20-7	ug/L	-	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Total Volatiles	*N/A*	*ug/L*		*34.4*		*42.2*		*135*		*106*		*ND*		*ND*		*ND*	

Key	
##	Result exceeds Class GA Standard
NS	Not Sampled
-	Not Analyzed
U or ND	Not Detected
1	NYSDEC TOGS 1.1. Ambient Water Quality Standards and Groundwater Effluent Standards, Class GA, Table 1.

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Table 1
Broome County Colesville Landfill
2022 Monitoring Results
Groundwater

Client Sample ID:				PW-07		W-07		W-16S		W-17S		W-18		W-20S		GMPW-04	
Lab Sample ID (Non-Dissolved):				R2202163-022		R2202163-017		R2202163-020		R2202163-026		R2202163-001		R2202163-027		R2202163-005	
Lab Sample ID (Dissolved) (if applicable)			Class GA Ambient Groundwater Standard (TOGS 1.1.1)	R2202163-023				R2202163-021				R2202163-002				R2202163-006	
Date Sampled:				3/10/2022		3/10/2022		3/10/2022		3/10/2022		3/10/2022		3/10/2022		3/10/2022	
Parameter	CAS NO.	UNIT		VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
Field Parameters																	
pH (Field)	STL00199	SU	-	5.99		6.04		6.22		6.39		6.89		6.09		6.29	
Dissolved Oxygen	STL00082	MG/L	-	-		-		-		-		-		-		-	
Specific Conductivity	STL00244	UMHOS/CM	-	141		384		370		98		252		143		672	
Field EH/ORP	STL00811	MILLIVOLTS	-	96		14		71		119		127		145		154	
Temperature (Field Test)	STL00246	DEGREES C	-	8.9		9.2		4.7		4.7		1.3		5.5		5.4	
Turbidity (Field)	STL00392	NTU	-	8.1		21.3		48.8		8.6		13		24.9		1.6	
Nitrate (expressed as N)	14797-55-8	mg/L	20000	1.1		-		1	U	-		1.4		-		1	U
Nitrite (expressed as N)	14797-65-0	mg/L	2000	1	U	-		1	U	-		1	U	-		1	U
Sulfate	14808-79-8	mg/L	500000	9.6		-		11.6		-		4.9		-		9.1	
Total Organic Carbon	7440-44-0	mg/L	100	1	U	-		1.7		-		1.5		-		3.5	
Dissolved Gases																	
Ethane	74-84-0	mg/L	-	0.001	U	-		0.001	U	-		0.001	U	-		0.0019	
Ethene	74-85-1	mg/L	-	0.001	U	-		0.001	U	-		0.001	U	-		0.001	U
Methane	74-82-8	mg/L	-	0.034		-		0.83	E	-		0.0011	U	-		0.93	E
Metals																	
Iron	7439-89-6	mg/L	0.6	3.25		-		15.6		-		25.1		-		0.1	U
Iron, Dissolved	7439-89-6	mg/L	0.6	0.9		-		0.15		-		0.1	U	-		0.1	U
Volatile Organic Compounds																	
1,1,1-Trichloroethane	71-55-6	ug//L	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U
1,1,2,2-Tetrachloroethane	79-34-5	ug//L	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ug//L	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U
1,1,2-Trichloroethane	79-00-5	ug//L	1	5	U	5	U	5	U	5	U	5	U	5	U	5	U
1,1-Dichloroethane	75-34-3	ug//L	5	14		5	U	8.1		5	U	5	U	5	U	17	
1,1-Dichloroethene	75-35-4	ug//L	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U
1,2,4-Trichlorobenzene	120-82-1	ug//L	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U
1,2-Dibromo-3-chloropropane	96-12-8	ug//L	0.04	5	U	5	U	5	U	5	U	5	U	5	U	5	U
1,2-Dibromoethane	106-93-4	ug//L	0.0006	5	U	5	U	5	U	5	U	5	U	5	U	5	U
1,2-Dichlorobenzene	95-50-1	ug/L	3	5	U	5	U	5	U	5	U	5	U	5	U	5	U
1,2-Dichloroethane	107-06-2	ug/L	0.6	5	U	5	U	5	U	5	U	5	U	5	U	5	U
1,2-Dichloropropane	78-87-5	ug/L	1	5	U	5	U	5	U	5	U	5	U	5	U	5	U
1,3-Dichlorobenzene	541-73-1	ug/L	3	5	U	5	U	5	U	5	U	5	U	5	U	5	U
1,4-Dichlorobenzene	106-46-7	ug/L	3	5	U	5	U	5	U	5	U	5	U	5	U	5	U
2-Butanone	78-93-3	ug/L	50	10	U	10	U	10	U	10	U	10	U	10	U	10	U
2-Hexanone	591-78-6	ug/L	50	10	U	10	U	10	U	10	U	10	U	10	U	10	U
4-Methyl-2-pentanone	108-10-1	ug/L	-	10	U	10	U	10	U	10	U	10	U	10	U	10	U
Acetone	67-64-1	ug/L	50	10	U	10	U	10	U	10	U	10	U	10	U	10	U
Benzene	71-43-2	ug/L	1	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Bromodichloromethane	75-27-4	ug/L	50	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Bromoform	75-25-2	ug/L	50	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Bromomethane	74-83-9	ug/L	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Carbon disulfide	75-15-0	ug/L	60	10	U	10	U	10	U	10	U	10	U	10	U	10	U
Carbon tetrachloride	56-23-5	ug/L	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Chlorobenzene	108-90-7	ug/L	5	5	U	5	U	18		5	U	5	U	5	U	10	
Chloroethane	75-00-3	ug/L	5	6.2		5	U	5	U	5	U	5	U	5	U	11	
Chloroform	67-66-3	ug/L	7	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Chloromethane	74-87-3	ug/L	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U
cis-1,2-Dichloroethene	156-59-2	ug/L	5	12		5	U	5	U	5	U	5	U	5	U	7.1	
cis-1,3-Dichloropropene	10061-01-5	ug/L	0.4	5	U	5	U	5	U	5	U	5	U	5	U	5	U

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Table 1
Broome County Colesville Landfill
2022 Monitoring Results
Groundwater

Client Sample ID:			Class GA Ambient Groundwater Standard (TOGS 1.1.1)	PW-07		W-07		W-16S		W-17S		W-18		W-20S		GMPW-04	
Lab Sample ID (Non-Dissolved):				R2202163-022		R2202163-017		R2202163-020		R2202163-026		R2202163-001		R2202163-027		R2202163-005	
Lab Sample ID (Dissolved) (if applicable)				R2202163-023				R2202163-021				R2202163-002				R2202163-006	
Date Sampled:				3/10/2022		3/10/2022		3/10/2022		3/10/2022		3/10/2022		3/10/2022		3/10/2022	
Parameter	CAS NO.	UNIT		VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
Cyclohexane	110-82-7	ug/L	-	10	U	10	U	10	U	10	U	10	U	10	U	10	U
Dibromochloromethane	124-48-1	ug/L	50	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Dichlorodifluoromethane	75-71-8	ug/L	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Ethylbenzene	100-41-4	ug/L	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Isopropylbenzene	98-82-8	ug/L	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Methyl Acetate	79-20-9	ug/L	-	10	U	10	U	10	U	10	U	10	U	10	U	10	U
Methylcyclohexane	108-87-2	ug/L	-	10	U	10	U	10	U	10	U	10	U	10	U	10	U
Methyl tert-butyl ether	1634-04-4	ug/L	10	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Methylene chloride	75-09-2	ug/L	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Styrene	100-42-5	ug/L	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Tetrachloroethene	127-18-4	ug/L	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Toluene	108-88-3	ug/L	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U
trans-1,2-Dichloroethene	156-60-5	ug/L	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U
trans-1,3-Dichloropropene	10061-02-6	ug/L	0.4	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Trichloroethene	79-01-6	ug/L	5	5.5		5	U	5	U	5	U	5	U	5	U	20	
Trichlorofluoromethane	75-69-4	ug/L	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Vinyl chloride	75-01-4	ug/L	2	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Xylenes, Total	1330-20-7	ug/L	-	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Total Volatiles	*N/A*	*ug/L*		*37.7*		*ND*		*26.1*		*ND*		*ND*		*ND*		*65.1*	

Key	
##	Result exceeds Class GA Standard
NS	Not Sampled
-	Not Analyzed
U or ND	Not Detected
1	NYSDEC TOGS 1.1. Ambient Water Quality Standards and Groundwater Effluent Standards, Class GA, Table 1.

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Table 2
Broome County Colesville Landfill
2022 Monitoring Results
Residential

Client Sample ID:					Loop		1495 E. Windsor Rd.		1394 E. Windsor Rd.		Lee Spring	
Lab Sample ID:					R2202162-002		R2202162-003		R2202162-004		R2202162-005	
			DOH Drinking Water Standard[2]									
Date Sampled:					3/10/2022		3/10/2022		3/10/2022		3/10/2022	
Parameter	CAS NO.	UNIT	Standard	Basis	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
Field Parameters												
pH (Field)	STL00199	SU	-		6.36	=	8.22	=	7.44	=	6.44	=
Dissolved Oxygen	STL00082	MG/L	-		2	U	4.7	=	2	U	2	U
Specific Conductivity	STL00244	UMHOS/CM	-		266	=	757	=	160	=	206	=
Field EH/ORP	STL00811	MILLIVOLTS	-		26	=	-27	=	-54	=	160	=
Temperature (Field Test)	STL00246	DEGREES C	-		6.6	=	11.2	=	0.8	=	9.5	=
Turbidity (Field)	STL00392	NTU	-		1.1	=	1.3	=	0.6	=	0.7	=
General Parameters												
Alkalinity	STL00171	mg/L	-		41.1	=	133	=	65.3	=	76.6	=
Ammonia	7664-41-7	mg/L	-		0.05	U	0.243	=	0.05	U	0.05	U
Boron	7440-42-8	mg/L	-	UOC	0.2	U	0.2	U	0.2	U	0.2	U
Bromide	24959-67-9	mg/L	-		1	U	1.6	=	1	U	1	U
Chloride	16887-00-6	mg/L	250	Specified	24.8	=	142	=	2	U	10.1	=
Color	COLOR	Color Units	15	Specified	2	=	3	=	2	=	3	=
Cyanide	57-12-5	mg/L	0.2	Specified	0.005	U	0.005	U	0.005	U	0.005	U
Nitrate (expressed as N)	14797-55-8	mg/L	10	Specified	8.3	=	0.05	U	0.05	U	0.369	=
Nitrite (expressed as N)	14797-65-0	mg/L	1	Specified	0.01	U	0.01	U	0.01	U	0.01	U
Sulfate	14808-79-8	mg/L	250	Specified	13	=	2	U	2	U	7.4	=
Total Dissolved Solids (TDS)	STL00242	mg/L	-		155	=	375	=	75	=	114	=
Total Hardness as CaCO3	STL00009	mg/L	-		87.7	=	68.3	=	56.8	=	84	=
Total Kjeldahl Nitrogen	STL00296	mg/L	-		0.2	U	0.2	U	0.2	U	0.21	=
Total Organic Carbon	7440-44-0	mg/L	-		1	U	1	U	1	U	1	U
Metals												
Aluminum	7429-90-5	mg/L	-		0.1	U	0.1	U	0.1	U	0.26	=
Antimony	7440-36-0	mg/L	0.006	Specified	0.06	U	0.06	U	0.06	U	0.06	U
Arsenic	7440-38-2	mg/L	0.01	Specified	0.01	U	0.01	U	0.01	U	0.01	U
Barium	7440-39-3	mg/L	2	Specified	0.02	U	1.33	=	0.021	=	0.02	U
Beryllium	7440-41-7	mg/L	0.004	Specified	0.003	U	0.003	U	0.003	U	0.003	U
Cadmium	7440-43-9	mg/L	0.005	Specified	0.005	U	0.005	U	0.005	U	0.005	U
Calcium	7440-70-2	mg/L	-		25.7	=	21.5	=	16.1	=	23.6	=
Chromium	7440-47-3	mg/L	0.1	Specified	0.01	U	0.01	U	0.01	U	0.01	U
Cobalt	7440-48-4	mg/L	-		0.05	U	0.05	U	0.05	U	0.05	U
Copper	7440-50-8	mg/L	-		0.02	U	0.02	U	0.02	U	0.02	U
Iron	7439-89-6	mg/L	0.3	Specified	0.1	U	0.28	=	0.84	=	0.25	=
Lead	7439-92-1	mg/L	-		0.005	U	0.005	U	0.005	U	0.005	U
Magnesium	7439-95-4	mg/L	-		5.7	=	3.6	=	4	=	6.1	=
Manganese	7439-96-5	mg/L	0.3	Specified	0.01	U	0.059	=	0.148	=	0.01	U
Mercury	7439-97-6	mg/L	0.002	Specified	0.0002	U	0.0002	U	0.0002	U	0.0002	U
Nickel	7440-02-0	mg/L	-		0.04	U	0.04	U	0.04	U	0.04	U
Potassium	7440-09-7	mg/L	-		2	U	2	U	2	U	2	U
Selenium	7782-49-2	mg/L	0.05	Specified	0.01	U	0.01	U	0.01	U	0.01	U
Silver	7440-22-4	mg/L	-		0.01	U	0.01	U	0.01	U	0.01	U
Sodium	7440-23-5	mg/L	-		12.4	=	115	=	5	=	7.7	=
Thallium	7440-28-0	mg/L	0.002	Specified	0.01	U	0.01	U	0.01	U	0.01	U
Vanadium	7440-62-2	mg/L	-		0.05	U	0.05	U	0.05	U	0.05	U
Zinc	7440-66-6	mg/L	5	Specified	0.02	U	0.02	U	0.02	U	0.02	U
Volatile Organic Compounds												
1,1,1-Trichloroethane	71-55-6	ug//L	50	UOC	5	U	5	U	5	U	5	U
1,1,2,2-Tetrachloroethane	79-34-5	ug//L	50	UOC	5	U	5	U	5	U	5	U
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ug//L	50	UOC	-		-		-		-	
1,1,2-Trichloroethane	79-00-5	ug//L	50	UOC	5	U	5	U	5	U	5	U
1,1-Dichloroethane	75-34-3	ug//L	50	UOC	5	U	5	U	5	U	0.81	=,J
1,1-Dichloroethene	75-35-4	ug//L	5	POC	5	U	5	U	5	U	5	U
1,2-Dibromo-3-chloropropane	96-12-8	ug//L	0.0002	Specified	5	U	5	U	5	U	5	U
1,2-Dibromoethane	106-93-4	ug//L	0.05	Specified	5	U	5	U	5	U	5	U
1,2-Dichlorobenzene	95-50-1	ug/L	5	POC	5	U	5	U	5	U	5	U
1,2-Dichloroethane	107-06-2	ug/L	50	UOC	5	U	5	U	5	U	5	U
1,2-Dichloropropane	78-87-5	ug/L	50	UOC	5	U	5	U	5	U	5	U
1,4-Dichlorobenzene	106-46-7	ug/L	5	POC	5	U	5	U	5	U	5	U
2-Butanone	78-93-3	ug/L	50	UOC	10	U	10	U	10	U	10	U
2-Hexanone	591-78-6	ug/L	50	UOC	10	U	10	U	10	U	10	U
4-Methyl-2-pentanone	108-10-1	ug/L	50	UOC	10	U	10	U	10	U	10	U
Acetone	67-64-1	ug/L	50	UOC	10	U	6.7	=,J	10	U	10	U
Benzene	71-43-2	ug/L	5	POC	5	U	5	U	5	U	5	U
Bromodichloromethane	75-27-4	ug/L	5	Specified	5	U	5	U	5	U	5	U
Bromoform	75-25-2	ug/L	5	Specified	5	U	5	U	5	U	5	U
Bromomethane	74-83-9	ug/L	50	UOC	5	U	5	U	5	U	5	U
Carbon disulfide	75-15-0	ug/L	50	UOC	10	U	10	U	10	U	10	U
Carbon tetrachloride	56-23-5	ug/L	50	UOC	5	U	5	U	5	U	5	U
Chlorobenzene	108-90-7	ug/L	5	POC	5	U	5	U	5	U	5	U

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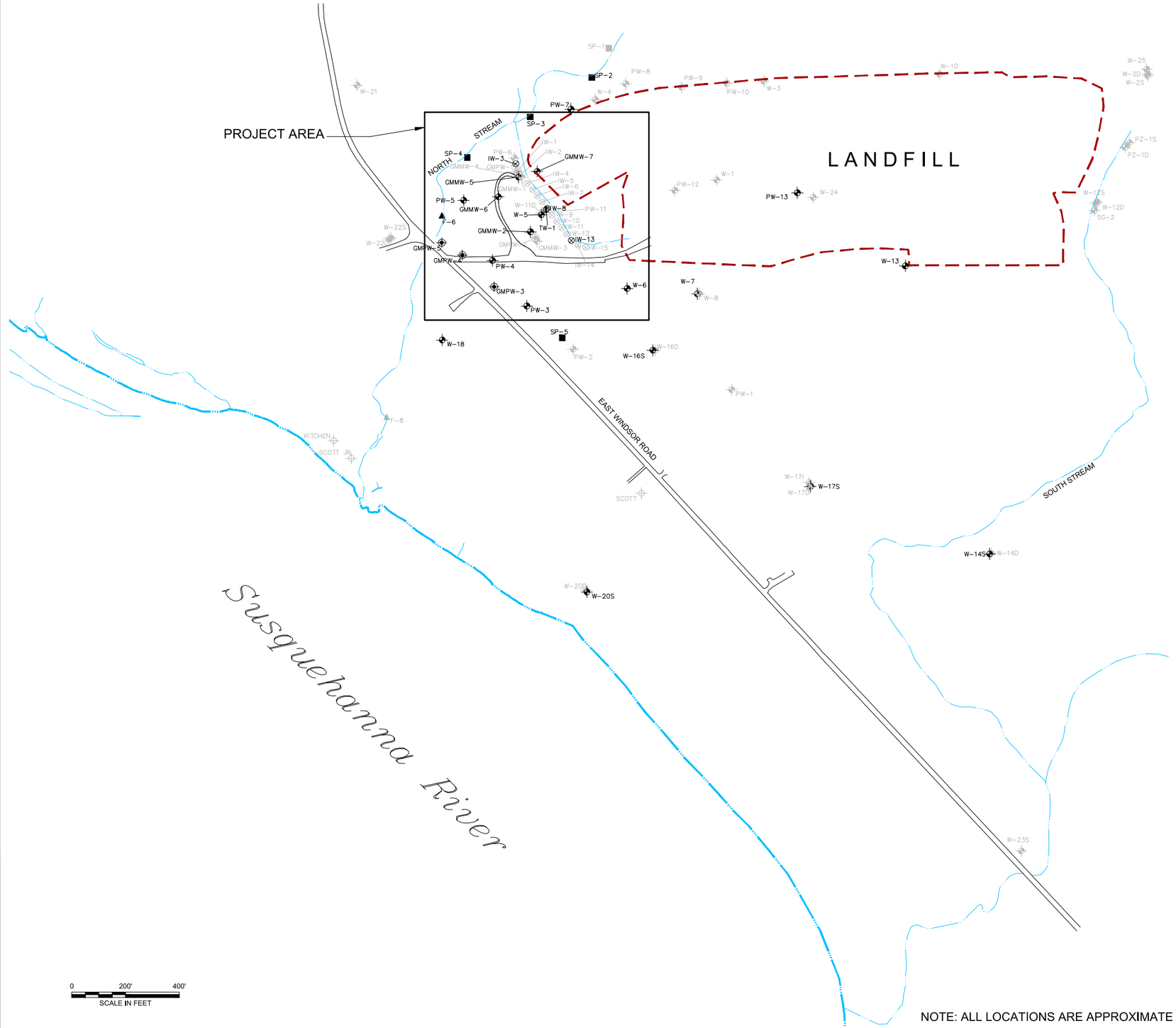
Table 2
Broome County Colesville Landfill
2022 Monitoring Results
Residential

Client Sample ID:					Loop		1495 E. Windsor Rd.		1394 E. Windsor Rd.		Lee Spring	
Lab Sample ID:					R2202162-002		R2202162-003		R2202162-004		R2202162-005	
Date Sampled:			DOH Drinking Water Standard[2]		3/10/2022		3/10/2022		3/10/2022		3/10/2022	
Parameter	CAS NO.	UNIT	Standard	Basis	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
Chloroethane	75-00-3	ug/L	50	UOC	5	U	5	U	5	U	5	U
Chloroform	67-66-3	ug/L	5	Specified	5	U	5	U	5	U	5	U
Chloromethane	74-87-3	ug/L	50	UOC	5	U	5	U	5	U	5	U
cis-1,2-Dichloroethene	156-59-2	ug/L	5	POC	5	U	5	U	5	U	0.35	=,J
cis-1,3-Dichloropropene	10061-01-5	ug/L	50	UOC	5	U	5	U	5	U	5	U
Dibromochloromethane	124-48-1	ug/L	5	Specified	5	U	5	U	5	U	5	U
Ethylbenzene	100-41-4	ug/L	5	POC	5	U	5	U	5	U	5	U
m,p-Xylene	179601-23-1	ug/L	5	POC	5	U	5	U	5	U	5	U
Methylene chloride	75-09-2	ug/L	50	UOC	5	U	5	U	5	U	5	U
o-Xylene	95-47-6	ug/L	5	POC	5	U	5	U	5	U	5	U
Styrene	100-42-5	ug/L	5	POC	5	U	5	U	5	U	5	U
Tetrachloroethene	127-18-4	ug/L	5	POC	5	U	5	U	5	U	5	U
Toluene	108-88-3	ug/L	5	POC	5	U	5	U	5	U	5	U
trans-1,2-Dichloroethene	156-60-5	ug/L	5	POC	5	U	5	U	5	U	5	U
trans-1,3-Dichloropropene	10061-02-6	ug/L	5	POC	5	U	5	U	5	U	5	U
Trichloroethene	79-01-6	ug/L	5	POC	5	U	5	U	5	U	0.62	=,J
Trichlorofluoromethane	75-69-4	ug/L	50	UOC	5	U	5	U	5	U	5	U
Vinyl chloride	75-01-4	ug/L	2	Specified	5	U	5	U	5	U	5	U
Additional Compounds												
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	50	UOC	5	U	5	U	5	U	5	U
1,2,3-Trichloropropane	96-18-4	ug/L	50	UOC	5	U	5	U	5	U	5	U
Acrylonitrile	107-13-1	ug/L	5	POC	100	U	100	U	100	U	100	U
Bromochloromethane	74-97-5	ug/L	50	UOC	5	U	5	U	5	U	5	U
Dibromomethane	74-95-3	ug/L	50	UOC	5	U	0.99	=,J	5	U	5	U
Iodomethane	74-88-4	ug/L	50	UOC	10	U	10	U	10	U	10	U
trans-1,4-Dichloro-2-butene	110-57-6	ug/L	5	POC	5	U	5	U	5	U	5	U
Vinyl acetate	108-05-4	ug/L	50	UOC	10	U	10	U	10	U	10	U
Total POCs and UOCs	*TPOCUOC*	*ug/L*	100	*Specified*	*ND*		*6.7*		*ND*		*1.78*	

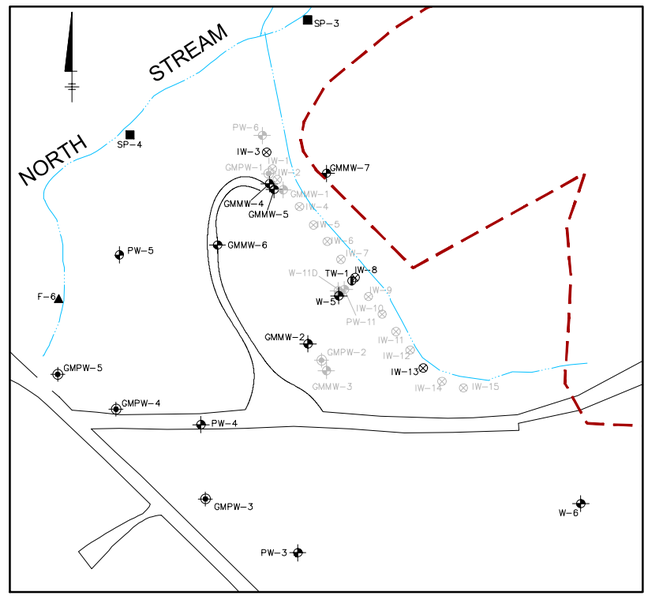
Key	
##	Result exceeds NYSDOH Drinking Water Standards
NS	Not Sampled
-	Not Analyzed
U or ND	Not Detected
2	DOH Drinking Water Standard (10 NYCRR Subpart 5-1, Tables 1, 2, 3)
POC	Principal organic contaminant
UOC	Unspecified organic contaminant

FIGURE 1
Site Plan



EXPLANATION

BOLD	IN-SITU REACTIVE ZONE (IRZ) DISCONTINUATION PILOT TEST MONITORING WELL
W-24 GMMW-7	LOCATION AND DESIGNATION OF MONITORING WELL
SCOTT	LOCATION AND DESIGNATION OF EXISTING HOMEOWNER WELL
IW-2	LOCATION AND DESIGNATION OF INJECTION WELL
GMPW-3	LOCATION AND DESIGNATION OF PRODUCTION WELL
TW-1	LOCATION AND DESIGNATION OF TEST MONITORING WELL
F-6	LOCATION AND DESIGNATION OF SURFACE WATER SAMPLE
SP-2	LOCATION AND DESIGNATION OF SPRING SAMPLE AND CO-LOCATED SEDIMENT SAMPLE



SITE PLAN SHOWING PROJECT AREA

NOTE: ALL LOCATIONS ARE APPROXIMATE

Figure based on figure prepared by Arcadis for the December 16, 2020 report "2020 Annual Monitoring Report, Colesville Landfill"

COLESVILLE LANDFILL
COLESVILLE, NEW YORK

SITE PLAN

Barton&Loguidice

FIGURE
1

APPENDIX A
Laboratory Analytical Results

March 21, 2022 Service Request No:R2202163

Emily Giordano
Broome County Division of Solid Waste Management
60 Hawley St.
P.O. Box 1766
Binghamton, NY 13902

Laboratory Results for: Colesville 5th Quarter

Dear Emily,

Enclosed are the results of the sample(s) submitted to our laboratory March 11, 2022
For your reference, these analyses have been assigned our service request number **R2202163.**

All testing was performed according to our laboratory's quality assurance program and met the requirements of the TNI standards except as noted in the case narrative report. Any testing not included in the lab's accreditation is identified on a Non-Certified Analytes report. All results are intended to be considered in their entirety. ALS Environmental is not responsible for use of less than the complete report. Results apply only to the individual samples submitted to the lab for analysis, as listed in the report. The measurement uncertainty of the results included in this report is within that expected when using the prescribed method(s), and represented by Laboratory Control Sample control limits. Any events, such as QC failures or Holding Time exceedances, which may add to the uncertainty are explained in the report narrative or are flagged with qualifiers. The flags are explained in the Report Qualifiers and Definitions page of this report.

Please contact me if you have any questions. My extension is 7471. You may also contact me via email at Brady.Kalkman@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

Brady Kalkman
Project Manager

CC: Jon Sundquist

ADDRESS 1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
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ALS Group USA, Corp.
dba ALS Environmental

Narrative Documents

ALS Environmental—Rochester Laboratory
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Phone (585) 288-5380 Fax (585) 288-8475
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ALS Environmental

Client: Broome County Division of Solid Waste Management
Project: Colesville 5th Quarter
Sample Matrix: Drinking Water

Service Request: R2202163
Date Received: 03/11/2022

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples for the Tier II level requested by the client.

Sample Receipt:

Thirty drinking water samples were received for analysis at ALS Environmental on 03/11/2022. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

Metals:

No significant anomalies were noted with this analysis.

General Chemistry:

No significant anomalies were noted with this analysis.

Volatiles by GC:

No significant anomalies were noted with this analysis.

Volatiles by GC/MS:

Method 8260C, 03/15/2022: The lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.

Method 8260C, 03/15/2022: The upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.

Method 8260C, 03/14/2022: The lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.

Field:

Sampling was performed by ALS personnel in accordance with ALS Field Sampling SOPs or by client specifications.

Approved by _____ Date 03/21/2022

SAMPLE DETECTION SUMMARY

CLIENT ID: W-18	Lab ID: R2202163-001					
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Carbon, Total Organic (TOC)	1.5			1.0	mg/L	SM 5310 C-2000 (2011)
Conductivity, Field	252				uMHOS/cm	120.1
Nitrate as Nitrogen	1.4			1.0	mg/L	300.0
Oxidation-Reduction Potential (ORP), Field	127				mV	ASTM D1498-00
pH, Field	6.89				pH Units	SM 4500-H+ B
Sulfate	4.9			2.0	mg/L	300.0
Temperature, Field	1.30				deg C	SM 2550 B
Turbidity, Field	13				NTU	180.1
Iron, Total	25100			100	ug/L	6010C

CLIENT ID: PW-5	Lab ID: R2202163-003					
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Conductivity, Field	311				uMHOS/cm	120.1
Oxidation-Reduction Potential (ORP), Field	153				mV	ASTM D1498-00
pH, Field	7.35				pH Units	SM 4500-H+ B
Temperature, Field	0.100				deg C	SM 2550 B
Turbidity, Field	58				NTU	180.1

CLIENT ID: GMPW-4	Lab ID: R2202163-005					
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Carbon, Total Organic (TOC)	3.5			1.0	mg/L	SM 5310 C-2000 (2011)
Conductivity, Field	672				uMHOS/cm	120.1
Oxidation-Reduction Potential (ORP), Field	154				mV	ASTM D1498-00
pH, Field	6.29				pH Units	SM 4500-H+ B
Sulfate	9.1			2.0	mg/L	300.0
Temperature, Field	5.40				deg C	SM 2550 B
Turbidity, Field	1.6				NTU	180.1
1,1-Dichloroethane (1,1-DCA)	17			5.0	ug/L	8260C
Chlorobenzene	10			5.0	ug/L	8260C
Chloroethane	11			5.0	ug/L	8260C
Trichloroethene (TCE)	20			5.0	ug/L	8260C
cis-1,2-Dichloroethene	7.1			5.0	ug/L	8260C
Ethane, Dissolved	1.9		0.17	1.0	ug/L	RSK 175
Methane, Dissolved	930	E	0.75	1.1	ug/L	RSK 175
Methane, Dissolved	630	D	15	21	ug/L	RSK 175

CLIENT ID: PW-4	Lab ID: R2202163-007					
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Carbon, Total Organic (TOC)	2.2			1.0	mg/L	SM 5310 C-2000 (2011)

SAMPLE DETECTION SUMMARY

CLIENT ID: PW-4	Lab ID: R2202163-007					
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Conductivity, Field	264				uMHOS/cm	120.1
Oxidation-Reduction Potential (ORP), Field	216				mV	ASTM D1498-00
pH, Field	6.11				pH Units	SM 4500-H+ B
Sulfate	7.2			2.0	mg/L	300.0
Temperature, Field	5.00				deg C	SM 2550 B
Turbidity, Field	7.9				NTU	180.1
Iron, Total	190			100	ug/L	6010C

CLIENT ID: GMMW-6	Lab ID: R2202163-009					
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Carbon, Total Organic (TOC)	5.5			1.0	mg/L	SM 5310 C-2000 (2011)
Conductivity, Field	953				uMHOS/cm	120.1
Oxidation-Reduction Potential (ORP), Field	-49.0				mV	ASTM D1498-00
pH, Field	6.52				pH Units	SM 4500-H+ B
Temperature, Field	4.80				deg C	SM 2550 B
Turbidity, Field	20.8				NTU	180.1
Iron, Total	11200			100	ug/L	6010C
1,1-Dichloroethane (1,1-DCA)	8.0			5.0	ug/L	8260C
Acetone	12			10	ug/L	8260C
Chlorobenzene	28			5.0	ug/L	8260C
Chloroethane	87			5.0	ug/L	8260C
Ethane, Dissolved	11		0.17	1.0	ug/L	RSK 175
Ethene, Dissolved	2.1		0.35	1.0	ug/L	RSK 175
Methane, Dissolved	1800	E	0.75	1.1	ug/L	RSK 175
Methane, Dissolved	13000	D	150	210	ug/L	RSK 175

CLIENT ID: GMMW-6 Diss	Lab ID: R2202163-010					
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Iron, Dissolved	20400			100	ug/L	6010C

CLIENT ID: GMMW-2	Lab ID: R2202163-011					
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Carbon, Total Organic (TOC)	2.8			1.0	mg/L	SM 5310 C-2000 (2011)
Conductivity, Field	504				uMHOS/cm	120.1
Oxidation-Reduction Potential (ORP), Field	149				mV	ASTM D1498-00
pH, Field	6.41				pH Units	SM 4500-H+ B
Sulfate	20.7			2.0	mg/L	300.0
Temperature, Field	5.90				deg C	SM 2550 B
Turbidity, Field	3.1				NTU	180.1
Iron, Total	700			100	ug/L	6010C

SAMPLE DETECTION SUMMARY

CLIENT ID: GMMW-2			Lab ID: R2202163-011			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
1,1-Dichloroethane (1,1-DCA)	12			5.0	ug/L	8260C
Chlorobenzene	16			5.0	ug/L	8260C
Trichloroethene (TCE)	6.4			5.0	ug/L	8260C
Ethane, Dissolved	0.45	J	0.17	1.0	ug/L	RSK 175
Methane, Dissolved	880	E	0.75	1.1	ug/L	RSK 175
Methane, Dissolved	580	D	7.5	11	ug/L	RSK 175

CLIENT ID: GMMW-2 Diss			Lab ID: R2202163-012			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Iron, Dissolved	180			100	ug/L	6010C

CLIENT ID: GMMW-2 Dup			Lab ID: R2202163-013			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Carbon, Total Organic (TOC)	2.9			1.0	mg/L	SM 5310 C-2000 (2011)
Conductivity, Field	500				uMHOS/cm	120.1
Oxidation-Reduction Potential (ORP), Field	143				mV	ASTM D1498-00
pH, Field	6.40				pH Units	SM 4500-H+ B
Sulfate	21.1			2.0	mg/L	300.0
Temperature, Field	5.90				deg C	SM 2550 B
Turbidity, Field	3.7				NTU	180.1
Iron, Total	730			100	ug/L	6010C
1,1-Dichloroethane (1,1-DCA)	13			5.0	ug/L	8260C
Chlorobenzene	16			5.0	ug/L	8260C
Trichloroethene (TCE)	7.2			5.0	ug/L	8260C
Ethane, Dissolved	0.46	J	0.17	1.0	ug/L	RSK 175
Methane, Dissolved	890	E	0.75	1.1	ug/L	RSK 175
Methane, Dissolved	550	D	15	21	ug/L	RSK 175

CLIENT ID: GMMW-2 Dup Diss			Lab ID: R2202163-014			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Iron, Dissolved	160			100	ug/L	6010C

CLIENT ID: W-7			Lab ID: R2202163-017			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Conductivity, Field	384				uMHOS/cm	120.1
Oxidation-Reduction Potential (ORP), Field	14.0				mV	ASTM D1498-00
pH, Field	6.04				pH Units	SM 4500-H+ B
Temperature, Field	9.20				deg C	SM 2550 B
Turbidity, Field	21.3				NTU	180.1

SAMPLE DETECTION SUMMARY

CLIENT ID: PW-3	Lab ID: R2202163-018					
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Carbon, Total Organic (TOC)	1.6			1.0	mg/L	SM 5310 C-2000 (2011)
Conductivity, Field	343				uMHOS/cm	120.1
Oxidation-Reduction Potential (ORP), Field	40.0				mV	ASTM D1498-00
pH, Field	6.31				pH Units	SM 4500-H+ B
Sulfate	6.8			2.0	mg/L	300.0
Temperature, Field	2.90				deg C	SM 2550 B
Turbidity, Field	28				NTU	180.1
Iron, Total	2380			100	ug/L	6010C

CLIENT ID: W-16S	Lab ID: R2202163-020					
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Carbon, Total Organic (TOC)	1.7			1.0	mg/L	SM 5310 C-2000 (2011)
Conductivity, Field	370				uMHOS/cm	120.1
Oxidation-Reduction Potential (ORP), Field	71.0				mV	ASTM D1498-00
pH, Field	6.22				pH Units	SM 4500-H+ B
Sulfate	11.6			2.0	mg/L	300.0
Temperature, Field	4.70				deg C	SM 2550 B
Turbidity, Field	48.8				NTU	180.1
Iron, Total	15600			100	ug/L	6010C
1,1-Dichloroethane (1,1-DCA)	8.1			5.0	ug/L	8260C
Chlorobenzene	18			5.0	ug/L	8260C
Methane, Dissolved	830	E	0.75	1.1	ug/L	RSK 175
Methane, Dissolved	510	D	7.5	11	ug/L	RSK 175

CLIENT ID: W-16S Diss	Lab ID: R2202163-021					
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Iron, Dissolved	150			100	ug/L	6010C

CLIENT ID: PW-7	Lab ID: R2202163-022					
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Conductivity, Field	141				uMHOS/cm	120.1
Nitrate as Nitrogen	1.1			1.0	mg/L	300.0
Oxidation-Reduction Potential (ORP), Field	96.0				mV	ASTM D1498-00
pH, Field	5.99				pH Units	SM 4500-H+ B
Sulfate	9.6			2.0	mg/L	300.0
Temperature, Field	8.90				deg C	SM 2550 B
Turbidity, Field	8.1				NTU	180.1
Iron, Total	3250			100	ug/L	6010C
1,1-Dichloroethane (1,1-DCA)	14			5.0	ug/L	8260C
Chloroethane	6.2			5.0	ug/L	8260C

SAMPLE DETECTION SUMMARY

CLIENT ID: PW-7	Lab ID: R2202163-022					
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Trichloroethene (TCE)	5.5			5.0	ug/L	8260C
cis-1,2-Dichloroethene	12			5.0	ug/L	8260C
Methane, Dissolved	34		0.75	1.1	ug/L	RSK 175

CLIENT ID: PW-7 Diss	Lab ID: R2202163-023					
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Iron, Dissolved	900			100	ug/L	6010C

CLIENT ID: GMMW-7	Lab ID: R2202163-024					
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Carbon, Total Organic (TOC)	1.6			1.0	mg/L	SM 5310 C-2000 (2011)
Conductivity, Field	354				uMHOS/cm	120.1
Oxidation-Reduction Potential (ORP), Field	119				mV	ASTM D1498-00
pH, Field	6.19				pH Units	SM 4500-H+ B
Sulfate	10.9			2.0	mg/L	300.0
Temperature, Field	9.00				deg C	SM 2550 B
Turbidity, Field	2.8				NTU	180.1
Iron, Total	180			100	ug/L	6010C
1,1-Dichloroethane (1,1-DCA)	33			5.0	ug/L	8260C
Chlorobenzene	14			5.0	ug/L	8260C
Chloroethane	11			5.0	ug/L	8260C
Trichloroethene (TCE)	12			5.0	ug/L	8260C
Vinyl Chloride	10			5.0	ug/L	8260C
cis-1,2-Dichloroethene	26			5.0	ug/L	8260C
Ethane, Dissolved	1.2		0.17	1.0	ug/L	RSK 175
Ethene, Dissolved	3.0		0.35	1.0	ug/L	RSK 175
Methane, Dissolved	980	E	0.75	1.1	ug/L	RSK 175
Methane, Dissolved	680	D	15	21	ug/L	RSK 175

CLIENT ID: GMMW-7 Diss	Lab ID: R2202163-025					
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Iron, Dissolved	150			100	ug/L	6010C

CLIENT ID: W-17S	Lab ID: R2202163-026					
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Conductivity, Field	98				uMHOS/cm	120.1
Oxidation-Reduction Potential (ORP), Field	119				mV	ASTM D1498-00
pH, Field	6.39				pH Units	SM 4500-H+ B
Temperature, Field	4.70				deg C	SM 2550 B
Turbidity, Field	8.6				NTU	180.1

SAMPLE DETECTION SUMMARY

CLIENT ID: W-20S			Lab ID: R2202163-027			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Conductivity, Field	143				uMHOS/cm	120.1
Oxidation-Reduction Potential (ORP), Field	145				mV	ASTM D1498-00
pH, Field	6.09				pH Units	SM 4500-H+ B
Temperature, Field	5.50				deg C	SM 2550 B
Turbidity, Field	24.9				NTU	180.1

CLIENT ID: GMMW-5			Lab ID: R2202163-028			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Carbon, Total Organic (TOC)	5.2			1.0	mg/L	SM 5310 C-2000 (2011)
Conductivity, Field	601				uMHOS/cm	120.1
Oxidation-Reduction Potential (ORP), Field	-45.0				mV	ASTM D1498-00
pH, Field	6.42				pH Units	SM 4500-H+ B
Sulfate	7.6			2.0	mg/L	300.0
Temperature, Field	9.30				deg C	SM 2550 B
Turbidity, Field	12.3				NTU	180.1
Iron, Total	59900			1000	ug/L	6010C
Chlorobenzene	7.2			5.0	ug/L	8260C
Chloroethane	35			5.0	ug/L	8260C
Ethane, Dissolved	4.6		0.17	1.0	ug/L	RSK 175
Ethene, Dissolved	0.66	J	0.35	1.0	ug/L	RSK 175
Methane, Dissolved	1800	E	0.75	1.1	ug/L	RSK 175
Methane, Dissolved	12000	D	190	260	ug/L	RSK 175

CLIENT ID: GMMW-5 Diss			Lab ID: R2202163-029			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Iron, Dissolved	55900			1000	ug/L	6010C

Sample Receipt Information

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client: Broome County Division of Solid Waste Management **Service Request:**R2202163
Project: Colesville 5th Quarter

SAMPLE CROSS-REFERENCE

SAMPLE #	CLIENT SAMPLE ID	DATE	TIME
R2202163-001	W-18	3/10/2022	0805
R2202163-002	W-18 Diss	3/10/2022	0805
R2202163-003	PW-5	3/10/2022	0835
R2202163-005	GMPW-4	3/10/2022	0900
R2202163-006	GMPW-4 Diss	3/10/2022	0900
R2202163-007	PW-4	3/10/2022	0925
R2202163-009	GMMW-6	3/10/2022	1035
R2202163-010	GMMW-6 Diss	3/10/2022	1035
R2202163-011	GMMW-2	3/10/2022	1310
R2202163-012	GMMW-2 Diss	3/10/2022	1310
R2202163-013	GMMW-2 Dup	3/10/2022	1310
R2202163-014	GMMW-2 Dup Diss	3/10/2022	1310
R2202163-015	Trip Blank 1	3/10/2022	0805
R2202163-016	Trip Blank 2	3/10/2022	0715
R2202163-017	W-7	3/10/2022	0715
R2202163-018	PW-3	3/10/2022	0950
R2202163-019	PW-3 Diss	3/10/2022	0950
R2202163-020	W-16S	3/10/2022	0950
R2202163-021	W-16S Diss	3/10/2022	0950
R2202163-022	PW-7	3/10/2022	1030
R2202163-023	PW-7 Diss	3/10/2022	1030
R2202163-024	GMMW-7	3/10/2022	1030
R2202163-025	GMMW-7 Diss	3/10/2022	1030
R2202163-026	W-17S	3/10/2022	1050
R2202163-027	W-20S	3/10/2022	1100
R2202163-028	GMMW-5	3/10/2022	1055
R2202163-029	GMMW-5 Diss	3/10/2022	1055
R2202163-030	Equipment Blank	3/10/2022	1140
R2202163-031	Equipment Blank Diss	3/10/2022	1140
R2202163-032	PW-4 Diss	3/10/2022	0925

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

062816

1565 Jefferson Road, Building 300, Suite 360 • Rochester, NY 14623 | +1 585 288 5380 +1 585 288 8475 (fax) PAGE 1 OF 1

Project Name: Colesville 5th Quarter	Project Number:
Project Manager: Emily Giordano	Report CC:
Company/Address: Broome County Landfill Knapp Rd Binghamton, NY	
Phone #: 607-778-8000	Email:
Sampler's Signature:	Sampler's Printed Name: Kelsey Foley

ANALYSIS REQUESTED *(Include Method Number and Container Preservative)*

PRESERVATIVE

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	GC/MS VOAs 8260 ○ 624 ○ CLP	GC/MS SVOAs ○ 8270 ○ 625	GC VOAs ○ 8021 ○ 601/602	PESTICIDES ○ 8081 ○ 608	PCBs ○ 8082 ○ 608	METALS, TOTAL (List in comments below)	METALS, DISSOLVED (List in comments below)	TOC	RSK-175	NO2, NO3, SO4	Field Parameters	REMARKS/ ALTERNATE DESCRIPTION
MW-18		3/10/22	0805	W	12	X					X	X	X	X	X	X	55
PW-5			0835	W	3	X											64
GMPW-4			0900	W	12	X					X	X	X	X	X	X	56
PW-4			0925	W	12	X					X	X	X	X	X	X	57
GMMW-6			1035	W	12	X					X	X	X	X	X	X	59
GMMW-2			1310	W	12	X					X	X	X	X	X	X	101
GMMW-2 DUP			1310	W	12	X					X	X	X	X	X	X	102 DUP
Trip Blank			0805	W	3	X											

Preservative Key
0. NONE
1. HCL
2. HNO_3
3. H_2SO_4
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
8. Other _____

SPECIAL INSTRUCTIONS/COMMENTS
Metals * Dissolved Metals filtered in field using 0.45 Micron filter

See QAPP ☐

STATE WHERE SAMPLES WERE COLLECTED

TURNAROUND REQUIREMENTS
____ RUSH (SURCHARGES APPLY)
____ 1 day ____ 2 day ____ 3 day
____ 4 day ____ 5 day
____ Standard (10 business days-No Surcharge)
REQUESTED REPORT DATE _____

REPORT REQUIREMENTS
____ I. Results Only
____ II. Results + QC Summaries (LCS, DUP, MS/MSD as required)
____ III. Results + QC and Calibration Summaries
____ IV. Data Validation Report with Raw Data
Edata ____ Yes ____ No

INVOICE INFORMATION
PO #
BILL TO:

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature:	Signature:	Signature:	Signature:	Signature:	
Printed Name: Kelsey Foley	Printed Name: Matthew Morley	Printed Name:	Printed Name:	Printed Name:	
Firm: ALS	Firm: ALS	Firm:	Firm:	Firm:	
Date/Time: 3/10/22 1715	Date/Time: 3/10/22 1715	Date/Time:	Date/Time:	Date/Time:	

R2202163 5
Broome County Division of Solid Waste Management
Colesville 5th Quarter

Distribution: White - Lab Copy; Yellow - Return to Originator

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

062302

1565 Jefferson Road, Building 300, Suite 360 • Rochester, NY 14623 | +1 585 288 5380 +1 585 288 8475 (fax) PAGE 1 OF 1

Project Name: Colesville 5th Quarter Wells	Project Number:
Project Manager: Emily Giordano	Report CC:
Company/Address: Broome County LF	
Phone #: 607-778-8000	Email:
Sampler's Signature:	Sampler's Printed Name: Kyle Lee

ANALYSIS REQUESTED (Include Method Number and Container Preser)

PRESERVATIVE

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	GC/MS VOAs • 8260 • 624 • CLP	GC/MS SVOAs • 8270 • 625	GC VOAs • 8021 • 601/602	PESTICIDES • 8081 • 608	PCBs • 8082 • 608	METALS, TOTAL (List in comments below)	METALS, DISSOLVED (List in comments below)	TOC	RSK-175	NO2, NO3, SO4	Field	ALTERNATE DESCRIPTION
Trip Blank		3/10/22	0715	W	3	X											
W-7			0715	W	3	X										X	61
PW-3 QC			0950	W	24	X					X	X	X	X	X	X	48+49 QC
W-16S			0950	W	12	X					X	X	X	X	X	X	50
PW-7			1030	W	12	X					X	X	X	X	X	X	52
GMMW-7			1030	W	12	X					X	X	X	X	X	X	51
W-17S			1050	W	3	X										X	62
W-20S			1100	W	3	X										X	63
GMMW-5			1055	W	12	X					X	X	X	X	X	X	53
Equipment Blank			1140	W	12	X					X	X	X	X	X	X	100

SPECIAL INSTRUCTIONS/COMMENTS

Metals

Dissolved metals filtered in field using 0.45 micron filter

See QAPP ☐

STATE WHERE SAMPLES WERE COLLECTED

TURNAROUND REQUIREMENTS

____ RUSH (SURCHARGES APPLY)

____ 1 day ____ 2 day ____ 3 day

____ 4 day ____ 5 day

____ Standard (10 business days-No Surcharge)

REQUESTED REPORT DATE ____

REPORT REQUIREMENTS

____ I. Results Only

____ II. Results + QC Summaries (LCS, DUP, MS/MSD as required)

____ III. Results + QC and Calibration Summaries

____ IV. Data Validation Report with Raw Data

Edata ____ Yes ____ No

INVOICE INFORMATION

PO #

BILL TO:

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature:	Signature:	Signature:	Signature:	Signature:	
Printed Name: Kyle Lee	Printed Name: Kelsey Foley	Printed Name: Kelsey Foley	Printed Name: Matthew Mosley	Printed Name:	
Firm: ALS	Firm: ALS	Firm: ALS	Firm: ALS	Firm:	
Date/Time: 3/10/22	Date/Time: 3/10/22 1400	Date/Time: 3/10/22 1715	Date/Time: 3/10/22 17:15	Date/Time:	

R2202163 5

Broome County Division of Solid Waste Managem

Colesville 5th Quarter

Distribution: White - Lab Copy; Yellow - Return to Originator

FIELD MONITORING REPORT

PROJECT Colesville 5th Quarter LAB ID 055

SAMPLE POINT ID ~~GMW-18~~ W-18 KL 3/10

PURGE INFORMATION

Well Depth (ft.) 18.24 Purge Date 3/9/22 Purge Method Bailer

SWL (ft.) 10.10 Start Time 1055 Stop Time 1103

Standing Water (ft.) 8.14 Volume Purged gal. 3.99 # casings 3 volumes

Well Constant (gal/ft.) 0.163 Observations turbid tan

Well Volume (gal.) 1.33

SAMPLING INFORMATION

Sample Method Bailer

Date 3/10/22 Time 0805 SWL 9.15

Appearance tan tint

Weather Conditions 30°F Cloudy

Sampling Technician (Print) Kelsey Foley Signature

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit	6.90	6.88
Myron 6p	Conductivity	µmhos/cm	252	252
Myron 6p	Temperature	Degrees Celsius	1.3	1.3
Myron 6p	Redox	millivolts	126	127
Lamotte	Turbidity	NTU KL	~~130~~ 13.0	

Calibration Date/Time 3/10/22 0755

pH: 7.00, 4.00, 10.00
SC: 1412 set to 1412
Turbidity: 0.0 set to 0.0
10.0 set to 9.68

OBSERVATIONS

Sampling procedures were performed in accordance with all applicable protocols.

VOA only

FIELD MONITORING REPORT

PROJECT Colesville 5th Quarter LAB ID 0604

SAMPLE POINT ID ~~GMW-5~~ KF PW-5

PURGE INFORMATION

Well Depth (ft.) 23.87 Purge Date 3/9/22 Purge Method Bailer

SWL (ft.) 0.00 Start Time 1146 Stop Time 1207

Standing Water (ft.) 23.87 Volume Purged gal. 11.67 # casings 3 vol

Well Constant (gal/ft.) 0.163 Observations Clear to rust tan tint

Well Volume (gal.) 3.89

SAMPLING INFORMATION

Sample Method Bailer

Date 3/10/22 Time 0835 SWL 0.70

Appearance Slight Gray tint

Weather Conditions 30° Cloudy

Sampling Technician (Print) Kelsey Foley Signature

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit	7.34	7.35
Myron 6p	Conductivity	µmhos/cm	KF ~~311~~ 311	310
Myron 6p	Temperature	Degrees Celsius	0.1	0.1
Myron 6p	Redox	millivolts	153	153
Lamotte	Turbidity	NTU	58.0	-

Calibration Date/Time 3/10/22 0755

OBSERVATIONS

Sampling procedures were performed in accordance with all applicable protocols.

FIELD MONITORING REPORT

PROJECT Colesville 5th Quarter **LAB ID** 056

SAMPLE POINT ID GMPW-4

PURGE INFORMATION

Well Depth (ft.) 25.62 Purge Date 3/9/22 Purge Method PUMP

SWL (ft.) 14.48 Start Time 1235 Stop Time 1245

Standing Water (ft.) 11.14 Volume Purged gal. 21.00 # casings 1.29 vol to dry

Well Constant (gal/ft.) 1.46 Observations Clear

Well Volume (gal.) 16.26

SAMPLING INFORMATION

Sample Method Bailer

Date 3/10/22 Time 0900 SWL 14.93

Appearance Clear

Weather Conditions 30°F Cloudy

Sampling Technician (Print) Kelsey Fory Signature

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit	6.29	6.29
Myron 6p	Conductivity	µmhos/cm	672	672
Myron 6p	Temperature	Degrees Celsius	5.4	5.4
Myron 6p	Redox	millivolts	154	154
Lamotte	Turbidity	NTU	KF ~~1.55~~ 1.6	

Calibration Date/Time 3/10/22 0755

OBSERVATIONS

Sampling procedures were performed in accordance with all applicable protocols.

FIELD MONITORING REPORT

~~60+54 DUP~~

PROJECT Colesville 5th Quarter LAB ID KF ~~060 067~~ 57 KL 3/10

SAMPLE POINT ID PW-4

PURGE INFORMATION

Well Depth (ft.) 23.11 Purge Date 3/9/22 Purge Method Bailer

SWL (ft.) 16.81 Start Time 1304 Stop Time 1310

Standing Water (ft.) 6.30 Volume Purged gal. 3.09 # casings 3 volumes

Well Constant (gal/ft.) 0.163 Observations tan tint to clear

Well Volume (gal.) 1.03

SAMPLING INFORMATION

Sample Method Bailer

Date 3/10/22 Time ~~0925~~ 0925 SWL 17.09

Appearance Clear

Weather Conditions 30°F Sunny

Sampling Technician (Print) Kelsey Fahey Signature

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit	6.10	6.11
Myron 6p	Conductivity	µmhos/cm	265	264
Myron 6p	Temperature	Degrees Celsius	5.0	5.0
Myron 6p	Redox	millivolts	216	216
Lamotte	Turbidity	NTU	KF ~~7.92~~ 7.9	

Calibration Date/Time 3/10/22 0755

OBSERVATIONS

Sampling procedures were performed in accordance with all applicable protocols.

FIELD MONITORING REPORT

PROJECT Colesville 5th Quarter LAB ID 059

SAMPLE POINT ID GMMW-6

PURGE INFORMATION

Well Depth (ft.) 56.03 Purge Date 3/9/22 Purge Method Bailer

SWL (ft.) 38.76 Start Time 1413 Stop Time 1427

Standing Water (ft.) 17.28 Volume Purged gal. 4.00 # casings 1.42 vol to dry

Well Constant (gal/ft.) 0.163 Observations tan tint to clear to turbid orange

Well Volume (gal.) 2.81

SAMPLING INFORMATION

Sample Method Bailer

Date 3/10/22 Time 1035 SWL 40.69

Appearance rust tint with particles suspended

Weather Conditions 30°C Sunny

Sampling Technician (Print) Kelsey Foley Signature

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit	6.51	6.52
Myron 6p	Conductivity	µmhos/cm	953	953
Myron 6p	Temperature	Degrees Celsius	4.8	4.8
Myron 6p	Redox	millivolts	-49	~~-49~~ KL 3/10
Lamotte	Turbidity	NTU	20.8	—

Calibration Date/Time 3/10/22 0755

OBSERVATIONS

Sampling procedures were performed in accordance with all applicable protocols.

FIELD MONITORING REPORT

PROJECT Colesville 5th Quarter **LAB ID** 101 + 102 DUP

SAMPLE POINT ID GMMW-2 DUP

PURGE INFORMATION

Well Depth (ft.) 56.01 Purge Date 3/9/22 Purge Method Bailer

SWL (ft.) 36.61 Start Time 1334 Stop Time 1339

Standing Water (ft.) 19.40 Volume Purged gal. 3.16 # casings 1 vol to dry

Well Constant (gal/ft.) 0.163 Observations Clear to Slight tan tint

Well Volume (gal.) 3.16

SAMPLING INFORMATION

Sample Method Bailer

Date 3/10/22 Time 1310 SWL 37.71

Appearance Clear

Weather Conditions 30°F Sunny

Sampling Technician (Print) Kelsey Foley / KL Signature

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit	6.40	6.41
Myron 6p	Conductivity	µmhos/cm	504	500
Myron 6p	Temperature	Degrees Celsius	5.9	5.9
Myron 6p	Redox	millivolts	149	143
Lamotte	Turbidity	NTU	3.1	3.7

Calibration Date/Time 3/10/22 0755

OBSERVATIONS

Sampling procedures were performed in accordance with all applicable protocols.

FIELD MONITORING REPORT

PROJECT Colesville 5th Quarter **LAB ID** Voa only 6l

SAMPLE POINT ID W-7

PURGE INFORMATION

Well Depth (ft.) 51.45 Purge Date 3/9/22 Purge Method Bailer

SWL (ft.) 42.98 Start Time 1158 Stop Time 1208

Standing Water (ft.) 9.17 Volume Purged gal. 2.0 # casings 1.3 to dry

Well Constant (gal/ft.) 0.163 Observations Rust tan tint to turbid

Well Volume (gal.) 1.5 rust brown

SAMPLING INFORMATION

Sample Method Bailer

Date 3/10/22 Time 0715 SWL 42.28

Appearance Rust tan Slightly turbid

Weather Conditions Fog 19°

Sampling Technician (Print) Kyle Lee / QK Signature

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit	6.04	6.04
Myron 6p	Conductivity	µmhos/cm	383	384
Myron 6p	Temperature	Degrees Celsius	9.2	9.2
Myron 6p	Redox	millivolts	14	
Lamotte	Turbidity	NTU	21.3	

Calibration Date/Time 3/10/22 0700

pH 7.00 4.00 10.00
SC 1413 Set 1413
Turb 0.0 Set 0.0
10.0 Set 10.0

OBSERVATIONS

Sampling procedures were performed in accordance with all applicable protocols.

FIELD MONITORING REPORT

PROJECT Colesville 5th Quarter LAB ID 48+49 Full list QC

SAMPLE POINT ID PW-3

PURGE INFORMATION

Well Depth (ft.) 30.92 Purge Date 3/9/22 Purge Method Bailer

SWL (ft.) 9.80 Start Time 1231 Stop Time 1242

Standing Water (ft.) 21.12 Volume Purged gal. ~~5.5~~ 8.0 # casings 2.4 today

Well Constant (gal/ft.) 0.163 Observations Brown turbid

Well Volume (gal.) 3.4

SAMPLING INFORMATION

Sample Method Bailer

Date 3/10/22 Time 0950 SWL 9.80

Appearance Tan moderately turbid

Weather Conditions Sun 20°

Sampling Technician (Print) Kyle Lee / QK Signature

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit	6.30	6.31
Myron 6p	Conductivity	µmhos/cm	343	343
Myron 6p	Temperature	Degrees Celsius	2.9	2.9
Myron 6p	Redox	millivolts	40	
Lamotte	Turbidity	NTU	28.0	

Calibration Date/Time 3 / 10 / 22 0700

OBSERVATIONS

Sampling procedures were performed in accordance with all applicable protocols.

FIELD MONITORING REPORT

PROJECT Colesville 5th Quarter LAB ID Full List 50

SAMPLE POINT ID W-165

PURGE INFORMATION

Well Depth (ft.) 22.17 Purge Date 3/9/22 Purge Method Bailer

SWL (ft.) 9.22 Start Time 1300 Stop Time 1307

Standing Water (ft.) 12.95 Volume Purged gal. 3.5 # casings 1.7 to dry

Well Constant (gal/ft.) 0.163 Observations Rust orange w/ iron bacteria

Well Volume (gal.) 2.1 to turbid brown

SAMPLING INFORMATION

Sample Method Bailer

Date 3/10/22 Time 0950 SWL 11.95

Appearance Turbid tan

Weather Conditions Sun 20°

Sampling Technician (Print) Kyle Lee / QK Signature

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit	6.22	6.22
Myron 6p	Conductivity	µmhos/cm	370	370
Myron 6p	Temperature	Degrees Celsius	4.7	4.7
Myron 6p	Redox	millivolts	71	
Lamotte	Turbidity	NTU	48.8	

Calibration Date/Time 3 / 10 / 22 0700

OBSERVATIONS

Sampling procedures were performed in accordance with all applicable protocols.

FIELD MONITORING REPORT

PROJECT Colesville 5th Quarter Wells LAB ID Full List 52

SAMPLE POINT ID PW-7

PURGE INFORMATION

Well Depth (ft.) 64.25 Purge Date 3/9/22 Purge Method Elec. Pump

SWL (ft.) 40.96 Start Time 1053 Stop Time 1100

Standing Water (ft.) 23.29 Volume Purged gal. 5.5 # casings 1.4 to dry

Well Constant (gal/ft.) 0.163 Observations Rust Brown turbid to rust

Well Volume (gal.) 3.8 tan tint

SAMPLING INFORMATION

Sample Method Bailer

Date 3/10/22 Time 1030 SWL 40.96

Appearance Tan tint to rust tan turbid

Weather Conditions Sun 30°

Sampling Technician (Print) Kyle Lee / QK Signature

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit	5.99	5.99
Myron 6p	Conductivity	µmhos/cm	141	141
Myron 6p	Temperature	Degrees Celsius	8.9	8.9
Myron 6p	Redox	millivolts	96	
Lamotte	Turbidity	NTU	8.1	

Calibration Date/Time 3/10/22 0700

OBSERVATIONS

Sampling procedures were performed in accordance with all applicable protocols.

FIELD MONITORING REPORT

PROJECT Coleville 5th Quarter LAB ID Full List 51

SAMPLE POINT ID GMMW-7

PURGE INFORMATION

Well Depth (ft.) 71.96 Purge Date 3/9/22 Purge Method Elec. Pump

SWL (ft.) 47.63 Start Time 1124 Stop Time 1127

Standing Water (ft.) 24.33 Volume Purged gal. 4.0 # casings 1 to dry

Well Constant (gal/ft.) 0.163 Observations Slight brown tint

Well Volume (gal.) 4.0

SAMPLING INFORMATION

Sample Method Bailer

Date 3/10/22 Time 1030 SWL 49.99

Appearance Clear

Weather Conditions Sun 30°

Sampling Technician (Print) Kyle Lee / QK Signature

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit	6.19	6.19
Myron 6p	Conductivity	µmhos/cm	354	354
Myron 6p	Temperature	Degrees Celsius	9.0	9.0
Myron 6p	Redox	millivolts	119	
Lamotte	Turbidity	NTU	2.8	

Calibration Date/Time 3/10/22 0700

OBSERVATIONS

Sampling procedures were performed in accordance with all applicable protocols.

FIELD MONITORING REPORT

PROJECT Colesville 5th Quarter LAB ID ~~Full List~~ 62
VOA only 3/9

SAMPLE POINT ID W-175

PURGE INFORMATION

Well Depth (ft.) 21.96 Purge Date 3/9/22 Purge Method Bailer

SWL (ft.) 8.66 Start Time 1327 Stop Time 1334

Standing Water (ft.) 13.30 Volume Purged gal. 6.6 # casings 3

Well Constant (gal/ft.) 0.163 Observations Tan tint to turbid

Well Volume (gal.) 2.2 rust tan

SAMPLING INFORMATION

Sample Method Bailer

Date 3/10/22 Time 1050 SWL 8.66

Appearance Tan tint

Weather Conditions Sun 35°

Sampling Technician (Print) Kyle Lee / QK Signature

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit	6.39	6.39
Myron 6p	Conductivity	µmhos/cm	98	98
Myron 6p	Temperature	Degrees Celsius	4.7	4.7
Myron 6p	Redox	millivolts	119	—
Lamotte	Turbidity	NTU	8.6	—

Calibration Date/Time 3/10/22 0700

OBSERVATIONS

Sampling procedures were performed in accordance with all applicable protocols.

FIELD MONITORING REPORT

PROJECT Colesville 5th Quarter **LAB ID** VOA only

SAMPLE POINT ID W-20S

PURGE INFORMATION

Well Depth (ft.) 21.78 Purge Date 3/9/22 Purge Method Bailer

SWL (ft.) 7.16 ~~7.60~~ KL 3/9 Start Time 1345 Stop Time 1347

Standing Water (ft.) 14.62 Volume Purged gal. 3.0 # casings 1.3 to dry

Well Constant (gal/ft.) 0.163 Observations Black tint w/ Specks

Well Volume (gal.) 2.4 to turbid brown

SAMPLING INFORMATION

Sample Method Bailer

Date 3/10/22 Time 1100 SWL 7.16

Appearance Black Slightly turbid

Weather Conditions Sun 35°

Sampling Technician (Print) Kyle Lee / GK Signature

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit	6.09	6.09
Myron 6p	Conductivity	µmhos/cm	143	143
Myron 6p	Temperature	Degrees Celsius	5.5	5.5
Myron 6p	Redox	millivolts	145	~~144~~
Lamotte	Turbidity	NTU	24.9	—

Calibration Date/Time 3/10/22 0700

OBSERVATIONS

Sampling procedures were performed in accordance with all applicable protocols.

FIELD MONITORING REPORT

PROJECT Colesville 5th Quarter LAB ID Full List

SAMPLE POINT ID ~~GMMW-2~~ GMMW-5
vl 3/10

PURGE INFORMATION

Well Depth (ft.) 70.21 Purge Date 3/9/22 Purge Method ~~Bailer~~ Elec. Pump

SWL (ft.) 47.02 Start Time 1315 Stop Time 1319

Standing Water (ft.) 23.19 Volume Purged gal. 3.8 # casings 1 to dry

Well Constant (gal/ft.) 0.163 Observations Black tint to black turbid

Well Volume (gal.) 3.8

SAMPLING INFORMATION

Sample Method Bailer

Date 3/10/22 Time 1055 SWL 50.87

Appearance Black tint w/ Specks

Weather Conditions Sun 35°

Sampling Technician (Print) Kyle Lee / QK Signature

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit	6.42	6.42
Myron 6p	Conductivity	µmhos/cm	601	601
Myron 6p	Temperature	Degrees Celsius	9.3	9.3
Myron 6p	Redox	millivolts	-45	
Lamotte	Turbidity	NTU	12.3	

Calibration Date/Time 3 / 10 / 22 0700

OBSERVATIONS

Sampling procedures were performed in accordance with all applicable protocols.

FIELD MONITORING REPORT

PROJECT Colesville 5th Quarter **LAB ID** 100

SAMPLE POINT ID Equipment Blank

PURGE INFORMATION

Well Depth (ft.) _____ Purge Date _____ Purge Method _____

SWL (ft.) _____ Start Time _____ Stop Time _____

Standing Water (ft.) _____ Volume Purged gal. _____ # casings _____

Well Constant (gal/ft.) _____ Observations _____

Well Volume (gal.) _____

SAMPLING INFORMATION

Sample Method Bailer RinSeate

Date 3/10/22 Time 1140 SWL —

Appearance Clear

Weather Conditions Sun 40°

Sampling Technician (Print) Kyle Lee / QK Signature _____

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit	6.56	6.56
Myron 6p	Conductivity	µmhos/cm	18	18
Myron 6p	Temperature	Degrees Celsius	11.0	11.0
Myron 6p	Redox	millivolts	74	
Lamotte	Turbidity	NTU	0.2	

Calibration Date/Time 3/10/22 0700

OBSERVATIONS _____

Sampling procedures were performed in accordance with all applicable protocols.

R2202163 5
Broome County Division of Solid Waste Management
Colesville 5th Quarter

Cooler Receipt and Preservation Check Form

Project/Client Colesville Folder Number

Cooler received on 3/10/22 by: MM

COURIER: (ALS) UPS FEDEX VELOCITY CLIENT

1	Were **Custody seals** on outside of cooler?	Y (N)	5a	**Perchlorate** samples have required headspace?	Y N (NA)
2	**Custody papers** properly completed (ink, signed)?	(Y) N	5b	Did VOA vials, Alk, or Sulfide have sig* **bubbles**?	(Y) N NA
3	Did all bottles arrive in good **condition** (unbroken)?	(Y) N	6	Where did the bottles originate?	(ALS/ROC) CLIENT
4	Circle: ~~Wet Ice~~ **Dry Ice Gel packs** present?	(Y) N	7	Soil VOA received as: Bulk Encore 5035set	(NA)

8. Temperature Readings Date: 3/10/22 Time: 17:30 ID: IR#7 (IR#11) From: (Temp Blank) ~~Sample Bottle~~

Observed Temp (°C)	1.5	2.8	3.7	1.8	5.4		
Within 0-6°C?	(Y) N	(Y) N	(Y) N	(Y) N	(Y) N	Y N	Y N
If <0°C, were samples frozen?	Y N	Y N	Y N	Y N	Y N	Y N	Y N

If out of Temperature, note packing/ice condition: _____ Ice melted Poorly Packed (described below) Same Day Rule

&Client Approval to Run Samples: _____ Standing Approval Client aware at drop-off Client notified by: _____

All samples held in storage location: R1002 by MM on 3/10/22 at 17:50
5035 samples placed in storage location: _____ by _____ on _____ at _____ within 48 hours of sampling? Y N

Cooler Breakdown/Preservation Check**: Date: 3/11/22 Time: 1330 by: (A)

9. Were all bottle labels complete (*i.e.* analysis, preservation, etc.)? (YES) NO
10. Did all bottle labels and tags agree with custody papers? (YES) NO
11. Were correct containers used for the tests indicated? (YES) NO
12. Were 5035 vials acceptable (no extra labels, not leaking)? YES NO (N/A)
13. Air Samples: Cassettes / Tubes Intact Y / N with MS Y / N Canisters Pressurized Tedlar® Bags Inflated (N/A)

pH	Lot of test paper	Reagent	Preserved? Yes	Preserved? No	Lot Received	Exp	Sample ID Adjusted	Vol. Added	Lot Added	Final pH
≥12		NaOH								
≤2	205320	HNO_3	✓		1121081					
≤2	↓	H_2SO_4	✓		2401059					
<4		$NaHSO_4$								
5-9		For 608pest			No=Notify for 3day					
Residual Chlorine (-)		For CN, Phenol, 625, 608pest, 522			If +, contact PM to add $Na_2S_2O_3$ (625, 608, CN), ascorbic (phenol).					
		$Na_2S_2O_3$								
		ZnAcetate	-	-			**VOAs and 1664 Not to be tested before analysis. Otherwise, all bottles of all samples with chemical preservatives are checked (not just representatives).			
		HCl	**	**						

Bottle lot numbers: ~~258~~ 2621, 21-12-14, 1-027-008

Explain all Discrepancies/ Other Comments:

* Trip blank 1 vial, trip blank 1 vial, Colesville 064 1 vial, trip blank 1 vial, Colesville res 034 alk, trip blank 1 vial, Colesville res 034 1 vial sig headspace.

HPROD	BULK
HTR	FLDT
SUB	HGFB
(ALS)	LL3541

Labels secondary reviewed by: A

PC Secondary Review: _____

*significant air bubbles: VOA > 5-6 mm : WC >1 in. diameter

Miscellaneous Forms

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

REPORT QUALIFIERS AND DEFINITIONS

U	Analyte was analyzed for but not detected. The sample quantitation limit has been corrected for dilution and for percent moisture, unless otherwise noted in the case narrative.
J	Estimated value due to either being a Tentatively Identified Compound (TIC) or that the concentration is between the MRL and the MDL. Concentrations are not verified within the linear range of the calibration. For DoD: concentration >40% difference between two GC columns (pesticides/Arclors).
B	Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.
E	Inorganics- Concentration is estimated due to the serial dilution was outside control limits.
E	Organics- Concentration has exceeded the calibration range for that specific analysis.
D	Concentration is a result of a dilution, typically a secondary analysis of the sample due to exceeding the calibration range or that a surrogate has been diluted out of the sample and cannot be assessed.
*	Indicates that a quality control parameter has exceeded laboratory limits. Under the "Notes" column of the Form I, this qualifier denotes analysis was performed out of Holding Time.
H	Analysis was performed out of hold time for tests that have an "immediate" hold time criteria.
#	Spike was diluted out.
+	Correlation coefficient for MSA is <0.995.
N	Inorganics- Matrix spike recovery was outside laboratory limits.
N	Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.
S	Concentration has been determined using Method of Standard Additions (MSA).
W	Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.
P	Concentration >40% difference between the two GC columns.
C	Confirmed by GC/MS
Q	DoD reports: indicates a pesticide/Aroclor is not confirmed (≥100% Difference between two GC columns).
X	See Case Narrative for discussion.
MRL LOQ	Method Reporting Limit. Also known as: Limit of Quantitation (LOQ) The lowest concentration at which the method analyte may be reliably quantified under the method conditions.
MDL	Method Detection Limit. A statistical value derived from a study designed to provide the lowest concentration that will be detected 99% of the time. Values between the MDL and MRL are estimated (see J qualifier).
LOD	Limit of Detection. A value at or above the MDL which has been verified to be detectable.
ND	Non-Detect. Analyte was not detected at the concentration listed. Same as U qualifier.

Rochester Lab ID # for State Accreditations[1]

NELAP States
Florida ID # E87674
New Hampshire ID # 2941
New York ID # 10145
Pennsylvania ID# 68-786
Virginia #460167

Non-NELAP States
Connecticut ID #PH0556
Delaware Approved
Maine ID #NY01587
North Carolina #36701
North Carolina #676
Rhode Island LAO00333

[1] Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state or agency requirements. The test results meet requirements of the current NELAP/TNI standards or state or agency requirements, where applicable, except as noted in the case narrative. Since not all analyte/method/matrix combinations are offered for state/NELAC accreditation, this report may contain results which are not accredited. For a specific list of accredited analytes, contact the laboratory or go to https://www.alsglobal.com/locations/americas/north-america/usa/new-york/rochester-environmental

ALS Laboratory Group

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

Client: Broome County Division of Solid Waste Management **Service Request:** R2202163
Project: Colesville 5th Quarter

Non-Certified Analytes

Certifying Agency: New York Department of Health

Method	Matrix	Analyte
120.1	Drinking Water	Conductivity, Field
180.1	Drinking Water	Turbidity, Field
300.0	Drinking Water	Nitrate as Nitrogen
300.0	Drinking Water	Nitrite as Nitrogen
6010C	Drinking Water	Iron, Dissolved
6010C	Drinking Water	Iron, Total
8260C	Drinking Water	1,1,1-Trichloroethane (TCA)
8260C	Drinking Water	1,1,2,2-Tetrachloroethane
8260C	Drinking Water	1,1,2-Trichloro-1,2,2-trifluoroethane
8260C	Drinking Water	1,1,2-Trichloroethane
8260C	Drinking Water	1,1-Dichloroethane (1,1-DCA)
8260C	Drinking Water	1,1-Dichloroethene (1,1-DCE)
8260C	Drinking Water	1,2,4-Trichlorobenzene
8260C	Drinking Water	1,2-Dibromo-3-chloropropane (DBCP)
8260C	Drinking Water	1,2-Dibromoethane
8260C	Drinking Water	1,2-Dichlorobenzene
8260C	Drinking Water	1,2-Dichloroethane
8260C	Drinking Water	1,2-Dichloropropane
8260C	Drinking Water	1,3-Dichlorobenzene
8260C	Drinking Water	1,4-Dichlorobenzene
8260C	Drinking Water	2-Butanone (MEK)
8260C	Drinking Water	2-Hexanone
8260C	Drinking Water	4-Methyl-2-pentanone
8260C	Drinking Water	Acetone
8260C	Drinking Water	Benzene
8260C	Drinking Water	Bromodichloromethane
8260C	Drinking Water	Bromoform
8260C	Drinking Water	Bromomethane
8260C	Drinking Water	Carbon Disulfide
8260C	Drinking Water	Carbon Tetrachloride
8260C	Drinking Water	Chlorobenzene
8260C	Drinking Water	Chloroethane
8260C	Drinking Water	Chloroform
8260C	Drinking Water	Chloromethane
8260C	Drinking Water	Cyclohexane
8260C	Drinking Water	Dibromochloromethane
8260C	Drinking Water	Dichlorodifluoromethane (CFC 12)
8260C	Drinking Water	Dichloromethane
8260C	Drinking Water	Ethylbenzene
8260C	Drinking Water	Isopropylbenzene (Cumene)
8260C	Drinking Water	Methyl Acetate
8260C	Drinking Water	Methyl tert-Butyl Ether
8260C	Drinking Water	Methylcyclohexane
8260C	Drinking Water	Styrene
8260C	Drinking Water	Tetrachloroethene (PCE)
8260C	Drinking Water	Toluene
8260C	Drinking Water	Trichloroethene (TCE)

Client: Broome County Division of Solid Waste Management **Service Request:** R2202163
Project: Colesville 5th Quarter

Non-Certified Analytes

Certifying Agency: New York Department of Health

Method	Matrix	Analyte
8260C	Drinking Water	Trichlorofluoromethane (CFC 11)
8260C	Drinking Water	Vinyl Chloride
8260C	Drinking Water	Xylenes, Total
8260C	Drinking Water	cis-1,2-Dichloroethene
8260C	Drinking Water	cis-1,3-Dichloropropene
8260C	Drinking Water	trans-1,2-Dichloroethene
8260C	Drinking Water	trans-1,3-Dichloropropene
ASTM D1498-00	Drinking Water	Oxidation-Reduction Potential (ORP), Field
SM 2550 B	Drinking Water	Temperature, Field
SM 4500-H+ B	Drinking Water	pH, Field

Client: Broome County Division of Solid Waste Management **Service Request:** R2202163
Project: Colesville 5th Quarter/

Sample Name: W-18 **Date Collected:** 03/10/22
Lab Code: R2202163-001 **Date Received:** 03/11/22
Sample Matrix: Drinking Water

Analysis Method	Extracted/Digested By	Analyzed By
120.1		JJANSON
180.1		JJANSON
300.0		SMORGAN
6010C	BDIAMOND	KMCLAEN
8260C		KRUEST
ASTM D1498-00		JJANSON
RSK 175		FNAEGLER
SM 2550 B		JJANSON
SM 4500-H+ B		JJANSON
SM 5310 C-2000(2011)		SMORGAN

Sample Name: W-18 Diss **Date Collected:** 03/10/22
Lab Code: R2202163-002 **Date Received:** 03/11/22
Sample Matrix: Drinking Water

Analysis Method	Extracted/Digested By	Analyzed By
6010C	BDIAMOND	KMCLAEN

Sample Name: PW-5 **Date Collected:** 03/10/22
Lab Code: R2202163-003 **Date Received:** 03/11/22
Sample Matrix: Drinking Water

Analysis Method	Extracted/Digested By	Analyzed By
120.1		JJANSON
180.1		JJANSON
8260C		KRUEST
ASTM D1498-00		JJANSON
SM 2550 B		JJANSON
SM 4500-H+ B		JJANSON

Client: Broome County Division of Solid Waste Management **Service Request:** R2202163
Project: Colesville 5th Quarter/

Sample Name: GMPW-4 **Date Collected:** 03/10/22
Lab Code: R2202163-005 **Date Received:** 03/11/22
Sample Matrix: Drinking Water

Analysis Method	Extracted/Digested By	Analyzed By
120.1		JJANSON
180.1		JJANSON
300.0		SMORGAN
6010C	BDIAMOND	KMCLAEN
8260C		KRUEST
ASTM D1498-00		JJANSON
RSK 175		FNAEGLER
SM 2550 B		JJANSON
SM 4500-H+ B		JJANSON
SM 5310 C-2000(2011)		SMORGAN

Sample Name: GMPW-4 **Date Collected:** 03/10/22
Lab Code: R2202163-005.R01 **Date Received:** 03/11/22
Sample Matrix: Drinking Water

Analysis Method	Extracted/Digested By	Analyzed By
RSK 175		FNAEGLER

Sample Name: GMPW-4 Diss **Date Collected:** 03/10/22
Lab Code: R2202163-006 **Date Received:** 03/11/22
Sample Matrix: Drinking Water

Analysis Method	Extracted/Digested By	Analyzed By
6010C	BDIAMOND	KMCLAEN

Sample Name: PW-4 **Date Collected:** 03/10/22
Lab Code: R2202163-007 **Date Received:** 03/11/22
Sample Matrix: Drinking Water

Analysis Method	Extracted/Digested By	Analyzed By
120.1		JJANSON

Client: Broome County Division of Solid Waste Management **Service Request:** R2202163
Project: Colesville 5th Quarter/

Sample Name: PW-4 **Date Collected:** 03/10/22
Lab Code: R2202163-007 **Date Received:** 03/11/22
Sample Matrix: Drinking Water

Analysis Method	Extracted/Digested By	Analyzed By
180.1		JJANSON
300.0		SMORGAN
6010C	BDIAMOND	KMCLAEN
8260C		KRUEST
ASTM D1498-00		JJANSON
RSK 175		FNAEGLER
SM 2550 B		JJANSON
SM 4500-H+ B		JJANSON
SM 5310 C-2000(2011)		SMORGAN

Sample Name: GMMW-6 **Date Collected:** 03/10/22
Lab Code: R2202163-009 **Date Received:** 03/11/22
Sample Matrix: Drinking Water

Analysis Method	Extracted/Digested By	Analyzed By
120.1		JJANSON
180.1		JJANSON
300.0		SMORGAN
6010C	BDIAMOND	KMCLAEN
8260C		KRUEST
ASTM D1498-00		JJANSON
RSK 175		FNAEGLER
SM 2550 B		JJANSON
SM 4500-H+ B		JJANSON
SM 5310 C-2000(2011)		SMORGAN

Sample Name: GMMW-6 **Date Collected:** 03/10/22
Lab Code: R2202163-009.R01 **Date Received:** 03/11/22
Sample Matrix: Drinking Water

Analysis Method	Extracted/Digested By	Analyzed By
RSK 175		FNAEGLER

Client: Broome County Division of Solid Waste Management **Service Request:** R2202163
Project: Colesville 5th Quarter/

Sample Name: GMMW-6 Diss **Date Collected:** 03/10/22
Lab Code: R2202163-010 **Date Received:** 03/11/22
Sample Matrix: Drinking Water

Analysis Method	Extracted/Digested By	Analyzed By
6010C	BDIAMOND	KMCLAEN

Sample Name: GMMW-2 **Date Collected:** 03/10/22
Lab Code: R2202163-011 **Date Received:** 03/11/22
Sample Matrix: Drinking Water

Analysis Method	Extracted/Digested By	Analyzed By
120.1		JJANSON
180.1		JJANSON
300.0		SMORGAN
6010C	BDIAMOND	KMCLAEN
8260C		KRUEST
ASTM D1498-00		JJANSON
RSK 175		FNAEGLER
SM 2550 B		JJANSON
SM 4500-H+ B		JJANSON
SM 5310 C-2000(2011)		SMORGAN

Sample Name: GMMW-2 **Date Collected:** 03/10/22
Lab Code: R2202163-011.R01 **Date Received:** 03/11/22
Sample Matrix: Drinking Water

Analysis Method	Extracted/Digested By	Analyzed By
RSK 175		FNAEGLER

Sample Name: GMMW-2 Diss **Date Collected:** 03/10/22
Lab Code: R2202163-012 **Date Received:** 03/11/22
Sample Matrix: Drinking Water

Analysis Method	Extracted/Digested By	Analyzed By
6010C	BDIAMOND	KMCLAEN

Client: Broome County Division of Solid Waste Management **Service Request:** R2202163
Project: Colesville 5th Quarter/

Sample Name: GMMW-2 Dup **Date Collected:** 03/10/22
Lab Code: R2202163-013 **Date Received:** 03/11/22
Sample Matrix: Drinking Water

Analysis Method	Extracted/Digested By	Analyzed By
120.1		JJANSON
180.1		JJANSON
300.0		SMORGAN
6010C	BDIAMOND	KMCLAEN
8260C		KRUEST
ASTM D1498-00		JJANSON
RSK 175		FNAEGLER
SM 2550 B		JJANSON
SM 4500-H+ B		JJANSON
SM 5310 C-2000(2011)		SMORGAN

Sample Name: GMMW-2 Dup **Date Collected:** 03/10/22
Lab Code: R2202163-013.R01 **Date Received:** 03/11/22
Sample Matrix: Drinking Water

Analysis Method	Extracted/Digested By	Analyzed By
RSK 175		FNAEGLER

Sample Name: GMMW-2 Dup Diss **Date Collected:** 03/10/22
Lab Code: R2202163-014 **Date Received:** 03/11/22
Sample Matrix: Drinking Water

Analysis Method	Extracted/Digested By	Analyzed By
6010C	BDIAMOND	KMCLAEN

Sample Name: Trip Blank 1 **Date Collected:** 03/10/22
Lab Code: R2202163-015 **Date Received:** 03/11/22
Sample Matrix: Drinking Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter/		

Sample Name:	Trip Blank 2	**Date Collected:**	03/10/22
Lab Code:	R2202163-016	**Date Received:**	03/11/22
Sample Matrix:	Drinking Water		

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Sample Name:	W-7	**Date Collected:**	03/10/22
Lab Code:	R2202163-017	**Date Received:**	03/11/22
Sample Matrix:	Drinking Water		

Analysis Method	Extracted/Digested By	Analyzed By
120.1		JJANSON
180.1		JJANSON
8260C		KRUEST
ASTM D1498-00		JJANSON
SM 2550 B		JJANSON
SM 4500-H+ B		JJANSON

Sample Name:	PW-3	**Date Collected:**	03/10/22
Lab Code:	R2202163-018	**Date Received:**	03/11/22
Sample Matrix:	Drinking Water		

Analysis Method	Extracted/Digested By	Analyzed By
120.1		JJANSON
180.1		JJANSON
300.0		SMORGAN
6010C	BDIAMOND	KMCLAEN
8260C		KRUEST
ASTM D1498-00		JJANSON
RSK 175		FNAEGLER
SM 2550 B		JJANSON
SM 4500-H+ B		JJANSON
SM 5310 C-2000(2011)		SMORGAN

Client: Broome County Division of Solid Waste Management **Service Request:** R2202163
Project: Colesville 5th Quarter/

Sample Name: PW-3 Diss **Date Collected:** 03/10/22
Lab Code: R2202163-019 **Date Received:** 03/11/22
Sample Matrix: Drinking Water

Analysis Method	Extracted/Digested By	Analyzed By
6010C	BDIAMOND	KMCLAEN

Sample Name: W-16S **Date Collected:** 03/10/22
Lab Code: R2202163-020 **Date Received:** 03/11/22
Sample Matrix: Drinking Water

Analysis Method	Extracted/Digested By	Analyzed By
120.1		JJANSON
180.1		JJANSON
300.0		SMORGAN
6010C	BDIAMOND	KMCLAEN
8260C		KRUEST
ASTM D1498-00		JJANSON
RSK 175		FNAEGLER
SM 2550 B		JJANSON
SM 4500-H+ B		JJANSON
SM 5310 C-2000(2011)		SMORGAN

Sample Name: W-16S **Date Collected:** 03/10/22
Lab Code: R2202163-020.R01 **Date Received:** 03/11/22
Sample Matrix: Drinking Water

Analysis Method	Extracted/Digested By	Analyzed By
RSK 175		FNAEGLER

Sample Name: W-16S Diss **Date Collected:** 03/10/22
Lab Code: R2202163-021 **Date Received:** 03/11/22
Sample Matrix: Drinking Water

Analysis Method	Extracted/Digested By	Analyzed By
6010C	BDIAMOND	KMCLAEN

Client: Broome County Division of Solid Waste Management **Service Request:** R2202163
Project: Colesville 5th Quarter/

Sample Name: PW-7 **Date Collected:** 03/10/22
Lab Code: R2202163-022 **Date Received:** 03/11/22
Sample Matrix: Drinking Water

Analysis Method	Extracted/Digested By	Analyzed By
120.1		JJANSON
180.1		JJANSON
300.0		SMORGAN
6010C	BDIAMOND	KMCLAEN
8260C		KRUEST
ASTM D1498-00		JJANSON
RSK 175		FNAEGLER
SM 2550 B		JJANSON
SM 4500-H+ B		JJANSON
SM 5310 C-2000(2011)		SMORGAN

Sample Name: PW-7 Diss **Date Collected:** 03/10/22
Lab Code: R2202163-023 **Date Received:** 03/11/22
Sample Matrix: Drinking Water

Analysis Method	Extracted/Digested By	Analyzed By
6010C	BDIAMOND	KMCLAEN

Sample Name: GMMW-7 **Date Collected:** 03/10/22
Lab Code: R2202163-024 **Date Received:** 03/11/22
Sample Matrix: Drinking Water

Analysis Method	Extracted/Digested By	Analyzed By
120.1		JJANSON
180.1		JJANSON
300.0		SMORGAN
6010C	BDIAMOND	KMCLAEN
8260C		KRUEST
ASTM D1498-00		JJANSON
RSK 175		FNAEGLER
SM 2550 B		JJANSON
SM 4500-H+ B		JJANSON

Client: Broome County Division of Solid Waste Management **Service Request:** R2202163
Project: Colesville 5th Quarter/

Sample Name: GMMW-7 **Date Collected:** 03/10/22
Lab Code: R2202163-024 **Date Received:** 03/11/22
Sample Matrix: Drinking Water

Analysis Method	Extracted/Digested By	Analyzed By
SM 5310 C-2000(2011)		SMORGAN

Sample Name: GMMW-7 **Date Collected:** 03/10/22
Lab Code: R2202163-024.R01 **Date Received:** 03/11/22
Sample Matrix: Drinking Water

Analysis Method	Extracted/Digested By	Analyzed By
RSK 175		FNAEGLER

Sample Name: GMMW-7 Diss **Date Collected:** 03/10/22
Lab Code: R2202163-025 **Date Received:** 03/11/22
Sample Matrix: Drinking Water

Analysis Method	Extracted/Digested By	Analyzed By
6010C	BDIAMOND	KMCLAEN

Sample Name: W-17S **Date Collected:** 03/10/22
Lab Code: R2202163-026 **Date Received:** 03/11/22
Sample Matrix: Drinking Water

Analysis Method	Extracted/Digested By	Analyzed By
120.1		JJANSON
180.1		JJANSON
8260C		KRUEST
ASTM D1498-00		JJANSON
SM 2550 B		JJANSON
SM 4500-H+ B		JJANSON

Client: Broome County Division of Solid Waste Management **Service Request:** R2202163
Project: Colesville 5th Quarter/

Sample Name: W-20S **Date Collected:** 03/10/22
Lab Code: R2202163-027 **Date Received:** 03/11/22
Sample Matrix: Drinking Water

Analysis Method	Extracted/Digested By	Analyzed By
120.1		JJANSON
180.1		JJANSON
8260C		KRUEST
ASTM D1498-00		JJANSON
SM 2550 B		JJANSON
SM 4500-H+ B		JJANSON

Sample Name: GMMW-5 **Date Collected:** 03/10/22
Lab Code: R2202163-028 **Date Received:** 03/11/22
Sample Matrix: Drinking Water

Analysis Method	Extracted/Digested By	Analyzed By
120.1		JJANSON
180.1		JJANSON
300.0		SMORGAN
6010C	BDIAMOND	KMCLAEN
8260C		KRUEST
ASTM D1498-00		JJANSON
RSK 175		FNAEGLER
SM 2550 B		JJANSON
SM 4500-H+ B		JJANSON
SM 5310 C-2000(2011)		SMORGAN

Sample Name: GMMW-5 **Date Collected:** 03/10/22
Lab Code: R2202163-028.R01 **Date Received:** 03/11/22
Sample Matrix: Drinking Water

Analysis Method	Extracted/Digested By	Analyzed By
RSK 175		FNAEGLER

Client: Broome County Division of Solid Waste Management **Service Request:** R2202163
Project: Colesville 5th Quarter/

Sample Name: GMMW-5 Diss **Date Collected:** 03/10/22
Lab Code: R2202163-029 **Date Received:** 03/11/22
Sample Matrix: Drinking Water

Analysis Method	Extracted/Digested By	Analyzed By
6010C	BDIAMOND	KMCLAEN

Sample Name: Equipment Blank **Date Collected:** 03/10/22
Lab Code: R2202163-030 **Date Received:** 03/11/22
Sample Matrix: Drinking Water

Analysis Method	Extracted/Digested By	Analyzed By
300.0		SMORGAN
6010C	BDIAMOND	KMCLAEN
8260C		KRUEST
RSK 175		FNAEGLER
SM 5310 C-2000(2011)		SMORGAN

Sample Name: Equipment Blank Diss **Date Collected:** 03/10/22
Lab Code: R2202163-031 **Date Received:** 03/11/22
Sample Matrix: Drinking Water

Analysis Method	Extracted/Digested By	Analyzed By
6010C	BDIAMOND	KMCLAEN

Sample Name: PW-4 Diss **Date Collected:** 03/10/22
Lab Code: R2202163-032 **Date Received:** 03/11/22
Sample Matrix: Drinking Water

Analysis Method	Extracted/Digested By	Analyzed By
6010C	BDIAMOND	KMCLAEN

The preparation methods associated with this report are found in these tables unless discussed in the case narrative.

Water/Liquid Matrix

Analytical Method	Preparation Method
200.7	200.2
200.8	200.2
6010C	3005A/3010A
6020A	ILM05.3
9034 Sulfide Acid Soluble	9030B
SM 4500-CN-E Residual Cyanide	SM 4500-CN-G
SM 4500-CN-E WAD Cyanide	SM 4500-CN-I

Solid/Soil/Non-Aqueous Matrix

Analytical Method	Preparation Method
6010C	3050B
6020A	3050B
6010C TCLP (1311) extract	3005A/3010A
6010 SPLP (1312) extract	3005A/3010A
7199	3060A
300.0 Anions/ 350.1/ 353.2/ SM 2320B/ SM 5210B/ 9056A Anions	DI extraction
For analytical methods not listed, the preparation method is the same as the analytical method reference.	

Sample Results

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Volatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 08:05
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	W-18	**Units:**	ug/L
Lab Code:	R2202163-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	03/14/22 16:17	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	03/14/22 16:17	
1,1,2-Trichloroethane	5.0 U	5.0	1	03/14/22 16:17	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0 U	5.0	1	03/14/22 16:17	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	03/14/22 16:17	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	03/14/22 16:17	
1,2,4-Trichlorobenzene	5.0 U	5.0	1	03/14/22 16:17	
1,2-Dibromo-3-chloropropane (DBCP)	5.0 U	5.0	1	03/14/22 16:17	
1,2-Dibromoethane	5.0 U	5.0	1	03/14/22 16:17	
1,2-Dichlorobenzene	5.0 U	5.0	1	03/14/22 16:17	
1,2-Dichloroethane	5.0 U	5.0	1	03/14/22 16:17	
1,2-Dichloropropane	5.0 U	5.0	1	03/14/22 16:17	
1,3-Dichlorobenzene	5.0 U	5.0	1	03/14/22 16:17	
1,4-Dichlorobenzene	5.0 U	5.0	1	03/14/22 16:17	
2-Butanone (MEK)	10 U	10	1	03/14/22 16:17	
2-Hexanone	10 U	10	1	03/14/22 16:17	
4-Methyl-2-pentanone	10 U	10	1	03/14/22 16:17	
Acetone	10 U	10	1	03/14/22 16:17	
Benzene	5.0 U	5.0	1	03/14/22 16:17	
Bromodichloromethane	5.0 U	5.0	1	03/14/22 16:17	
Bromoform	5.0 U	5.0	1	03/14/22 16:17	
Bromomethane	5.0 U	5.0	1	03/14/22 16:17	
Carbon Disulfide	10 U	10	1	03/14/22 16:17	
Carbon Tetrachloride	5.0 U	5.0	1	03/14/22 16:17	
Chlorobenzene	5.0 U	5.0	1	03/14/22 16:17	
Chloroethane	5.0 U	5.0	1	03/14/22 16:17	
Chloroform	5.0 U	5.0	1	03/14/22 16:17	
Chloromethane	5.0 U	5.0	1	03/14/22 16:17	
Cyclohexane	10 U	10	1	03/14/22 16:17	
Dibromochloromethane	5.0 U	5.0	1	03/14/22 16:17	
Dichlorodifluoromethane (CFC 12)	5.0 U	5.0	1	03/14/22 16:17	
Dichloromethane	5.0 U	5.0	1	03/14/22 16:17	
Ethylbenzene	5.0 U	5.0	1	03/14/22 16:17	
Isopropylbenzene (Cumene)	5.0 U	5.0	1	03/14/22 16:17	
Methyl Acetate	10 U	10	1	03/14/22 16:17	
Methyl tert-Butyl Ether	5.0 U	5.0	1	03/14/22 16:17	
Methylcyclohexane	10 U	10	1	03/14/22 16:17	
Styrene	5.0 U	5.0	1	03/14/22 16:17	
Tetrachloroethene (PCE)	5.0 U	5.0	1	03/14/22 16:17	
Toluene	5.0 U	5.0	1	03/14/22 16:17	
Trichloroethene (TCE)	5.0 U	5.0	1	03/14/22 16:17	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	03/14/22 16:17	
Vinyl Chloride	5.0 U	5.0	1	03/14/22 16:17	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 08:05
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	W-18	**Units:**	ug/L
Lab Code:	R2202163-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Xylenes, Total	5.0 U	5.0	1	03/14/22 16:17	
cis-1,2-Dichloroethene	5.0 U	5.0	1	03/14/22 16:17	
cis-1,3-Dichloropropene	5.0 U	5.0	1	03/14/22 16:17	
trans-1,2-Dichloroethene	5.0 U	5.0	1	03/14/22 16:17	
trans-1,3-Dichloropropene	5.0 U	5.0	1	03/14/22 16:17	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	93	85 - 122	03/14/22 16:17	
Dibromofluoromethane	93	80 - 116	03/14/22 16:17	
Toluene-d8	93	87 - 121	03/14/22 16:17	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 08:35
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	PW-5	**Units:**	ug/L
Lab Code:	R2202163-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	03/14/22 16:39	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	03/14/22 16:39	
1,1,2-Trichloroethane	5.0 U	5.0	1	03/14/22 16:39	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0 U	5.0	1	03/14/22 16:39	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	03/14/22 16:39	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	03/14/22 16:39	
1,2,4-Trichlorobenzene	5.0 U	5.0	1	03/14/22 16:39	
1,2-Dibromo-3-chloropropane (DBCP)	5.0 U	5.0	1	03/14/22 16:39	
1,2-Dibromoethane	5.0 U	5.0	1	03/14/22 16:39	
1,2-Dichlorobenzene	5.0 U	5.0	1	03/14/22 16:39	
1,2-Dichloroethane	5.0 U	5.0	1	03/14/22 16:39	
1,2-Dichloropropane	5.0 U	5.0	1	03/14/22 16:39	
1,3-Dichlorobenzene	5.0 U	5.0	1	03/14/22 16:39	
1,4-Dichlorobenzene	5.0 U	5.0	1	03/14/22 16:39	
2-Butanone (MEK)	10 U	10	1	03/14/22 16:39	
2-Hexanone	10 U	10	1	03/14/22 16:39	
4-Methyl-2-pentanone	10 U	10	1	03/14/22 16:39	
Acetone	10 U	10	1	03/14/22 16:39	
Benzene	5.0 U	5.0	1	03/14/22 16:39	
Bromodichloromethane	5.0 U	5.0	1	03/14/22 16:39	
Bromoform	5.0 U	5.0	1	03/14/22 16:39	
Bromomethane	5.0 U	5.0	1	03/14/22 16:39	
Carbon Disulfide	10 U	10	1	03/14/22 16:39	
Carbon Tetrachloride	5.0 U	5.0	1	03/14/22 16:39	
Chlorobenzene	5.0 U	5.0	1	03/14/22 16:39	
Chloroethane	5.0 U	5.0	1	03/14/22 16:39	
Chloroform	5.0 U	5.0	1	03/14/22 16:39	
Chloromethane	5.0 U	5.0	1	03/14/22 16:39	
Cyclohexane	10 U	10	1	03/14/22 16:39	
Dibromochloromethane	5.0 U	5.0	1	03/14/22 16:39	
Dichlorodifluoromethane (CFC 12)	5.0 U	5.0	1	03/14/22 16:39	
Dichloromethane	5.0 U	5.0	1	03/14/22 16:39	
Ethylbenzene	5.0 U	5.0	1	03/14/22 16:39	
Isopropylbenzene (Cumene)	5.0 U	5.0	1	03/14/22 16:39	
Methyl Acetate	10 U	10	1	03/14/22 16:39	
Methyl tert-Butyl Ether	5.0 U	5.0	1	03/14/22 16:39	
Methylcyclohexane	10 U	10	1	03/14/22 16:39	
Styrene	5.0 U	5.0	1	03/14/22 16:39	
Tetrachloroethene (PCE)	5.0 U	5.0	1	03/14/22 16:39	
Toluene	5.0 U	5.0	1	03/14/22 16:39	
Trichloroethene (TCE)	5.0 U	5.0	1	03/14/22 16:39	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	03/14/22 16:39	
Vinyl Chloride	5.0 U	5.0	1	03/14/22 16:39	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 08:35
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	PW-5	**Units:**	ug/L
Lab Code:	R2202163-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Xylenes, Total	5.0 U	5.0	1	03/14/22 16:39	
cis-1,2-Dichloroethene	5.0 U	5.0	1	03/14/22 16:39	
cis-1,3-Dichloropropene	5.0 U	5.0	1	03/14/22 16:39	
trans-1,2-Dichloroethene	5.0 U	5.0	1	03/14/22 16:39	
trans-1,3-Dichloropropene	5.0 U	5.0	1	03/14/22 16:39	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	95	85 - 122	03/14/22 16:39	
Dibromofluoromethane	99	80 - 116	03/14/22 16:39	
Toluene-d8	95	87 - 121	03/14/22 16:39	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 09:00
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	GMPW-4	**Units:**	ug/L
Lab Code:	R2202163-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	03/14/22 17:01	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	03/14/22 17:01	
1,1,2-Trichloroethane	5.0 U	5.0	1	03/14/22 17:01	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0 U	5.0	1	03/14/22 17:01	
1,1-Dichloroethane (1,1-DCA)	**17**	5.0	1	03/14/22 17:01	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	03/14/22 17:01	
1,2,4-Trichlorobenzene	5.0 U	5.0	1	03/14/22 17:01	
1,2-Dibromo-3-chloropropane (DBCP)	5.0 U	5.0	1	03/14/22 17:01	
1,2-Dibromoethane	5.0 U	5.0	1	03/14/22 17:01	
1,2-Dichlorobenzene	5.0 U	5.0	1	03/14/22 17:01	
1,2-Dichloroethane	5.0 U	5.0	1	03/14/22 17:01	
1,2-Dichloropropane	5.0 U	5.0	1	03/14/22 17:01	
1,3-Dichlorobenzene	5.0 U	5.0	1	03/14/22 17:01	
1,4-Dichlorobenzene	5.0 U	5.0	1	03/14/22 17:01	
2-Butanone (MEK)	10 U	10	1	03/14/22 17:01	
2-Hexanone	10 U	10	1	03/14/22 17:01	
4-Methyl-2-pentanone	10 U	10	1	03/14/22 17:01	
Acetone	10 U	10	1	03/14/22 17:01	
Benzene	5.0 U	5.0	1	03/14/22 17:01	
Bromodichloromethane	5.0 U	5.0	1	03/14/22 17:01	
Bromoform	5.0 U	5.0	1	03/14/22 17:01	
Bromomethane	5.0 U	5.0	1	03/14/22 17:01	
Carbon Disulfide	10 U	10	1	03/14/22 17:01	
Carbon Tetrachloride	5.0 U	5.0	1	03/14/22 17:01	
Chlorobenzene	**10**	5.0	1	03/14/22 17:01	
Chloroethane	**11**	5.0	1	03/14/22 17:01	
Chloroform	5.0 U	5.0	1	03/14/22 17:01	
Chloromethane	5.0 U	5.0	1	03/14/22 17:01	
Cyclohexane	10 U	10	1	03/14/22 17:01	
Dibromochloromethane	5.0 U	5.0	1	03/14/22 17:01	
Dichlorodifluoromethane (CFC 12)	5.0 U	5.0	1	03/14/22 17:01	
Dichloromethane	5.0 U	5.0	1	03/14/22 17:01	
Ethylbenzene	5.0 U	5.0	1	03/14/22 17:01	
Isopropylbenzene (Cumene)	5.0 U	5.0	1	03/14/22 17:01	
Methyl Acetate	10 U	10	1	03/14/22 17:01	
Methyl tert-Butyl Ether	5.0 U	5.0	1	03/14/22 17:01	
Methylcyclohexane	10 U	10	1	03/14/22 17:01	
Styrene	5.0 U	5.0	1	03/14/22 17:01	
Tetrachloroethene (PCE)	5.0 U	5.0	1	03/14/22 17:01	
Toluene	5.0 U	5.0	1	03/14/22 17:01	
Trichloroethene (TCE)	**20**	5.0	1	03/14/22 17:01	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	03/14/22 17:01	
Vinyl Chloride	5.0 U	5.0	1	03/14/22 17:01	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 09:00
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	GMPW-4	**Units:**	ug/L
Lab Code:	R2202163-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Xylenes, Total	5.0 U	5.0	1	03/14/22 17:01	
cis-1,2-Dichloroethene	**7.1**	5.0	1	03/14/22 17:01	
cis-1,3-Dichloropropene	5.0 U	5.0	1	03/14/22 17:01	
trans-1,2-Dichloroethene	5.0 U	5.0	1	03/14/22 17:01	
trans-1,3-Dichloropropene	5.0 U	5.0	1	03/14/22 17:01	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	92	85 - 122	03/14/22 17:01	
Dibromofluoromethane	93	80 - 116	03/14/22 17:01	
Toluene-d8	93	87 - 121	03/14/22 17:01	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 09:25
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	PW-4	**Units:**	ug/L
Lab Code:	R2202163-007	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	03/14/22 17:23	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	03/14/22 17:23	
1,1,2-Trichloroethane	5.0 U	5.0	1	03/14/22 17:23	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0 U	5.0	1	03/14/22 17:23	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	03/14/22 17:23	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	03/14/22 17:23	
1,2,4-Trichlorobenzene	5.0 U	5.0	1	03/14/22 17:23	
1,2-Dibromo-3-chloropropane (DBCP)	5.0 U	5.0	1	03/14/22 17:23	
1,2-Dibromoethane	5.0 U	5.0	1	03/14/22 17:23	
1,2-Dichlorobenzene	5.0 U	5.0	1	03/14/22 17:23	
1,2-Dichloroethane	5.0 U	5.0	1	03/14/22 17:23	
1,2-Dichloropropane	5.0 U	5.0	1	03/14/22 17:23	
1,3-Dichlorobenzene	5.0 U	5.0	1	03/14/22 17:23	
1,4-Dichlorobenzene	5.0 U	5.0	1	03/14/22 17:23	
2-Butanone (MEK)	10 U	10	1	03/14/22 17:23	
2-Hexanone	10 U	10	1	03/14/22 17:23	
4-Methyl-2-pentanone	10 U	10	1	03/14/22 17:23	
Acetone	10 U	10	1	03/14/22 17:23	
Benzene	5.0 U	5.0	1	03/14/22 17:23	
Bromodichloromethane	5.0 U	5.0	1	03/14/22 17:23	
Bromoform	5.0 U	5.0	1	03/14/22 17:23	
Bromomethane	5.0 U	5.0	1	03/14/22 17:23	
Carbon Disulfide	10 U	10	1	03/14/22 17:23	
Carbon Tetrachloride	5.0 U	5.0	1	03/14/22 17:23	
Chlorobenzene	5.0 U	5.0	1	03/14/22 17:23	
Chloroethane	5.0 U	5.0	1	03/14/22 17:23	
Chloroform	5.0 U	5.0	1	03/14/22 17:23	
Chloromethane	5.0 U	5.0	1	03/14/22 17:23	
Cyclohexane	10 U	10	1	03/14/22 17:23	
Dibromochloromethane	5.0 U	5.0	1	03/14/22 17:23	
Dichlorodifluoromethane (CFC 12)	5.0 U	5.0	1	03/14/22 17:23	
Dichloromethane	5.0 U	5.0	1	03/14/22 17:23	
Ethylbenzene	5.0 U	5.0	1	03/14/22 17:23	
Isopropylbenzene (Cumene)	5.0 U	5.0	1	03/14/22 17:23	
Methyl Acetate	10 U	10	1	03/14/22 17:23	
Methyl tert-Butyl Ether	5.0 U	5.0	1	03/14/22 17:23	
Methylcyclohexane	10 U	10	1	03/14/22 17:23	
Styrene	5.0 U	5.0	1	03/14/22 17:23	
Tetrachloroethene (PCE)	5.0 U	5.0	1	03/14/22 17:23	
Toluene	5.0 U	5.0	1	03/14/22 17:23	
Trichloroethene (TCE)	5.0 U	5.0	1	03/14/22 17:23	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	03/14/22 17:23	
Vinyl Chloride	5.0 U	5.0	1	03/14/22 17:23	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 09:25
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	PW-4	**Units:**	ug/L
Lab Code:	R2202163-007	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Xylenes, Total	5.0 U	5.0	1	03/14/22 17:23	
cis-1,2-Dichloroethene	5.0 U	5.0	1	03/14/22 17:23	
cis-1,3-Dichloropropene	5.0 U	5.0	1	03/14/22 17:23	
trans-1,2-Dichloroethene	5.0 U	5.0	1	03/14/22 17:23	
trans-1,3-Dichloropropene	5.0 U	5.0	1	03/14/22 17:23	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	90	85 - 122	03/14/22 17:23	
Dibromofluoromethane	95	80 - 116	03/14/22 17:23	
Toluene-d8	94	87 - 121	03/14/22 17:23	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 10:35
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	GMMW-6	**Units:**	ug/L
Lab Code:	R2202163-009	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	03/14/22 17:45	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	03/14/22 17:45	
1,1,2-Trichloroethane	5.0 U	5.0	1	03/14/22 17:45	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0 U	5.0	1	03/14/22 17:45	
1,1-Dichloroethane (1,1-DCA)	**8.0**	5.0	1	03/14/22 17:45	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	03/14/22 17:45	
1,2,4-Trichlorobenzene	5.0 U	5.0	1	03/14/22 17:45	
1,2-Dibromo-3-chloropropane (DBCP)	5.0 U	5.0	1	03/14/22 17:45	
1,2-Dibromoethane	5.0 U	5.0	1	03/14/22 17:45	
1,2-Dichlorobenzene	5.0 U	5.0	1	03/14/22 17:45	
1,2-Dichloroethane	5.0 U	5.0	1	03/14/22 17:45	
1,2-Dichloropropane	5.0 U	5.0	1	03/14/22 17:45	
1,3-Dichlorobenzene	5.0 U	5.0	1	03/14/22 17:45	
1,4-Dichlorobenzene	5.0 U	5.0	1	03/14/22 17:45	
2-Butanone (MEK)	10 U	10	1	03/14/22 17:45	
2-Hexanone	10 U	10	1	03/14/22 17:45	
4-Methyl-2-pentanone	10 U	10	1	03/14/22 17:45	
Acetone	**12**	10	1	03/14/22 17:45	
Benzene	5.0 U	5.0	1	03/14/22 17:45	
Bromodichloromethane	5.0 U	5.0	1	03/14/22 17:45	
Bromoform	5.0 U	5.0	1	03/14/22 17:45	
Bromomethane	5.0 U	5.0	1	03/14/22 17:45	
Carbon Disulfide	10 U	10	1	03/14/22 17:45	
Carbon Tetrachloride	5.0 U	5.0	1	03/14/22 17:45	
Chlorobenzene	**28**	5.0	1	03/14/22 17:45	
Chloroethane	**87**	5.0	1	03/14/22 17:45	
Chloroform	5.0 U	5.0	1	03/14/22 17:45	
Chloromethane	5.0 U	5.0	1	03/14/22 17:45	
Cyclohexane	10 U	10	1	03/14/22 17:45	
Dibromochloromethane	5.0 U	5.0	1	03/14/22 17:45	
Dichlorodifluoromethane (CFC 12)	5.0 U	5.0	1	03/14/22 17:45	
Dichloromethane	5.0 U	5.0	1	03/14/22 17:45	
Ethylbenzene	5.0 U	5.0	1	03/14/22 17:45	
Isopropylbenzene (Cumene)	5.0 U	5.0	1	03/14/22 17:45	
Methyl Acetate	10 U	10	1	03/14/22 17:45	
Methyl tert-Butyl Ether	5.0 U	5.0	1	03/14/22 17:45	
Methylcyclohexane	10 U	10	1	03/14/22 17:45	
Styrene	5.0 U	5.0	1	03/14/22 17:45	
Tetrachloroethene (PCE)	5.0 U	5.0	1	03/14/22 17:45	
Toluene	5.0 U	5.0	1	03/14/22 17:45	
Trichloroethene (TCE)	5.0 U	5.0	1	03/14/22 17:45	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	03/14/22 17:45	
Vinyl Chloride	5.0 U	5.0	1	03/14/22 17:45	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 10:35
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	GMMW-6	**Units:**	ug/L
Lab Code:	R2202163-009	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Xylenes, Total	5.0 U	5.0	1	03/14/22 17:45	
cis-1,2-Dichloroethene	5.0 U	5.0	1	03/14/22 17:45	
cis-1,3-Dichloropropene	5.0 U	5.0	1	03/14/22 17:45	
trans-1,2-Dichloroethene	5.0 U	5.0	1	03/14/22 17:45	
trans-1,3-Dichloropropene	5.0 U	5.0	1	03/14/22 17:45	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	93	85 - 122	03/14/22 17:45	
Dibromofluoromethane	93	80 - 116	03/14/22 17:45	
Toluene-d8	95	87 - 121	03/14/22 17:45	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 13:10
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	GMMW-2	**Units:**	ug/L
Lab Code:	R2202163-011	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	03/14/22 18:06	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	03/14/22 18:06	
1,1,2-Trichloroethane	5.0 U	5.0	1	03/14/22 18:06	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0 U	5.0	1	03/14/22 18:06	
1,1-Dichloroethane (1,1-DCA)	**12**	5.0	1	03/14/22 18:06	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	03/14/22 18:06	
1,2,4-Trichlorobenzene	5.0 U	5.0	1	03/14/22 18:06	
1,2-Dibromo-3-chloropropane (DBCP)	5.0 U	5.0	1	03/14/22 18:06	
1,2-Dibromoethane	5.0 U	5.0	1	03/14/22 18:06	
1,2-Dichlorobenzene	5.0 U	5.0	1	03/14/22 18:06	
1,2-Dichloroethane	5.0 U	5.0	1	03/14/22 18:06	
1,2-Dichloropropane	5.0 U	5.0	1	03/14/22 18:06	
1,3-Dichlorobenzene	5.0 U	5.0	1	03/14/22 18:06	
1,4-Dichlorobenzene	5.0 U	5.0	1	03/14/22 18:06	
2-Butanone (MEK)	10 U	10	1	03/14/22 18:06	
2-Hexanone	10 U	10	1	03/14/22 18:06	
4-Methyl-2-pentanone	10 U	10	1	03/14/22 18:06	
Acetone	10 U	10	1	03/14/22 18:06	
Benzene	5.0 U	5.0	1	03/14/22 18:06	
Bromodichloromethane	5.0 U	5.0	1	03/14/22 18:06	
Bromoform	5.0 U	5.0	1	03/14/22 18:06	
Bromomethane	5.0 U	5.0	1	03/14/22 18:06	
Carbon Disulfide	10 U	10	1	03/14/22 18:06	
Carbon Tetrachloride	5.0 U	5.0	1	03/14/22 18:06	
Chlorobenzene	**16**	5.0	1	03/14/22 18:06	
Chloroethane	5.0 U	5.0	1	03/14/22 18:06	
Chloroform	5.0 U	5.0	1	03/14/22 18:06	
Chloromethane	5.0 U	5.0	1	03/14/22 18:06	
Cyclohexane	10 U	10	1	03/14/22 18:06	
Dibromochloromethane	5.0 U	5.0	1	03/14/22 18:06	
Dichlorodifluoromethane (CFC 12)	5.0 U	5.0	1	03/14/22 18:06	
Dichloromethane	5.0 U	5.0	1	03/14/22 18:06	
Ethylbenzene	5.0 U	5.0	1	03/14/22 18:06	
Isopropylbenzene (Cumene)	5.0 U	5.0	1	03/14/22 18:06	
Methyl Acetate	10 U	10	1	03/14/22 18:06	
Methyl tert-Butyl Ether	5.0 U	5.0	1	03/14/22 18:06	
Methylcyclohexane	10 U	10	1	03/14/22 18:06	
Styrene	5.0 U	5.0	1	03/14/22 18:06	
Tetrachloroethene (PCE)	5.0 U	5.0	1	03/14/22 18:06	
Toluene	5.0 U	5.0	1	03/14/22 18:06	
Trichloroethene (TCE)	**6.4**	5.0	1	03/14/22 18:06	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	03/14/22 18:06	
Vinyl Chloride	5.0 U	5.0	1	03/14/22 18:06	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 13:10
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	GMMW-2	**Units:**	ug/L
Lab Code:	R2202163-011	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Xylenes, Total	5.0 U	5.0	1	03/14/22 18:06	
cis-1,2-Dichloroethene	5.0 U	5.0	1	03/14/22 18:06	
cis-1,3-Dichloropropene	5.0 U	5.0	1	03/14/22 18:06	
trans-1,2-Dichloroethene	5.0 U	5.0	1	03/14/22 18:06	
trans-1,3-Dichloropropene	5.0 U	5.0	1	03/14/22 18:06	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	89	85 - 122	03/14/22 18:06	
Dibromofluoromethane	95	80 - 116	03/14/22 18:06	
Toluene-d8	95	87 - 121	03/14/22 18:06	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 13:10
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	GMMW-2 Dup	**Units:**	ug/L
Lab Code:	R2202163-013	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	03/14/22 18:28	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	03/14/22 18:28	
1,1,2-Trichloroethane	5.0 U	5.0	1	03/14/22 18:28	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0 U	5.0	1	03/14/22 18:28	
1,1-Dichloroethane (1,1-DCA)	**13**	5.0	1	03/14/22 18:28	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	03/14/22 18:28	
1,2,4-Trichlorobenzene	5.0 U	5.0	1	03/14/22 18:28	
1,2-Dibromo-3-chloropropane (DBCP)	5.0 U	5.0	1	03/14/22 18:28	
1,2-Dibromoethane	5.0 U	5.0	1	03/14/22 18:28	
1,2-Dichlorobenzene	5.0 U	5.0	1	03/14/22 18:28	
1,2-Dichloroethane	5.0 U	5.0	1	03/14/22 18:28	
1,2-Dichloropropane	5.0 U	5.0	1	03/14/22 18:28	
1,3-Dichlorobenzene	5.0 U	5.0	1	03/14/22 18:28	
1,4-Dichlorobenzene	5.0 U	5.0	1	03/14/22 18:28	
2-Butanone (MEK)	10 U	10	1	03/14/22 18:28	
2-Hexanone	10 U	10	1	03/14/22 18:28	
4-Methyl-2-pentanone	10 U	10	1	03/14/22 18:28	
Acetone	10 U	10	1	03/14/22 18:28	
Benzene	5.0 U	5.0	1	03/14/22 18:28	
Bromodichloromethane	5.0 U	5.0	1	03/14/22 18:28	
Bromoform	5.0 U	5.0	1	03/14/22 18:28	
Bromomethane	5.0 U	5.0	1	03/14/22 18:28	
Carbon Disulfide	10 U	10	1	03/14/22 18:28	
Carbon Tetrachloride	5.0 U	5.0	1	03/14/22 18:28	
Chlorobenzene	**16**	5.0	1	03/14/22 18:28	
Chloroethane	5.0 U	5.0	1	03/14/22 18:28	
Chloroform	5.0 U	5.0	1	03/14/22 18:28	
Chloromethane	5.0 U	5.0	1	03/14/22 18:28	
Cyclohexane	10 U	10	1	03/14/22 18:28	
Dibromochloromethane	5.0 U	5.0	1	03/14/22 18:28	
Dichlorodifluoromethane (CFC 12)	5.0 U	5.0	1	03/14/22 18:28	
Dichloromethane	5.0 U	5.0	1	03/14/22 18:28	
Ethylbenzene	5.0 U	5.0	1	03/14/22 18:28	
Isopropylbenzene (Cumene)	5.0 U	5.0	1	03/14/22 18:28	
Methyl Acetate	10 U	10	1	03/14/22 18:28	
Methyl tert-Butyl Ether	5.0 U	5.0	1	03/14/22 18:28	
Methylcyclohexane	10 U	10	1	03/14/22 18:28	
Styrene	5.0 U	5.0	1	03/14/22 18:28	
Tetrachloroethene (PCE)	5.0 U	5.0	1	03/14/22 18:28	
Toluene	5.0 U	5.0	1	03/14/22 18:28	
Trichloroethene (TCE)	**7.2**	5.0	1	03/14/22 18:28	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	03/14/22 18:28	
Vinyl Chloride	5.0 U	5.0	1	03/14/22 18:28	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 13:10
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	GMMW-2 Dup	**Units:**	ug/L
Lab Code:	R2202163-013	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Xylenes, Total	5.0 U	5.0	1	03/14/22 18:28	
cis-1,2-Dichloroethene	5.0 U	5.0	1	03/14/22 18:28	
cis-1,3-Dichloropropene	5.0 U	5.0	1	03/14/22 18:28	
trans-1,2-Dichloroethene	5.0 U	5.0	1	03/14/22 18:28	
trans-1,3-Dichloropropene	5.0 U	5.0	1	03/14/22 18:28	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	93	85 - 122	03/14/22 18:28	
Dibromofluoromethane	93	80 - 116	03/14/22 18:28	
Toluene-d8	96	87 - 121	03/14/22 18:28	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 08:05
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	Trip Blank 1	**Units:**	ug/L
Lab Code:	R2202163-015	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	03/14/22 15:11	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	03/14/22 15:11	
1,1,2-Trichloroethane	5.0 U	5.0	1	03/14/22 15:11	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0 U	5.0	1	03/14/22 15:11	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	03/14/22 15:11	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	03/14/22 15:11	
1,2,4-Trichlorobenzene	5.0 U	5.0	1	03/14/22 15:11	
1,2-Dibromo-3-chloropropane (DBCP)	5.0 U	5.0	1	03/14/22 15:11	
1,2-Dibromoethane	5.0 U	5.0	1	03/14/22 15:11	
1,2-Dichlorobenzene	5.0 U	5.0	1	03/14/22 15:11	
1,2-Dichloroethane	5.0 U	5.0	1	03/14/22 15:11	
1,2-Dichloropropane	5.0 U	5.0	1	03/14/22 15:11	
1,3-Dichlorobenzene	5.0 U	5.0	1	03/14/22 15:11	
1,4-Dichlorobenzene	5.0 U	5.0	1	03/14/22 15:11	
2-Butanone (MEK)	10 U	10	1	03/14/22 15:11	
2-Hexanone	10 U	10	1	03/14/22 15:11	
4-Methyl-2-pentanone	10 U	10	1	03/14/22 15:11	
Acetone	10 U	10	1	03/14/22 15:11	
Benzene	5.0 U	5.0	1	03/14/22 15:11	
Bromodichloromethane	5.0 U	5.0	1	03/14/22 15:11	
Bromoform	5.0 U	5.0	1	03/14/22 15:11	
Bromomethane	5.0 U	5.0	1	03/14/22 15:11	
Carbon Disulfide	10 U	10	1	03/14/22 15:11	
Carbon Tetrachloride	5.0 U	5.0	1	03/14/22 15:11	
Chlorobenzene	5.0 U	5.0	1	03/14/22 15:11	
Chloroethane	5.0 U	5.0	1	03/14/22 15:11	
Chloroform	5.0 U	5.0	1	03/14/22 15:11	
Chloromethane	5.0 U	5.0	1	03/14/22 15:11	
Cyclohexane	10 U	10	1	03/14/22 15:11	
Dibromochloromethane	5.0 U	5.0	1	03/14/22 15:11	
Dichlorodifluoromethane (CFC 12)	5.0 U	5.0	1	03/14/22 15:11	
Dichloromethane	5.0 U	5.0	1	03/14/22 15:11	
Ethylbenzene	5.0 U	5.0	1	03/14/22 15:11	
Isopropylbenzene (Cumene)	5.0 U	5.0	1	03/14/22 15:11	
Methyl Acetate	10 U	10	1	03/14/22 15:11	
Methyl tert-Butyl Ether	5.0 U	5.0	1	03/14/22 15:11	
Methylcyclohexane	10 U	10	1	03/14/22 15:11	
Styrene	5.0 U	5.0	1	03/14/22 15:11	
Tetrachloroethene (PCE)	5.0 U	5.0	1	03/14/22 15:11	
Toluene	5.0 U	5.0	1	03/14/22 15:11	
Trichloroethene (TCE)	5.0 U	5.0	1	03/14/22 15:11	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	03/14/22 15:11	
Vinyl Chloride	5.0 U	5.0	1	03/14/22 15:11	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 08:05
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	Trip Blank 1	**Units:**	ug/L
Lab Code:	R2202163-015	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Xylenes, Total	5.0 U	5.0	1	03/14/22 15:11	
cis-1,2-Dichloroethene	5.0 U	5.0	1	03/14/22 15:11	
cis-1,3-Dichloropropene	5.0 U	5.0	1	03/14/22 15:11	
trans-1,2-Dichloroethene	5.0 U	5.0	1	03/14/22 15:11	
trans-1,3-Dichloropropene	5.0 U	5.0	1	03/14/22 15:11	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	85 - 122	03/14/22 15:11	
Dibromofluoromethane	95	80 - 116	03/14/22 15:11	
Toluene-d8	94	87 - 121	03/14/22 15:11	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 07:15
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	Trip Blank 2	**Units:**	ug/L
Lab Code:	R2202163-016	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	03/14/22 15:33	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	03/14/22 15:33	
1,1,2-Trichloroethane	5.0 U	5.0	1	03/14/22 15:33	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0 U	5.0	1	03/14/22 15:33	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	03/14/22 15:33	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	03/14/22 15:33	
1,2,4-Trichlorobenzene	5.0 U	5.0	1	03/14/22 15:33	
1,2-Dibromo-3-chloropropane (DBCP)	5.0 U	5.0	1	03/14/22 15:33	
1,2-Dibromoethane	5.0 U	5.0	1	03/14/22 15:33	
1,2-Dichlorobenzene	5.0 U	5.0	1	03/14/22 15:33	
1,2-Dichloroethane	5.0 U	5.0	1	03/14/22 15:33	
1,2-Dichloropropane	5.0 U	5.0	1	03/14/22 15:33	
1,3-Dichlorobenzene	5.0 U	5.0	1	03/14/22 15:33	
1,4-Dichlorobenzene	5.0 U	5.0	1	03/14/22 15:33	
2-Butanone (MEK)	10 U	10	1	03/14/22 15:33	
2-Hexanone	10 U	10	1	03/14/22 15:33	
4-Methyl-2-pentanone	10 U	10	1	03/14/22 15:33	
Acetone	10 U	10	1	03/14/22 15:33	
Benzene	5.0 U	5.0	1	03/14/22 15:33	
Bromodichloromethane	5.0 U	5.0	1	03/14/22 15:33	
Bromoform	5.0 U	5.0	1	03/14/22 15:33	
Bromomethane	5.0 U	5.0	1	03/14/22 15:33	
Carbon Disulfide	10 U	10	1	03/14/22 15:33	
Carbon Tetrachloride	5.0 U	5.0	1	03/14/22 15:33	
Chlorobenzene	5.0 U	5.0	1	03/14/22 15:33	
Chloroethane	5.0 U	5.0	1	03/14/22 15:33	
Chloroform	5.0 U	5.0	1	03/14/22 15:33	
Chloromethane	5.0 U	5.0	1	03/14/22 15:33	
Cyclohexane	10 U	10	1	03/14/22 15:33	
Dibromochloromethane	5.0 U	5.0	1	03/14/22 15:33	
Dichlorodifluoromethane (CFC 12)	5.0 U	5.0	1	03/14/22 15:33	
Dichloromethane	5.0 U	5.0	1	03/14/22 15:33	
Ethylbenzene	5.0 U	5.0	1	03/14/22 15:33	
Isopropylbenzene (Cumene)	5.0 U	5.0	1	03/14/22 15:33	
Methyl Acetate	10 U	10	1	03/14/22 15:33	
Methyl tert-Butyl Ether	5.0 U	5.0	1	03/14/22 15:33	
Methylcyclohexane	10 U	10	1	03/14/22 15:33	
Styrene	5.0 U	5.0	1	03/14/22 15:33	
Tetrachloroethene (PCE)	5.0 U	5.0	1	03/14/22 15:33	
Toluene	5.0 U	5.0	1	03/14/22 15:33	
Trichloroethene (TCE)	5.0 U	5.0	1	03/14/22 15:33	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	03/14/22 15:33	
Vinyl Chloride	5.0 U	5.0	1	03/14/22 15:33	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 07:15
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	Trip Blank 2	**Units:**	ug/L
Lab Code:	R2202163-016	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Xylenes, Total	5.0 U	5.0	1	03/14/22 15:33	
cis-1,2-Dichloroethene	5.0 U	5.0	1	03/14/22 15:33	
cis-1,3-Dichloropropene	5.0 U	5.0	1	03/14/22 15:33	
trans-1,2-Dichloroethene	5.0 U	5.0	1	03/14/22 15:33	
trans-1,3-Dichloropropene	5.0 U	5.0	1	03/14/22 15:33	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	92	85 - 122	03/14/22 15:33	
Dibromofluoromethane	97	80 - 116	03/14/22 15:33	
Toluene-d8	96	87 - 121	03/14/22 15:33	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 07:15
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	W-7	**Units:**	ug/L
Lab Code:	R2202163-017	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	03/14/22 18:50	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	03/14/22 18:50	
1,1,2-Trichloroethane	5.0 U	5.0	1	03/14/22 18:50	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0 U	5.0	1	03/14/22 18:50	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	03/14/22 18:50	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	03/14/22 18:50	
1,2,4-Trichlorobenzene	5.0 U	5.0	1	03/14/22 18:50	
1,2-Dibromo-3-chloropropane (DBCP)	5.0 U	5.0	1	03/14/22 18:50	
1,2-Dibromoethane	5.0 U	5.0	1	03/14/22 18:50	
1,2-Dichlorobenzene	5.0 U	5.0	1	03/14/22 18:50	
1,2-Dichloroethane	5.0 U	5.0	1	03/14/22 18:50	
1,2-Dichloropropane	5.0 U	5.0	1	03/14/22 18:50	
1,3-Dichlorobenzene	5.0 U	5.0	1	03/14/22 18:50	
1,4-Dichlorobenzene	5.0 U	5.0	1	03/14/22 18:50	
2-Butanone (MEK)	10 U	10	1	03/14/22 18:50	
2-Hexanone	10 U	10	1	03/14/22 18:50	
4-Methyl-2-pentanone	10 U	10	1	03/14/22 18:50	
Acetone	10 U	10	1	03/14/22 18:50	
Benzene	5.0 U	5.0	1	03/14/22 18:50	
Bromodichloromethane	5.0 U	5.0	1	03/14/22 18:50	
Bromoform	5.0 U	5.0	1	03/14/22 18:50	
Bromomethane	5.0 U	5.0	1	03/14/22 18:50	
Carbon Disulfide	10 U	10	1	03/14/22 18:50	
Carbon Tetrachloride	5.0 U	5.0	1	03/14/22 18:50	
Chlorobenzene	5.0 U	5.0	1	03/14/22 18:50	
Chloroethane	5.0 U	5.0	1	03/14/22 18:50	
Chloroform	5.0 U	5.0	1	03/14/22 18:50	
Chloromethane	5.0 U	5.0	1	03/14/22 18:50	
Cyclohexane	10 U	10	1	03/14/22 18:50	
Dibromochloromethane	5.0 U	5.0	1	03/14/22 18:50	
Dichlorodifluoromethane (CFC 12)	5.0 U	5.0	1	03/14/22 18:50	
Dichloromethane	5.0 U	5.0	1	03/14/22 18:50	
Ethylbenzene	5.0 U	5.0	1	03/14/22 18:50	
Isopropylbenzene (Cumene)	5.0 U	5.0	1	03/14/22 18:50	
Methyl Acetate	10 U	10	1	03/14/22 18:50	
Methyl tert-Butyl Ether	5.0 U	5.0	1	03/14/22 18:50	
Methylcyclohexane	10 U	10	1	03/14/22 18:50	
Styrene	5.0 U	5.0	1	03/14/22 18:50	
Tetrachloroethene (PCE)	5.0 U	5.0	1	03/14/22 18:50	
Toluene	5.0 U	5.0	1	03/14/22 18:50	
Trichloroethene (TCE)	5.0 U	5.0	1	03/14/22 18:50	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	03/14/22 18:50	
Vinyl Chloride	5.0 U	5.0	1	03/14/22 18:50	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 07:15
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	W-7	**Units:**	ug/L
Lab Code:	R2202163-017	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Xylenes, Total	5.0 U	5.0	1	03/14/22 18:50	
cis-1,2-Dichloroethene	5.0 U	5.0	1	03/14/22 18:50	
cis-1,3-Dichloropropene	5.0 U	5.0	1	03/14/22 18:50	
trans-1,2-Dichloroethene	5.0 U	5.0	1	03/14/22 18:50	
trans-1,3-Dichloropropene	5.0 U	5.0	1	03/14/22 18:50	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	91	85 - 122	03/14/22 18:50	
Dibromofluoromethane	97	80 - 116	03/14/22 18:50	
Toluene-d8	95	87 - 121	03/14/22 18:50	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 09:50
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	PW-3	**Units:**	ug/L
Lab Code:	R2202163-018	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	03/14/22 15:55	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	03/14/22 15:55	
1,1,2-Trichloroethane	5.0 U	5.0	1	03/14/22 15:55	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0 U	5.0	1	03/14/22 15:55	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	03/14/22 15:55	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	03/14/22 15:55	
1,2,4-Trichlorobenzene	5.0 U	5.0	1	03/14/22 15:55	
1,2-Dibromo-3-chloropropane (DBCP)	5.0 U	5.0	1	03/14/22 15:55	
1,2-Dibromoethane	5.0 U	5.0	1	03/14/22 15:55	
1,2-Dichlorobenzene	5.0 U	5.0	1	03/14/22 15:55	
1,2-Dichloroethane	5.0 U	5.0	1	03/14/22 15:55	
1,2-Dichloropropane	5.0 U	5.0	1	03/14/22 15:55	
1,3-Dichlorobenzene	5.0 U	5.0	1	03/14/22 15:55	
1,4-Dichlorobenzene	5.0 U	5.0	1	03/14/22 15:55	
2-Butanone (MEK)	10 U	10	1	03/14/22 15:55	
2-Hexanone	10 U	10	1	03/14/22 15:55	
4-Methyl-2-pentanone	10 U	10	1	03/14/22 15:55	
Acetone	10 U	10	1	03/14/22 15:55	
Benzene	5.0 U	5.0	1	03/14/22 15:55	
Bromodichloromethane	5.0 U	5.0	1	03/14/22 15:55	
Bromoform	5.0 U	5.0	1	03/14/22 15:55	
Bromomethane	5.0 U	5.0	1	03/14/22 15:55	
Carbon Disulfide	10 U	10	1	03/14/22 15:55	
Carbon Tetrachloride	5.0 U	5.0	1	03/14/22 15:55	
Chlorobenzene	5.0 U	5.0	1	03/14/22 15:55	
Chloroethane	5.0 U	5.0	1	03/14/22 15:55	
Chloroform	5.0 U	5.0	1	03/14/22 15:55	
Chloromethane	5.0 U	5.0	1	03/14/22 15:55	
Cyclohexane	10 U	10	1	03/14/22 15:55	
Dibromochloromethane	5.0 U	5.0	1	03/14/22 15:55	
Dichlorodifluoromethane (CFC 12)	5.0 U	5.0	1	03/14/22 15:55	
Dichloromethane	5.0 U	5.0	1	03/14/22 15:55	
Ethylbenzene	5.0 U	5.0	1	03/14/22 15:55	
Isopropylbenzene (Cumene)	5.0 U	5.0	1	03/14/22 15:55	
Methyl Acetate	10 U	10	1	03/14/22 15:55	
Methyl tert-Butyl Ether	5.0 U	5.0	1	03/14/22 15:55	
Methylcyclohexane	10 U	10	1	03/14/22 15:55	
Styrene	5.0 U	5.0	1	03/14/22 15:55	
Tetrachloroethene (PCE)	5.0 U	5.0	1	03/14/22 15:55	
Toluene	5.0 U	5.0	1	03/14/22 15:55	
Trichloroethene (TCE)	5.0 U	5.0	1	03/14/22 15:55	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	03/14/22 15:55	
Vinyl Chloride	5.0 U	5.0	1	03/14/22 15:55	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 09:50
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	PW-3	**Units:**	ug/L
Lab Code:	R2202163-018	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Xylenes, Total	5.0 U	5.0	1	03/14/22 15:55	
cis-1,2-Dichloroethene	5.0 U	5.0	1	03/14/22 15:55	
cis-1,3-Dichloropropene	5.0 U	5.0	1	03/14/22 15:55	
trans-1,2-Dichloroethene	5.0 U	5.0	1	03/14/22 15:55	
trans-1,3-Dichloropropene	5.0 U	5.0	1	03/14/22 15:55	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	93	85 - 122	03/14/22 15:55	
Dibromofluoromethane	94	80 - 116	03/14/22 15:55	
Toluene-d8	95	87 - 121	03/14/22 15:55	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 09:50
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	W-16S	**Units:**	ug/L
Lab Code:	R2202163-020	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	03/14/22 19:12	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	03/14/22 19:12	
1,1,2-Trichloroethane	5.0 U	5.0	1	03/14/22 19:12	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0 U	5.0	1	03/14/22 19:12	
1,1-Dichloroethane (1,1-DCA)	**8.1**	5.0	1	03/14/22 19:12	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	03/14/22 19:12	
1,2,4-Trichlorobenzene	5.0 U	5.0	1	03/14/22 19:12	
1,2-Dibromo-3-chloropropane (DBCP)	5.0 U	5.0	1	03/14/22 19:12	
1,2-Dibromoethane	5.0 U	5.0	1	03/14/22 19:12	
1,2-Dichlorobenzene	5.0 U	5.0	1	03/14/22 19:12	
1,2-Dichloroethane	5.0 U	5.0	1	03/14/22 19:12	
1,2-Dichloropropane	5.0 U	5.0	1	03/14/22 19:12	
1,3-Dichlorobenzene	5.0 U	5.0	1	03/14/22 19:12	
1,4-Dichlorobenzene	5.0 U	5.0	1	03/14/22 19:12	
2-Butanone (MEK)	10 U	10	1	03/14/22 19:12	
2-Hexanone	10 U	10	1	03/14/22 19:12	
4-Methyl-2-pentanone	10 U	10	1	03/14/22 19:12	
Acetone	10 U	10	1	03/14/22 19:12	
Benzene	5.0 U	5.0	1	03/14/22 19:12	
Bromodichloromethane	5.0 U	5.0	1	03/14/22 19:12	
Bromoform	5.0 U	5.0	1	03/14/22 19:12	
Bromomethane	5.0 U	5.0	1	03/14/22 19:12	
Carbon Disulfide	10 U	10	1	03/14/22 19:12	
Carbon Tetrachloride	5.0 U	5.0	1	03/14/22 19:12	
Chlorobenzene	**18**	5.0	1	03/14/22 19:12	
Chloroethane	5.0 U	5.0	1	03/14/22 19:12	
Chloroform	5.0 U	5.0	1	03/14/22 19:12	
Chloromethane	5.0 U	5.0	1	03/14/22 19:12	
Cyclohexane	10 U	10	1	03/14/22 19:12	
Dibromochloromethane	5.0 U	5.0	1	03/14/22 19:12	
Dichlorodifluoromethane (CFC 12)	5.0 U	5.0	1	03/14/22 19:12	
Dichloromethane	5.0 U	5.0	1	03/14/22 19:12	
Ethylbenzene	5.0 U	5.0	1	03/14/22 19:12	
Isopropylbenzene (Cumene)	5.0 U	5.0	1	03/14/22 19:12	
Methyl Acetate	10 U	10	1	03/14/22 19:12	
Methyl tert-Butyl Ether	5.0 U	5.0	1	03/14/22 19:12	
Methylcyclohexane	10 U	10	1	03/14/22 19:12	
Styrene	5.0 U	5.0	1	03/14/22 19:12	
Tetrachloroethene (PCE)	5.0 U	5.0	1	03/14/22 19:12	
Toluene	5.0 U	5.0	1	03/14/22 19:12	
Trichloroethene (TCE)	5.0 U	5.0	1	03/14/22 19:12	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	03/14/22 19:12	
Vinyl Chloride	5.0 U	5.0	1	03/14/22 19:12	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 09:50
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	W-16S	**Units:**	ug/L
Lab Code:	R2202163-020	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Xylenes, Total	5.0 U	5.0	1	03/14/22 19:12	
cis-1,2-Dichloroethene	5.0 U	5.0	1	03/14/22 19:12	
cis-1,3-Dichloropropene	5.0 U	5.0	1	03/14/22 19:12	
trans-1,2-Dichloroethene	5.0 U	5.0	1	03/14/22 19:12	
trans-1,3-Dichloropropene	5.0 U	5.0	1	03/14/22 19:12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	92	85 - 122	03/14/22 19:12	
Dibromofluoromethane	95	80 - 116	03/14/22 19:12	
Toluene-d8	96	87 - 121	03/14/22 19:12	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 10:30
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	PW-7	**Units:**	ug/L
Lab Code:	R2202163-022	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	03/14/22 19:34	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	03/14/22 19:34	
1,1,2-Trichloroethane	5.0 U	5.0	1	03/14/22 19:34	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0 U	5.0	1	03/14/22 19:34	
1,1-Dichloroethane (1,1-DCA)	**14**	5.0	1	03/14/22 19:34	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	03/14/22 19:34	
1,2,4-Trichlorobenzene	5.0 U	5.0	1	03/14/22 19:34	
1,2-Dibromo-3-chloropropane (DBCP)	5.0 U	5.0	1	03/14/22 19:34	
1,2-Dibromoethane	5.0 U	5.0	1	03/14/22 19:34	
1,2-Dichlorobenzene	5.0 U	5.0	1	03/14/22 19:34	
1,2-Dichloroethane	5.0 U	5.0	1	03/14/22 19:34	
1,2-Dichloropropane	5.0 U	5.0	1	03/14/22 19:34	
1,3-Dichlorobenzene	5.0 U	5.0	1	03/14/22 19:34	
1,4-Dichlorobenzene	5.0 U	5.0	1	03/14/22 19:34	
2-Butanone (MEK)	10 U	10	1	03/14/22 19:34	
2-Hexanone	10 U	10	1	03/14/22 19:34	
4-Methyl-2-pentanone	10 U	10	1	03/14/22 19:34	
Acetone	10 U	10	1	03/14/22 19:34	
Benzene	5.0 U	5.0	1	03/14/22 19:34	
Bromodichloromethane	5.0 U	5.0	1	03/14/22 19:34	
Bromoform	5.0 U	5.0	1	03/14/22 19:34	
Bromomethane	5.0 U	5.0	1	03/14/22 19:34	
Carbon Disulfide	10 U	10	1	03/14/22 19:34	
Carbon Tetrachloride	5.0 U	5.0	1	03/14/22 19:34	
Chlorobenzene	5.0 U	5.0	1	03/14/22 19:34	
Chloroethane	**6.2**	5.0	1	03/14/22 19:34	
Chloroform	5.0 U	5.0	1	03/14/22 19:34	
Chloromethane	5.0 U	5.0	1	03/14/22 19:34	
Cyclohexane	10 U	10	1	03/14/22 19:34	
Dibromochloromethane	5.0 U	5.0	1	03/14/22 19:34	
Dichlorodifluoromethane (CFC 12)	5.0 U	5.0	1	03/14/22 19:34	
Dichloromethane	5.0 U	5.0	1	03/14/22 19:34	
Ethylbenzene	5.0 U	5.0	1	03/14/22 19:34	
Isopropylbenzene (Cumene)	5.0 U	5.0	1	03/14/22 19:34	
Methyl Acetate	10 U	10	1	03/14/22 19:34	
Methyl tert-Butyl Ether	5.0 U	5.0	1	03/14/22 19:34	
Methylcyclohexane	10 U	10	1	03/14/22 19:34	
Styrene	5.0 U	5.0	1	03/14/22 19:34	
Tetrachloroethene (PCE)	5.0 U	5.0	1	03/14/22 19:34	
Toluene	5.0 U	5.0	1	03/14/22 19:34	
Trichloroethene (TCE)	**5.5**	5.0	1	03/14/22 19:34	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	03/14/22 19:34	
Vinyl Chloride	5.0 U	5.0	1	03/14/22 19:34	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 10:30
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	PW-7	**Units:**	ug/L
Lab Code:	R2202163-022	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Xylenes, Total	5.0 U	5.0	1	03/14/22 19:34	
cis-1,2-Dichloroethene	**12**	5.0	1	03/14/22 19:34	
cis-1,3-Dichloropropene	5.0 U	5.0	1	03/14/22 19:34	
trans-1,2-Dichloroethene	5.0 U	5.0	1	03/14/22 19:34	
trans-1,3-Dichloropropene	5.0 U	5.0	1	03/14/22 19:34	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	93	85 - 122	03/14/22 19:34	
Dibromofluoromethane	95	80 - 116	03/14/22 19:34	
Toluene-d8	94	87 - 121	03/14/22 19:34	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 10:30
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	GMMW-7	**Units:**	ug/L
Lab Code:	R2202163-024	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	03/14/22 19:56	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	03/14/22 19:56	
1,1,2-Trichloroethane	5.0 U	5.0	1	03/14/22 19:56	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0 U	5.0	1	03/14/22 19:56	
1,1-Dichloroethane (1,1-DCA)	**33**	5.0	1	03/14/22 19:56	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	03/14/22 19:56	
1,2,4-Trichlorobenzene	5.0 U	5.0	1	03/14/22 19:56	
1,2-Dibromo-3-chloropropane (DBCP)	5.0 U	5.0	1	03/14/22 19:56	
1,2-Dibromoethane	5.0 U	5.0	1	03/14/22 19:56	
1,2-Dichlorobenzene	5.0 U	5.0	1	03/14/22 19:56	
1,2-Dichloroethane	5.0 U	5.0	1	03/14/22 19:56	
1,2-Dichloropropane	5.0 U	5.0	1	03/14/22 19:56	
1,3-Dichlorobenzene	5.0 U	5.0	1	03/14/22 19:56	
1,4-Dichlorobenzene	5.0 U	5.0	1	03/14/22 19:56	
2-Butanone (MEK)	10 U	10	1	03/14/22 19:56	
2-Hexanone	10 U	10	1	03/14/22 19:56	
4-Methyl-2-pentanone	10 U	10	1	03/14/22 19:56	
Acetone	10 U	10	1	03/14/22 19:56	
Benzene	5.0 U	5.0	1	03/14/22 19:56	
Bromodichloromethane	5.0 U	5.0	1	03/14/22 19:56	
Bromoform	5.0 U	5.0	1	03/14/22 19:56	
Bromomethane	5.0 U	5.0	1	03/14/22 19:56	
Carbon Disulfide	10 U	10	1	03/14/22 19:56	
Carbon Tetrachloride	5.0 U	5.0	1	03/14/22 19:56	
Chlorobenzene	**14**	5.0	1	03/14/22 19:56	
Chloroethane	**11**	5.0	1	03/14/22 19:56	
Chloroform	5.0 U	5.0	1	03/14/22 19:56	
Chloromethane	5.0 U	5.0	1	03/14/22 19:56	
Cyclohexane	10 U	10	1	03/14/22 19:56	
Dibromochloromethane	5.0 U	5.0	1	03/14/22 19:56	
Dichlorodifluoromethane (CFC 12)	5.0 U	5.0	1	03/14/22 19:56	
Dichloromethane	5.0 U	5.0	1	03/14/22 19:56	
Ethylbenzene	5.0 U	5.0	1	03/14/22 19:56	
Isopropylbenzene (Cumene)	5.0 U	5.0	1	03/14/22 19:56	
Methyl Acetate	10 U	10	1	03/14/22 19:56	
Methyl tert-Butyl Ether	5.0 U	5.0	1	03/14/22 19:56	
Methylcyclohexane	10 U	10	1	03/14/22 19:56	
Styrene	5.0 U	5.0	1	03/14/22 19:56	
Tetrachloroethene (PCE)	5.0 U	5.0	1	03/14/22 19:56	
Toluene	5.0 U	5.0	1	03/14/22 19:56	
Trichloroethene (TCE)	**12**	5.0	1	03/14/22 19:56	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	03/14/22 19:56	
Vinyl Chloride	**10**	5.0	1	03/14/22 19:56	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 10:30
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	GMMW-7	**Units:**	ug/L
Lab Code:	R2202163-024	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Xylenes, Total	5.0 U	5.0	1	03/14/22 19:56	
cis-1,2-Dichloroethene	**26**	5.0	1	03/14/22 19:56	
cis-1,3-Dichloropropene	5.0 U	5.0	1	03/14/22 19:56	
trans-1,2-Dichloroethene	5.0 U	5.0	1	03/14/22 19:56	
trans-1,3-Dichloropropene	5.0 U	5.0	1	03/14/22 19:56	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	92	85 - 122	03/14/22 19:56	
Dibromofluoromethane	97	80 - 116	03/14/22 19:56	
Toluene-d8	97	87 - 121	03/14/22 19:56	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 10:50
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	W-17S	**Units:**	ug/L
Lab Code:	R2202163-026	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	03/14/22 20:18	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	03/14/22 20:18	
1,1,2-Trichloroethane	5.0 U	5.0	1	03/14/22 20:18	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0 U	5.0	1	03/14/22 20:18	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	03/14/22 20:18	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	03/14/22 20:18	
1,2,4-Trichlorobenzene	5.0 U	5.0	1	03/14/22 20:18	
1,2-Dibromo-3-chloropropane (DBCP)	5.0 U	5.0	1	03/14/22 20:18	
1,2-Dibromoethane	5.0 U	5.0	1	03/14/22 20:18	
1,2-Dichlorobenzene	5.0 U	5.0	1	03/14/22 20:18	
1,2-Dichloroethane	5.0 U	5.0	1	03/14/22 20:18	
1,2-Dichloropropane	5.0 U	5.0	1	03/14/22 20:18	
1,3-Dichlorobenzene	5.0 U	5.0	1	03/14/22 20:18	
1,4-Dichlorobenzene	5.0 U	5.0	1	03/14/22 20:18	
2-Butanone (MEK)	10 U	10	1	03/14/22 20:18	
2-Hexanone	10 U	10	1	03/14/22 20:18	
4-Methyl-2-pentanone	10 U	10	1	03/14/22 20:18	
Acetone	10 U	10	1	03/14/22 20:18	
Benzene	5.0 U	5.0	1	03/14/22 20:18	
Bromodichloromethane	5.0 U	5.0	1	03/14/22 20:18	
Bromoform	5.0 U	5.0	1	03/14/22 20:18	
Bromomethane	5.0 U	5.0	1	03/14/22 20:18	
Carbon Disulfide	10 U	10	1	03/14/22 20:18	
Carbon Tetrachloride	5.0 U	5.0	1	03/14/22 20:18	
Chlorobenzene	5.0 U	5.0	1	03/14/22 20:18	
Chloroethane	5.0 U	5.0	1	03/14/22 20:18	
Chloroform	5.0 U	5.0	1	03/14/22 20:18	
Chloromethane	5.0 U	5.0	1	03/14/22 20:18	
Cyclohexane	10 U	10	1	03/14/22 20:18	
Dibromochloromethane	5.0 U	5.0	1	03/14/22 20:18	
Dichlorodifluoromethane (CFC 12)	5.0 U	5.0	1	03/14/22 20:18	
Dichloromethane	5.0 U	5.0	1	03/14/22 20:18	
Ethylbenzene	5.0 U	5.0	1	03/14/22 20:18	
Isopropylbenzene (Cumene)	5.0 U	5.0	1	03/14/22 20:18	
Methyl Acetate	10 U	10	1	03/14/22 20:18	
Methyl tert-Butyl Ether	5.0 U	5.0	1	03/14/22 20:18	
Methylcyclohexane	10 U	10	1	03/14/22 20:18	
Styrene	5.0 U	5.0	1	03/14/22 20:18	
Tetrachloroethene (PCE)	5.0 U	5.0	1	03/14/22 20:18	
Toluene	5.0 U	5.0	1	03/14/22 20:18	
Trichloroethene (TCE)	5.0 U	5.0	1	03/14/22 20:18	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	03/14/22 20:18	
Vinyl Chloride	5.0 U	5.0	1	03/14/22 20:18	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 10:50
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	W-17S	**Units:**	ug/L
Lab Code:	R2202163-026	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Xylenes, Total	5.0 U	5.0	1	03/14/22 20:18	
cis-1,2-Dichloroethene	5.0 U	5.0	1	03/14/22 20:18	
cis-1,3-Dichloropropene	5.0 U	5.0	1	03/14/22 20:18	
trans-1,2-Dichloroethene	5.0 U	5.0	1	03/14/22 20:18	
trans-1,3-Dichloropropene	5.0 U	5.0	1	03/14/22 20:18	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	91	85 - 122	03/14/22 20:18	
Dibromofluoromethane	100	80 - 116	03/14/22 20:18	
Toluene-d8	96	87 - 121	03/14/22 20:18	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 11:00
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	W-20S	**Units:**	ug/L
Lab Code:	R2202163-027	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	03/14/22 20:40	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	03/14/22 20:40	
1,1,2-Trichloroethane	5.0 U	5.0	1	03/14/22 20:40	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0 U	5.0	1	03/14/22 20:40	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	03/14/22 20:40	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	03/14/22 20:40	
1,2,4-Trichlorobenzene	5.0 U	5.0	1	03/14/22 20:40	
1,2-Dibromo-3-chloropropane (DBCP)	5.0 U	5.0	1	03/14/22 20:40	
1,2-Dibromoethane	5.0 U	5.0	1	03/14/22 20:40	
1,2-Dichlorobenzene	5.0 U	5.0	1	03/14/22 20:40	
1,2-Dichloroethane	5.0 U	5.0	1	03/14/22 20:40	
1,2-Dichloropropane	5.0 U	5.0	1	03/14/22 20:40	
1,3-Dichlorobenzene	5.0 U	5.0	1	03/14/22 20:40	
1,4-Dichlorobenzene	5.0 U	5.0	1	03/14/22 20:40	
2-Butanone (MEK)	10 U	10	1	03/14/22 20:40	
2-Hexanone	10 U	10	1	03/14/22 20:40	
4-Methyl-2-pentanone	10 U	10	1	03/14/22 20:40	
Acetone	10 U	10	1	03/14/22 20:40	
Benzene	5.0 U	5.0	1	03/14/22 20:40	
Bromodichloromethane	5.0 U	5.0	1	03/14/22 20:40	
Bromoform	5.0 U	5.0	1	03/14/22 20:40	
Bromomethane	5.0 U	5.0	1	03/14/22 20:40	
Carbon Disulfide	10 U	10	1	03/14/22 20:40	
Carbon Tetrachloride	5.0 U	5.0	1	03/14/22 20:40	
Chlorobenzene	5.0 U	5.0	1	03/14/22 20:40	
Chloroethane	5.0 U	5.0	1	03/14/22 20:40	
Chloroform	5.0 U	5.0	1	03/14/22 20:40	
Chloromethane	5.0 U	5.0	1	03/14/22 20:40	
Cyclohexane	10 U	10	1	03/14/22 20:40	
Dibromochloromethane	5.0 U	5.0	1	03/14/22 20:40	
Dichlorodifluoromethane (CFC 12)	5.0 U	5.0	1	03/14/22 20:40	
Dichloromethane	5.0 U	5.0	1	03/14/22 20:40	
Ethylbenzene	5.0 U	5.0	1	03/14/22 20:40	
Isopropylbenzene (Cumene)	5.0 U	5.0	1	03/14/22 20:40	
Methyl Acetate	10 U	10	1	03/14/22 20:40	
Methyl tert-Butyl Ether	5.0 U	5.0	1	03/14/22 20:40	
Methylcyclohexane	10 U	10	1	03/14/22 20:40	
Styrene	5.0 U	5.0	1	03/14/22 20:40	
Tetrachloroethene (PCE)	5.0 U	5.0	1	03/14/22 20:40	
Toluene	5.0 U	5.0	1	03/14/22 20:40	
Trichloroethene (TCE)	5.0 U	5.0	1	03/14/22 20:40	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	03/14/22 20:40	
Vinyl Chloride	5.0 U	5.0	1	03/14/22 20:40	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 11:00
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	W-20S	**Units:**	ug/L
Lab Code:	R2202163-027	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Xylenes, Total	5.0 U	5.0	1	03/14/22 20:40	
cis-1,2-Dichloroethene	5.0 U	5.0	1	03/14/22 20:40	
cis-1,3-Dichloropropene	5.0 U	5.0	1	03/14/22 20:40	
trans-1,2-Dichloroethene	5.0 U	5.0	1	03/14/22 20:40	
trans-1,3-Dichloropropene	5.0 U	5.0	1	03/14/22 20:40	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	85 - 122	03/14/22 20:40	
Dibromofluoromethane	95	80 - 116	03/14/22 20:40	
Toluene-d8	95	87 - 121	03/14/22 20:40	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 10:55
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	GMMW-5	**Units:**	ug/L
Lab Code:	R2202163-028	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	03/15/22 05:28	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	03/15/22 05:28	
1,1,2-Trichloroethane	5.0 U	5.0	1	03/15/22 05:28	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0 U	5.0	1	03/15/22 05:28	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	03/15/22 05:28	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	03/15/22 05:28	
1,2,4-Trichlorobenzene	5.0 U	5.0	1	03/15/22 05:28	
1,2-Dibromo-3-chloropropane (DBCP)	5.0 U	5.0	1	03/15/22 05:28	
1,2-Dibromoethane	5.0 U	5.0	1	03/15/22 05:28	
1,2-Dichlorobenzene	5.0 U	5.0	1	03/15/22 05:28	
1,2-Dichloroethane	5.0 U	5.0	1	03/15/22 05:28	
1,2-Dichloropropane	5.0 U	5.0	1	03/15/22 05:28	
1,3-Dichlorobenzene	5.0 U	5.0	1	03/15/22 05:28	
1,4-Dichlorobenzene	5.0 U	5.0	1	03/15/22 05:28	
2-Butanone (MEK)	10 U	10	1	03/15/22 05:28	
2-Hexanone	10 U	10	1	03/15/22 05:28	
4-Methyl-2-pentanone	10 U	10	1	03/15/22 05:28	
Acetone	10 U	10	1	03/15/22 05:28	
Benzene	5.0 U	5.0	1	03/15/22 05:28	
Bromodichloromethane	5.0 U	5.0	1	03/15/22 05:28	
Bromoform	5.0 U	5.0	1	03/15/22 05:28	
Bromomethane	5.0 U	5.0	1	03/15/22 05:28	
Carbon Disulfide	10 U	10	1	03/15/22 05:28	
Carbon Tetrachloride	5.0 U	5.0	1	03/15/22 05:28	
Chlorobenzene	**7.2**	5.0	1	03/15/22 05:28	
Chloroethane	**35**	5.0	1	03/15/22 05:28	
Chloroform	5.0 U	5.0	1	03/15/22 05:28	
Chloromethane	5.0 U	5.0	1	03/15/22 05:28	
Cyclohexane	10 U	10	1	03/15/22 05:28	
Dibromochloromethane	5.0 U	5.0	1	03/15/22 05:28	
Dichlorodifluoromethane (CFC 12)	5.0 U	5.0	1	03/15/22 05:28	
Dichloromethane	5.0 U	5.0	1	03/15/22 05:28	
Ethylbenzene	5.0 U	5.0	1	03/15/22 05:28	
Isopropylbenzene (Cumene)	5.0 U	5.0	1	03/15/22 05:28	
Methyl Acetate	10 U	10	1	03/15/22 05:28	
Methyl tert-Butyl Ether	5.0 U	5.0	1	03/15/22 05:28	
Methylcyclohexane	10 U	10	1	03/15/22 05:28	
Styrene	5.0 U	5.0	1	03/15/22 05:28	
Tetrachloroethene (PCE)	5.0 U	5.0	1	03/15/22 05:28	
Toluene	5.0 U	5.0	1	03/15/22 05:28	
Trichloroethene (TCE)	5.0 U	5.0	1	03/15/22 05:28	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	03/15/22 05:28	
Vinyl Chloride	5.0 U	5.0	1	03/15/22 05:28	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 10:55
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	GMMW-5	**Units:**	ug/L
Lab Code:	R2202163-028	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Xylenes, Total	5.0 U	5.0	1	03/15/22 05:28	
cis-1,2-Dichloroethene	5.0 U	5.0	1	03/15/22 05:28	
cis-1,3-Dichloropropene	5.0 U	5.0	1	03/15/22 05:28	
trans-1,2-Dichloroethene	5.0 U	5.0	1	03/15/22 05:28	
trans-1,3-Dichloropropene	5.0 U	5.0	1	03/15/22 05:28	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	91	85 - 122	03/15/22 05:28	
Dibromofluoromethane	98	80 - 116	03/15/22 05:28	
Toluene-d8	95	87 - 121	03/15/22 05:28	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 11:40
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	Equipment Blank	**Units:**	ug/L
Lab Code:	R2202163-030	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	03/15/22 05:06	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	03/15/22 05:06	
1,1,2-Trichloroethane	5.0 U	5.0	1	03/15/22 05:06	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0 U	5.0	1	03/15/22 05:06	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	03/15/22 05:06	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	03/15/22 05:06	
1,2,4-Trichlorobenzene	5.0 U	5.0	1	03/15/22 05:06	
1,2-Dibromo-3-chloropropane (DBCP)	5.0 U	5.0	1	03/15/22 05:06	
1,2-Dibromoethane	5.0 U	5.0	1	03/15/22 05:06	
1,2-Dichlorobenzene	5.0 U	5.0	1	03/15/22 05:06	
1,2-Dichloroethane	5.0 U	5.0	1	03/15/22 05:06	
1,2-Dichloropropane	5.0 U	5.0	1	03/15/22 05:06	
1,3-Dichlorobenzene	5.0 U	5.0	1	03/15/22 05:06	
1,4-Dichlorobenzene	5.0 U	5.0	1	03/15/22 05:06	
2-Butanone (MEK)	10 U	10	1	03/15/22 05:06	
2-Hexanone	10 U	10	1	03/15/22 05:06	
4-Methyl-2-pentanone	10 U	10	1	03/15/22 05:06	
Acetone	10 U	10	1	03/15/22 05:06	
Benzene	5.0 U	5.0	1	03/15/22 05:06	
Bromodichloromethane	5.0 U	5.0	1	03/15/22 05:06	
Bromoform	5.0 U	5.0	1	03/15/22 05:06	
Bromomethane	5.0 U	5.0	1	03/15/22 05:06	
Carbon Disulfide	10 U	10	1	03/15/22 05:06	
Carbon Tetrachloride	5.0 U	5.0	1	03/15/22 05:06	
Chlorobenzene	5.0 U	5.0	1	03/15/22 05:06	
Chloroethane	5.0 U	5.0	1	03/15/22 05:06	
Chloroform	5.0 U	5.0	1	03/15/22 05:06	
Chloromethane	5.0 U	5.0	1	03/15/22 05:06	
Cyclohexane	10 U	10	1	03/15/22 05:06	
Dibromochloromethane	5.0 U	5.0	1	03/15/22 05:06	
Dichlorodifluoromethane (CFC 12)	5.0 U	5.0	1	03/15/22 05:06	
Dichloromethane	5.0 U	5.0	1	03/15/22 05:06	
Ethylbenzene	5.0 U	5.0	1	03/15/22 05:06	
Isopropylbenzene (Cumene)	5.0 U	5.0	1	03/15/22 05:06	
Methyl Acetate	10 U	10	1	03/15/22 05:06	
Methyl tert-Butyl Ether	5.0 U	5.0	1	03/15/22 05:06	
Methylcyclohexane	10 U	10	1	03/15/22 05:06	
Styrene	5.0 U	5.0	1	03/15/22 05:06	
Tetrachloroethene (PCE)	5.0 U	5.0	1	03/15/22 05:06	
Toluene	5.0 U	5.0	1	03/15/22 05:06	
Trichloroethene (TCE)	5.0 U	5.0	1	03/15/22 05:06	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	03/15/22 05:06	
Vinyl Chloride	5.0 U	5.0	1	03/15/22 05:06	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 11:40
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	Equipment Blank	**Units:**	ug/L
Lab Code:	R2202163-030	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Xylenes, Total	5.0 U	5.0	1	03/15/22 05:06	
cis-1,2-Dichloroethene	5.0 U	5.0	1	03/15/22 05:06	
cis-1,3-Dichloropropene	5.0 U	5.0	1	03/15/22 05:06	
trans-1,2-Dichloroethene	5.0 U	5.0	1	03/15/22 05:06	
trans-1,3-Dichloropropene	5.0 U	5.0	1	03/15/22 05:06	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	91	85 - 122	03/15/22 05:06	
Dibromofluoromethane	94	80 - 116	03/15/22 05:06	
Toluene-d8	94	87 - 121	03/15/22 05:06	

Volatile Organic Compounds by GC

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
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www.alsglobal.com

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 08:05
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	W-18	**Units:**	ug/L
Lab Code:	R2202163-001	**Basis:**	NA

Dissolved Gases by GC/FID

Analysis Method: RSK 175

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Ethane	0.17 U	1.0	0.17	1	03/16/22 09:29	
Ethene	0.35 U	1.0	0.35	1	03/16/22 09:29	
Methane	0.75 U	1.1	0.75	1	03/16/22 09:29	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 09:00
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	GMPW-4	**Units:**	ug/L
Lab Code:	R2202163-005	**Basis:**	NA

Dissolved Gases by GC/FID

Analysis Method: RSK 175

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Ethane	3.3 U	21	3.3	20	03/16/22 09:49	
Ethene	7.0 U	20	7.0	20	03/16/22 09:49	
Methane	**630 D**	21	15	20	03/16/22 09:49	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 09:00
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	GMPW-4	**Units:**	ug/L
Lab Code:	R2202163-005	**Basis:**	NA

Dissolved Gases by GC/FID

Analysis Method: RSK 175

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Ethane	**1.9**	1.0	0.17	1	03/16/22 09:38	
Ethene	0.35 U	1.0	0.35	1	03/16/22 09:38	
Methane	**930 E**	1.1	0.75	1	03/16/22 09:38	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 09:25
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	PW-4	**Units:**	ug/L
Lab Code:	R2202163-007	**Basis:**	NA

Dissolved Gases by GC/FID

Analysis Method: RSK 175

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Ethane	0.17 U	1.0	0.17	1	03/16/22 09:58	
Ethene	0.35 U	1.0	0.35	1	03/16/22 09:58	
Methane	0.75 U	1.1	0.75	1	03/16/22 09:58	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 10:35
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	GMMW-6	**Units:**	ug/L
Lab Code:	R2202163-009	**Basis:**	NA

Dissolved Gases by GC/FID

Analysis Method: RSK 175

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Q
Ethane	33	U	210	33	200	03/16/22 13:12	
Ethene	70	U	200	70	200	03/16/22 13:12	
Methane	**13000**	**D**	210	150	200	03/16/22 13:12	

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Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 10:35
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	GMMW-6	**Units:**	ug/L
Lab Code:	R2202163-009	**Basis:**	NA

Dissolved Gases by GC/FID

Analysis Method: RSK 175

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Ethane	**11**	1.0	0.17	1	03/16/22 10:11	
Ethene	**2.1**	1.0	0.35	1	03/16/22 10:11	
Methane	**1800 E**	1.1	0.75	1	03/16/22 10:11	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 13:10
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	GMMW-2	**Units:**	ug/L
Lab Code:	R2202163-011	**Basis:**	NA

Dissolved Gases by GC/FID

Analysis Method: RSK 175

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Ethane	1.7 U	10	1.7	10	03/16/22 10:42	
Ethene	3.5 U	10	3.5	10	03/16/22 10:42	
Methane	**580 D**	11	7.5	10	03/16/22 10:42	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 13:10
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	GMMW-2	**Units:**	ug/L
Lab Code:	R2202163-011	**Basis:**	NA

Dissolved Gases by GC/FID

Analysis Method: RSK 175

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Ethane	**0.45 J**	1.0	0.17	1	03/16/22 10:32	
Ethene	0.35 U	1.0	0.35	1	03/16/22 10:32	
Methane	**880 E**	1.1	0.75	1	03/16/22 10:32	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 13:10
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	GMMW-2 Dup	**Units:**	ug/L
Lab Code:	R2202163-013	**Basis:**	NA

Dissolved Gases by GC/FID

Analysis Method: RSK 175

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Ethane	3.3 U	21	3.3	20	03/16/22 11:28	
Ethene	7.0 U	20	7.0	20	03/16/22 11:28	
Methane	**550 D**	21	15	20	03/16/22 11:28	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 13:10
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	GMMW-2 Dup	**Units:**	ug/L
Lab Code:	R2202163-013	**Basis:**	NA

Dissolved Gases by GC/FID

Analysis Method: RSK 175

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Ethane	**0.46 J**	1.0	0.17	1	03/16/22 11:17	
Ethene	0.35 U	1.0	0.35	1	03/16/22 11:17	
Methane	**890 E**	1.1	0.75	1	03/16/22 11:17	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 09:50
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	PW-3	**Units:**	ug/L
Lab Code:	R2202163-018	**Basis:**	NA

Dissolved Gases by GC/FID

Analysis Method: RSK 175

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Ethane	0.17 U	1.0	0.17	1	03/16/22 11:47	
Ethene	0.35 U	1.0	0.35	1	03/16/22 11:47	
Methane	0.75 U	1.1	0.75	1	03/16/22 11:47	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 09:50
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	W-16S	**Units:**	ug/L
Lab Code:	R2202163-020	**Basis:**	NA

Dissolved Gases by GC/FID

Analysis Method: RSK 175

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Ethane	1.7 U	10	1.7	10	03/16/22 12:08	
Ethene	3.5 U	10	3.5	10	03/16/22 12:08	
Methane	**510 D**	11	7.5	10	03/16/22 12:08	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 09:50
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	W-16S	**Units:**	ug/L
Lab Code:	R2202163-020	**Basis:**	NA

Dissolved Gases by GC/FID

Analysis Method: RSK 175

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Ethane	0.17 U	1.0	0.17	1	03/16/22 11:58	
Ethene	0.35 U	1.0	0.35	1	03/16/22 11:58	
Methane	**830 E**	1.1	0.75	1	03/16/22 11:58	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 10:30
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	PW-7	**Units:**	ug/L
Lab Code:	R2202163-022	**Basis:**	NA

Dissolved Gases by GC/FID

Analysis Method: RSK 175

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Ethane	0.17 U	1.0	0.17	1	03/16/22 12:17	
Ethene	0.35 U	1.0	0.35	1	03/16/22 12:17	
Methane	**34**	1.1	0.75	1	03/16/22 12:17	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 10:30
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	GMMW-7	**Units:**	ug/L
Lab Code:	R2202163-024	**Basis:**	NA

Dissolved Gases by GC/FID

Analysis Method: RSK 175

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Ethane	3.3 U	21	3.3	20	03/16/22 12:40	
Ethene	7.0 U	20	7.0	20	03/16/22 12:40	
Methane	**680 D**	21	15	20	03/16/22 12:40	

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Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 10:30
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	GMMW-7	**Units:**	ug/L
Lab Code:	R2202163-024	**Basis:**	NA

Dissolved Gases by GC/FID

Analysis Method: RSK 175

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Ethane	**1.2**	1.0	0.17	1	03/16/22 12:28	
Ethene	**3.0**	1.0	0.35	1	03/16/22 12:28	
Methane	**980 E**	1.1	0.75	1	03/16/22 12:28	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 10:55
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	GMMW-5	**Units:**	ug/L
Lab Code:	R2202163-028	**Basis:**	NA

Dissolved Gases by GC/FID

Analysis Method: RSK 175

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Q
Ethane	41	U	260	41	250	03/16/22 13:03	
Ethene	88	U	250	88	250	03/16/22 13:03	
Methane	**12000**	**D**	260	190	250	03/16/22 13:03	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 10:55
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	GMMW-5	**Units:**	ug/L
Lab Code:	R2202163-028	**Basis:**	NA

Dissolved Gases by GC/FID

Analysis Method: RSK 175

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Ethane	**4.6**	1.0	0.17	1	03/16/22 12:51	
Ethene	**0.66 J**	1.0	0.35	1	03/16/22 12:51	
Methane	**1800 E**	1.1	0.75	1	03/16/22 12:51	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 11:40
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	Equipment Blank	**Units:**	ug/L
Lab Code:	R2202163-030	**Basis:**	NA

Dissolved Gases by GC/FID

Analysis Method: RSK 175

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Ethane	0.17 U	1.0	0.17	1	03/16/22 13:22	
Ethene	0.35 U	1.0	0.35	1	03/16/22 13:22	
Methane	0.75 U	1.1	0.75	1	03/16/22 13:22	

Metals

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 08:05
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	W-18	**Basis:**	NA
Lab Code:	R2202163-001		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Iron, Total	6010C	**25100**	ug/L	100	1	03/17/22 00:48	03/15/22	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 08:05
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	W-18 Diss	**Basis:**	NA
Lab Code:	R2202163-002		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Iron, Dissolved	6010C	100 U	ug/L	100	1	03/17/22 00:51	03/15/22	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 09:00
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	GMPW-4	**Basis:**	NA
Lab Code:	R2202163-005		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Iron, Total	6010C	100 U	ug/L	100	1	03/17/22 00:54	03/15/22	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 09:00
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	GMPW-4 Diss	**Basis:**	NA
Lab Code:	R2202163-006		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Iron, Dissolved	6010C	100 U	ug/L	100	1	03/17/22 00:58	03/15/22	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 09:25
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	PW-4	**Basis:**	NA
Lab Code:	R2202163-007		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Iron, Total	6010C	**190**	ug/L	100	1	03/17/22 01:01	03/15/22	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 10:35
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	GMMW-6	**Basis:**	NA
Lab Code:	R2202163-009		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Iron, Total	6010C	**11200**	ug/L	100	1	03/17/22 01:04	03/15/22	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 10:35
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	GMMW-6 Diss	**Basis:**	NA
Lab Code:	R2202163-010		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Iron, Dissolved	6010C	**20400**	ug/L	100	1	03/17/22 01:08	03/15/22	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 13:10
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	GMMW-2	**Basis:**	NA
Lab Code:	R2202163-011		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Iron, Total	6010C	**700**	ug/L	100	1	03/17/22 01:11	03/15/22	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 13:10
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	GMMW-2 Diss	**Basis:**	NA
Lab Code:	R2202163-012		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Iron, Dissolved	6010C	**180**	ug/L	100	1	03/17/22 01:21	03/15/22	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 13:10
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	GMMW-2 Dup	**Basis:**	NA
Lab Code:	R2202163-013		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Iron, Total	6010C	**730**	ug/L	100	1	03/17/22 01:24	03/15/22	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 13:10
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	GMMW-2 Dup Diss	**Basis:**	NA
Lab Code:	R2202163-014		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Iron, Dissolved	6010C	**160**	ug/L	100	1	03/17/22 01:27	03/15/22	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 09:50
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	PW-3	**Basis:**	NA
Lab Code:	R2202163-018		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Iron, Total	6010C	**2380**	ug/L	100	1	03/17/22 01:30	03/15/22	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 09:50
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	PW-3 Diss	**Basis:**	NA
Lab Code:	R2202163-019		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Iron, Dissolved	6010C	100 U	ug/L	100	1	03/17/22 01:47	03/15/22	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 09:50
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	W-16S	**Basis:**	NA
Lab Code:	R2202163-020		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Iron, Total	6010C	**15600**	ug/L	100	1	03/17/22 02:10	03/15/22	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 09:50
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	W-16S Diss	**Basis:**	NA
Lab Code:	R2202163-021		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Iron, Dissolved	6010C	**150**	ug/L	100	1	03/17/22 02:13	03/15/22	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 10:30
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	PW-7	**Basis:**	NA
Lab Code:	R2202163-022		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Iron, Total	6010C	**3250**	ug/L	100	1	03/17/22 02:16	03/15/22	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 10:30
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	PW-7 Diss	**Basis:**	NA
Lab Code:	R2202163-023		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Iron, Dissolved	6010C	**900**	ug/L	100	1	03/17/22 02:20	03/15/22	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 10:30
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	GMMW-7	**Basis:**	NA
Lab Code:	R2202163-024		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Iron, Total	6010C	**180**	ug/L	100	1	03/17/22 02:23	03/15/22	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 10:30
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	GMMW-7 Diss	**Basis:**	NA
Lab Code:	R2202163-025		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Iron, Dissolved	6010C	**150**	ug/L	100	1	03/17/22 02:26	03/15/22	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 10:55
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	GMMW-5	**Basis:**	NA
Lab Code:	R2202163-028		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Iron, Total	6010C	**59900**	ug/L	1000	10	03/17/22 18:58	03/15/22	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 10:55
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	GMMW-5 Diss	**Basis:**	NA
Lab Code:	R2202163-029		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Iron, Dissolved	6010C	**55900**	ug/L	1000	10	03/17/22 18:36	03/15/22	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 11:40
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	Equipment Blank	**Basis:**	NA
Lab Code:	R2202163-030		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Iron, Total	6010C	100 U	ug/L	100	1	03/16/22 23:26	03/15/22	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 11:40
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	Equipment Blank Diss	**Basis:**	NA
Lab Code:	R2202163-031		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Iron, Dissolved	6010C	100 U	ug/L	100	1	03/16/22 23:36	03/15/22	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 09:25
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	PW-4 Diss	**Basis:**	NA
Lab Code:	R2202163-032		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Iron, Dissolved	6010C	100 U	ug/L	100	1	03/16/22 23:39	03/15/22	

General Chemistry

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 08:05
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	W-18	**Basis:**	NA
Lab Code:	R2202163-001		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	**1.5**	mg/L	1.0	1	03/15/22 21:32	
Nitrate as Nitrogen	300.0	**1.4**	mg/L	1.0	10	03/11/22 12:16	
Nitrite as Nitrogen	300.0	1.0 U	mg/L	1.0	10	03/11/22 12:16	
Sulfate	300.0	**4.9**	mg/L	2.0	10	03/11/22 12:16	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 09:00
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	GMPW-4	**Basis:**	NA
Lab Code:	R2202163-005		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	**3.5**	mg/L	1.0	1	03/15/22 22:35	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	03/11/22 12:43	
Nitrite as Nitrogen	300.0	1.0 U	mg/L	1.0	10	03/11/22 12:43	
Sulfate	300.0	**9.1**	mg/L	2.0	10	03/11/22 12:43	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 09:25
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	PW-4	**Basis:**	NA
Lab Code:	R2202163-007		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	**2.2**	mg/L	1.0	1	03/15/22 22:56	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	03/11/22 12:49	
Nitrite as Nitrogen	300.0	1.0 U	mg/L	1.0	10	03/11/22 12:49	
Sulfate	300.0	**7.2**	mg/L	2.0	10	03/11/22 12:49	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 10:35
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	GMMW-6	**Basis:**	NA
Lab Code:	R2202163-009		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	**5.5**	mg/L	1.0	1	03/15/22 23:17	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	03/11/22 13:09	
Nitrite as Nitrogen	300.0	1.0 U	mg/L	1.0	10	03/11/22 13:09	
Sulfate	300.0	2.0 U	mg/L	2.0	10	03/11/22 13:09	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 13:10
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	GMMW-2	**Basis:**	NA
Lab Code:	R2202163-011		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	**2.8**	mg/L	1.0	1	03/16/22 09:37	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	03/11/22 13:15	
Nitrite as Nitrogen	300.0	1.0 U	mg/L	1.0	10	03/11/22 13:15	
Sulfate	300.0	**20.7**	mg/L	2.0	10	03/11/22 13:15	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 13:10
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	GMMW-2 Dup	**Basis:**	NA
Lab Code:	R2202163-013		

Inorganic Parameters

Analyte Name	Analysis Method	Result		Units	MRL	Dil.	Date Analyzed	Q
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	**2.9**		mg/L	1.0	1	03/16/22 09:16	
Nitrate as Nitrogen	300.0	1.0	U	mg/L	1.0	10	03/11/22 13:22	
Nitrite as Nitrogen	300.0	1.0	U	mg/L	1.0	10	03/11/22 13:22	
Sulfate	300.0	**21.1**		mg/L	2.0	10	03/11/22 13:22	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 09:50
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	PW-3	**Basis:**	NA
Lab Code:	R2202163-018		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	**1.6**	mg/L	1.0	1	03/16/22 09:58	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	03/11/22 13:54	
Nitrite as Nitrogen	300.0	1.0 U	mg/L	1.0	10	03/11/22 13:54	
Sulfate	300.0	**6.8**	mg/L	2.0	10	03/11/22 13:54	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 09:50
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	W-16S	**Basis:**	NA
Lab Code:	R2202163-020		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	**1.7**	mg/L	1.0	1	03/15/22 23:38	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	03/11/22 16:03	
Nitrite as Nitrogen	300.0	1.0 U	mg/L	1.0	10	03/11/22 16:03	
Sulfate	300.0	**11.6**	mg/L	2.0	10	03/11/22 16:03	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 10:30
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	PW-7	**Basis:**	NA
Lab Code:	R2202163-022		

Inorganic Parameters

Analyte Name	Analysis Method	Result		Units	MRL	Dil.	Date Analyzed	Q
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	1.0	U	mg/L	1.0	1	03/16/22 11:01	
Nitrate as Nitrogen	300.0	**1.1**		mg/L	1.0	10	03/11/22 14:13	
Nitrite as Nitrogen	300.0	1.0	U	mg/L	1.0	10	03/11/22 14:13	
Sulfate	300.0	**9.6**		mg/L	2.0	10	03/11/22 14:13	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 10:30
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	GMMW-7	**Basis:**	NA
Lab Code:	R2202163-024		

Inorganic Parameters

Analyte Name	Analysis Method	Result		Units	MRL	Dil.	Date Analyzed	Q
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	**1.6**		mg/L	1.0	1	03/16/22 11:22	
Nitrate as Nitrogen	300.0	1.0	U	mg/L	1.0	10	03/11/22 14:20	
Nitrite as Nitrogen	300.0	1.0	U	mg/L	1.0	10	03/11/22 14:20	
Sulfate	300.0	**10.9**		mg/L	2.0	10	03/11/22 14:20	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 10:55
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	GMMW-5	**Basis:**	NA
Lab Code:	R2202163-028		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	**5.2**	mg/L	1.0	1	03/16/22 11:43	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	03/11/22 13:28	
Nitrite as Nitrogen	300.0	1.0 U	mg/L	1.0	10	03/11/22 13:28	
Sulfate	300.0	**7.6**	mg/L	2.0	10	03/11/22 13:28	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 11:40
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	Equipment Blank	**Basis:**	NA
Lab Code:	R2202163-030		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	1.0 U	mg/L	1.0	1	03/16/22 12:04	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	03/11/22 13:35	
Nitrite as Nitrogen	300.0	1.0 U	mg/L	1.0	10	03/11/22 13:35	
Sulfate	300.0	2.0 U	mg/L	2.0	10	03/11/22 13:35	

Field Data

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 08:05
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	W-18	**Basis:**	NA
Lab Code:	R2202163-001		

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	**252**	uMHOS/cm	-	1	03/10/22 08:05	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	**127**	mV	-	1	03/10/22 08:05	
pH, Field	SM 4500-H+ B	**6.89**	pH Units	-	1	03/10/22 08:05	
Temperature, Field	SM 2550 B	**1.30**	deg C	-	1	03/10/22 08:05	
Turbidity, Field	180.1	**13**	NTU	-	1	03/10/22 08:05	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 08:35
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	PW-5	**Basis:**	NA
Lab Code:	R2202163-003		

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	**311**	uMHOS/cm	-	1	03/10/22 08:35	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	**153**	mV	-	1	03/10/22 08:35	
pH, Field	SM 4500-H+ B	**7.35**	pH Units	-	1	03/10/22 08:35	
Temperature, Field	SM 2550 B	**0.100**	deg C	-	1	03/10/22 08:35	
Turbidity, Field	180.1	**58**	NTU	-	1	03/10/22 08:35	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 09:00
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	GMPW-4	**Basis:**	NA
Lab Code:	R2202163-005		

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	**672**	uMHOS/cm	-	1	03/10/22 09:00	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	**154**	mV	-	1	03/10/22 09:00	
pH, Field	SM 4500-H+ B	**6.29**	pH Units	-	1	03/10/22 09:00	
Temperature, Field	SM 2550 B	**5.40**	deg C	-	1	03/10/22 09:00	
Turbidity, Field	180.1	**1.6**	NTU	-	1	03/10/22 09:00	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 09:25
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	PW-4	**Basis:**	NA
Lab Code:	R2202163-007		

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	**264**	uMHOS/cm	-	1	03/10/22 09:25	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	**216**	mV	-	1	03/10/22 09:25	
pH, Field	SM 4500-H+ B	**6.11**	pH Units	-	1	03/10/22 09:25	
Temperature, Field	SM 2550 B	**5.00**	deg C	-	1	03/10/22 09:25	
Turbidity, Field	180.1	**7.9**	NTU	-	1	03/10/22 09:25	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 10:35
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	GMMW-6	**Basis:**	NA
Lab Code:	R2202163-009		

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	**953**	uMHOS/cm	-	1	03/10/22 10:35	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	**-49.0**	mV	-	1	03/10/22 10:35	
pH, Field	SM 4500-H+ B	**6.52**	pH Units	-	1	03/10/22 10:35	
Temperature, Field	SM 2550 B	**4.80**	deg C	-	1	03/10/22 10:35	
Turbidity, Field	180.1	**20.8**	NTU	-	1	03/10/22 10:35	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 13:10
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	GMMW-2	**Basis:**	NA
Lab Code:	R2202163-011		

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	**504**	uMHOS/cm	-	1	03/10/22 13:10	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	**149**	mV	-	1	03/10/22 13:10	
pH, Field	SM 4500-H+ B	**6.41**	pH Units	-	1	03/10/22 13:10	
Temperature, Field	SM 2550 B	**5.90**	deg C	-	1	03/10/22 13:10	
Turbidity, Field	180.1	**3.1**	NTU	-	1	03/10/22 13:10	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 13:10
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	GMMW-2 Dup	**Basis:**	NA
Lab Code:	R2202163-013		

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	**500**	uMHOS/cm	-	1	03/10/22 13:10	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	**143**	mV	-	1	03/10/22 13:10	
pH, Field	SM 4500-H+ B	**6.40**	pH Units	-	1	03/10/22 13:10	
Temperature, Field	SM 2550 B	**5.90**	deg C	-	1	03/10/22 13:10	
Turbidity, Field	180.1	**3.7**	NTU	-	1	03/10/22 13:10	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 07:15
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	W-7	**Basis:**	NA
Lab Code:	R2202163-017		

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	**384**	uMHOS/cm	-	1	03/10/22 07:15	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	**14.0**	mV	-	1	03/10/22 07:15	
pH, Field	SM 4500-H+ B	**6.04**	pH Units	-	1	03/10/22 07:15	
Temperature, Field	SM 2550 B	**9.20**	deg C	-	1	03/10/22 07:15	
Turbidity, Field	180.1	**21.3**	NTU	-	1	03/10/22 07:15	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 09:50
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	PW-3	**Basis:**	NA
Lab Code:	R2202163-018		

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	**343**	uMHOS/cm	-	1	03/10/22 09:50	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	**40.0**	mV	-	1	03/10/22 09:50	
pH, Field	SM 4500-H+ B	**6.31**	pH Units	-	1	03/10/22 09:50	
Temperature, Field	SM 2550 B	**2.90**	deg C	-	1	03/10/22 09:50	
Turbidity, Field	180.1	**28**	NTU	-	1	03/10/22 09:50	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 09:50
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	W-16S	**Basis:**	NA
Lab Code:	R2202163-020		

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	**370**	uMHOS/cm	-	1	03/10/22 09:50	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	**71.0**	mV	-	1	03/10/22 09:50	
pH, Field	SM 4500-H+ B	**6.22**	pH Units	-	1	03/10/22 09:50	
Temperature, Field	SM 2550 B	**4.70**	deg C	-	1	03/10/22 09:50	
Turbidity, Field	180.1	**48.8**	NTU	-	1	03/10/22 09:50	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 10:30
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	PW-7	**Basis:**	NA
Lab Code:	R2202163-022		

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	**141**	uMHOS/cm	-	1	03/10/22 10:30	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	**96.0**	mV	-	1	03/10/22 10:30	
pH, Field	SM 4500-H+ B	**5.99**	pH Units	-	1	03/10/22 10:30	
Temperature, Field	SM 2550 B	**8.90**	deg C	-	1	03/10/22 10:30	
Turbidity, Field	180.1	**8.1**	NTU	-	1	03/10/22 10:30	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 10:30
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	GMMW-7	**Basis:**	NA
Lab Code:	R2202163-024		

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	**354**	uMHOS/cm	-	1	03/10/22 10:30	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	**119**	mV	-	1	03/10/22 10:30	
pH, Field	SM 4500-H+ B	**6.19**	pH Units	-	1	03/10/22 10:30	
Temperature, Field	SM 2550 B	**9.00**	deg C	-	1	03/10/22 10:30	
Turbidity, Field	180.1	**2.8**	NTU	-	1	03/10/22 10:30	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 10:50
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	W-17S	**Basis:**	NA
Lab Code:	R2202163-026		

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	**98**	uMHOS/cm	-	1	03/10/22 10:50	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	**119**	mV	-	1	03/10/22 10:50	
pH, Field	SM 4500-H+ B	**6.39**	pH Units	-	1	03/10/22 10:50	
Temperature, Field	SM 2550 B	**4.70**	deg C	-	1	03/10/22 10:50	
Turbidity, Field	180.1	**8.6**	NTU	-	1	03/10/22 10:50	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 11:00
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	W-20S	**Basis:**	NA
Lab Code:	R2202163-027		

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	**143**	uMHOS/cm	-	1	03/10/22 11:00	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	**145**	mV	-	1	03/10/22 11:00	
pH, Field	SM 4500-H+ B	**6.09**	pH Units	-	1	03/10/22 11:00	
Temperature, Field	SM 2550 B	**5.50**	deg C	-	1	03/10/22 11:00	
Turbidity, Field	180.1	**24.9**	NTU	-	1	03/10/22 11:00	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22 10:55
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22 17:15
Sample Name:	GMMW-5	**Basis:**	NA
Lab Code:	R2202163-028		

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	**601**	uMHOS/cm	-	1	03/10/22 10:55	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	**-45.0**	mV	-	1	03/10/22 10:55	
pH, Field	SM 4500-H+ B	**6.42**	pH Units	-	1	03/10/22 10:55	
Temperature, Field	SM 2550 B	**9.30**	deg C	-	1	03/10/22 10:55	
Turbidity, Field	180.1	**12.3**	NTU	-	1	03/10/22 10:55	

QC Summary Forms

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Volatile Organic Compounds by GC/MS

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Client: Broome County Division of Solid Waste Management **Service Request:** R2202163
Project: Colesville 5th Quarter
Sample Matrix: Drinking Water

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Extraction Method: EPA 5030C

Sample Name	Lab Code	4-Bromofluorobenzene 85-122	Dibromofluoromethane 80-116	Toluene-d8 87-121
W-18	R2202163-001	93	93	93
PW-5	R2202163-003	95	99	95
GMPW-4	R2202163-005	92	93	93
PW-4	R2202163-007	90	95	94
GMMW-6	R2202163-009	93	93	95
GMMW-2	R2202163-011	89	95	95
GMMW-2 Dup	R2202163-013	93	93	96
Trip Blank 1	R2202163-015	94	95	94
Trip Blank 2	R2202163-016	92	97	96
W-7	R2202163-017	91	97	95
PW-3	R2202163-018	93	94	95
W-16S	R2202163-020	92	95	96
PW-7	R2202163-022	93	95	94
GMMW-7	R2202163-024	92	97	97
W-17S	R2202163-026	91	100	96
W-20S	R2202163-027	94	95	95
GMMW-5	R2202163-028	91	98	95
Equipment Blank	R2202163-030	91	94	94
Method Blank	RQ2202503-04	92	93	95
Method Blank	RQ2202529-05	94	99	95
Lab Control Sample	RQ2202503-03	93	97	91
Lab Control Sample	RQ2202529-03	92	98	94
Duplicate Lab Control Sample	RQ2202529-04	100	101	98
PW-3 MS	RQ2202503-05	94	98	96
PW-3 DMS	RQ2202503-06	98	102	98

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22
		Date Analyzed:	03/14/22
		Date Extracted:	NA

Duplicate Matrix Spike Summary
Volatile Organic Compounds by GC/MS

Sample Name:	PW-3	**Units:**	ug/L
Lab Code:	R2202163-018	**Basis:**	NA
Analysis Method:	8260C		
Prep Method:	EPA 5030C		

		Matrix Spike			Duplicate Matrix Spike					
		RQ2202503-05			RQ2202503-06					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,1,1-Trichloroethane (TCA)	0.20 U	45.0	50.0	90	52.1	50.0	104	74-127	15	30
1,1,2,2-Tetrachloroethane	0.20 U	44.9	50.0	90	45.8	50.0	92	72-122	2	30
1,1,2-Trichloroethane	0.20 U	45.1	50.0	90	45.5	50.0	91	82-121	<1	30
1,1,2-Trichloro-1,2,2-trifluoroethane	0.20 U	44.4	50.0	89	47.1	50.0	94	50-147	6	30
1,1-Dichloroethane (1,1-DCA)	0.20 U	51.7	50.0	103	57.0	50.0	114	74-132	10	30
1,1-Dichloroethene (1,1-DCE)	0.20 U	49.7	50.0	99	53.8	50.0	108	71-118	8	30
1,2,4-Trichlorobenzene	0.34 U	48.4	50.0	97	46.7	50.0	93	69-122	4	30
1,2-Dibromo-3-chloropropane (DBCP)	0.45 U	38.3	50.0	77	43.6	50.0	87	37-150	13	30
1,2-Dibromoethane	0.20 U	40.6	50.0	81	43.5	50.0	87	67-127	7	30
1,2-Dichlorobenzene	0.20 U	47.6	50.0	95	46.7	50.0	93	77-120	2	30
1,2-Dichloroethane	0.20 U	44.0	50.0	88	46.2	50.0	92	68-130	5	30
1,2-Dichloropropane	0.20 U	45.1	50.0	90	46.9	50.0	94	79-124	4	30
1,3-Dichlorobenzene	0.20 U	45.4	50.0	91	46.3	50.0	93	83-121	2	30
1,4-Dichlorobenzene	0.20 U	44.3	50.0	89	43.6	50.0	87	82-120	2	30
2-Butanone (MEK)	0.78 U	46.2	50.0	92	43.4	50.0	87	61-137	6	30
2-Hexanone	0.20 U	42.2	50.0	84	41.6	50.0	83	56-132	2	30
4-Methyl-2-pentanone	0.20 U	47.3	50.0	95	45.1	50.0	90	60-141	5	30
Acetone	5.0 U	49.2	50.0	98	49.0	50.0	98	35-183	<1	30
Benzene	0.20 U	46.9	50.0	94	49.4	50.0	99	76-129	5	30
Bromodichloromethane	0.20 U	46.7	50.0	93	51.2	50.0	102	78-133	9	30
Bromoform	0.25 U	48.1	50.0	96	51.8	50.0	104	58-133	8	30
Bromomethane	0.70 U	39.6	50.0	79	43.4	50.0	87	10-184	9	30
Carbon Disulfide	0.42 U	41.9	50.0	84	41.8	50.0	84	59-140	<1	30
Carbon Tetrachloride	0.34 U	41.6	50.0	83	47.2	50.0	94	65-135	13	30
Chlorobenzene	0.20 U	44.9	50.0	90	47.1	50.0	94	76-125	5	30
Chloroethane	0.23 U	52.1	50.0	104	58.2	50.0	116	48-146	11	30
Chloroform	0.24 U	47.1	50.0	94	50.7	50.0	101	75-130	7	30
Chloromethane	0.28 U	58.3	50.0	117	65.3	50.0	131	55-160	11	30
Cyclohexane	0.26 U	47.9	50.0	96	49.4	50.0	99	52-145	3	30
Dibromochloromethane	0.20 U	47.9	50.0	96	53.7	50.0	107	72-128	11	30
Dichlorodifluoromethane (CFC 12)	0.21 U	42.5	50.0	85	44.9	50.0	90	49-154	5	30
Dichloromethane	0.65 U	50.3	50.0	101	55.3	50.0	111	73-122	9	30
Ethylbenzene	0.20 U	47.3	50.0	95	50.4	50.0	101	72-134	6	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Matrix Spike and Matrix Spike Duplicate Data is presented for information purposes only. The matrix may or may not be relevant to samples reported in this report. The laboratory evaluates system performance based on the LCS and LCSD control limits.

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22
		Date Analyzed:	03/14/22
		Date Extracted:	NA

Duplicate Matrix Spike Summary
Volatile Organic Compounds by GC/MS

Sample Name:	PW-3	**Units:**	ug/L
Lab Code:	R2202163-018	**Basis:**	NA
Analysis Method:	8260C		
Prep Method:	EPA 5030C		

		Matrix Spike			Duplicate Matrix Spike					
		RQ2202503-05			RQ2202503-06					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Isopropylbenzene (Cumene)	0.20 U	53.7	50.0	107	53.1	50.0	106	77-128	1	30
Methyl Acetate	0.33 U	37.9	50.0	76	41.1	50.0	82	26-121	8	30
Methyl tert-Butyl Ether	0.20 U	45.3	50.0	91	50.3	50.0	101	75-119	10	30
Methylcyclohexane	0.20 U	46.5	50.0	93	50.9	50.0	102	45-146	9	30
Styrene	0.20 U	45.7	50.0	91	47.9	50.0	96	74-136	5	30
Tetrachloroethene (PCE)	0.21 U	45.6	50.0	91	46.2	50.0	92	72-125	1	30
Toluene	0.20 U	47.9	50.0	96	49.8	50.0	100	79-119	4	30
Trichloroethene (TCE)	0.20 U	51.3	50.0	103	52.9	50.0	106	74-122	3	30
Trichlorofluoromethane (CFC 11)	0.24 U	49.0	50.0	98	51.4	50.0	103	71-136	5	30
Vinyl Chloride	0.20 U	51.2	50.0	102	56.1	50.0	112	74-159	9	30
cis-1,2-Dichloroethene	0.23 U	48.5	50.0	97	53.0	50.0	106	77-127	9	30
cis-1,3-Dichloropropene	0.20 U	42.3	50.0	85	46.2	50.0	92	52-134	9	30
trans-1,2-Dichloroethene	0.20 U	47.8	50.0	96	50.6	50.0	101	73-118	6	30
trans-1,3-Dichloropropene	0.23 U	35.9	50.0	72	41.4	50.0	83	71-133	14	30

Results flagged with an asterisk (*) indicate values outside control criteria.

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Matrix Spike and Matrix Spike Duplicate Data is presented for information purposes only. The matrix may or may not be relevant to samples reported in this report. The laboratory evaluates system performance based on the LCS and LCSD control limits.

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	NA
Sample Matrix:	Drinking Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2202503-04	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	03/14/22 12:59	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	03/14/22 12:59	
1,1,2-Trichloroethane	5.0 U	5.0	1	03/14/22 12:59	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0 U	5.0	1	03/14/22 12:59	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	03/14/22 12:59	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	03/14/22 12:59	
1,2,4-Trichlorobenzene	5.0 U	5.0	1	03/14/22 12:59	
1,2-Dibromo-3-chloropropane (DBCP)	5.0 U	5.0	1	03/14/22 12:59	
1,2-Dibromoethane	5.0 U	5.0	1	03/14/22 12:59	
1,2-Dichlorobenzene	5.0 U	5.0	1	03/14/22 12:59	
1,2-Dichloroethane	5.0 U	5.0	1	03/14/22 12:59	
1,2-Dichloropropane	5.0 U	5.0	1	03/14/22 12:59	
1,3-Dichlorobenzene	5.0 U	5.0	1	03/14/22 12:59	
1,4-Dichlorobenzene	5.0 U	5.0	1	03/14/22 12:59	
2-Butanone (MEK)	10 U	10	1	03/14/22 12:59	
2-Hexanone	10 U	10	1	03/14/22 12:59	
4-Methyl-2-pentanone	10 U	10	1	03/14/22 12:59	
Acetone	10 U	10	1	03/14/22 12:59	
Benzene	5.0 U	5.0	1	03/14/22 12:59	
Bromodichloromethane	5.0 U	5.0	1	03/14/22 12:59	
Bromoform	5.0 U	5.0	1	03/14/22 12:59	
Bromomethane	5.0 U	5.0	1	03/14/22 12:59	
Carbon Disulfide	10 U	10	1	03/14/22 12:59	
Carbon Tetrachloride	5.0 U	5.0	1	03/14/22 12:59	
Chlorobenzene	5.0 U	5.0	1	03/14/22 12:59	
Chloroethane	5.0 U	5.0	1	03/14/22 12:59	
Chloroform	5.0 U	5.0	1	03/14/22 12:59	
Chloromethane	5.0 U	5.0	1	03/14/22 12:59	
Cyclohexane	10 U	10	1	03/14/22 12:59	
Dibromochloromethane	5.0 U	5.0	1	03/14/22 12:59	
Dichlorodifluoromethane (CFC 12)	5.0 U	5.0	1	03/14/22 12:59	
Dichloromethane	5.0 U	5.0	1	03/14/22 12:59	
Ethylbenzene	5.0 U	5.0	1	03/14/22 12:59	
Isopropylbenzene (Cumene)	5.0 U	5.0	1	03/14/22 12:59	
Methyl Acetate	10 U	10	1	03/14/22 12:59	
Methyl tert-Butyl Ether	5.0 U	5.0	1	03/14/22 12:59	
Methylcyclohexane	10 U	10	1	03/14/22 12:59	
Styrene	5.0 U	5.0	1	03/14/22 12:59	
Tetrachloroethene (PCE)	5.0 U	5.0	1	03/14/22 12:59	
Toluene	5.0 U	5.0	1	03/14/22 12:59	
Trichloroethene (TCE)	5.0 U	5.0	1	03/14/22 12:59	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	03/14/22 12:59	
Vinyl Chloride	5.0 U	5.0	1	03/14/22 12:59	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	NA
Sample Matrix:	Drinking Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2202503-04	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Xylenes, Total	5.0 U	5.0	1	03/14/22 12:59	
cis-1,2-Dichloroethene	5.0 U	5.0	1	03/14/22 12:59	
cis-1,3-Dichloropropene	5.0 U	5.0	1	03/14/22 12:59	
trans-1,2-Dichloroethene	5.0 U	5.0	1	03/14/22 12:59	
trans-1,3-Dichloropropene	5.0 U	5.0	1	03/14/22 12:59	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	92	85 - 122	03/14/22 12:59	
Dibromofluoromethane	93	80 - 116	03/14/22 12:59	
Toluene-d8	95	87 - 121	03/14/22 12:59	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	NA
Sample Matrix:	Drinking Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2202529-05	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	03/15/22 00:20	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	03/15/22 00:20	
1,1,2-Trichloroethane	5.0 U	5.0	1	03/15/22 00:20	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0 U	5.0	1	03/15/22 00:20	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	03/15/22 00:20	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	03/15/22 00:20	
1,2,4-Trichlorobenzene	5.0 U	5.0	1	03/15/22 00:20	
1,2-Dibromo-3-chloropropane (DBCP)	5.0 U	5.0	1	03/15/22 00:20	
1,2-Dibromoethane	5.0 U	5.0	1	03/15/22 00:20	
1,2-Dichlorobenzene	5.0 U	5.0	1	03/15/22 00:20	
1,2-Dichloroethane	5.0 U	5.0	1	03/15/22 00:20	
1,2-Dichloropropane	5.0 U	5.0	1	03/15/22 00:20	
1,3-Dichlorobenzene	5.0 U	5.0	1	03/15/22 00:20	
1,4-Dichlorobenzene	5.0 U	5.0	1	03/15/22 00:20	
2-Butanone (MEK)	10 U	10	1	03/15/22 00:20	
2-Hexanone	10 U	10	1	03/15/22 00:20	
4-Methyl-2-pentanone	10 U	10	1	03/15/22 00:20	
Acetone	10 U	10	1	03/15/22 00:20	
Benzene	5.0 U	5.0	1	03/15/22 00:20	
Bromodichloromethane	5.0 U	5.0	1	03/15/22 00:20	
Bromoform	5.0 U	5.0	1	03/15/22 00:20	
Bromomethane	5.0 U	5.0	1	03/15/22 00:20	
Carbon Disulfide	10 U	10	1	03/15/22 00:20	
Carbon Tetrachloride	5.0 U	5.0	1	03/15/22 00:20	
Chlorobenzene	5.0 U	5.0	1	03/15/22 00:20	
Chloroethane	5.0 U	5.0	1	03/15/22 00:20	
Chloroform	5.0 U	5.0	1	03/15/22 00:20	
Chloromethane	5.0 U	5.0	1	03/15/22 00:20	
Cyclohexane	10 U	10	1	03/15/22 00:20	
Dibromochloromethane	5.0 U	5.0	1	03/15/22 00:20	
Dichlorodifluoromethane (CFC 12)	5.0 U	5.0	1	03/15/22 00:20	
Dichloromethane	5.0 U	5.0	1	03/15/22 00:20	
Ethylbenzene	5.0 U	5.0	1	03/15/22 00:20	
Isopropylbenzene (Cumene)	5.0 U	5.0	1	03/15/22 00:20	
Methyl Acetate	10 U	10	1	03/15/22 00:20	
Methyl tert-Butyl Ether	5.0 U	5.0	1	03/15/22 00:20	
Methylcyclohexane	10 U	10	1	03/15/22 00:20	
Styrene	5.0 U	5.0	1	03/15/22 00:20	
Tetrachloroethene (PCE)	5.0 U	5.0	1	03/15/22 00:20	
Toluene	5.0 U	5.0	1	03/15/22 00:20	
Trichloroethene (TCE)	5.0 U	5.0	1	03/15/22 00:20	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	03/15/22 00:20	
Vinyl Chloride	5.0 U	5.0	1	03/15/22 00:20	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	NA
Sample Matrix:	Drinking Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2202529-05	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Xylenes, Total	5.0 U	5.0	1	03/15/22 00:20	
cis-1,2-Dichloroethene	5.0 U	5.0	1	03/15/22 00:20	
cis-1,3-Dichloropropene	5.0 U	5.0	1	03/15/22 00:20	
trans-1,2-Dichloroethene	5.0 U	5.0	1	03/15/22 00:20	
trans-1,3-Dichloropropene	5.0 U	5.0	1	03/15/22 00:20	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	85 - 122	03/15/22 00:20	
Dibromofluoromethane	99	80 - 116	03/15/22 00:20	
Toluene-d8	95	87 - 121	03/15/22 00:20	

Client: Broome County Division of Solid Waste Management
Project: Colesville 5th Quarter
Sample Matrix: Drinking Water

Service Request: R2202163
Date Analyzed: 03/14/22

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ2202503-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
1,1,1-Trichloroethane (TCA)	8260C	20.3	20.0	101	75-125
1,1,2,2-Tetrachloroethane	8260C	18.5	20.0	93	78-126
1,1,2-Trichloroethane	8260C	18.7	20.0	94	82-121
1,1,2-Trichloro-1,2,2-trifluoroethane	8260C	19.9	20.0	99	67-124
1,1-Dichloroethane (1,1-DCA)	8260C	21.2	20.0	106	80-124
1,1-Dichloroethene (1,1-DCE)	8260C	19.8	20.0	99	71-118
1,2,4-Trichlorobenzene	8260C	19.8	20.0	99	75-132
1,2-Dibromo-3-chloropropane (DBCP)	8260C	18.4	20.0	92	55-136
1,2-Dibromoethane	8260C	17.3	20.0	87	82-127
1,2-Dichlorobenzene	8260C	20.4	20.0	102	80-119
1,2-Dichloroethane	8260C	19.1	20.0	95	71-127
1,2-Dichloropropane	8260C	19.7	20.0	99	80-119
1,3-Dichlorobenzene	8260C	20.5	20.0	103	83-121
1,4-Dichlorobenzene	8260C	19.4	20.0	97	79-119
2-Butanone (MEK)	8260C	18.1	20.0	91	61-137
2-Hexanone	8260C	17.7	20.0	89	63-124
4-Methyl-2-pentanone	8260C	18.5	20.0	93	66-124
Acetone	8260C	19.1	20.0	95	40-161
Benzene	8260C	18.9	20.0	95	79-119
Bromodichloromethane	8260C	20.0	20.0	100	81-123
Bromoform	8260C	25.5	20.0	127	65-146
Bromomethane	8260C	17.4	20.0	87	42-166
Carbon Disulfide	8260C	18.0	20.0	90	66-128
Carbon Tetrachloride	8260C	18.7	20.0	93	70-127
Chlorobenzene	8260C	19.4	20.0	97	80-121
Chloroethane	8260C	20.7	20.0	104	62-131
Chloroform	8260C	19.5	20.0	98	79-120
Chloromethane	8260C	23.3	20.0	117	65-135
Cyclohexane	8260C	19.8	20.0	99	69-120
Dibromochloromethane	8260C	23.0	20.0	115	72-128
Dichlorodifluoromethane (CFC 12)	8260C	17.6	20.0	88	59-155
Dichloromethane	8260C	21.0	20.0	105	73-122
Ethylbenzene	8260C	19.2	20.0	96	76-120

Client: Broome County Division of Solid Waste Management
Project: Colesville 5th Quarter
Sample Matrix: Drinking Water

Service Request: R2202163
Date Analyzed: 03/14/22

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ2202503-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Isopropylbenzene (Cumene)	8260C	22.6	20.0	113	77-128
Methyl Acetate	8260C	14.5	20.0	73	61-133
Methyl tert-Butyl Ether	8260C	19.1	20.0	96	75-118
Methylcyclohexane	8260C	19.8	20.0	99	51-129
Styrene	8260C	19.8	20.0	99	80-124
Tetrachloroethene (PCE)	8260C	19.8	20.0	99	72-125
Toluene	8260C	19.6	20.0	98	79-119
Trichloroethene (TCE)	8260C	18.8	20.0	94	74-122
Trichlorofluoromethane (CFC 11)	8260C	20.2	20.0	101	71-136
Vinyl Chloride	8260C	21.0	20.0	105	74-159
cis-1,2-Dichloroethene	8260C	20.4	20.0	102	80-121
cis-1,3-Dichloropropene	8260C	18.3	20.0	92	77-122
trans-1,2-Dichloroethene	8260C	19.5	20.0	97	73-118
trans-1,3-Dichloropropene	8260C	15.7	20.0	79	71-133

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QA/QC Report

Client: Broome County Division of Solid Waste Management
Project: Colesville 5th Quarter
Sample Matrix: Drinking Water

Service Request: R2202163
Date Analyzed: 03/14/22

Duplicate Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

	Lab Control Sample				Duplicate Lab Control Sample					
	RQ2202529-03				RQ2202529-04					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,1,1-Trichloroethane (TCA)	8260C	21.1	20.0	105	20.5	20.0	102	75-125	3	30
1,1,2,2-Tetrachloroethane	8260C	19.2	20.0	96	19.6	20.0	98	78-126	2	30
1,1,2-Trichloroethane	8260C	19.6	20.0	98	20.0	20.0	100	82-121	2	30
1,1,2-Trichloro-1,2,2-trifluoroethane	8260C	19.6	20.0	98	20.4	20.0	102	67-124	4	30
1,1-Dichloroethane (1,1-DCA)	8260C	21.1	20.0	105	21.1	20.0	105	80-124	<1	30
1,1-Dichloroethene (1,1-DCE)	8260C	21.8	20.0	109	20.9	20.0	105	71-118	4	30
1,2,4-Trichlorobenzene	8260C	20.2	20.0	101	20.9	20.0	105	75-132	4	30
1,2-Dibromo-3-chloropropane (DBCP)	8260C	17.5	20.0	87	19.4	20.0	97	55-136	11	30
1,2-Dibromoethane	8260C	17.7	20.0	88	17.4	20.0	87	82-127	2	30
1,2-Dichlorobenzene	8260C	20.3	20.0	102	20.6	20.0	103	80-119	1	30
1,2-Dichloroethane	8260C	19.4	20.0	97	19.6	20.0	98	71-127	1	30
1,2-Dichloropropane	8260C	20.3	20.0	101	18.7	20.0	93	80-119	8	30
1,3-Dichlorobenzene	8260C	19.3	20.0	97	19.8	20.0	99	83-121	3	30
1,4-Dichlorobenzene	8260C	20.6	20.0	103	19.0	20.0	95	79-119	8	30
2-Butanone (MEK)	8260C	17.9	20.0	89	18.6	20.0	93	61-137	4	30
2-Hexanone	8260C	18.6	20.0	93	19.3	20.0	97	63-124	4	30
4-Methyl-2-pentanone	8260C	20.0	20.0	100	20.7	20.0	104	66-124	3	30
Acetone	8260C	21.6	20.0	108	22.0	20.0	110	40-161	2	30
Benzene	8260C	19.7	20.0	99	20.1	20.0	101	79-119	2	30
Bromodichloromethane	8260C	21.5	20.0	108	20.1	20.0	100	81-123	7	30
Bromoform	8260C	22.2	20.0	111	23.5	20.0	118	65-146	6	30
Bromomethane	8260C	18.2	20.0	91	17.8	20.0	89	42-166	2	30
Carbon Disulfide	8260C	17.9	20.0	89	17.9	20.0	89	66-128	<1	30
Carbon Tetrachloride	8260C	19.0	20.0	95	18.3	20.0	92	70-127	4	30
Chlorobenzene	8260C	20.1	20.0	100	19.4	20.0	97	80-121	4	30
Chloroethane	8260C	22.4	20.0	112	22.6	20.0	113	62-131	<1	30
Chloroform	8260C	20.8	20.0	104	20.7	20.0	104	79-120	<1	30
Chloromethane	8260C	24.1	20.0	121	24.9	20.0	125	65-135	3	30
Cyclohexane	8260C	20.7	20.0	103	18.9	20.0	94	69-120	9	30
Dibromochloromethane	8260C	22.9	20.0	115	21.5	20.0	107	72-128	6	30
Dichlorodifluoromethane (CFC 12)	8260C	19.0	20.0	95	18.6	20.0	93	59-155	3	30
Dichloromethane	8260C	22.2	20.0	111	20.5	20.0	103	73-122	8	30
Ethylbenzene	8260C	21.3	20.0	106	20.0	20.0	100	76-120	6	30

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QA/QC Report

Client: Broome County Division of Solid Waste Management
Project: Colesville 5th Quarter
Sample Matrix: Drinking Water

Service Request: R2202163
Date Analyzed: 03/14/22

Duplicate Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ2202529-03			RQ2202529-04					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Isopropylbenzene (Cumene)	8260C	22.5	20.0	112	23.1	20.0	115	77-128	3	30
Methyl Acetate	8260C	15.1	20.0	76	16.1	20.0	80	61-133	6	30
Methyl tert-Butyl Ether	8260C	20.1	20.0	100	20.1	20.0	101	75-118	<1	30
Methylcyclohexane	8260C	20.2	20.0	101	19.7	20.0	98	51-129	2	30
Styrene	8260C	20.7	20.0	103	19.9	20.0	100	80-124	4	30
Tetrachloroethene (PCE)	8260C	20.1	20.0	100	18.9	20.0	94	72-125	6	30
Toluene	8260C	19.8	20.0	99	20.5	20.0	103	79-119	3	30
Trichloroethene (TCE)	8260C	19.1	20.0	96	19.4	20.0	97	74-122	1	30
Trichlorofluoromethane (CFC 11)	8260C	20.7	20.0	104	22.3	20.0	111	71-136	7	30
Vinyl Chloride	8260C	21.4	20.0	107	22.4	20.0	112	74-159	5	30
cis-1,2-Dichloroethene	8260C	20.9	20.0	105	20.6	20.0	103	80-121	2	30
cis-1,3-Dichloropropene	8260C	18.9	20.0	94	18.0	20.0	90	77-122	5	30
trans-1,2-Dichloroethene	8260C	20.4	20.0	102	20.9	20.0	105	73-118	3	30
trans-1,3-Dichloropropene	8260C	16.9	20.0	84	16.9	20.0	85	71-133	<1	30

Volatile Organic Compounds by GC

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Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22
		Date Analyzed:	03/16/22

Duplicate Matrix Spike Summary
Dissolved Gases by GC/FID

Sample Name:	PW-3	**Units:**	ug/L
Lab Code:	R2202163-018	**Basis:**	NA
Analysis Method:	RSK 175		

		Matrix Spike			Duplicate Matrix Spike					
		RQ2202618-06			RQ2202618-07					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Ethane	0.17 U	47.1	52.1	91	48.0	52.1	92	76-126	2	20
Ethene	0.35 U	45.9	48.6	95	47.1	48.6	97	67-132	2	20
Methane	0.75 U	47.9	52.5	91	48.6	52.5	93	46-143	2	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Matrix Spike and Matrix Spike Duplicate Data is presented for information purposes only. The matrix may or may not be relevant to samples reported in this report. The laboratory evaluates system performance based on the LCS and LCSD control limits.

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Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	NA
Sample Matrix:	Drinking Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2202618-02	**Basis:**	NA

Dissolved Gases by GC/FID

Analysis Method: RSK 175

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Ethane	0.17 U	1.0	0.17	1	03/16/22 08:42	
Ethene	0.35 U	1.0	0.35	1	03/16/22 08:42	
Methane	0.75 U	1.1	0.75	1	03/16/22 08:42	

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QA/QC Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Analyzed:**	03/16/22
Sample Matrix:	Drinking Water		

Lab Control Sample Summary
Dissolved Gases by GC/FID

Units:ug/L
Basis:NA

Lab Control Sample
RQ2202618-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Ethane	RSK 175	27.7	26.0	106	85-115
Ethene	RSK 175	26.8	24.3	110	85-115
Methane	RSK 175	27.7	26.2	106	85-115

Metals

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Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	NA
Sample Matrix:	Drinking Water	**Date Received:**	NA
Sample Name:	Method Blank	**Basis:**	NA
Lab Code:	R2202163-MB1		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Iron, Dissolved	6010C	100 U	ug/L	100	1	03/16/22 22:57	03/15/22	
Iron, Total	6010C	100 U	ug/L	100	1	03/16/22 22:57	03/15/22	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	NA
Sample Matrix:	Drinking Water	**Date Received:**	NA
Sample Name:	Method Blank	**Basis:**	NA
Lab Code:	R2202163-MB2		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Iron, Dissolved	6010C	100 U	ug/L	100	1	03/16/22 23:00	03/15/22	
Iron, Total	6010C	100 U	ug/L	100	1	03/17/22 00:41	03/15/22	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	NA
Sample Matrix:	Drinking Water	**Date Received:**	NA
Sample Name:	Method Blank	**Basis:**	NA
Lab Code:	R2202163-MB3		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Iron, Dissolved	6010C	100 U	ug/L	100	1	03/17/22 00:41	03/15/22	

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22
		Date Analyzed:	03/17/22
		Date Extracted:	03/15/22

Duplicate Matrix Spike Summary
Inorganic Parameters

Sample Name:	PW-3	**Units:**	ug/L
Lab Code:	R2202163-018	**Basis:**	NA
Analysis Method:	6010C		
Prep Method:	EPA 3005A/3010A		

		Matrix Spike R2202163-018MS			**Duplicate Matrix Spike** R2202163-018DMS					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Iron, Total	2380	3260	1000	88	3100	1000	72 *	75-125	5	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Matrix Spike and Matrix Spike Duplicate Data is presented for information purposes only. The matrix may or may not be relevant to samples reported in this report. The laboratory evaluates system performance based on the LCS and LCSD control limits.

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22
		Date Analyzed:	03/17/22
		Date Extracted:	03/15/22

Duplicate Matrix Spike Summary
Inorganic Parameters

Sample Name:	PW-3 Diss	**Units:**	ug/L
Lab Code:	R2202163-019	**Basis:**	NA
Analysis Method:	6010C		
Prep Method:	EPA 3005A/3010A		

		Matrix Spike			Duplicate Matrix Spike					
		R2202163-019MS			R2202163-019DMS					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Iron, Dissolved	70 U	1000	1000	100	1020	1000	102	75-125	2	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Matrix Spike and Matrix Spike Duplicate Data is presented for information purposes only. The matrix may or may not be relevant to samples reported in this report. The laboratory evaluates system performance based on the LCS and LCSD control limits.

Client: Broome County Division of Solid Waste Management
Project: Colesville 5th Quarter
Sample Matrix: Drinking Water

Service Request: R2202163
Date Analyzed: 03/17/22

Lab Control Sample Summary
Inorganic Parameters

Units:ug/L
Basis:NA

Lab Control Sample
R2202163-LCS2

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Iron, Dissolved	6010C	990	1000	99	80-120
Iron, Total	6010C	990	1000	99	80-120

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QA/QC Report

Client: Broome County Division of Solid Waste Management
Project: Colesville 5th Quarter
Sample Matrix: Drinking Water

Service Request: R2202163
Date Analyzed: 03/16/22

Duplicate Lab Control Sample Summary
Inorganic Parameters

Units:ug/L
Basis:NA

			Lab Control Sample		Duplicate Lab Control Sample					
			R2202163-LCS1		R2202163-DLCS1					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Iron, Dissolved	6010C	990	1000	99	990	1000	99	80-120	<1	20
Iron, Total	6010C	990	1000	99	990	1000	99	80-120	<1	20

General Chemistry

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Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	NA
Sample Matrix:	Drinking Water	**Date Received:**	NA
Sample Name:	Method Blank	**Basis:**	NA
Lab Code:	R2202163-MB1		

Inorganic Parameters

Analyte Name	Analysis Method	Result		Units	MRL	Dil.	Date Analyzed	Q
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	1.0	U	mg/L	1.0	1	03/15/22 20:09	
Nitrate as Nitrogen	300.0	0.10	U	mg/L	0.10	1	03/11/22 09:54	
Nitrite as Nitrogen	300.0	0.10	U	mg/L	0.10	1	03/11/22 09:54	
Sulfate	300.0	0.20	U	mg/L	0.20	1	03/11/22 09:54	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	NA
Sample Matrix:	Drinking Water	**Date Received:**	NA
Sample Name:	Method Blank	**Basis:**	NA
Lab Code:	R2202163-MB2		

Inorganic Parameters

Analyte Name	Analysis Method	Result		Units	MRL	Dil.	Date Analyzed	Q
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	1.0	U	mg/L	1.0	1	03/16/22 08:34	
Nitrate as Nitrogen	300.0	0.10	U	mg/L	0.10	1	03/11/22 12:29	
Nitrite as Nitrogen	300.0	0.10	U	mg/L	0.10	1	03/11/22 12:29	
Sulfate	300.0	0.20	U	mg/L	0.20	1	03/11/22 12:29	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	NA
Sample Matrix:	Drinking Water	**Date Received:**	NA
Sample Name:	Method Blank	**Basis:**	NA
Lab Code:	R2202163-MB3		

Inorganic Parameters

Analyte Name	Analysis Method	Result		Units	MRL	Dil.	Date Analyzed	Q
Nitrate as Nitrogen	300.0	0.10	U	mg/L	0.10	1	03/11/22 15:05	
Nitrite as Nitrogen	300.0	0.10	U	mg/L	0.10	1	03/11/22 15:05	
Sulfate	300.0	0.20	U	mg/L	0.20	1	03/11/22 15:05	

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202163
Project:	Colesville 5th Quarter	**Date Collected:**	03/10/22
Sample Matrix:	Drinking Water	**Date Received:**	03/11/22
		Date Analyzed:	03/15/22

Matrix Spike Summary
Carbon, Total Organic (TOC)

Sample Name:	W-18	**Units:**	mg/L
Lab Code:	R2202163-001	**Basis:**	NA
Analysis Method:	SM 5310 C-2000(2011)		

Matrix Spike
R2202163-001MS

Analyte Name	Sample Result	Result	Spike Amount	% Rec	% Rec Limits
Carbon, Total Organic (TOC)	1.5	9.3	10.0	79	48-135

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Matrix Spike and Matrix Spike Duplicate Data is presented for information purposes only. The matrix may or may not be relevant to samples reported in this report. The laboratory evaluates system performance based on the LCS and LCSD control limits.

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Broome County Division of Solid Waste Management
Project: Colesville 5th Quarter
Sample Matrix: Drinking Water

Service Request:R2202163
Date Collected:03/10/22
Date Received:03/11/22
Date Analyzed:3/11/22

Duplicate Matrix Spike Summary
General Chemistry Parameters

Sample Name: PW-4
Lab Code: R2202163-007

Units:mg/L
Basis:NA

			Matrix Spike R2202163-007MS			Duplicate Matrix Spike R2202163-007DMS					
Analyte Name	**Method**	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Nitrate as Nitrogen	300.0	0.2 U	10.2	10.0	102	10.2	10.0	102	90-110	<1	20
Sulfate	300.0	7.2	27.4	20.0	101	27.4	20.0	101	90-110	<1	20
Nitrite as Nitrogen	300.0	0.2 U	9.9	10.0	99	10	10.0	100	90-110	<1	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: Broome County Division of Solid Waste Management
Project: Colesville 5th Quarter
Sample Matrix: Drinking Water

Service Request:R2202163
Date Collected:03/10/22
Date Received:03/11/22
Date Analyzed:03/11/22 - 03/16/22

Duplicate Matrix Spike Summary
General Chemistry Parameters

Sample Name: PW-3
Lab Code: R2202163-018

Units:mg/L
Basis:NA

			Matrix Spike			Duplicate Matrix Spike					
			R2202163-018MS			R2202163-018DMS					
Analyte Name	**Method**	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Nitrate as Nitrogen	300.0	0.2 U	10.2	10.0	102	10.2	10.0	102	90-110	<1	20
Sulfate	300.0	6.8	26.9	20.0	101	27.0	20.0	101	90-110	<1	20
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	1.6	10.8	10.0	92	10.8	10.0	92	48-135	<1	20
Nitrite as Nitrogen	300.0	0.2 U	9.9	10.0	99	10	10.0	100	90-110	<1	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: Broome County Division of Solid Waste Management
Project: Colesville 5th Quarter
Sample Matrix: Drinking Water

Service Request: R2202163
Date Analyzed: 03/11/22 - 03/15/22

Lab Control Sample Summary
General Chemistry Parameters

Units:mg/L
Basis:NA

Lab Control Sample
R2202163-LCS1

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	10.3	10.0	103	80-121
Nitrate as Nitrogen	300.0	0.98	1.00	98	90-110
Nitrite as Nitrogen	300.0	0.97	1.00	97	90-110
Sulfate	300.0	2.04	2.00	102	90-110

Client: Broome County Division of Solid Waste Management
Project: Colesville 5th Quarter
Sample Matrix: Drinking Water

Service Request: R2202163
Date Analyzed: 03/11/22 - 03/16/22

Lab Control Sample Summary
General Chemistry Parameters

Units:mg/L
Basis:NA

Lab Control Sample
R2202163-LCS2

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	10.0	10.0	100	80-121
Nitrate as Nitrogen	300.0	0.99	1.00	99	90-110
Nitrite as Nitrogen	300.0	0.98	1.00	98	90-110
Sulfate	300.0	2.07	2.00	104	90-110

Client: Broome County Division of Solid Waste Management
Project: Colesville 5th Quarter
Sample Matrix: Drinking Water

Service Request: R2202163
Date Analyzed: 03/11/22

Lab Control Sample Summary
General Chemistry Parameters

Units:mg/L
Basis:NA

Lab Control Sample
R2202163-LCS3

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Nitrate as Nitrogen	300.0	0.983	1.00	98	90-110
Nitrite as Nitrogen	300.0	0.970	1.00	97	90-110
Sulfate	300.0	2.01	2.00	100	90-110

March 23, 2022 Service Request No:R2202162

Emily Giordano
Broome County Division of Solid Waste Management
60 Hawley St.
P.O. Box 1766
Binghamton, NY 13902

Laboratory Results for: Colesville Residents

Dear Emily,

Enclosed are the results of the sample(s) submitted to our laboratory March 10, 2022
For your reference, these analyses have been assigned our service request number **R2202162.**

All testing was performed according to our laboratory's quality assurance program and met the requirements of the TNI standards except as noted in the case narrative report. Any testing not included in the lab's accreditation is identified on a Non-Certified Analytes report. All results are intended to be considered in their entirety. ALS Environmental is not responsible for use of less than the complete report. Results apply only to the individual samples submitted to the lab for analysis, as listed in the report. The measurement uncertainty of the results included in this report is within that expected when using the prescribed method(s), and represented by Laboratory Control Sample control limits. Any events, such as QC failures or Holding Time exceedances, which may add to the uncertainty are explained in the report narrative or are flagged with qualifiers. The flags are explained in the Report Qualifiers and Definitions page of this report.

Please contact me if you have any questions. My extension is 7471. You may also contact me via email at Brady.Kalkman@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

Brady Kalkman
Project Manager

CC: Jon Sundquist

ADDRESS 1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
PHONE +1 585 288 5380 | FAX +1 585 288 8475
ALS Group USA, Corp.
dba ALS Environmental

Narrative Documents

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

ALS Environmental

Client: Broome County Division of Solid Waste Management
Project: Colesville Residents
Sample Matrix: Drinking Water

Service Request: R2202162
Date Received: 03/10/2022

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples for the Tier II level requested by the client.

Sample Receipt:

Five drinking water samples were received for analysis at ALS Environmental on 03/10/2022. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

Metals:

No significant anomalies were noted with this analysis.

General Chemistry:

No significant anomalies were noted with this analysis.

Volatiles by GC/MS:

Method 8260C, 03/15/2022: The upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.

Method 8260C, 03/15/2022: The lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.

Field:

Sampling was performed by ALS personnel in accordance with ALS Field Sampling SOPs or by client specifications.

Approved by _____ Date 03/23/2022

SAMPLE DETECTION SUMMARY

CLIENT ID: 22 Centerville Loop	Lab ID: R2202162-002					
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Alkalinity, Total as CaCO3	41.1			2.0	mg/L	SM 2320 B-1997 (2011)
Chloride	24.8			2.0	mg/L	300.0
Color, True	2.0			1.0	ColorUnits	SM 2120 B-2001 (2011)
Conductivity, Field	266				uMHOS/cm	120.1
Hardness, Total as CaCO3	87.7			6.62	mg/L	SM 2340 B-1997 (2011)
Nitrate as Nitrogen	8.30			0.05	mg/L	Calculation
Nitrate+Nitrite as Nitrogen	8.30			0.50	mg/L	353.2
Oxidation-Reduction Potential (ORP), Field	26.0				mV	ASTM D1498-00
pH of Color Analysis	6.36				pH Units	SM 2120 B-2001 (2011)
pH, Field	6.53				pH Units	SM 4500-H+ B
Solids, Total Dissolved (TDS)	155			10	mg/L	SM 2540 C-1997 (2011)
Sulfate	13.0			2.0	mg/L	300.0
Temperature, Field	6.60				deg C	SM 2550 B
Turbidity, Field	1.1				NTU	180.1
Calcium, Total	25700			1000	ug/L	6010C
Magnesium, Total	5700			1000	ug/L	6010C
Sodium, Total	12400			1000	ug/L	6010C

CLIENT ID: 1495 E. Windsor Rd	Lab ID: R2202162-003					
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Alkalinity, Total as CaCO3	133			2.0	mg/L	SM 2320 B-1997 (2011)
Ammonia as Nitrogen, undistilled	0.243			0.050	mg/L	350.1
Biochemical Oxygen Demand (BOD)	4.7			2.0	mg/L	SM 5210 B-2001 (2011)
Bromide	1.6			1.0	mg/L	300.0
Chloride	142			6.0	mg/L	300.0
Color, True	3.0			1.0	ColorUnits	SM 2120 B-2001 (2011)
Conductivity, Field	757				uMHOS/cm	120.1
Hardness, Total as CaCO3	68.3			6.62	mg/L	SM 2340 B-1997 (2011)
Oxidation-Reduction Potential (ORP), Field	-27.0				mV	ASTM D1498-00
pH of Color Analysis	8.22				pH Units	SM 2120 B-2001 (2011)
pH, Field	8.11				pH Units	SM 4500-H+ B
Solids, Total Dissolved (TDS)	375			10	mg/L	SM 2540 C-1997 (2011)
Temperature, Field	11.2				deg C	SM 2550 B
Turbidity, Field	1.3				NTU	180.1
Barium, Total	1330			20	ug/L	6010C

SAMPLE DETECTION SUMMARY

CLIENT ID: 1495 E. Windsor Rd			Lab ID: R2202162-003			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Calcium, Total	21500			1000	ug/L	6010C
Iron, Total	280			100	ug/L	6010C
Magnesium, Total	3600			1000	ug/L	6010C
Manganese, Total	59			10	ug/L	6010C
Sodium, Total	115000			1000	ug/L	6010C
Acetone	6.7	J	5.0	10	ug/L	8260C
Dibromomethane	0.99	J	0.20	5.0	ug/L	8260C

CLIENT ID: 1394 E. Windsor Rd			Lab ID: R2202162-004			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Alkalinity, Total as CaCO3	65.3			2.0	mg/L	SM 2320 B-1997 (2011)
Color, True	2.0			1.0	ColorUnits	SM 2120 B-2001 (2011)
Conductivity, Field	160				uMHOS/cm	120.1
Hardness, Total as CaCO3	56.8			6.62	mg/L	SM 2340 B-1997 (2011)
Oxidation-Reduction Potential (ORP), Field	-54.0				mV	ASTM D1498-00
pH of Color Analysis	7.44				pH Units	SM 2120 B-2001 (2011)
pH, Field	7.47				pH Units	SM 4500-H+ B
Solids, Total Dissolved (TDS)	75			10	mg/L	SM 2540 C-1997 (2011)
Temperature, Field	0.800				deg C	SM 2550 B
Turbidity, Field	0.6				NTU	180.1
Barium, Total	21			20	ug/L	6010C
Calcium, Total	16100			1000	ug/L	6010C
Iron, Total	840			100	ug/L	6010C
Magnesium, Total	4000			1000	ug/L	6010C
Manganese, Total	148			10	ug/L	6010C
Sodium, Total	5000			1000	ug/L	6010C

CLIENT ID: Lee Spring			Lab ID: R2202162-005			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Alkalinity, Total as CaCO3	76.6			2.0	mg/L	SM 2320 B-1997 (2011)
Chloride	10.1			2.0	mg/L	300.0
Color, True	3.0			1.0	ColorUnits	SM 2120 B-2001 (2011)
Conductivity, Field	206				uMHOS/cm	120.1
Hardness, Total as CaCO3	84.0			6.62	mg/L	SM 2340 B-1997 (2011)
Nitrate as Nitrogen	0.369			0.05	mg/L	Calculation
Nitrate+Nitrite as Nitrogen	0.369			0.050	mg/L	353.2
Nitrogen, Total Kjeldahl (TKN)	0.21			0.20	mg/L	351.2

SAMPLE DETECTION SUMMARY

CLIENT ID: Lee Spring	Lab ID: R2202162-005					
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Oxidation-Reduction Potential (ORP), Field	160				mV	ASTM D1498-00
pH of Color Analysis	6.44				pH Units	SM 2120 B-2001 (2011)
pH, Field	6.35				pH Units	SM 4500-H+ B
Solids, Total Dissolved (TDS)	114			10	mg/L	SM 2540 C-1997 (2011)
Sulfate	7.4			2.0	mg/L	300.0
Temperature, Field	9.50				deg C	SM 2550 B
Turbidity, Field	0.7				NTU	180.1
Aluminum, Total	260			100	ug/L	6010C
Calcium, Total	23600			1000	ug/L	6010C
Iron, Total	250			100	ug/L	6010C
Magnesium, Total	6100			1000	ug/L	6010C
Sodium, Total	7700			1000	ug/L	6010C
1,1-Dichloroethane (1,1-DCA)	0.81	J	0.20	5.0	ug/L	8260C
Trichloroethene (TCE)	0.62	J	0.20	5.0	ug/L	8260C
cis-1,2-Dichloroethene	0.35	J	0.23	5.0	ug/L	8260C

Sample Receipt Information

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client: Broome County Division of Solid Waste Management **Service Request:**R2202162
Project: Colesville Residents

SAMPLE CROSS-REFERENCE

SAMPLE #	CLIENT SAMPLE ID	DATE	TIME
R2202162-001	Trip Blank	3/10/2022	1130
R2202162-002	22 Centerville Loop	3/10/2022	1130
R2202162-003	1495 E. Windsor Rd	3/10/2022	1200
R2202162-004	1394 E. Windsor Rd	3/10/2022	1235
R2202162-005	Lee Spring	3/10/2022	1340

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM 062255

1565 Jefferson Road, Building 300, Suite 360 • Rochester, NY 14623 | +1 585 288 5380 +1 585 288 8475 (fax) PAGE 1 OF 1

Project Name: Colesville Residents	Project Number:
Project Manager: Emily Giordano	Report CC:
Company/Address: Broome County LF Knapp Rd Binghamton, NY	
Phone #: 607-778-8000	Email:
Sampler's Signature:	Sampler's Printed Name:

ANALYSIS REQUESTED *(Include Method Number and Container Preservative)*

PRESERVATIVE

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	GC/MS VOAs ○8260 ○624 ○CLP	GC/MS SVOAs ○8270 ○625	GC VOAs ○8021 ○601/602	PESTICIDES ○8081 ○608	PCBs ○8082 ○608	METALS, TOTAL (List in comments below)	METALS, DISSOLVED (List in comments below)	Baseline Part 360							REMARKS/ ALTERNATE DESCRIPTION
Trip Blank		3/10/22	1130	W	3	X														
22 Centerville Loop			1130	W	12								X							33
1495 E. Windsor Rd			1200	W	12								X							34
1394 E Windsor Rd			1235	W	12								X							35
Lee Spring		↓	1340	W	12								X							36

Preservative Key
0. NONE
1. HCl
2. HNO_3
3. H_2SO_4
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
8. Other _____

SPECIAL INSTRUCTIONS/COMMENTS
Metals

Cr +6

See QAPP ☐

STATE WHERE SAMPLES WERE COLLECTED

TURNAROUND REQUIREMENTS
_____ RUSH (SURCHARGES APPLY)
_____ 1 day _____ 2 day _____ 3 day
_____ 4 day _____ 5 day
_____ Standard (10 business days-No Surcharge)

REQUESTED REPORT DATE
_____

REPORT REQUIREMENTS
____ I. Results Only
____ II. Results + QC Summaries (LCS, DUP, MS/MSD as required)
____ III. Results + QC and Calibration Summaries
____ IV. Data Validation Report with Raw Data

Edata ____Yes ____No

INVOICE INFORMATION
PO #
BILL TO:

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature	Signature	Signature	Signature	Signature	Signature
Printed Name: Kyle Lee	Printed Name: Kelsey Foley	Printed Name: Kelsey Foley	Printed Name	Printed Name	Printed Name
Firm: ALS	Firm: ALS	Firm: ALS	Firm: ALS	Firm	Firm
Date/Time: 3/10/22	Date/Time: 3/10/22 1400	Date/Time: 3/10/22 1715	Date/Time: 3/10/22 17:15	Date/Time	Date/Time

R2202162 5
Broome County Division of Solid Waste Managem
Colesville Residents

Distribution: White - Lab Copy; Yellow - Return to Originator

FIELD MONITORING REPORT

PROJECT Colesville 5th Quarter Residents **LAB ID** 33

SAMPLE POINT ID 22 Centerville Loop Rd

PURGE INFORMATION

Well Depth (ft.) _____ Purge Date _____ Purge Method _____

SWL (ft.) _____ Start Time _____ Stop Time _____

Standing Water (ft.) _____ Volume Purged gal. _____ # casings _____

Well Constant (gal/ft.) _____ Observations _____

Well Volume (gal.) _____

SAMPLING INFORMATION

Sample Method Grab

Date 3/10/22 Time 1130 SWL —

Appearance Clear

Weather Conditions Sun 40°

Sampling Technician (Print) Kyle Lee / QK KF Signature _____

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit	6.53	6.53
Myron 6p	Conductivity	µmhos/cm	266	266
Myron 6p	Temperature	Degrees Celsius	6.6	6.6
Myron 6p	Redox	millivolts	26	
Lamotte	Turbidity	NTU	1.1	

Calibration Date/Time 3/10/22 0700

OBSERVATIONS _____

Sampling procedures were performed in accordance with all applicable protocols.

FIELD MONITORING REPORT

PROJECT Colesville 5th Quarter Resident LAB ID 34

SAMPLE POINT ID 1495 East Windsor

PURGE INFORMATION

Well Depth (ft.) _____ Purge Date _____ Purge Method _____

SWL (ft.) _____ Start Time _____ Stop Time _____

Standing Water (ft.) _____ Volume Purged gal. _____ # casings _____

Well Constant (gal/ft.) _____ Observations _____

Well Volume (gal.) _____

SAMPLING INFORMATION

Sample Method Grab

Date 3/10/2022 Time 1200 SWL ———

Appearance Clear

Weather Conditions Sunny 40°

Sampling Technician (Print) Quinton Kolbeck/KF Signature

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit	8.11	8.11
Myron 6p	Conductivity	µmhos/cm	757	756
Myron 6p	Temperature	Degrees Celsius	11.2	11.2
Myron 6p	Redox	millivolts	-27	—
Lamotte	Turbidity	NTU	1.3	—

Calibration Date/Time 3/10/2022 0755

OBSERVATIONS _____

Sampling procedures were performed in accordance with all applicable protocols.

FIELD MONITORING REPORT

PROJECT Colesville 5th Quarter Resident LAB ID 35

SAMPLE POINT ID 1394 East Windsor

PURGE INFORMATION

Well Depth (ft.) _____ Purge Date _____ Purge Method _____

SWL (ft.) _____ Start Time _____ Stop Time _____

Standing Water (ft.) _____ Volume Purged gal. _____ # casings _____

Well Constant (gal/ft.) _____ Observations _____

Well Volume (gal.) _____

SAMPLING INFORMATION

Sample Method Grab

Date 3/10/2022 Time 1235 SWL —

Appearance Clear

Weather Conditions Sunny 40°

Sampling Technician (Print) Quinton Kolbeck / KF Signature

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit	7.47	7.46
Myron 6p	Conductivity	µmhos/cm	159	160
Myron 6p	Temperature	Degrees Celsius	0.8	0.8
Myron 6p	Redox	millivolts	-54	—
Lamotte	Turbidity	NTU	0.6	—

Calibration Date/Time 3 / 10 / 2022 0755

OBSERVATIONS

Sampling procedures were performed in accordance with all applicable protocols.

FIELD MONITORING REPORT

PROJECT Colesville 5th Quarter Residents LAB ID 36

SAMPLE POINT ID Lee Spring

PURGE INFORMATION

Well Depth (ft.) _____ Purge Date _____ Purge Method _____

SWL (ft.) _____ Start Time _____ Stop Time _____

Standing Water (ft.) _____ Volume Purged gal. _____ # casings _____

Well Constant (gal/ft.) _____ Observations _____

Well Volume (gal.) _____

SAMPLING INFORMATION

Sample Method Grab

Date 3/10/22 Time 1340 SWL ____

Appearance Clear w/ suspended plant debris

Weather Conditions P. Cloudy 40°

Sampling Technician (Print) Kyle Lee / KF Signature

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit	6.35	6.35
Myron 6p	Conductivity	µmhos/cm	205	206
Myron 6p	Temperature	Degrees Celsius	9.5	9.5
Myron 6p	Redox	millivolts	160	
Lamotte	Turbidity	NTU	0.7	

Calibration Date/Time 3/10/22 0700

OBSERVATIONS This is the first time sampling this in the last 3-4 years. Beaver Dam has been remade that was flooding the area

Sampling procedures were performed in accordance with all applicable protocols.

Cooler Receipt and Preservation Check For

R2202162 5
Broome County Division of Solid Waste Managem
Colesville Residents

Project/Client Colesville Folder Number

Cooler received on 3/10/22 by: MM

COURIER: (ALS) UPS FEDEX VELOCITY CLIENT

1	Were **Custody seals** on outside of cooler?	Y (N)	5a	**Perchlorate** samples have required headspace?	Y N (NA)
2	**Custody papers** properly completed (ink, signed)?	(Y) N	5b	Did VOA vials, Alk or Sulfide have sig* **bubbles**?	(Y) N NA *
3	Did all bottles arrive in good **condition** (unbroken)?	(Y) N	6	Where did the bottles originate?	(ALS/ROC) CLIENT
4	Circle: (Wet Ice) **Dry Ice Gel packs** present?	(Y) N	7	Soil VOA received as: Bulk Encore 5035set	(NA)

8. Temperature Readings Date: 3/10/22 Time: 17:30 ID: IR#7 (IR#11) From: (Temp Blank) (Sample Bottle)

Observed Temp (°C)	1.5	2.8	3.7	1.8	5.4		
Within 0-6°C?	(Y) N	(Y) N	(Y) N	(Y) N	(Y) N	Y N	Y N
If <0°C, were samples frozen?	Y N	Y N	Y N	Y N	Y N	Y N	Y N

If out of Temperature, note packing/ice condition: _____ Ice melted Poorly Packed (described below) Same Day Rule

&Client Approval to Run Samples: _____ Standing Approval Client aware at drop-off Client notified by: _____

All samples held in storage location: R1002 by MM on 3/10/22 at 17:50
5035 samples placed in storage location: _____ by _____ on _____ at _____ within 48 hours of sampling? Y N

Cooler Breakdown/Preservation Check**: Date: 3/11/22 Time: 12:35 by: PV

9. Were all bottle labels complete (*i.e.* analysis, preservation, etc.)? YES (NO)
10. Did all bottle labels and tags agree with custody papers? YES (NO)
11. Were correct containers used for the tests indicated? (YES) NO
12. Were 5035 vials acceptable (no extra labels, not leaking)? YES NO (N/A)
13. Air Samples: Cassettes / Tubes Intact Y / N with MS Y / N Canisters Pressurized Tedlar® Bags Inflated (N/A)

pH	Lot of test paper	Reagent	Preserved? Yes	Preserved? No	Lot Received	Exp	Sample ID Adjusted	Vol. Added	Lot Added	Final pH
≥12	223320	NaOH	X		214719	04/22				
≤2	↓	HNO_3	X		112081	04/22				
≤2		H_2SO_4	X		L120-10	04/22				
<4		$NaHSO_4$								
5-9		For 608pest			No=Notify for 3day					
Residual Chlorine (-)		For CN, Phenol, 625, 608pest, 522			If +, contact PM to add $Na_2S_2O_3$ (625, 608, CN), ascorbic (phenol).					
		$Na_2S_2O_3$								
		ZnAcetate	-	-			**VOAs and 1664 Not to be tested before analysis. Otherwise, all bottles of all samples with chemical preservatives are checked (not just representatives).			
		HCl	**	**	No lot info					

Bottle lot numbers: 2621, 21-12-14, 111521-2AAV, 80346-L2769,
Explain all Discrepancies/ Other Comments:

* Trip blank 1 vial, trip blank 1 vial, colesville 064 1 vial, trip blank 1 vial, Colesville res 034 alk, trip blank 1 vial, colesville res 034 1 vial sig headspace.
H_2SO_4 lot for Phenol TOC: 231834 exp 04/24

HPROD	BULK
HTR	FLDT
SUB	HGFB
ALS	LL3541

Labels secondary reviewed by: ME
PC Secondary Review: _____

*significant air bubbles: VOA > 5-6 mm : WC >1 in. diameter

Miscellaneous Forms

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

REPORT QUALIFIERS AND DEFINITIONS

U Analyte was analyzed for but not detected. The sample quantitation limit has been corrected for dilution and for percent moisture, unless otherwise noted in the case narrative.

J Estimated value due to either being a Tentatively Identified Compound (TIC) or that the concentration is between the MRL and the MDL. Concentrations are not verified within the linear range of the calibration. For DoD: concentration >40% difference between two GC columns (pesticides/Arclors).

B Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.

E Inorganics- Concentration is estimated due to the serial dilution was outside control limits.

E Organics- Concentration has exceeded the calibration range for that specific analysis.

D Concentration is a result of a dilution, typically a secondary analysis of the sample due to exceeding the calibration range or that a surrogate has been diluted out of the sample and cannot be assessed.

* Indicates that a quality control parameter has exceeded laboratory limits. Under the "Notes" column of the Form I, this qualifier denotes analysis was performed out of Holding Time.

H Analysis was performed out of hold time for tests that have an "immediate" hold time criteria.

Spike was diluted out.

+ Correlation coefficient for MSA is <0.995.

N Inorganics- Matrix spike recovery was outside laboratory limits.

N Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.

S Concentration has been determined using Method of Standard Additions (MSA).

W Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.

P Concentration >40% difference between the two GC columns.

C Confirmed by GC/MS

Q DoD reports: indicates a pesticide/Aroclor is not confirmed (≥100% Difference between two GC columns).

X See Case Narrative for discussion.

MRL Method Reporting Limit. Also known as:
LOQ Limit of Quantitation (LOQ)
The lowest concentration at which the method analyte may be reliably quantified under the method conditions.

MDL Method Detection Limit. A statistical value derived from a study designed to provide the lowest concentration that will be detected 99% of the time. Values between the MDL and MRL are estimated (see J qualifier).

LOD Limit of Detection. A value at or above the MDL which has been verified to be detectable.

ND Non-Detect. Analyte was not detected at the concentration listed. Same as U qualifier.

Rochester Lab ID # for State Accreditations[1]

NELAP States
Florida ID # E87674
New Hampshire ID # 2941
New York ID # 10145
Pennsylvania ID# 68-786
Virginia #460167

Non-NELAP States
Connecticut ID #PH0556
Delaware Approved
Maine ID #NY01587
North Carolina #36701
North Carolina #676
Rhode Island LAO00333

[1] Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state or agency requirements. The test results meet requirements of the current NELAP/TNI standards or state or agency requirements, where applicable, except as noted in the case narrative. Since not all analyte/method/matrix combinations are offered for state/NELAC accreditation, this report may contain results which are not accredited. For a specific list of accredited analytes, contact the laboratory or go to https://www.alsglobal.com/locations/americas/north-america/usa/new-york/rochester-environmental

ALS Laboratory Group

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

Client: Broome County Division of Solid Waste Management **Service Request:** R2202162
Project: Colesville Residents

Non-Certified Analytes

Certifying Agency: New York Department of Health

Method	Matrix	Analyte
120.1	Drinking Water	Conductivity, Field
180.1	Drinking Water	Turbidity, Field
350.1	Drinking Water	Ammonia as Nitrogen, undistilled
351.2	Drinking Water	Nitrogen, Total Kjeldahl (TKN)
410.4	Drinking Water	Chemical Oxygen Demand, Total
6010C	Drinking Water	Aluminum, Total
6010C	Drinking Water	Antimony, Total
6010C	Drinking Water	Arsenic, Total
6010C	Drinking Water	Barium, Total
6010C	Drinking Water	Beryllium, Total
6010C	Drinking Water	Boron, Total
6010C	Drinking Water	Cadmium, Total
6010C	Drinking Water	Calcium, Total
6010C	Drinking Water	Chromium, Total
6010C	Drinking Water	Cobalt, Total
6010C	Drinking Water	Copper, Total
6010C	Drinking Water	Iron, Total
6010C	Drinking Water	Lead, Total
6010C	Drinking Water	Magnesium, Total
6010C	Drinking Water	Manganese, Total
6010C	Drinking Water	Nickel, Total
6010C	Drinking Water	Potassium, Total
6010C	Drinking Water	Selenium, Total
6010C	Drinking Water	Silver, Total
6010C	Drinking Water	Sodium, Total
6010C	Drinking Water	Thallium, Total
6010C	Drinking Water	Vanadium, Total
6010C	Drinking Water	Zinc, Total
7196A	Drinking Water	Chromium, Hexavalent
7470A	Drinking Water	Mercury, Total
8260C	Drinking Water	1,1,1,2-Tetrachloroethane
8260C	Drinking Water	1,1,1-Trichloroethane (TCA)
8260C	Drinking Water	1,1,2,2-Tetrachloroethane
8260C	Drinking Water	1,1,2-Trichloroethane
8260C	Drinking Water	1,1-Dichloroethane (1,1-DCA)
8260C	Drinking Water	1,1-Dichloroethene (1,1-DCE)
8260C	Drinking Water	1,2,3-Trichloropropane
8260C	Drinking Water	1,2-Dibromo-3-chloropropane (DBCP)
8260C	Drinking Water	1,2-Dibromoethane
8260C	Drinking Water	1,2-Dichlorobenzene
8260C	Drinking Water	1,2-Dichloroethane
8260C	Drinking Water	1,2-Dichloropropane
8260C	Drinking Water	1,4-Dichlorobenzene
8260C	Drinking Water	2-Butanone (MEK)
8260C	Drinking Water	2-Hexanone
8260C	Drinking Water	4-Methyl-2-pentanone
8260C	Drinking Water	Acetone

Client: Broome County Division of Solid Waste Management **Service Request:** R2202162
Project: Colesville Residents

Non-Certified Analytes

Certifying Agency: New York Department of Health

Method	Matrix	Analyte
8260C	Drinking Water	Acrylonitrile
8260C	Drinking Water	Benzene
8260C	Drinking Water	Bromochloromethane
8260C	Drinking Water	Bromodichloromethane
8260C	Drinking Water	Bromoform
8260C	Drinking Water	Bromomethane
8260C	Drinking Water	Carbon Disulfide
8260C	Drinking Water	Carbon Tetrachloride
8260C	Drinking Water	Chlorobenzene
8260C	Drinking Water	Chloroethane
8260C	Drinking Water	Chloroform
8260C	Drinking Water	Chloromethane
8260C	Drinking Water	Dibromochloromethane
8260C	Drinking Water	Dibromomethane
8260C	Drinking Water	Ethylbenzene
8260C	Drinking Water	Iodomethane
8260C	Drinking Water	Methylene Chloride
8260C	Drinking Water	Styrene
8260C	Drinking Water	Tetrachloroethene (PCE)
8260C	Drinking Water	Toluene
8260C	Drinking Water	Trichloroethene (TCE)
8260C	Drinking Water	Trichlorofluoromethane (CFC 11)
8260C	Drinking Water	Vinyl Acetate
8260C	Drinking Water	Vinyl Chloride
8260C	Drinking Water	cis-1,2-Dichloroethene
8260C	Drinking Water	cis-1,3-Dichloropropene
8260C	Drinking Water	m,p-Xylenes
8260C	Drinking Water	o-Xylene
8260C	Drinking Water	trans-1,2-Dichloroethene
8260C	Drinking Water	trans-1,3-Dichloropropene
8260C	Drinking Water	trans-1,4-Dichloro-2-butene
9066	Drinking Water	Phenolics, Total Recoverable
ASTM D1498-00	Drinking Water	Oxidation-Reduction Potential (ORP), Field
SM 2340 B-1997(2011)	Drinking Water	Hardness, Total as CaCO3
SM 2550 B	Drinking Water	Temperature, Field
SM 4500-H+ B	Drinking Water	pH, Field
SM 5210 B-2001(2011)	Drinking Water	Biochemical Oxygen Demand (BOD)

Client: Broome County Division of Solid Waste Management **Service Request:** R2202162
Project: Colesville Residents/

Sample Name: Trip Blank **Date Collected:** 03/10/22
Lab Code: R2202162-001 **Date Received:** 03/10/22
Sample Matrix: Drinking Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Sample Name: 22 Centerville Loop **Date Collected:** 03/10/22
Lab Code: R2202162-002 **Date Received:** 03/10/22
Sample Matrix: Drinking Water

Analysis Method	Extracted/Digested By	Analyzed By
120.1		JJANSON
180.1		JJANSON
300.0		SMORGAN
350.1		SMEDBURY
351.2	GNITAJOUPPI	GNITAJOUPPI
353.2		SMEDBURY
353.2		MROGERSON
410.4		SMEDBURY
6010C	BDIAMOND	KMCLAEN
7196A		SMEDBURY
7470A	BDIAMOND	BDIAMOND
8260C		KRUEST
9066		BBOWE
ASTM D1498-00		JJANSON
Kelada-01		CWOODS
SM 2120 B-2001(2011)		KAWONG
SM 2320 B-1997(2011)		KAWONG
SM 2540 C-1997(2011)		CLOI
SM 2550 B		JJANSON
SM 4500-H+ B		JJANSON
SM 5210 B-2001(2011)		STALARICO
SM 5310 C-2000(2011)		SMORGAN

Client: Broome County Division of Solid Waste Management **Service Request:** R2202162
Project: Colesville Residents/

Sample Name: 1495 E. Windsor Rd **Date Collected:** 03/10/22
Lab Code: R2202162-003 **Date Received:** 03/10/22
Sample Matrix: Drinking Water

Analysis Method	Extracted/Digested By	Analyzed By
120.1		JJANSON
180.1		JJANSON
300.0		SMORGAN
350.1		SMEDBURY
351.2	GNITAJOUPPI	GNITAJOUPPI
353.2		SMEDBURY
353.2		MROGERSON
410.4		SMEDBURY
6010C	BDIAMOND	KMCLAEN
7196A		SMEDBURY
7470A	BDIAMOND	BDIAMOND
8260C		KRUEST
9066		BBOWE
ASTM D1498-00		JJANSON
Kelada-01		CWOODS
SM 2120 B-2001(2011)		KAWONG
SM 2320 B-1997(2011)		KAWONG
SM 2540 C-1997(2011)		KAWONG
SM 2550 B		JJANSON
SM 4500-H+ B		JJANSON
SM 5210 B-2001(2011)		STALARICO
SM 5310 C-2000(2011)		SMORGAN

Sample Name: 1394 E. Windsor Rd **Date Collected:** 03/10/22
Lab Code: R2202162-004 **Date Received:** 03/10/22
Sample Matrix: Drinking Water

Analysis Method	Extracted/Digested By	Analyzed By
120.1		JJANSON
180.1		JJANSON
300.0		SMORGAN
350.1		SMEDBURY
351.2	GNITAJOUPPI	GNITAJOUPPI
353.2		SMEDBURY

Client: Broome County Division of Solid Waste Management **Service Request:** R2202162
Project: Colesville Residents/

Sample Name: 1394 E. Windsor Rd **Date Collected:** 03/10/22
Lab Code: R2202162-004 **Date Received:** 03/10/22
Sample Matrix: Drinking Water

Analysis Method	Extracted/Digested By	Analyzed By
353.2		MROGERSON
410.4		SMEDBURY
6010C	BDIAMOND	KMCLAEN
7196A		SMEDBURY
7470A	BDIAMOND	BDIAMOND
8260C		KRUEST
9066		BBOWE
ASTM D1498-00		JJANSON
Kelada-01		CWOODS
SM 2120 B-2001(2011)		KAWONG
SM 2320 B-1997(2011)		KAWONG
SM 2540 C-1997(2011)		KAWONG
SM 2550 B		JJANSON
SM 4500-H+ B		JJANSON
SM 5210 B-2001(2011)		STALARICO
SM 5310 C-2000(2011)		SMORGAN

Sample Name: Lee Spring **Date Collected:** 03/10/22
Lab Code: R2202162-005 **Date Received:** 03/10/22
Sample Matrix: Drinking Water

Analysis Method	Extracted/Digested By	Analyzed By
120.1		JJANSON
180.1		JJANSON
300.0		SMORGAN
350.1		SMEDBURY
351.2	GNITAJOUPPI	GNITAJOUPPI
353.2		MROGERSON
353.2		SMEDBURY
410.4		SMEDBURY
6010C	BDIAMOND	KMCLAEN
7196A		SMEDBURY
7470A	BDIAMOND	BDIAMOND
8260C		KRUEST

Analyst Summary report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202162
Project:	Colesville Residents/		

Sample Name:	Lee Spring	**Date Collected:**	03/10/22
Lab Code:	R2202162-005	**Date Received:**	03/10/22
Sample Matrix:	Drinking Water		

Analysis Method	Extracted/Digested By	Analyzed By
9066		BBOWE
ASTM D1498-00		JJANSON
Kelada-01		CWOODS
SM 2120 B-2001(2011)		KAWONG
SM 2320 B-1997(2011)		KAWONG
SM 2540 C-1997(2011)		KAWONG
SM 2550 B		JJANSON
SM 4500-H+ B		JJANSON
SM 5210 B-2001(2011)		STALARICO
SM 5310 C-2000(2011)		SMORGAN

The preparation methods associated with this report are found in these tables unless discussed in the case narrative.

Water/Liquid Matrix

Analytical Method	Preparation Method
200.7	200.2
200.8	200.2
6010C	3005A/3010A
6020A	ILM05.3
9034 Sulfide Acid Soluble	9030B
SM 4500-CN-E Residual Cyanide	SM 4500-CN-G
SM 4500-CN-E WAD Cyanide	SM 4500-CN-I

Solid/Soil/Non-Aqueous Matrix

Analytical Method	Preparation Method
6010C	3050B
6020A	3050B
6010C TCLP (1311) extract	3005A/3010A
6010 SPLP (1312) extract	3005A/3010A
7199	3060A
300.0 Anions/ 350.1/ 353.2/ SM 2320B/ SM 5210B/ 9056A Anions	DI extraction
For analytical methods not listed, the preparation method is the same as the analytical method reference.	

Sample Results

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Volatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202162
Project:	Colesville Residents	**Date Collected:**	03/10/22 11:30
Sample Matrix:	Drinking Water	**Date Received:**	03/10/22 17:15
Sample Name:	Trip Blank	**Units:**	ug/L
Lab Code:	R2202162-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.20 U	5.0	0.20	1	03/15/22 05:50	
1,1,1-Trichloroethane (TCA)	0.20 U	5.0	0.20	1	03/15/22 05:50	
1,1,2,2-Tetrachloroethane	0.20 U	5.0	0.20	1	03/15/22 05:50	
1,1,2-Trichloroethane	0.20 U	5.0	0.20	1	03/15/22 05:50	
1,1-Dichloroethane (1,1-DCA)	0.20 U	5.0	0.20	1	03/15/22 05:50	
1,1-Dichloroethene (1,1-DCE)	0.20 U	5.0	0.20	1	03/15/22 05:50	
1,2,3-Trichloropropane	0.26 U	5.0	0.26	1	03/15/22 05:50	
1,2-Dibromo-3-chloropropane (DBCP)	0.45 U	5.0	0.45	1	03/15/22 05:50	
1,2-Dibromoethane	0.20 U	5.0	0.20	1	03/15/22 05:50	
1,2-Dichlorobenzene	0.20 U	5.0	0.20	1	03/15/22 05:50	
1,2-Dichloroethane	0.20 U	5.0	0.20	1	03/15/22 05:50	
1,2-Dichloropropane	0.20 U	5.0	0.20	1	03/15/22 05:50	
1,4-Dichlorobenzene	0.20 U	5.0	0.20	1	03/15/22 05:50	
2-Butanone (MEK)	0.78 U	10	0.78	1	03/15/22 05:50	
2-Hexanone	0.20 U	10	0.20	1	03/15/22 05:50	
4-Methyl-2-pentanone	0.20 U	10	0.20	1	03/15/22 05:50	
Acetone	5.0 U	10	5.0	1	03/15/22 05:50	
Acrylonitrile	0.90 U	100	0.90	1	03/15/22 05:50	
Benzene	0.20 U	5.0	0.20	1	03/15/22 05:50	
Bromochloromethane	0.20 U	5.0	0.20	1	03/15/22 05:50	
Bromodichloromethane	0.20 U	5.0	0.20	1	03/15/22 05:50	
Bromoform	0.25 U	5.0	0.25	1	03/15/22 05:50	
Bromomethane	0.70 U	5.0	0.70	1	03/15/22 05:50	
Carbon Disulfide	0.42 U	10	0.42	1	03/15/22 05:50	
Carbon Tetrachloride	0.34 U	5.0	0.34	1	03/15/22 05:50	
Chlorobenzene	0.20 U	5.0	0.20	1	03/15/22 05:50	
Chloroethane	0.23 U	5.0	0.23	1	03/15/22 05:50	
Chloroform	0.24 U	5.0	0.24	1	03/15/22 05:50	
Chloromethane	0.28 U	5.0	0.28	1	03/15/22 05:50	
Dibromochloromethane	0.20 U	5.0	0.20	1	03/15/22 05:50	
Dibromomethane	0.20 U	5.0	0.20	1	03/15/22 05:50	
Methylene Chloride	0.65 U	5.0	0.65	1	03/15/22 05:50	
Ethylbenzene	0.20 U	5.0	0.20	1	03/15/22 05:50	
Iodomethane	4.3 U	10	4.3	1	03/15/22 05:50	
Styrene	0.20 U	5.0	0.20	1	03/15/22 05:50	
Tetrachloroethene (PCE)	0.21 U	5.0	0.21	1	03/15/22 05:50	
Toluene	0.20 U	5.0	0.20	1	03/15/22 05:50	
Trichloroethene (TCE)	0.20 U	5.0	0.20	1	03/15/22 05:50	
Trichlorofluoromethane (CFC 11)	0.24 U	5.0	0.24	1	03/15/22 05:50	
Vinyl Acetate	1.1 U	10	1.1	1	03/15/22 05:50	
Vinyl Chloride	0.20 U	5.0	0.20	1	03/15/22 05:50	
cis-1,2-Dichloroethene	0.23 U	5.0	0.23	1	03/15/22 05:50	
cis-1,3-Dichloropropene	0.20 U	5.0	0.20	1	03/15/22 05:50	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202162
Project:	Colesville Residents	**Date Collected:**	03/10/22 11:30
Sample Matrix:	Drinking Water	**Date Received:**	03/10/22 17:15
Sample Name:	Trip Blank	**Units:**	ug/L
Lab Code:	R2202162-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
m,p-Xylenes	0.20 U	5.0	0.20	1	03/15/22 05:50	
o-Xylene	0.20 U	5.0	0.20	1	03/15/22 05:50	
trans-1,2-Dichloroethene	0.20 U	5.0	0.20	1	03/15/22 05:50	
trans-1,3-Dichloropropene	0.23 U	5.0	0.23	1	03/15/22 05:50	
trans-1,4-Dichloro-2-butene	0.78 U	5.0	0.78	1	03/15/22 05:50	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	92	85 - 122	03/15/22 05:50	
Dibromofluoromethane	92	80 - 116	03/15/22 05:50	
Toluene-d8	95	87 - 121	03/15/22 05:50	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202162
Project:	Colesville Residents	**Date Collected:**	03/10/22 11:30
Sample Matrix:	Drinking Water	**Date Received:**	03/10/22 17:15
Sample Name:	22 Centerville Loop	**Units:**	ug/L
Lab Code:	R2202162-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.20 U	5.0	0.20	1	03/15/22 06:12	
1,1,1-Trichloroethane (TCA)	0.20 U	5.0	0.20	1	03/15/22 06:12	
1,1,2,2-Tetrachloroethane	0.20 U	5.0	0.20	1	03/15/22 06:12	
1,1,2-Trichloroethane	0.20 U	5.0	0.20	1	03/15/22 06:12	
1,1-Dichloroethane (1,1-DCA)	0.20 U	5.0	0.20	1	03/15/22 06:12	
1,1-Dichloroethene (1,1-DCE)	0.20 U	5.0	0.20	1	03/15/22 06:12	
1,2,3-Trichloropropane	0.26 U	5.0	0.26	1	03/15/22 06:12	
1,2-Dibromo-3-chloropropane (DBCP)	0.45 U	5.0	0.45	1	03/15/22 06:12	
1,2-Dibromoethane	0.20 U	5.0	0.20	1	03/15/22 06:12	
1,2-Dichlorobenzene	0.20 U	5.0	0.20	1	03/15/22 06:12	
1,2-Dichloroethane	0.20 U	5.0	0.20	1	03/15/22 06:12	
1,2-Dichloropropane	0.20 U	5.0	0.20	1	03/15/22 06:12	
1,4-Dichlorobenzene	0.20 U	5.0	0.20	1	03/15/22 06:12	
2-Butanone (MEK)	0.78 U	10	0.78	1	03/15/22 06:12	
2-Hexanone	0.20 U	10	0.20	1	03/15/22 06:12	
4-Methyl-2-pentanone	0.20 U	10	0.20	1	03/15/22 06:12	
Acetone	5.0 U	10	5.0	1	03/15/22 06:12	
Acrylonitrile	0.90 U	100	0.90	1	03/15/22 06:12	
Benzene	0.20 U	5.0	0.20	1	03/15/22 06:12	
Bromochloromethane	0.20 U	5.0	0.20	1	03/15/22 06:12	
Bromodichloromethane	0.20 U	5.0	0.20	1	03/15/22 06:12	
Bromoform	0.25 U	5.0	0.25	1	03/15/22 06:12	
Bromomethane	0.70 U	5.0	0.70	1	03/15/22 06:12	
Carbon Disulfide	0.42 U	10	0.42	1	03/15/22 06:12	
Carbon Tetrachloride	0.34 U	5.0	0.34	1	03/15/22 06:12	
Chlorobenzene	0.20 U	5.0	0.20	1	03/15/22 06:12	
Chloroethane	0.23 U	5.0	0.23	1	03/15/22 06:12	
Chloroform	0.24 U	5.0	0.24	1	03/15/22 06:12	
Chloromethane	0.28 U	5.0	0.28	1	03/15/22 06:12	
Dibromochloromethane	0.20 U	5.0	0.20	1	03/15/22 06:12	
Dibromomethane	0.20 U	5.0	0.20	1	03/15/22 06:12	
Methylene Chloride	0.65 U	5.0	0.65	1	03/15/22 06:12	
Ethylbenzene	0.20 U	5.0	0.20	1	03/15/22 06:12	
Iodomethane	4.3 U	10	4.3	1	03/15/22 06:12	
Styrene	0.20 U	5.0	0.20	1	03/15/22 06:12	
Tetrachloroethene (PCE)	0.21 U	5.0	0.21	1	03/15/22 06:12	
Toluene	0.20 U	5.0	0.20	1	03/15/22 06:12	
Trichloroethene (TCE)	0.20 U	5.0	0.20	1	03/15/22 06:12	
Trichlorofluoromethane (CFC 11)	0.24 U	5.0	0.24	1	03/15/22 06:12	
Vinyl Acetate	1.1 U	10	1.1	1	03/15/22 06:12	
Vinyl Chloride	0.20 U	5.0	0.20	1	03/15/22 06:12	
cis-1,2-Dichloroethene	0.23 U	5.0	0.23	1	03/15/22 06:12	
cis-1,3-Dichloropropene	0.20 U	5.0	0.20	1	03/15/22 06:12	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202162
Project:	Colesville Residents	**Date Collected:**	03/10/22 11:30
Sample Matrix:	Drinking Water	**Date Received:**	03/10/22 17:15
Sample Name:	22 Centerville Loop	**Units:**	ug/L
Lab Code:	R2202162-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
m,p-Xylenes	0.20 U	5.0	0.20	1	03/15/22 06:12	
o-Xylene	0.20 U	5.0	0.20	1	03/15/22 06:12	
trans-1,2-Dichloroethene	0.20 U	5.0	0.20	1	03/15/22 06:12	
trans-1,3-Dichloropropene	0.23 U	5.0	0.23	1	03/15/22 06:12	
trans-1,4-Dichloro-2-butene	0.78 U	5.0	0.78	1	03/15/22 06:12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	95	85 - 122	03/15/22 06:12	
Dibromofluoromethane	94	80 - 116	03/15/22 06:12	
Toluene-d8	95	87 - 121	03/15/22 06:12	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202162
Project:	Colesville Residents	**Date Collected:**	03/10/22 12:00
Sample Matrix:	Drinking Water	**Date Received:**	03/10/22 17:15
Sample Name:	1495 E. Windsor Rd	**Units:**	ug/L
Lab Code:	R2202162-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.20 U	5.0	0.20	1	03/15/22 06:34	
1,1,1-Trichloroethane (TCA)	0.20 U	5.0	0.20	1	03/15/22 06:34	
1,1,2,2-Tetrachloroethane	0.20 U	5.0	0.20	1	03/15/22 06:34	
1,1,2-Trichloroethane	0.20 U	5.0	0.20	1	03/15/22 06:34	
1,1-Dichloroethane (1,1-DCA)	0.20 U	5.0	0.20	1	03/15/22 06:34	
1,1-Dichloroethene (1,1-DCE)	0.20 U	5.0	0.20	1	03/15/22 06:34	
1,2,3-Trichloropropane	0.26 U	5.0	0.26	1	03/15/22 06:34	
1,2-Dibromo-3-chloropropane (DBCP)	0.45 U	5.0	0.45	1	03/15/22 06:34	
1,2-Dibromoethane	0.20 U	5.0	0.20	1	03/15/22 06:34	
1,2-Dichlorobenzene	0.20 U	5.0	0.20	1	03/15/22 06:34	
1,2-Dichloroethane	0.20 U	5.0	0.20	1	03/15/22 06:34	
1,2-Dichloropropane	0.20 U	5.0	0.20	1	03/15/22 06:34	
1,4-Dichlorobenzene	0.20 U	5.0	0.20	1	03/15/22 06:34	
2-Butanone (MEK)	0.78 U	10	0.78	1	03/15/22 06:34	
2-Hexanone	0.20 U	10	0.20	1	03/15/22 06:34	
4-Methyl-2-pentanone	0.20 U	10	0.20	1	03/15/22 06:34	
Acetone	**6.7 J**	10	5.0	1	03/15/22 06:34	
Acrylonitrile	0.90 U	100	0.90	1	03/15/22 06:34	
Benzene	0.20 U	5.0	0.20	1	03/15/22 06:34	
Bromochloromethane	0.20 U	5.0	0.20	1	03/15/22 06:34	
Bromodichloromethane	0.20 U	5.0	0.20	1	03/15/22 06:34	
Bromoform	0.25 U	5.0	0.25	1	03/15/22 06:34	
Bromomethane	0.70 U	5.0	0.70	1	03/15/22 06:34	
Carbon Disulfide	0.42 U	10	0.42	1	03/15/22 06:34	
Carbon Tetrachloride	0.34 U	5.0	0.34	1	03/15/22 06:34	
Chlorobenzene	0.20 U	5.0	0.20	1	03/15/22 06:34	
Chloroethane	0.23 U	5.0	0.23	1	03/15/22 06:34	
Chloroform	0.24 U	5.0	0.24	1	03/15/22 06:34	
Chloromethane	0.28 U	5.0	0.28	1	03/15/22 06:34	
Dibromochloromethane	0.20 U	5.0	0.20	1	03/15/22 06:34	
Dibromomethane	**0.99 J**	5.0	0.20	1	03/15/22 06:34	
Methylene Chloride	0.65 U	5.0	0.65	1	03/15/22 06:34	
Ethylbenzene	0.20 U	5.0	0.20	1	03/15/22 06:34	
Iodomethane	4.3 U	10	4.3	1	03/15/22 06:34	
Styrene	0.20 U	5.0	0.20	1	03/15/22 06:34	
Tetrachloroethene (PCE)	0.21 U	5.0	0.21	1	03/15/22 06:34	
Toluene	0.20 U	5.0	0.20	1	03/15/22 06:34	
Trichloroethene (TCE)	0.20 U	5.0	0.20	1	03/15/22 06:34	
Trichlorofluoromethane (CFC 11)	0.24 U	5.0	0.24	1	03/15/22 06:34	
Vinyl Acetate	1.1 U	10	1.1	1	03/15/22 06:34	
Vinyl Chloride	0.20 U	5.0	0.20	1	03/15/22 06:34	
cis-1,2-Dichloroethene	0.23 U	5.0	0.23	1	03/15/22 06:34	
cis-1,3-Dichloropropene	0.20 U	5.0	0.20	1	03/15/22 06:34	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202162
Project:	Colesville Residents	**Date Collected:**	03/10/22 12:00
Sample Matrix:	Drinking Water	**Date Received:**	03/10/22 17:15
Sample Name:	1495 E. Windsor Rd	**Units:**	ug/L
Lab Code:	R2202162-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
m,p-Xylenes	0.20 U	5.0	0.20	1	03/15/22 06:34	
o-Xylene	0.20 U	5.0	0.20	1	03/15/22 06:34	
trans-1,2-Dichloroethene	0.20 U	5.0	0.20	1	03/15/22 06:34	
trans-1,3-Dichloropropene	0.23 U	5.0	0.23	1	03/15/22 06:34	
trans-1,4-Dichloro-2-butene	0.78 U	5.0	0.78	1	03/15/22 06:34	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	89	85 - 122	03/15/22 06:34	
Dibromofluoromethane	92	80 - 116	03/15/22 06:34	
Toluene-d8	95	87 - 121	03/15/22 06:34	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202162
Project:	Colesville Residents	**Date Collected:**	03/10/22 12:35
Sample Matrix:	Drinking Water	**Date Received:**	03/10/22 17:15
Sample Name:	1394 E. Windsor Rd	**Units:**	ug/L
Lab Code:	R2202162-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.20 U	5.0	0.20	1	03/15/22 06:56	
1,1,1-Trichloroethane (TCA)	0.20 U	5.0	0.20	1	03/15/22 06:56	
1,1,2,2-Tetrachloroethane	0.20 U	5.0	0.20	1	03/15/22 06:56	
1,1,2-Trichloroethane	0.20 U	5.0	0.20	1	03/15/22 06:56	
1,1-Dichloroethane (1,1-DCA)	0.20 U	5.0	0.20	1	03/15/22 06:56	
1,1-Dichloroethene (1,1-DCE)	0.20 U	5.0	0.20	1	03/15/22 06:56	
1,2,3-Trichloropropane	0.26 U	5.0	0.26	1	03/15/22 06:56	
1,2-Dibromo-3-chloropropane (DBCP)	0.45 U	5.0	0.45	1	03/15/22 06:56	
1,2-Dibromoethane	0.20 U	5.0	0.20	1	03/15/22 06:56	
1,2-Dichlorobenzene	0.20 U	5.0	0.20	1	03/15/22 06:56	
1,2-Dichloroethane	0.20 U	5.0	0.20	1	03/15/22 06:56	
1,2-Dichloropropane	0.20 U	5.0	0.20	1	03/15/22 06:56	
1,4-Dichlorobenzene	0.20 U	5.0	0.20	1	03/15/22 06:56	
2-Butanone (MEK)	0.78 U	10	0.78	1	03/15/22 06:56	
2-Hexanone	0.20 U	10	0.20	1	03/15/22 06:56	
4-Methyl-2-pentanone	0.20 U	10	0.20	1	03/15/22 06:56	
Acetone	5.0 U	10	5.0	1	03/15/22 06:56	
Acrylonitrile	0.90 U	100	0.90	1	03/15/22 06:56	
Benzene	0.20 U	5.0	0.20	1	03/15/22 06:56	
Bromochloromethane	0.20 U	5.0	0.20	1	03/15/22 06:56	
Bromodichloromethane	0.20 U	5.0	0.20	1	03/15/22 06:56	
Bromoform	0.25 U	5.0	0.25	1	03/15/22 06:56	
Bromomethane	0.70 U	5.0	0.70	1	03/15/22 06:56	
Carbon Disulfide	0.42 U	10	0.42	1	03/15/22 06:56	
Carbon Tetrachloride	0.34 U	5.0	0.34	1	03/15/22 06:56	
Chlorobenzene	0.20 U	5.0	0.20	1	03/15/22 06:56	
Chloroethane	0.23 U	5.0	0.23	1	03/15/22 06:56	
Chloroform	0.24 U	5.0	0.24	1	03/15/22 06:56	
Chloromethane	0.28 U	5.0	0.28	1	03/15/22 06:56	
Dibromochloromethane	0.20 U	5.0	0.20	1	03/15/22 06:56	
Dibromomethane	0.20 U	5.0	0.20	1	03/15/22 06:56	
Methylene Chloride	0.65 U	5.0	0.65	1	03/15/22 06:56	
Ethylbenzene	0.20 U	5.0	0.20	1	03/15/22 06:56	
Iodomethane	4.3 U	10	4.3	1	03/15/22 06:56	
Styrene	0.20 U	5.0	0.20	1	03/15/22 06:56	
Tetrachloroethene (PCE)	0.21 U	5.0	0.21	1	03/15/22 06:56	
Toluene	0.20 U	5.0	0.20	1	03/15/22 06:56	
Trichloroethene (TCE)	0.20 U	5.0	0.20	1	03/15/22 06:56	
Trichlorofluoromethane (CFC 11)	0.24 U	5.0	0.24	1	03/15/22 06:56	
Vinyl Acetate	1.1 U	10	1.1	1	03/15/22 06:56	
Vinyl Chloride	0.20 U	5.0	0.20	1	03/15/22 06:56	
cis-1,2-Dichloroethene	0.23 U	5.0	0.23	1	03/15/22 06:56	
cis-1,3-Dichloropropene	0.20 U	5.0	0.20	1	03/15/22 06:56	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202162
Project:	Colesville Residents	**Date Collected:**	03/10/22 12:35
Sample Matrix:	Drinking Water	**Date Received:**	03/10/22 17:15
Sample Name:	1394 E. Windsor Rd	**Units:**	ug/L
Lab Code:	R2202162-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
m,p-Xylenes	0.20 U	5.0	0.20	1	03/15/22 06:56	
o-Xylene	0.20 U	5.0	0.20	1	03/15/22 06:56	
trans-1,2-Dichloroethene	0.20 U	5.0	0.20	1	03/15/22 06:56	
trans-1,3-Dichloropropene	0.23 U	5.0	0.23	1	03/15/22 06:56	
trans-1,4-Dichloro-2-butene	0.78 U	5.0	0.78	1	03/15/22 06:56	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	90	85 - 122	03/15/22 06:56	
Dibromofluoromethane	99	80 - 116	03/15/22 06:56	
Toluene-d8	94	87 - 121	03/15/22 06:56	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202162
Project:	Colesville Residents	**Date Collected:**	03/10/22 13:40
Sample Matrix:	Drinking Water	**Date Received:**	03/10/22 17:15
Sample Name:	Lee Spring	**Units:**	ug/L
Lab Code:	R2202162-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.20 U	5.0	0.20	1	03/15/22 07:18	
1,1,1-Trichloroethane (TCA)	0.20 U	5.0	0.20	1	03/15/22 07:18	
1,1,2,2-Tetrachloroethane	0.20 U	5.0	0.20	1	03/15/22 07:18	
1,1,2-Trichloroethane	0.20 U	5.0	0.20	1	03/15/22 07:18	
1,1-Dichloroethane (1,1-DCA)	**0.81 J**	5.0	0.20	1	03/15/22 07:18	
1,1-Dichloroethene (1,1-DCE)	0.20 U	5.0	0.20	1	03/15/22 07:18	
1,2,3-Trichloropropane	0.26 U	5.0	0.26	1	03/15/22 07:18	
1,2-Dibromo-3-chloropropane (DBCP)	0.45 U	5.0	0.45	1	03/15/22 07:18	
1,2-Dibromoethane	0.20 U	5.0	0.20	1	03/15/22 07:18	
1,2-Dichlorobenzene	0.20 U	5.0	0.20	1	03/15/22 07:18	
1,2-Dichloroethane	0.20 U	5.0	0.20	1	03/15/22 07:18	
1,2-Dichloropropane	0.20 U	5.0	0.20	1	03/15/22 07:18	
1,4-Dichlorobenzene	0.20 U	5.0	0.20	1	03/15/22 07:18	
2-Butanone (MEK)	0.78 U	10	0.78	1	03/15/22 07:18	
2-Hexanone	0.20 U	10	0.20	1	03/15/22 07:18	
4-Methyl-2-pentanone	0.20 U	10	0.20	1	03/15/22 07:18	
Acetone	5.0 U	10	5.0	1	03/15/22 07:18	
Acrylonitrile	0.90 U	100	0.90	1	03/15/22 07:18	
Benzene	0.20 U	5.0	0.20	1	03/15/22 07:18	
Bromochloromethane	0.20 U	5.0	0.20	1	03/15/22 07:18	
Bromodichloromethane	0.20 U	5.0	0.20	1	03/15/22 07:18	
Bromoform	0.25 U	5.0	0.25	1	03/15/22 07:18	
Bromomethane	0.70 U	5.0	0.70	1	03/15/22 07:18	
Carbon Disulfide	0.42 U	10	0.42	1	03/15/22 07:18	
Carbon Tetrachloride	0.34 U	5.0	0.34	1	03/15/22 07:18	
Chlorobenzene	0.20 U	5.0	0.20	1	03/15/22 07:18	
Chloroethane	0.23 U	5.0	0.23	1	03/15/22 07:18	
Chloroform	0.24 U	5.0	0.24	1	03/15/22 07:18	
Chloromethane	0.28 U	5.0	0.28	1	03/15/22 07:18	
Dibromochloromethane	0.20 U	5.0	0.20	1	03/15/22 07:18	
Dibromomethane	0.20 U	5.0	0.20	1	03/15/22 07:18	
Methylene Chloride	0.65 U	5.0	0.65	1	03/15/22 07:18	
Ethylbenzene	0.20 U	5.0	0.20	1	03/15/22 07:18	
Iodomethane	4.3 U	10	4.3	1	03/15/22 07:18	
Styrene	0.20 U	5.0	0.20	1	03/15/22 07:18	
Tetrachloroethene (PCE)	0.21 U	5.0	0.21	1	03/15/22 07:18	
Toluene	0.20 U	5.0	0.20	1	03/15/22 07:18	
Trichloroethene (TCE)	**0.62 J**	5.0	0.20	1	03/15/22 07:18	
Trichlorofluoromethane (CFC 11)	0.24 U	5.0	0.24	1	03/15/22 07:18	
Vinyl Acetate	1.1 U	10	1.1	1	03/15/22 07:18	
Vinyl Chloride	0.20 U	5.0	0.20	1	03/15/22 07:18	
cis-1,2-Dichloroethene	**0.35 J**	5.0	0.23	1	03/15/22 07:18	
cis-1,3-Dichloropropene	0.20 U	5.0	0.20	1	03/15/22 07:18	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202162
Project:	Colesville Residents	**Date Collected:**	03/10/22 13:40
Sample Matrix:	Drinking Water	**Date Received:**	03/10/22 17:15
Sample Name:	Lee Spring	**Units:**	ug/L
Lab Code:	R2202162-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
m,p-Xylenes	0.20 U	5.0	0.20	1	03/15/22 07:18	
o-Xylene	0.20 U	5.0	0.20	1	03/15/22 07:18	
trans-1,2-Dichloroethene	0.20 U	5.0	0.20	1	03/15/22 07:18	
trans-1,3-Dichloropropene	0.23 U	5.0	0.23	1	03/15/22 07:18	
trans-1,4-Dichloro-2-butene	0.78 U	5.0	0.78	1	03/15/22 07:18	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	89	85 - 122	03/15/22 07:18	
Dibromofluoromethane	95	80 - 116	03/15/22 07:18	
Toluene-d8	95	87 - 121	03/15/22 07:18	

Metals

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www.alsglobal.com

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202162
Project:	Colesville Residents	**Date Collected:**	03/10/22 11:30
Sample Matrix:	Drinking Water	**Date Received:**	03/10/22 17:15
Sample Name:	22 Centerville Loop	**Basis:**	NA
Lab Code:	R2202162-002		

Inorganic Parameters

Analyte Name	Analysis Method	Result		Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Aluminum, Total	6010C	100	U	ug/L	100	1	03/15/22 21:49	03/14/22	
Antimony, Total	6010C	60	U	ug/L	60	1	03/15/22 21:49	03/14/22	
Arsenic, Total	6010C	10	U	ug/L	10	1	03/15/22 21:49	03/14/22	
Barium, Total	6010C	20	U	ug/L	20	1	03/15/22 21:49	03/14/22	
Beryllium, Total	6010C	3.0	U	ug/L	3.0	1	03/15/22 21:49	03/14/22	
Boron, Total	6010C	200	U	ug/L	200	1	03/15/22 21:49	03/14/22	
Cadmium, Total	6010C	5.0	U	ug/L	5.0	1	03/15/22 21:49	03/14/22	
Calcium, Total	6010C	**25700**		ug/L	1000	1	03/15/22 21:49	03/14/22	
Chromium, Total	6010C	10	U	ug/L	10	1	03/15/22 21:49	03/14/22	
Cobalt, Total	6010C	50	U	ug/L	50	1	03/15/22 21:49	03/14/22	
Copper, Total	6010C	20	U	ug/L	20	1	03/15/22 21:49	03/14/22	
Iron, Total	6010C	100	U	ug/L	100	1	03/15/22 21:49	03/14/22	
Lead, Total	6010C	5.0	U	ug/L	5.0	1	03/15/22 21:49	03/14/22	
Magnesium, Total	6010C	**5700**		ug/L	1000	1	03/15/22 21:49	03/14/22	
Manganese, Total	6010C	10	U	ug/L	10	1	03/15/22 21:49	03/14/22	
Mercury, Total	7470A	0.20	U	ug/L	0.20	1	03/16/22 15:16	03/15/22	
Nickel, Total	6010C	40	U	ug/L	40	1	03/15/22 21:49	03/14/22	
Potassium, Total	6010C	2000	U	ug/L	2000	1	03/15/22 21:49	03/14/22	
Selenium, Total	6010C	10	U	ug/L	10	1	03/16/22 19:55	03/14/22	
Silver, Total	6010C	10	U	ug/L	10	1	03/15/22 21:49	03/14/22	
Sodium, Total	6010C	**12400**		ug/L	1000	1	03/15/22 21:49	03/14/22	
Thallium, Total	6010C	10	U	ug/L	10	1	03/16/22 19:55	03/14/22	
Vanadium, Total	6010C	50	U	ug/L	50	1	03/15/22 21:49	03/14/22	
Zinc, Total	6010C	20	U	ug/L	20	1	03/15/22 21:49	03/14/22	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202162
Project:	Colesville Residents	**Date Collected:**	03/10/22 12:00
Sample Matrix:	Drinking Water	**Date Received:**	03/10/22 17:15
Sample Name:	1495 E. Windsor Rd	**Basis:**	NA
Lab Code:	R2202162-003		

Inorganic Parameters

Analyte Name	Analysis Method	Result		Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Aluminum, Total	6010C	100	U	ug/L	100	1	03/15/22 21:52	03/14/22	
Antimony, Total	6010C	60	U	ug/L	60	1	03/15/22 21:52	03/14/22	
Arsenic, Total	6010C	10	U	ug/L	10	1	03/15/22 21:52	03/14/22	
Barium, Total	6010C	**1330**		ug/L	20	1	03/15/22 21:52	03/14/22	
Beryllium, Total	6010C	3.0	U	ug/L	3.0	1	03/15/22 21:52	03/14/22	
Boron, Total	6010C	200	U	ug/L	200	1	03/15/22 21:52	03/14/22	
Cadmium, Total	6010C	5.0	U	ug/L	5.0	1	03/15/22 21:52	03/14/22	
Calcium, Total	6010C	**21500**		ug/L	1000	1	03/15/22 21:52	03/14/22	
Chromium, Total	6010C	10	U	ug/L	10	1	03/15/22 21:52	03/14/22	
Cobalt, Total	6010C	50	U	ug/L	50	1	03/15/22 21:52	03/14/22	
Copper, Total	6010C	20	U	ug/L	20	1	03/15/22 21:52	03/14/22	
Iron, Total	6010C	**280**		ug/L	100	1	03/15/22 21:52	03/14/22	
Lead, Total	6010C	5.0	U	ug/L	5.0	1	03/15/22 21:52	03/14/22	
Magnesium, Total	6010C	**3600**		ug/L	1000	1	03/15/22 21:52	03/14/22	
Manganese, Total	6010C	**59**		ug/L	10	1	03/15/22 21:52	03/14/22	
Mercury, Total	7470A	0.20	U	ug/L	0.20	1	03/16/22 15:18	03/15/22	
Nickel, Total	6010C	40	U	ug/L	40	1	03/15/22 21:52	03/14/22	
Potassium, Total	6010C	2000	U	ug/L	2000	1	03/15/22 21:52	03/14/22	
Selenium, Total	6010C	10	U	ug/L	10	1	03/16/22 19:58	03/14/22	
Silver, Total	6010C	10	U	ug/L	10	1	03/15/22 21:52	03/14/22	
Sodium, Total	6010C	**115000**		ug/L	1000	1	03/15/22 21:52	03/14/22	
Thallium, Total	6010C	10	U	ug/L	10	1	03/16/22 19:58	03/14/22	
Vanadium, Total	6010C	50	U	ug/L	50	1	03/15/22 21:52	03/14/22	
Zinc, Total	6010C	20	U	ug/L	20	1	03/15/22 21:52	03/14/22	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202162
Project:	Colesville Residents	**Date Collected:**	03/10/22 12:35
Sample Matrix:	Drinking Water	**Date Received:**	03/10/22 17:15
Sample Name:	1394 E. Windsor Rd	**Basis:**	NA
Lab Code:	R2202162-004		

Inorganic Parameters

Analyte Name	Analysis Method	Result		Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Aluminum, Total	6010C	100	U	ug/L	100	1	03/15/22 21:55	03/14/22	
Antimony, Total	6010C	60	U	ug/L	60	1	03/15/22 21:55	03/14/22	
Arsenic, Total	6010C	10	U	ug/L	10	1	03/15/22 21:55	03/14/22	
Barium, Total	6010C	**21**		ug/L	20	1	03/15/22 21:55	03/14/22	
Beryllium, Total	6010C	3.0	U	ug/L	3.0	1	03/15/22 21:55	03/14/22	
Boron, Total	6010C	200	U	ug/L	200	1	03/15/22 21:55	03/14/22	
Cadmium, Total	6010C	5.0	U	ug/L	5.0	1	03/15/22 21:55	03/14/22	
Calcium, Total	6010C	**16100**		ug/L	1000	1	03/15/22 21:55	03/14/22	
Chromium, Total	6010C	10	U	ug/L	10	1	03/15/22 21:55	03/14/22	
Cobalt, Total	6010C	50	U	ug/L	50	1	03/15/22 21:55	03/14/22	
Copper, Total	6010C	20	U	ug/L	20	1	03/15/22 21:55	03/14/22	
Iron, Total	6010C	**840**		ug/L	100	1	03/15/22 21:55	03/14/22	
Lead, Total	6010C	5.0	U	ug/L	5.0	1	03/15/22 21:55	03/14/22	
Magnesium, Total	6010C	**4000**		ug/L	1000	1	03/15/22 21:55	03/14/22	
Manganese, Total	6010C	**148**		ug/L	10	1	03/15/22 21:55	03/14/22	
Mercury, Total	7470A	0.20	U	ug/L	0.20	1	03/16/22 15:24	03/15/22	
Nickel, Total	6010C	40	U	ug/L	40	1	03/15/22 21:55	03/14/22	
Potassium, Total	6010C	2000	U	ug/L	2000	1	03/15/22 21:55	03/14/22	
Selenium, Total	6010C	10	U	ug/L	10	1	03/16/22 20:02	03/14/22	
Silver, Total	6010C	10	U	ug/L	10	1	03/15/22 21:55	03/14/22	
Sodium, Total	6010C	**5000**		ug/L	1000	1	03/15/22 21:55	03/14/22	
Thallium, Total	6010C	10	U	ug/L	10	1	03/16/22 20:02	03/14/22	
Vanadium, Total	6010C	50	U	ug/L	50	1	03/15/22 21:55	03/14/22	
Zinc, Total	6010C	20	U	ug/L	20	1	03/15/22 21:55	03/14/22	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202162
Project:	Colesville Residents	**Date Collected:**	03/10/22 13:40
Sample Matrix:	Drinking Water	**Date Received:**	03/10/22 17:15
Sample Name:	Lee Spring	**Basis:**	NA
Lab Code:	R2202162-005		

Inorganic Parameters

Analyte Name	Analysis Method	Result		Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Aluminum, Total	6010C	**260**		ug/L	100	1	03/15/22 21:59	03/14/22	
Antimony, Total	6010C	60	U	ug/L	60	1	03/15/22 21:59	03/14/22	
Arsenic, Total	6010C	10	U	ug/L	10	1	03/15/22 21:59	03/14/22	
Barium, Total	6010C	20	U	ug/L	20	1	03/15/22 21:59	03/14/22	
Beryllium, Total	6010C	3.0	U	ug/L	3.0	1	03/15/22 21:59	03/14/22	
Boron, Total	6010C	200	U	ug/L	200	1	03/15/22 21:59	03/14/22	
Cadmium, Total	6010C	5.0	U	ug/L	5.0	1	03/15/22 21:59	03/14/22	
Calcium, Total	6010C	**23600**		ug/L	1000	1	03/15/22 21:59	03/14/22	
Chromium, Total	6010C	10	U	ug/L	10	1	03/15/22 21:59	03/14/22	
Cobalt, Total	6010C	50	U	ug/L	50	1	03/15/22 21:59	03/14/22	
Copper, Total	6010C	20	U	ug/L	20	1	03/15/22 21:59	03/14/22	
Iron, Total	6010C	**250**		ug/L	100	1	03/15/22 21:59	03/14/22	
Lead, Total	6010C	5.0	U	ug/L	5.0	1	03/15/22 21:59	03/14/22	
Magnesium, Total	6010C	**6100**		ug/L	1000	1	03/15/22 21:59	03/14/22	
Manganese, Total	6010C	10	U	ug/L	10	1	03/15/22 21:59	03/14/22	
Mercury, Total	7470A	0.20	U	ug/L	0.20	1	03/16/22 15:26	03/15/22	
Nickel, Total	6010C	40	U	ug/L	40	1	03/15/22 21:59	03/14/22	
Potassium, Total	6010C	2000	U	ug/L	2000	1	03/15/22 21:59	03/14/22	
Selenium, Total	6010C	10	U	ug/L	10	1	03/16/22 20:05	03/14/22	
Silver, Total	6010C	10	U	ug/L	10	1	03/15/22 21:59	03/14/22	
Sodium, Total	6010C	**7700**		ug/L	1000	1	03/15/22 21:59	03/14/22	
Thallium, Total	6010C	10	U	ug/L	10	1	03/16/22 20:05	03/14/22	
Vanadium, Total	6010C	50	U	ug/L	50	1	03/15/22 21:59	03/14/22	
Zinc, Total	6010C	20	U	ug/L	20	1	03/15/22 21:59	03/14/22	

General Chemistry

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Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202162
Project:	Colesville Residents	**Date Collected:**	03/10/22 11:30
Sample Matrix:	Drinking Water	**Date Received:**	03/10/22 17:15
Sample Name:	22 Centerville Loop	**Basis:**	NA
Lab Code:	R2202162-002		

Inorganic Parameters

Analyte Name	Analysis Method	Result		Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	**41.1**		mg/L	2.0	1	03/16/22 14:22	NA	
Ammonia as Nitrogen, undistilled	350.1	0.050	U	mg/L	0.050	1	03/13/22 17:39	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2001(2011)	2.0	U	mg/L	2.0	1	03/11/22 09:35	NA	
Bromide	300.0	1.0	U	mg/L	1.0	10	03/16/22 02:13	NA	
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	1.0	U	mg/L	1.0	1	03/15/22 02:14	NA	
Chemical Oxygen Demand, Total	410.4	5.0	U	mg/L	5.0	1	03/13/22 14:00	NA	
Chloride	300.0	**24.8**		mg/L	2.0	10	03/16/22 02:13	NA	
Chromium, Hexavalent	7196A	0.010	U	mg/L	0.010	1	03/10/22 18:59	NA	
Color, True	SM 2120 B-2001(2011)	**2.0**		ColorUnits	1.0	1	03/11/22 12:20	NA	
Cyanide, Total	Kelada-01	0.0050	U	mg/L	0.0050	1	03/17/22 15:02	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	**87.7**		mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	Calculation	**8.30**		mg/L	0.05	1	NA	NA	
Nitrate+Nitrite as Nitrogen	353.2	**8.30**		mg/L	0.50	10	03/14/22 21:16	NA	
Nitrite as Nitrogen	353.2	0.010	U	mg/L	0.010	1	03/10/22 19:32	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.20	U	mg/L	0.20	1	03/15/22 15:12	03/14/22	
pH of Color Analysis	SM 2120 B-2001(2011)	**6.36**		pH Units	-	1	03/11/22 12:20	NA	
Phenolics, Total Recoverable	9066	0.0050	U	mg/L	0.0050	1	03/14/22 20:56	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-1997(2011)	**155**		mg/L	10	1	03/16/22 10:20	NA	
Sulfate	300.0	**13.0**		mg/L	2.0	10	03/16/22 02:13	NA	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202162
Project:	Colesville Residents	**Date Collected:**	03/10/22 12:00
Sample Matrix:	Drinking Water	**Date Received:**	03/10/22 17:15
Sample Name:	1495 E. Windsor Rd	**Basis:**	NA
Lab Code:	R2202162-003		

Inorganic Parameters

Analyte Name	Analysis Method	Result		Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	**133**		mg/L	2.0	1	03/16/22 14:28	NA	
Ammonia as Nitrogen, undistilled	350.1	**0.243**		mg/L	0.050	1	03/13/22 17:40	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2001(2011)	**4.7**		mg/L	2.0	1	03/11/22 09:36	NA	
Bromide	300.0	**1.6**		mg/L	1.0	10	03/16/22 02:19	NA	
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	1.0	U	mg/L	1.0	1	03/15/22 02:35	NA	
Chemical Oxygen Demand, Total	410.4	5.0	U	mg/L	5.0	1	03/13/22 14:00	NA	
Chloride	300.0	**142**		mg/L	6.0	30	03/21/22 12:37	NA	
Chromium, Hexavalent	7196A	0.010	U	mg/L	0.010	1	03/10/22 19:01	NA	
Color, True	SM 2120 B-2001(2011)	**3.0**		ColorUnits	1.0	1	03/11/22 12:20	NA	
Cyanide, Total	Kelada-01	0.0050	U	mg/L	0.0050	1	03/17/22 15:06	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	**68.3**		mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	Calculation	0.05	U	mg/L	0.05	1	NA	NA	
Nitrate+Nitrite as Nitrogen	353.2	0.050	U	mg/L	0.050	1	03/14/22 20:54	NA	
Nitrite as Nitrogen	353.2	0.010	U	mg/L	0.010	1	03/10/22 19:33	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.20	U	mg/L	0.20	1	03/15/22 15:14	03/14/22	
pH of Color Analysis	SM 2120 B-2001(2011)	**8.22**		pH Units	-	1	03/11/22 12:20	NA	
Phenolics, Total Recoverable	9066	0.0050	U	mg/L	0.0050	1	03/14/22 21:00	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-1997(2011)	**375**		mg/L	10	1	03/17/22 11:20	NA	
Sulfate	300.0	2.0	U	mg/L	2.0	10	03/16/22 02:19	NA	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202162
Project:	Colesville Residents	**Date Collected:**	03/10/22 12:35
Sample Matrix:	Drinking Water	**Date Received:**	03/10/22 17:15
Sample Name:	1394 E. Windsor Rd	**Basis:**	NA
Lab Code:	R2202162-004		

Inorganic Parameters

Analyte Name	Analysis Method	Result		Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	**65.3**		mg/L	2.0	1	03/16/22 14:34	NA	
Ammonia as Nitrogen, undistilled	350.1	0.050	U	mg/L	0.050	1	03/13/22 17:42	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2001(2011)	2.0	U	mg/L	2.0	1	03/11/22 09:38	NA	
Bromide	300.0	1.0	U	mg/L	1.0	10	03/16/22 02:39	NA	
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	1.0	U	mg/L	1.0	1	03/15/22 02:56	NA	
Chemical Oxygen Demand, Total	410.4	5.0	U	mg/L	5.0	1	03/13/22 14:00	NA	
Chloride	300.0	2.0	U	mg/L	2.0	10	03/16/22 02:39	NA	
Chromium, Hexavalent	7196A	0.010	U	mg/L	0.010	1	03/10/22 19:01	NA	
Color, True	SM 2120 B-2001(2011)	**2.0**		ColorUnits	1.0	1	03/11/22 12:20	NA	
Cyanide, Total	Kelada-01	0.0050	U	mg/L	0.0050	1	03/17/22 15:10	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	**56.8**		mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	Calculation	0.05	U	mg/L	0.05	1	NA	NA	
Nitrate+Nitrite as Nitrogen	353.2	0.050	U	mg/L	0.050	1	03/14/22 20:55	NA	
Nitrite as Nitrogen	353.2	0.010	U	mg/L	0.010	1	03/10/22 19:33	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.20	U	mg/L	0.20	1	03/15/22 15:15	03/14/22	
pH of Color Analysis	SM 2120 B-2001(2011)	**7.44**		pH Units	-	1	03/11/22 12:20	NA	
Phenolics, Total Recoverable	9066	0.0050	U	mg/L	0.0050	1	03/14/22 21:08	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-1997(2011)	**75**		mg/L	10	1	03/17/22 11:20	NA	
Sulfate	300.0	2.0	U	mg/L	2.0	10	03/16/22 02:39	NA	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202162
Project:	Colesville Residents	**Date Collected:**	03/10/22 13:40
Sample Matrix:	Drinking Water	**Date Received:**	03/10/22 17:15
Sample Name:	Lee Spring	**Basis:**	NA
Lab Code:	R2202162-005		

Inorganic Parameters

Analyte Name	Analysis Method	Result		Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	**76.6**		mg/L	2.0	1	03/16/22 14:41	NA	
Ammonia as Nitrogen, undistilled	350.1	0.050	U	mg/L	0.050	1	03/13/22 17:45	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2001(2011)	2.0	U	mg/L	2.0	1	03/11/22 09:37	NA	
Bromide	300.0	1.0	U	mg/L	1.0	10	03/16/22 02:45	NA	
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	1.0	U	mg/L	1.0	1	03/15/22 03:17	NA	
Chemical Oxygen Demand, Total	410.4	5.0	U	mg/L	5.0	1	03/13/22 14:00	NA	
Chloride	300.0	**10.1**		mg/L	2.0	10	03/16/22 02:45	NA	
Chromium, Hexavalent	7196A	0.010	U	mg/L	0.010	1	03/10/22 19:02	NA	
Color, True	SM 2120 B-2001(2011)	**3.0**		ColorUnits	1.0	1	03/11/22 12:20	NA	
Cyanide, Total	Kelada-01	0.0050	U	mg/L	0.0050	1	03/17/22 15:14	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	**84.0**		mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	Calculation	**0.369**		mg/L	0.05	1	NA	NA	
Nitrate+Nitrite as Nitrogen	353.2	**0.369**		mg/L	0.050	1	03/14/22 20:58	NA	
Nitrite as Nitrogen	353.2	0.010	U	mg/L	0.010	1	03/10/22 19:34	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	**0.21**		mg/L	0.20	1	03/15/22 15:16	03/14/22	
pH of Color Analysis	SM 2120 B-2001(2011)	**6.44**		pH Units	-	1	03/11/22 12:20	NA	
Phenolics, Total Recoverable	9066	0.0050	U	mg/L	0.0050	1	03/14/22 21:12	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-1997(2011)	**114**		mg/L	10	1	03/17/22 11:20	NA	
Sulfate	300.0	**7.4**		mg/L	2.0	10	03/16/22 02:45	NA	

Field Data

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Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202162
Project:	Colesville Residents	**Date Collected:**	03/10/22 11:30
Sample Matrix:	Drinking Water	**Date Received:**	03/10/22 17:15
Sample Name:	22 Centerville Loop	**Basis:**	NA
Lab Code:	R2202162-002		

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	**266**	uMHOS/cm	-	1	03/10/22 11:30	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	**26.0**	mV	-	1	03/10/22 11:30	
pH, Field	SM 4500-H+ B	**6.53**	pH Units	-	1	03/10/22 11:30	
Temperature, Field	SM 2550 B	**6.60**	deg C	-	1	03/10/22 11:30	
Turbidity, Field	180.1	**1.1**	NTU	-	1	03/10/22 11:30	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202162
Project:	Colesville Residents	**Date Collected:**	03/10/22 12:00
Sample Matrix:	Drinking Water	**Date Received:**	03/10/22 17:15
Sample Name:	1495 E. Windsor Rd	**Basis:**	NA
Lab Code:	R2202162-003		

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	**757**	uMHOS/cm	-	1	03/10/22 12:00	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	**-27.0**	mV	-	1	03/10/22 12:00	
pH, Field	SM 4500-H+ B	**8.11**	pH Units	-	1	03/10/22 12:00	
Temperature, Field	SM 2550 B	**11.2**	deg C	-	1	03/10/22 12:00	
Turbidity, Field	180.1	**1.3**	NTU	-	1	03/10/22 12:00	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202162
Project:	Colesville Residents	**Date Collected:**	03/10/22 12:35
Sample Matrix:	Drinking Water	**Date Received:**	03/10/22 17:15
Sample Name:	1394 E. Windsor Rd	**Basis:**	NA
Lab Code:	R2202162-004		

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	**160**	uMHOS/cm	-	1	03/10/22 12:35	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	**-54.0**	mV	-	1	03/10/22 12:35	
pH, Field	SM 4500-H+ B	**7.47**	pH Units	-	1	03/10/22 12:35	
Temperature, Field	SM 2550 B	**0.800**	deg C	-	1	03/10/22 12:35	
Turbidity, Field	180.1	**0.6**	NTU	-	1	03/10/22 12:35	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202162
Project:	Colesville Residents	**Date Collected:**	03/10/22 13:40
Sample Matrix:	Drinking Water	**Date Received:**	03/10/22 17:15
Sample Name:	Lee Spring	**Basis:**	NA
Lab Code:	R2202162-005		

Field Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Conductivity, Field	120.1	**206**	uMHOS/cm	-	1	03/10/22 13:40	
Oxidation-Reduction Potential (ORP), Field	ASTM D1498-00	**160**	mV	-	1	03/10/22 13:40	
pH, Field	SM 4500-H+ B	**6.35**	pH Units	-	1	03/10/22 13:40	
Temperature, Field	SM 2550 B	**9.50**	deg C	-	1	03/10/22 13:40	
Turbidity, Field	180.1	**0.7**	NTU	-	1	03/10/22 13:40	

QC Summary Forms

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Volatile Organic Compounds by GC/MS

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Client: Broome County Division of Solid Waste Management **Service Request:** R2202162
Project: Colesville Residents
Sample Matrix: Drinking Water

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Extraction Method: EPA 5030C

Sample Name	Lab Code	4-Bromofluorobenzene 85-122	Dibromofluoromethane 80-116	Toluene-d8 87-121
Trip Blank	R2202162-001	92	92	95
22 Centerville Loop	R2202162-002	95	94	95
1495 E. Windsor Rd	R2202162-003	89	92	95
1394 E. Windsor Rd	R2202162-004	90	99	94
Lee Spring	R2202162-005	89	95	95
Method Blank	RQ2202529-05	94	99	95
Lab Control Sample	RQ2202529-03	92	98	94
Duplicate Lab Control Sample	RQ2202529-04	100	101	98

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202162
Project:	Colesville Residents	**Date Collected:**	NA
Sample Matrix:	Drinking Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2202529-05	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.20 U	5.0	0.20	1	03/15/22 00:20	
1,1,1-Trichloroethane (TCA)	0.20 U	5.0	0.20	1	03/15/22 00:20	
1,1,2,2-Tetrachloroethane	0.20 U	5.0	0.20	1	03/15/22 00:20	
1,1,2-Trichloroethane	0.20 U	5.0	0.20	1	03/15/22 00:20	
1,1-Dichloroethane (1,1-DCA)	0.20 U	5.0	0.20	1	03/15/22 00:20	
1,1-Dichloroethene (1,1-DCE)	0.20 U	5.0	0.20	1	03/15/22 00:20	
1,2,3-Trichloropropane	0.26 U	5.0	0.26	1	03/15/22 00:20	
1,2-Dibromo-3-chloropropane (DBCP)	0.45 U	5.0	0.45	1	03/15/22 00:20	
1,2-Dibromoethane	0.20 U	5.0	0.20	1	03/15/22 00:20	
1,2-Dichlorobenzene	0.20 U	5.0	0.20	1	03/15/22 00:20	
1,2-Dichloroethane	0.20 U	5.0	0.20	1	03/15/22 00:20	
1,2-Dichloropropane	0.20 U	5.0	0.20	1	03/15/22 00:20	
1,4-Dichlorobenzene	0.20 U	5.0	0.20	1	03/15/22 00:20	
2-Butanone (MEK)	0.78 U	10	0.78	1	03/15/22 00:20	
2-Hexanone	0.20 U	10	0.20	1	03/15/22 00:20	
4-Methyl-2-pentanone	0.20 U	10	0.20	1	03/15/22 00:20	
Acetone	5.0 U	10	5.0	1	03/15/22 00:20	
Acrylonitrile	0.90 U	100	0.90	1	03/15/22 00:20	
Benzene	0.20 U	5.0	0.20	1	03/15/22 00:20	
Bromochloromethane	0.20 U	5.0	0.20	1	03/15/22 00:20	
Bromodichloromethane	0.20 U	5.0	0.20	1	03/15/22 00:20	
Bromoform	0.25 U	5.0	0.25	1	03/15/22 00:20	
Bromomethane	0.70 U	5.0	0.70	1	03/15/22 00:20	
Carbon Disulfide	0.42 U	10	0.42	1	03/15/22 00:20	
Carbon Tetrachloride	0.34 U	5.0	0.34	1	03/15/22 00:20	
Chlorobenzene	0.20 U	5.0	0.20	1	03/15/22 00:20	
Chloroethane	0.23 U	5.0	0.23	1	03/15/22 00:20	
Chloroform	0.24 U	5.0	0.24	1	03/15/22 00:20	
Chloromethane	0.28 U	5.0	0.28	1	03/15/22 00:20	
Dibromochloromethane	0.20 U	5.0	0.20	1	03/15/22 00:20	
Dibromomethane	0.20 U	5.0	0.20	1	03/15/22 00:20	
Methylene Chloride	0.65 U	5.0	0.65	1	03/15/22 00:20	
Ethylbenzene	0.20 U	5.0	0.20	1	03/15/22 00:20	
Iodomethane	4.3 U	10	4.3	1	03/15/22 00:20	
Styrene	0.20 U	5.0	0.20	1	03/15/22 00:20	
Tetrachloroethene (PCE)	0.21 U	5.0	0.21	1	03/15/22 00:20	
Toluene	0.20 U	5.0	0.20	1	03/15/22 00:20	
Trichloroethene (TCE)	0.20 U	5.0	0.20	1	03/15/22 00:20	
Trichlorofluoromethane (CFC 11)	0.24 U	5.0	0.24	1	03/15/22 00:20	
Vinyl Acetate	1.1 U	10	1.1	1	03/15/22 00:20	
Vinyl Chloride	0.20 U	5.0	0.20	1	03/15/22 00:20	
cis-1,2-Dichloroethene	0.23 U	5.0	0.23	1	03/15/22 00:20	
cis-1,3-Dichloropropene	0.20 U	5.0	0.20	1	03/15/22 00:20	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202162
Project:	Colesville Residents	**Date Collected:**	NA
Sample Matrix:	Drinking Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2202529-05	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
m,p-Xylenes	0.20 U	5.0	0.20	1	03/15/22 00:20	
o-Xylene	0.20 U	5.0	0.20	1	03/15/22 00:20	
trans-1,2-Dichloroethene	0.20 U	5.0	0.20	1	03/15/22 00:20	
trans-1,3-Dichloropropene	0.23 U	5.0	0.23	1	03/15/22 00:20	
trans-1,4-Dichloro-2-butene	0.78 U	5.0	0.78	1	03/15/22 00:20	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	85 - 122	03/15/22 00:20	
Dibromofluoromethane	99	80 - 116	03/15/22 00:20	
Toluene-d8	95	87 - 121	03/15/22 00:20	

Client: Broome County Division of Solid Waste Management
Project: Colesville Residents
Sample Matrix: Drinking Water

Service Request: R2202162
Date Analyzed: 03/14/22

Duplicate Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ2202529-03			RQ2202529-04					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,1,1,2-Tetrachloroethane	8260C	21.4	20.0	107	20.1	20.0	101	76-129	6	30
1,1,1-Trichloroethane (TCA)	8260C	21.1	20.0	105	20.5	20.0	102	75-125	3	30
1,1,2,2-Tetrachloroethane	8260C	19.2	20.0	96	19.6	20.0	98	78-126	2	30
1,1,2-Trichloroethane	8260C	19.6	20.0	98	20.0	20.0	100	82-121	2	30
1,1-Dichloroethane (1,1-DCA)	8260C	21.1	20.0	105	21.1	20.0	105	80-124	<1	30
1,1-Dichloroethene (1,1-DCE)	8260C	21.8	20.0	109	20.9	20.0	105	71-118	4	30
1,2,3-Trichloropropane	8260C	20.2	20.0	101	22.3	20.0	112	75-118	10	30
1,2-Dibromo-3-chloropropane (DBCP)	8260C	17.5	20.0	87	19.4	20.0	97	55-136	11	30
1,2-Dibromoethane	8260C	17.7	20.0	88	17.4	20.0	87	82-127	2	30
1,2-Dichlorobenzene	8260C	20.3	20.0	102	20.6	20.0	103	80-119	1	30
1,2-Dichloroethane	8260C	19.4	20.0	97	19.6	20.0	98	71-127	1	30
1,2-Dichloropropane	8260C	20.3	20.0	101	18.7	20.0	93	80-119	8	30
1,4-Dichlorobenzene	8260C	20.6	20.0	103	19.0	20.0	95	79-119	8	30
2-Butanone (MEK)	8260C	17.9	20.0	89	18.6	20.0	93	61-137	4	30
2-Hexanone	8260C	18.6	20.0	93	19.3	20.0	97	63-124	4	30
4-Methyl-2-pentanone	8260C	20.0	20.0	100	20.7	20.0	104	66-124	3	30
Acetone	8260C	21.6	20.0	108	22.0	20.0	110	40-161	2	30
Acrylonitrile	8260C	101	100	101	107	100	107	71-130	5	30
Benzene	8260C	19.7	20.0	99	20.1	20.0	101	79-119	2	30
Bromochloromethane	8260C	19.3	20.0	96	18.6	20.0	93	81-126	3	30
Bromodichloromethane	8260C	21.5	20.0	108	20.1	20.0	100	81-123	7	30
Bromoform	8260C	22.2	20.0	111	23.5	20.0	118	65-146	6	30
Bromomethane	8260C	18.2	20.0	91	17.8	20.0	89	42-166	2	30
Carbon Disulfide	8260C	17.9	20.0	89	17.9	20.0	89	66-128	<1	30
Carbon Tetrachloride	8260C	19.0	20.0	95	18.3	20.0	92	70-127	4	30
Chlorobenzene	8260C	20.1	20.0	100	19.4	20.0	97	80-121	4	30
Chloroethane	8260C	22.4	20.0	112	22.6	20.0	113	62-131	<1	30
Chloroform	8260C	20.8	20.0	104	20.7	20.0	104	79-120	<1	30
Chloromethane	8260C	24.1	20.0	121	24.9	20.0	125	65-135	3	30
Dibromochloromethane	8260C	22.9	20.0	115	21.5	20.0	107	72-128	6	30
Dibromomethane	8260C	19.3	20.0	97	20.8	20.0	104	80-118	8	30
Methylene Chloride	8260C	22.2	20.0	111	20.5	20.0	103	73-122	8	30

Client: Broome County Division of Solid Waste Management
Project: Colesville Residents
Sample Matrix: Drinking Water

Service Request: R2202162
Date Analyzed: 03/14/22

Duplicate Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ2202529-03			RQ2202529-04					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Ethylbenzene	8260C	21.3	20.0	106	20.0	20.0	100	76-120	6	30
Iodomethane	8260C	17.3	20.0	86	19.0	20.0	95	18-160	10	30
Styrene	8260C	20.7	20.0	103	19.9	20.0	100	80-124	4	30
Tetrachloroethene (PCE)	8260C	20.1	20.0	100	18.9	20.0	94	72-125	6	30
Toluene	8260C	19.8	20.0	99	20.5	20.0	103	79-119	3	30
Trichloroethene (TCE)	8260C	19.1	20.0	96	19.4	20.0	97	74-122	1	30
Trichlorofluoromethane (CFC 11)	8260C	20.7	20.0	104	22.3	20.0	111	71-136	7	30
Vinyl Acetate	8260C	16.7	20.0	83	17.2	20.0	86	52-174	3	30
Vinyl Chloride	8260C	21.4	20.0	107	22.4	20.0	112	74-159	5	30
cis-1,2-Dichloroethene	8260C	20.9	20.0	105	20.6	20.0	103	80-121	2	30
cis-1,3-Dichloropropene	8260C	18.9	20.0	94	18.0	20.0	90	77-122	5	30
m,p-Xylenes	8260C	41.4	40.0	104	39.3	40.0	98	80-126	5	30
o-Xylene	8260C	20.5	20.0	102	19.8	20.0	99	79-123	3	30
trans-1,2-Dichloroethene	8260C	20.4	20.0	102	20.9	20.0	105	73-118	3	30
trans-1,3-Dichloropropene	8260C	16.9	20.0	84	16.9	20.0	85	71-133	<1	30
trans-1,4-Dichloro-2-butene	8260C	15.6	20.0	78	17.5	20.0	87	39-137	11	30

Metals

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Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202162
Project:	Colesville Residents	**Date Collected:**	NA
Sample Matrix:	Drinking Water	**Date Received:**	NA
Sample Name:	Method Blank	**Basis:**	NA
Lab Code:	R2202162-MB		

Inorganic Parameters

Analyte Name	Analysis Method	Result		Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Aluminum, Total	6010C	100	U	ug/L	100	1	03/15/22 20:15	03/14/22	
Antimony, Total	6010C	60	U	ug/L	60	1	03/15/22 20:15	03/14/22	
Arsenic, Total	6010C	10	U	ug/L	10	1	03/15/22 20:15	03/14/22	
Barium, Total	6010C	20	U	ug/L	20	1	03/15/22 20:15	03/14/22	
Beryllium, Total	6010C	3.0	U	ug/L	3.0	1	03/15/22 20:15	03/14/22	
Boron, Total	6010C	200	U	ug/L	200	1	03/15/22 20:15	03/14/22	
Cadmium, Total	6010C	5.0	U	ug/L	5.0	1	03/15/22 20:15	03/14/22	
Calcium, Total	6010C	1000	U	ug/L	1000	1	03/15/22 20:15	03/14/22	
Chromium, Total	6010C	10	U	ug/L	10	1	03/15/22 20:15	03/14/22	
Cobalt, Total	6010C	50	U	ug/L	50	1	03/15/22 20:15	03/14/22	
Copper, Total	6010C	20	U	ug/L	20	1	03/15/22 20:15	03/14/22	
Iron, Total	6010C	100	U	ug/L	100	1	03/15/22 20:15	03/14/22	
Lead, Total	6010C	5.0	U	ug/L	5.0	1	03/15/22 20:15	03/14/22	
Magnesium, Total	6010C	1000	U	ug/L	1000	1	03/15/22 20:15	03/14/22	
Manganese, Total	6010C	10	U	ug/L	10	1	03/15/22 20:15	03/14/22	
Mercury, Total	7470A	0.20	U	ug/L	0.20	1	03/16/22 15:04	03/15/22	
Nickel, Total	6010C	40	U	ug/L	40	1	03/15/22 20:15	03/14/22	
Potassium, Total	6010C	2000	U	ug/L	2000	1	03/15/22 20:15	03/14/22	
Selenium, Total	6010C	10	U	ug/L	10	1	03/16/22 18:21	03/14/22	
Silver, Total	6010C	10	U	ug/L	10	1	03/15/22 20:15	03/14/22	
Sodium, Total	6010C	1000	U	ug/L	1000	1	03/15/22 20:15	03/14/22	
Thallium, Total	6010C	10	U	ug/L	10	1	03/16/22 18:21	03/14/22	
Vanadium, Total	6010C	50	U	ug/L	50	1	03/15/22 20:15	03/14/22	
Zinc, Total	6010C	20	U	ug/L	20	1	03/15/22 20:15	03/14/22	

Client: Broome County Division of Solid Waste Management
Project: Colesville Residents
Sample Matrix: Drinking Water

Service Request: R2202162
Date Analyzed: 03/15/22 - 03/16/22

Lab Control Sample Summary
Inorganic Parameters

Units:ug/L
Basis:NA

Lab Control Sample
R2202162-LCS

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Aluminum, Total	6010C	2030	2000	101	80-120
Antimony, Total	6010C	487	500	97	80-120
Arsenic, Total	6010C	37	40	93	80-120
Barium, Total	6010C	2090	2000	104	80-120
Beryllium, Total	6010C	47.9	50.0	96	80-120
Boron, Total	6010C	990	1000	99	80-120
Cadmium, Total	6010C	50.8	50.0	102	80-120
Calcium, Total	6010C	2050	2000	102	80-120
Chromium, Total	6010C	203	200	102	80-120
Cobalt, Total	6010C	505	500	101	80-120
Copper, Total	6010C	244	250	98	80-120
Iron, Total	6010C	1010	1000	101	80-120
Lead, Total	6010C	503	500	101	80-120
Magnesium, Total	6010C	2000	2000	101	80-120
Manganese, Total	6010C	495	500	99	80-120
Mercury, Total	7470A	1.03	1.00	103	80-120
Nickel, Total	6010C	508	500	102	80-120
Potassium, Total	6010C	19200	20000	96	80-120
Selenium, Total	6010C	978	1010	97	80-120
Silver, Total	6010C	48	50	96	80-120
Sodium, Total	6010C	20300	20000	102	80-120
Thallium, Total	6010C	1860	2000	93	80-120
Vanadium, Total	6010C	500	500	100	80-120
Zinc, Total	6010C	499	500	100	80-120

General Chemistry

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Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202162
Project:	Colesville Residents	**Date Collected:**	NA
Sample Matrix:	Drinking Water	**Date Received:**	NA
Sample Name:	Method Blank	**Basis:**	NA
Lab Code:	R2202162-MB1		

Inorganic Parameters

Analyte Name	Analysis Method	Result		Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	2.0	U	mg/L	2.0	1	03/16/22 11:28	NA	
Ammonia as Nitrogen, undistilled	350.1	0.050	U	mg/L	0.050	1	03/13/22 16:16	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2001(2011)	2.0	U	mg/L	2.0	1	03/11/22 13:16	NA	
Bromide	300.0	0.10	U	mg/L	0.10	1	03/16/22 01:14	NA	
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	1.0	U	mg/L	1.0	1	03/14/22 21:01	NA	
Chemical Oxygen Demand, Total	410.4	5.0	U	mg/L	5.0	1	03/13/22 14:00	NA	
Chloride	300.0	0.20	U	mg/L	0.20	1	03/16/22 01:14	NA	
Chromium, Hexavalent	7196A	0.010	U	mg/L	0.010	1	03/10/22 18:53	NA	
Color, True	SM 2120 B-2001(2011)	**1.0**		ColorUnits	1.0	1	03/11/22 12:20	NA	
Cyanide, Total	Kelada-01	0.0050	U	mg/L	0.0050	1	03/17/22 14:34	NA	
Nitrate+Nitrite as Nitrogen	353.2	0.050	U	mg/L	0.050	1	03/14/22 20:16	NA	
Nitrite as Nitrogen	353.2	0.010	U	mg/L	0.010	1	03/10/22 19:30	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.20	U	mg/L	0.20	1	03/15/22 15:00	03/14/22	
Phenolics, Total Recoverable	9066	0.0050	U	mg/L	0.0050	1	03/14/22 18:40	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-1997(2011)	10	U	mg/L	10	1	03/16/22 10:20	NA	
Sulfate	300.0	0.20	U	mg/L	0.20	1	03/16/22 01:14	NA	

Analytical Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202162
Project:	Colesville Residents	**Date Collected:**	NA
Sample Matrix:	Drinking Water	**Date Received:**	NA
Sample Name:	Method Blank	**Basis:**	NA
Lab Code:	R2202162-MB2		

Inorganic Parameters

Analyte Name	Analysis Method	Result		Units	MRL	Dil.	Date Analyzed	Q
Ammonia as Nitrogen, undistilled	350.1	0.050	U	mg/L	0.050	1	03/13/22 17:38	
Chloride	300.0	0.20	U	mg/L	0.20	1	03/21/22 12:18	
Nitrate+Nitrite as Nitrogen	353.2	0.050	U	mg/L	0.050	1	03/14/22 20:48	
Phenolics, Total Recoverable	9066	0.0050	U	mg/L	0.0050	1	03/14/22 20:32	
Solids, Total Dissolved (TDS)	SM 2540 C-1997(2011)	10	U	mg/L	10	1	03/17/22 11:20	

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202162
Project:	Colesville Residents	**Date Collected:**	03/10/22
Sample Matrix:	Drinking Water	**Date Received:**	03/10/22
		Date Analyzed:	03/15/22
		Date Extracted:	03/14/22

Duplicate Matrix Spike Summary
Nitrogen, Total Kjeldahl (TKN)

Sample Name:	22 Centerville Loop	**Units:**	mg/L
Lab Code:	R2202162-002	**Basis:**	NA
Analysis Method:	351.2		
Prep Method:	Method		

		Matrix Spike R2202162-002MS			Duplicate Matrix Spike R2202162-002DMS					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Nitrogen, Total Kjeldahl (TKN)	0.15 U	2.48	2.50	99	2.27	2.50	91	90-110	9	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Matrix Spike and Matrix Spike Duplicate Data is presented for information purposes only. The matrix may or may not be relevant to samples reported in this report. The laboratory evaluates system performance based on the LCS and LCSD control limits.

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202162
Project:	Colesville Residents	**Date Collected:**	03/10/22
Sample Matrix:	Drinking Water	**Date Received:**	03/10/22
		Date Analyzed:	03/14/22

Duplicate Matrix Spike Summary
Nitrate+Nitrite as Nitrogen

Sample Name:	Lee Spring	**Units:**	mg/L
Lab Code:	R2202162-005	**Basis:**	NA
Analysis Method:	353.2		

		Matrix Spike R2202162-005MS			Duplicate Matrix Spike R2202162-005DMS					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Nitrate+Nitrite as Nitrogen	0.369	0.846	0.500	95	0.847	0.500	95	90-110	<1	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Matrix Spike and Matrix Spike Duplicate Data is presented for information purposes only. The matrix may or may not be relevant to samples reported in this report. The laboratory evaluates system performance based on the LCS and LCSD control limits.

ALS Group USA, Corp.

dba ALS Environmental

QA/QC Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202162
Project	Colesville Residents	**Date Collected:**	03/10/22
Sample Matrix:	Drinking Water	**Date Received:**	03/10/22
		Date Analyzed:	03/11/22

Replicate Sample Summary
General Chemistry Parameters

Sample Name:	Lee Spring	**Units:**	ColorUnits
Lab Code:	R2202162-005	**Basis:**	NA

Analyte Name	Analysis Method	MRL	Sample Result	Duplicate Sample R2202162-005DUP Result	Average	RPD	RPD Limit
Color, True	SM 2120 B-2001(2011)	1.0	3.0	3.0	3.00	<1	5

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Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp.

dba ALS Environmental

QA/QC Report

Client:	Broome County Division of Solid Waste Management	**Service Request:**	R2202162
Project	Colesville Residents	**Date Collected:**	03/10/22
Sample Matrix:	Drinking Water	**Date Received:**	03/10/22
		Date Analyzed:	03/11/22

Replicate Sample Summary
General Chemistry Parameters

Sample Name:	Lee Spring	**Units:**	pH Units
Lab Code:	R2202162-005	**Basis:**	NA

Analyte Name	Analysis Method	MRL	Sample Result	Duplicate Sample R2202162-005DUP Result	Average	RPD	RPD Limit
pH of Color Analysis	SM 2120 B-2001(2011)	-	6.44	6.44	6.44	<1	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: Broome County Division of Solid Waste Management
Project: Colesville Residents
Sample Matrix: Drinking Water

Service Request: R2202162
Date Analyzed: 03/10/22 - 03/17/22

Lab Control Sample Summary
General Chemistry Parameters

Units:mg/L
Basis:NA

Lab Control Sample
R2202162-LCS1

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	19.8	20.0	99	80-120
Ammonia as Nitrogen, undistilled	350.1	0.499	0.500	100	90-110
Biochemical Oxygen Demand (BOD)	SM 5210 B-2001(2011)	181	198	92	85-115
Bromide	300.0	0.980	1.00	98	90-110
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	10.4	10.0	104	80-121
Chemical Oxygen Demand, Total	410.4	46.9	50.0	94	90-110
Chloride	300.0	1.99	2.00	100	90-110
Chromium, Hexavalent	7196A	0.10	0.100	100	80-120
Cyanide, Total	Kelada-01	0.0994	0.100	99	90-110
Nitrate+Nitrite as Nitrogen	353.2	0.517	0.500	103	90-110
Nitrite as Nitrogen	353.2	0.254	0.250	102	90-110
Nitrogen, Total Kjeldahl (TKN)	351.2	2.48	2.50	99	90-110
Phenolics, Total Recoverable	9066	0.0416	0.0400	104	85-115
Solids, Total Dissolved (TDS)	SM 2540 C-1997(2011)	910	914	100	90-110
Sulfate	300.0	2.05	2.00	103	90-110

Client: Broome County Division of Solid Waste Management
Project: Colesville Residents
Sample Matrix: Drinking Water

Service Request: R2202162
Date Analyzed: 03/13/22 - 03/21/22

Lab Control Sample Summary
General Chemistry Parameters

Units:mg/L
Basis:NA

Lab Control Sample
R2202162-LCS2

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Ammonia as Nitrogen, undistilled	350.1	0.493	0.500	99	90-110
Chloride	300.0	2.00	2.00	100	90-110
Nitrate+Nitrite as Nitrogen	353.2	0.496	0.500	99	90-110
Phenolics, Total Recoverable	9066	0.0401	0.0400	100	85-115
Solids, Total Dissolved (TDS)	SM 2540 C-1997(2011)	886	914	97	90-110

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