2020-2021 PERIODIC REVIEW REPORT

March 3, 2020 – March 3, 2021
NYSDEC Site Number: C734111

700 Outparcel
701-709 East Water Street
Syracuse, New York

Prepared for:

700 Out Parcel, LLC
505 East Fayette Street
Syracuse, New York 13210

Prepared by:

Asbestos and Environmental Consulting Corporation
6308 Fly Road
East Syracuse, New York 13057

and

Bradford Engineering, D.P.C.
7870 Camerra Way
Baldwinsville, New York 13027

Asbestos & Environmental Consulting Corp. ~ 6308 Fly Road, East Syracuse, NY 13057 ~ (315) 432-9400 ~ (315) 432-9405 fax
Bradford Engineering, D.P.C. ~ 7870 Camerra Way, Baldwinsville, NY 13027 ~ (315) 529-0482

TABLE OF CONTENTS

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Bradford Engineering, D.P.C. ~ 7870 Camerra Way, Baldwinsville, NY 13027 ~ (315) 529-0482

FIGURES

ATTACHMENTS

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Common Acronyms/Abbreviations

BTEX – Benzene, Toluene, Ethylbenzene, and Xylene

DUSR – Data Usability Summary Report

ECs – Engineering Controls

GWS – Groundwater Standard

ICs – Institutional Controls

IDW – Investigation Derived Waste

MNA – Monitored Natural Attenuation

N/A – Not Applicable

NYSDEC – New York State Department of Environmental Conservation

NYSDOH – New York State Department of Health

O&M – Operations & Maintenance

PAH – Polycyclic Aromatic Hydrocarbons

ppb – Parts Per Billion

ppm – Parts Per Million

PRR – Periodic Review Report

SMP – Site Management Plan

SVOC – Semi-Volatile Organic Compound

TOGS – Technical & Operational Guidance Series 1.1.1 (NYSDEC)

USEPA – United States Environmental Protection Agency

UST – Underground Storage Tank

VOC – Volatile Organic Compound

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1.0 EXECUTIVE SUMMARY

1.1 INTRODUCTION

The 700 Outparcel Site is a registered NYSDEC Brownfield, identified by Site # C734111. The Site is currently being managed by a NYSDEC-approved Site Management Plan (SMP), dated December 2016 (revised March 2017). This and future Periodic Review Reports (PRRs) are a required element of the SMP.

The Site formerly supported a gasoline filling station (1949 to 1964) and was afterwards used as a parking lot. Underground storage tanks (USTs), associated with the Site's use as a gasoline filling station, were removed in 2006. Contamination of subsurface soil and groundwater as a result of this history exists at the Site.

Remedial activities, including the implementation of certain Engineering and Institutional Controls, were completed at the site in November 2016.

1.2 EFFECTIVENESS OF REMEDIAL PROGRAM

The remedial strategy that has been adopted at the Site (including all engineering and institutional controls) has thus far been an effective and appropriate method of controlling exposure to remaining contamination in the subsurface. Analytical data has trended in the direction of achieving remedial objectives.

1.3 COMPLIANCE

To date, the required elements of the SMP have been appropriately observed and the Site remains in compliance.

1.4 RECOMMENDATIONS

At the current time, no changes to the SMP are necessary. The frequency of PRRs will remain on an annual schedule. Since two calendar years have elapsed, in accordance with the site's SMP, monitoring in 2020 will consist of a single annual event.

2.0 SITE OVERVIEW

2.1 INTRODUCTION

2.1.1 Site Location

The Site (currently owned by 700 Out Parcel, LLC) consists of two parcels of land totaling 0.43 acres. The Site is located at the northeast corner of East Water and Almond Streets, in the City of Syracuse, New York (see Figure 1). The parcels have addresses of 701 and 709 East Water Street. The site is bordered to the north by Erie Boulevard East, to the east by a commercial facility, to the south by East Water Street, and to the west by Almond Street.

2.1.2 Site Features

The Site is currently a gravel-covered parking lot with limited access. A chain link fence extends along the perimeter, and a gravel cover system is in-place (further discussed in Section 4.1.1 of this report).

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2.1.3 Nature and Extent of Contamination

From 1949 to 1964, the site operated as a gasoline filling station. Thereafter, it was used as a parking lot.

In 2002, four USTs were identified, and soils on the sides of the tanks exhibited petroleum staining and odors. Upon discovery of the petroleum-impacted soils, the NYSDEC Spill Hotline was called, and spill ID Number 01-11549 (March 7, 2002) was assigned to the site.

In 2006, a total of seven USTs were removed from the Site: four 1,000-gallon gasoline USTs, one 4,200-gallon gasoline UST, and two 550-gallon USTs (one fuel oil and one waste oil). Approximately 1,800 tons of contaminated soil was removed and staged on-site during the removal of the USTs. The NYSDEC Spill Hotline was called, and spill ID Number 06-10014 (December 4, 2006) was assigned to the site.

A Brownfield Cleanup Agreement (Index# B7-0743-07-05, Site # C73411) was executed on October 31, 2007.

As an Interim Remedial Measure, the staged soils associated with the UST removals were removed from the Site and disposed at a regulated landfill in May 2008.

Beardsley Design Associates (BDA) completed a Remedial Investigation (RI) report (dated October 2013). In general, historical fill material up to approximately 5 feet below original ground surface (beneath the cover system described in Section 4.1.1) is contaminated with PAHs and metals, while groundwater and deeper soils are contaminated with VOCs related to gasoline. The contaminants of concern listed below exceeded the applicable NYSDEC Soil Cleanup Guidance Values (SCGs) and groundwater guidance values / standards:

1,2,4-Trimethylbenzene	Benzene
1,3,5-Trimethylbenzene	Ethylbenzene
Isopropylbenzene	Toluene
Xylene (mixed)	n-Propylbenzene
Naphthalene	sec-Butylbenzene
Butylbenzene	Benzo(a)pyrene
Benzo(a)anthracene	Benzo(b)fluoranthene
Benzo[k]fluoranthene	Chrysene
Indeno(1,2,3-CD)pyrene	Dibenz[a,h]anthracene
Arsenic	Barium
Cyanide	

2.2 REMEDIAL PROGRAM

2.2.1 Chronology

Interim remedial measures were performed in accordance with the NYSDEC-approved Interim Remedial Measure Work Plan (dated April 2008). The site was remediated in accordance with the Decision Document (dated February 2016) and the Remedial Action Work Plan (dated August 2015). Remedial activities were completed at the site in November 2016. A certificate of completion was issued in November 2017.

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2.2.2 Components of the Remedial Program

The following are the components of the selected remedy:

- Maintenance of a cover system consisting of a one-foot layer of crusher run gravel on top of an orange fabric demarcation barrier to prevent human exposure to contaminated soil/fill remaining at the site.
- Groundwater contamination is being addressed by monitored natural attenuation (MNA).
- Execution and recording of an Environmental Easement to restrict land use and prevent future exposure to any contamination remaining at the site.
- Implementation of a Site Management Plan for long term management of remaining contamination as required by the Environmental Easement.

2.2.3 Cleanup Goals and Site Closure Criteria

Groundwater contamination at the Site is being mitigated via MNA, while chain link fencing and the gravel cover system prevents public exposure to gasoline, PAH, and metals contamination in soils and groundwater.

The composite cover system is a permanent control and the quality and integrity of this system will continue to be inspected at defined, regular intervals in perpetuity.

In accordance with the SMP, groundwater monitoring activities to assess natural attenuation will continue on an annual basis until the NYSDEC determines that residual groundwater concentrations in hydraulically-downgradient wells are found to be consistently below NYSDEC standards or have become asymptotic at an acceptable level (within an order-of-magnitude, and as compared to hydraulically-upgradient wells due to the potential for contaminants to migrate onto the subject site from adjacent properties). At that point, monitoring will continue on an annual basis for an additional three years or until permission to discontinue is granted in writing by the NYSDEC. If groundwater contaminant levels become asymptotic at a level that is not acceptable to the NYSDEC (and as compared to hydraulically-upgradient wells) a provision for treating the groundwater will be evaluated. Selection of the specific remedial technology will consider the monitoring data, but it is currently anticipated that injection of oxygen releasing compounds (ORC) would be used.

Institutional Controls identified in the Environmental Easement may not be discontinued without an amendment to or extinguishment of the Environmental Easement.

2.2.4 Significant Changes to the Selected Remedy

No significant changes have been made to the selected remedy since remedial activities were completed in November 2016.

3.0 EVALUATION OF REMEDY PERFORMANCE & EFFECTIVENESS

The Site remedy is currently being evaluated via observations of the gravel cover and monitoring of natural attenuation. Quantitative data to evaluate the performance and effectiveness of the selected remedy comes exclusively from prior groundwater monitoring events (thoroughly discussed in Section 5 below).

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Groundwater data has revealed a generally static or decreased level of contamination as compared to previous data, indicating that the remedial program has been effective. This is most notable at monitoring well MW-9, where Total VOC concentrations have decreased nearly two orders of magnitude since the Remedial Investigation sampling in 2012. This observation correlates well with the assumption that MW-9 was located closer to the edge of the plume than MW-8, which (although generally steadily decreasing) does not yet exhibit such a dramatic drop in Total VOC concentrations. Groundwater quality / MNA indicators also appear to be generally favorable for continued natural attenuation (see Section 5.3.3).

Since there are currently no active systems employed at the Site, there are no more quantitative means of correlating and evaluating the effectiveness of the current remedy.

From a qualitative perspective, it is observed that the Site is effectually isolated from the public. The gravel cover system (engineering control) remains in-place and institutional controls continue to be followed (See Section 4 below).

4.0 IC/EC PLAN COMPLIANCE

4.1 IC/EC REQUIREMENTS

The following subsections describe the Engineering and Institutional Controls currently implemented at the Site, their status, and effectiveness.

4.1.1 Description of Controls

Engineering Controls

Exposure to remaining contamination in soil/fill at the site is prevented by a gravel cover system placed over a demarcation layer (US Fabric 65HVO ORANGE Warning Barrier) across the entire site. The cover material is comprised of a minimum of 12 inches of clean crusher run gravel meeting the requirements of DER-10 Section 5.5.

During the groundwater monitoring event on January 21, 2020, AECC personnel inspected the cover system and determined that it remains in good condition. No significant damage or disturbance to the cover system was noted. As such, it remains an effective engineering control. Refer to Attachment A (Site Inspection Form) and Attachment B (Site Inspection Photograph Log) for further information.

Institutional Controls

A series of Institutional Controls is required by the Decision Document to: (1) implement, maintain and monitor Engineering Control systems; (2) prevent future exposure to remaining contamination by controlling disturbances of the subsurface contamination; and, (3) limit the use and development of the site to commercial and industrial uses only. Adherence to these Institutional Controls on the site is required by the Environmental Easement and will be implemented under the Site Management Plan. These Institutional Controls are:

- Compliance with the Environmental Easement and the SMP by the Grantor and the Grantor's successors and assigns
- All Engineering Controls must be operated and maintained as specified in the SMP

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- All Engineering Controls at the Site must be inspected at a frequency and in a manner defined in the SMP
- Groundwater and other environmental or public health monitoring must be performed as defined in the SMP
- Data and information pertinent to management of the Site must be reported at the frequency and in a manner defined in the SMP
- Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP
- Access to the Site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified in the Environmental Easement

Furthermore, the site has a series of Institutional Controls in the form of site restrictions. Adherence to these Institutional Controls is required by the Environmental Easement. Site restrictions that apply to the Site are:

- The property may only be used for commercial or industrial use provided that the long-term Engineering and Institutional Controls included in this SMP are employed;
- The property may not be used for a higher level of use, such as unrestricted, residential, or restricted residential use without additional remediation and amendment of the Environmental Easement, as approved by the NYSDEC;
- All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with this SMP;
- The use of the groundwater underlying the property is prohibited without necessary water quality treatment as determined by the NYSDOH or the Onondaga County Department of Health to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the NYSDEC;
- Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical components of the remedy shall be performed;
- Vegetable gardens and farming on the property are prohibited;
- The site owner or remedial party will submit to NYSDEC a written statement that certifies, under penalty of perjury, that: (1) controls employed at the Controlled Property are unchanged from the previous certification or that any changes to the controls were approved by the NYSDEC; and, (2) nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMP. NYSDEC retains the right to access such Controlled Property at any time in order to evaluate the continued maintenance of any and all controls. This certification shall be submitted annually, or an alternate period of time that NYSDEC may allow and will be made by an expert that the NYSDEC finds acceptable.

Methods of Evaluation

The IC/ECs are evaluated by performance of monitoring events and annual site-wide inspections. Site-wide inspections are also to be performed after all severe weather conditions that may affect Engineering Controls or monitoring devices. During these inspections, an inspection form is completed. The inspection collects sufficient information to assess the following:

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- Compliance with all ICs, including site usage;
- An evaluation of the condition and continued effectiveness of ECs;
- General site conditions at the time of the inspection;
- The site management activities being conducted including, where appropriate, confirmation sampling and a health and safety inspection;
- Compliance with permits and schedules included in the Operation and Maintenance Plan; and
- Confirmation that site records are up to date.

4.1.2 Effectiveness of Controls

The annual site inspection occurred on January 20, 2021. The completed site inspection forms are included as Attachment A. Photographs taken during the site inspection are included in Attachment B.

No severe condition (erosion, flooding event, or similar) has occurred since the implementation of the SMP. As such, no severe condition inspection has occurred to date.

Engineering Controls

The cover appeared to be in good condition. It remains in-place and effective.

Institutional Controls

The following table includes a list of all site restrictions that apply to the Site, and an assessment as to their adherence and effectiveness to date:

Site Restriction	Assessment	Compliant / Effective?
The property may only be used for commercial or industrial use provided that the long-term IC/ECs included in the SMP are employed	The property is currently used as an occasional-use parking lot (i.e. – commercial use)	Yes
The property may not be used for a higher level of use, such as unrestricted, residential, or restricted residential use without additional remediation and amendment of the Environmental Easement, as approved by the NYSDEC	The property is currently used as an occasional-use parking lot (i.e. – commercial use)	Yes
All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP	No disturbance of remaining contaminated material has occurred to date	Yes
The use of the groundwater underlying the property is prohibited without necessary water quality treatment as determined by the NYSDOH or the Onondaga County Department of Health to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the NYSDEC	Groundwater underlying the property is not being used	Yes

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Site Restriction	Assessment	Compliant / Effective?
Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical components of the remedy shall be performed	The annual site-wide inspection satisfies this requirement	Yes
Vegetable gardens and farming on the property are prohibited	There are no vegetable gardens or farming occurring at the property	Yes
The site owner or remedial party will submit to NYSDEC a written statement that certifies, under penalty of perjury, that: (1) controls employed at the Controlled Property are unchanged from the previous certification or that any changes to the controls were approved by the NYSDEC; and, (2) nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMP. NYSDEC retains the right to access such Controlled Property at any time in order to evaluate the continued maintenance of any and all controls. This certification shall be submitted annually, or an alternate period of time that NYSDEC may allow and will be made by an expert that the NYSDEC finds acceptable.	The certifications attached to this PRR satisfy this requirement.	Yes

4.1.3 Corrective Measures

Since no deficiencies were noted in the IC/ECs, no corrective measures are necessary.

4.1.4 Conclusions and Recommendations

IC/ECs remain compliant and effective.

4.2 IC/EC CERTIFICATION

The completed forms certified by the Owner, Remedial Party, Designated Representative, and Professional Engineer for the Owner/Remedial Party are presented as Attachment C to this report.

5.0 MONITORING PLAN COMPLIANCE

5.1 COMPONENTS OF THE MONITORING PLAN

The purpose of this groundwater monitoring event was to collect specific groundwater parameters (pH, dissolved oxygen, etc.), and analyze groundwater samples for Volatile Organic Compounds (VOCs), Semi-Volatile Organic Compounds (SVOCs), and Metals. The scope was dictated by the requirements set forth in the SMP. The SMP requires periodic sampling of Monitoring Wells (MWs) 5, 7, 8, and 9 at the Site.

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During this monitoring event, the following activities were performed at the Site:

- Locate and assess the general condition of each monitoring well
- Measure the concentration of volatile vapors within each well riser
- Measure the depth to groundwater at each monitoring well location
- If biofouling or silt accumulation is observed, the well will be physically agitated/surged and redeveloped
- Purge and sample wells with a peristaltic pump using low-flow methodologies
- Use a real-time water quality monitoring meter to record field parameters (pH, temperature, turbidity, dissolved oxygen, oxidation reduction potential, and specific conductance) at each well location
- Collect a groundwater sample to be submitted for analysis of TCL VOCs via USEPA method 8260, TCL SVOCs via USEPA method 8270, and TAL metals via USEPA method 6010 /7470 from each well location
- If an event renders a well unusable, it will be properly decommissioned and replaced

Groundwater monitoring activities to assess natural attenuation are currently being performed in accordance with the SMP. The following table lists the wells and parameters for analysis:

Well ID	Parameters
MW-5	TCL VOCs + TICs, TCL SVOCs + TICs, and TAL Metals
MW-7	TCL VOCs + TICs, TCL SVOCs + TICs, and TAL Metals
MW-8	TCL VOCs + TICs, TCL SVOCs + TICs, and TAL Metals
MW-9	TCL VOCs + TICs, TCL SVOCs + TICs, and TAL Metals

AECC personnel used a peristaltic pump to purge the wells via low-flow methodologies. After the turbidity appeared to stabilize, a multi-function water quality meter was used to record field parameters, including: temperature, pH, specific conductance, dissolved oxygen, redox potential, and turbidity (see Section 3.2). Once field parameters had stabilized according to values and methods established in the SMP (Appendix I – QAPP), the groundwater was transferred directly from the end of the pump tubing into laboratory-supplied vials, glass jars, and plastic bottles (with appropriate preservative chemicals, as necessary).

Analysis of applicable field duplicates, matrix spike / matrix spike duplicates (MS/MSD), and trip blanks was performed according to the protocol defined in the SMP. During this round of sampling, the field duplicate (MW-D) was a split sample originating from monitoring well MW-5.

Once collected, the groundwater samples were labeled and placed on ice in coolers. After all samples had been collected, the coolers were packed and shipped via FedEx under strict chain-of-custody procedures for delivery to ALS Environmental (ALS), located in Rochester, New York.

After all monitoring activities were complete, the well caps and steel covers were replaced. Grossly contaminated purge water, used tubing, and other solid waste were placed in a 55-gallon drum on Site.

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5.2 SUMMARY OF MONITORING DURING THE REPORTING PERIOD

Since only one sampling event was required in 2020, the results of monitoring are presented in this PRR, in lieu of a separate groundwater monitoring event report. Note that the sampling event for Calendar Year 2020 was actually performed on January 20, 2021.

5.3 DATA USABILITY SUMMARY REPORT

Per the SMP, the validity of the data generated during each monitoring event must be evaluated by a qualified data usability reviewer responsible for determining the usability and acceptability of the analytical data, in accordance with NYSDEC-DUSR Guidance.

Mr. Don Anne, of Alpha Geoscience, who meets the standard of a qualified data usability reviewer, prepared the DUSR for this monitoring event. The DUSR has been included as Attachment F of this report. The Summary of Groundwater Analytical Data tables (Tables 1-3) attached to this report include the added qualifiers from the DUSR review process.

The DUSR contains the following notes of particular significance:

> *The data package contained the documentation as required by NYSDEC ASP. The proper chain of custody procedures were followed by the samplers. All information appeared legible and complete. The data pack contained the results for volatile analyses for 4 ground water samples, 1 field duplicate, and 1 trip blank, and the results for semi-volatile and TAL metal analyses for 4 groundwater samples and 1 field duplicate.*
>
> *The overall performances of the analyses are acceptable. ALS Environmental-Rochester Laboratory did fulfill the requirements of the analytical methods.*
>
> *The data are mostly acceptable with some issues that are identified in the accompanying data validation reviews. The following data were qualified:*
>
> - *The "not detected" semi-volatile results for 2,4-dimethylphenol were qualified as estimated (UJ) in all 4 ground water samples and field duplicate because 2 of 2 percent recoveries for 2,4-dimethylphenol were below QC limits, but not below 30% in the associated aqueous LCS/LCSD.*
> - *The "not detected" semi-volatile results for all target compounds were qualified as rejected, unusable (R) in samples MW-5, MW-7, MW-8, MW-9, and MW-D because the samples were re-extracted beyond USEPA SW-846 holding times and were greater than 2 times the holding time.*
> - *The positive semi-volatile result for naphthalene was qualified estimated (J) in sample MW-8 because the sample was re-extracted beyond USEPA SW-846 holding times and was greater than 2 times the holding time.*
> - *The "not detected" semi-volatile result for 2-chlorophenol was qualified as estimated (UJ) in sample MW-7 because 1 of 2 percent recoveries for 2-chlorophenol was below QC limits, but not below 30% in the aqueous MS/MSD sample.*

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- *The positive metal results for potassium were qualified as "estimated" (J) in all 4 groundwater samples and the field duplicate because %D for potassium was above the allowable maximum in the associated aqueous serial dilution sample and the results were above the PQL.*

All data that are not qualified rejected, unusable (R) are considered usable with estimated (J or UJ) data associated with a higher level of quantitative uncertainty. Detailed information on data quality is included in the data validation reviews.

5.3 COMPARISONS WITH REMEDIAL OBJECTIVES

5.3.1 Assessment of Analytical Data

The following table summarizes all exceedances of applicable NYSDEC groundwater standards and guidance values published in the NYSDEC Division of Water Technical and Operations Guidance Series (TOGS) Memorandum 1.1.1 during the calendar year 2020 sampling event:

Well ID	Well Location / Description	VOC/SVOC Exceedances	Metals Exceedances
MW-5	Northwestern perimeter of Site (Upgradient of contaminant plume)	None	Sodium
MW-7	East-Southern portion of Site (Downgradient of contaminant plume)	None	Iron Magnesium Sodium Thallium
MW-8	Center-West portion of Site (within contaminant plume)	Benzene Ethylbenzene Isopropylbenzene Tolune Xylenes Naphthalene Bis(2-ethylhexyl)phthalate	Iron Manganese Sodium
MW-9	Center-East portion of Site (approximate edge of contaminant plume)	None	Iron Sodium

Summary tables are included as Attachment D. The full laboratory report is included as Attachment E of this report.

VOCs

Gasoline-related contamination remains at monitoring well location MW-8. The primary contaminants of concern are Benzene, Toluene, Ethylbenzene, Xylene (collectively referred to as "BTEX"), and their breakdown compounds. The compounds detected at this well were also detected above TOGs standards/guidelines during 2018 sampling. It is particularly notable that:

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- The concentrations of VOCs at MW-9 remain below their respective TOGS standards (several VOCs and SVOCs were above their respective TOGS standards in 2012)
- MW-5 and MW-7 remain relatively uncontaminated

SVOCs

Bis(2-ethylhexylphthalate) was detected at a concentration above its respective TOGS standard at MW-8. Bis(2-ethylhexylphthalate) has been detected sporadically throughout all of the wells except for MW-5.

Metals

There were similar detections of metals at concentrations exceeding applicable TOGS standards and guidance values during the 2018 and 2019 sampling events. The source of these metals is likely the fill that was historically imported to the Site.

Elevated concentrations of iron and manganese continues to be detected by laboratory analysis at monitoring wells MW-8 and MW-9 (below the applicable TOGS Standard at MW-9 during this round of sampling), suggesting that biodegradation is likely occurring at those locations.

The high sodium concentrations of groundwater detected in all groundwater samples collected during this and past monitoring events is likely naturally-occurring (the City of Syracuse's nickname is "The Salt City").

5.3.2 Comparison of Analytical Data to Previous Analytical Results

BTEX and other gasoline-related VOCs have been consistently detected in samples collected from monitoring wells MW-8 and MW-9. The following tables and graphs depict the trend in total VOCs and BTEX concentration over the course of the 2012, 2018, 2019, and 2020 sampling events. Such tables and graphs are not appropriate for MW-5 and MW-7 as significant VOC contamination has not been discovered at those monitoring well locations.

Monitoring Well MW-8

As shown on the following table and charts, the average individual BTEX and total VOC concentrations detected at MW-8 decreased compared to the 2019 sampling events; and have declined significantly since 2012.

Compound	2012	2018 Q1	2018 Q2	2018 Q3	2018 Q4	2019 Q1	2019 Q2	2020
Benzene	49.4	5.7	44.1	34.2	BRL	7	29	5.2
Ethylbenzene	404	157	342	352	160	120	300	220
Toluene	109	15.6	42.9	49.4	15	15	62	16
Xylenes	689	763	865	714	730	266	930	242
Total VOCs	4,862	3,559	4,976	4,118	3,201	1,222	1,924	844

All concentrations are in micrograms per liter (ug/L) or approximate parts per billion (ppb)
BRL = Below Reporting Limit

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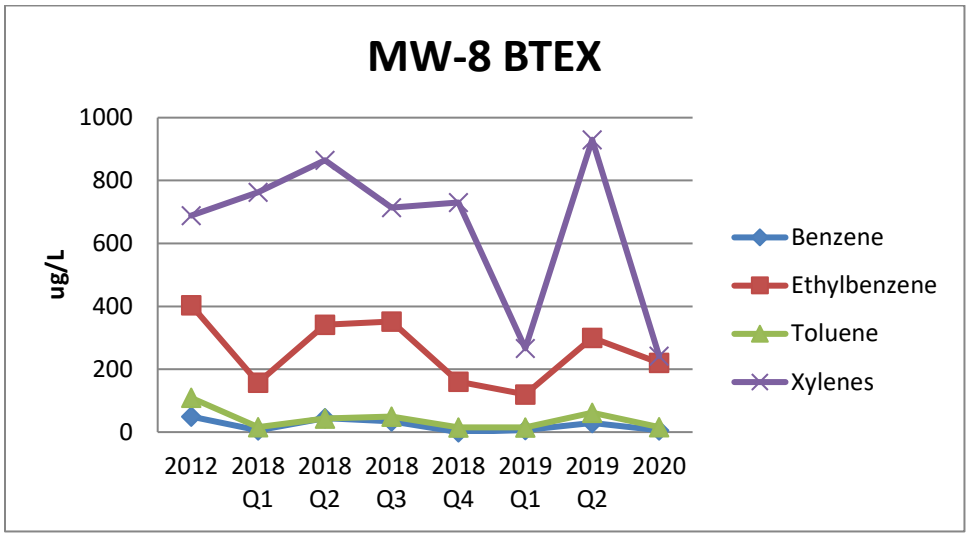

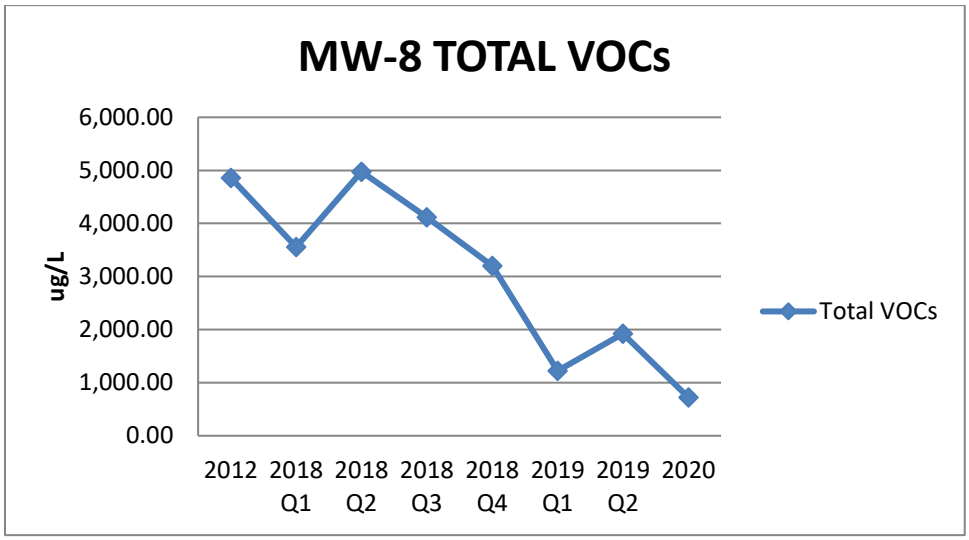

Monitoring Well MW-9

As shown on the following table and charts, the average individual BTEX and total VOC concentrations at MW-9 decreased slightly compared to the 2019 monitoring event, and have declined by 1 to 2 orders of magnitude since 2012. All VOC concentrations identified since the March 2018 sampling event have been less than their applicable groundwater standards.

Compound	2012	2018 Q1	2018 Q2	2018 Q3	2018 Q4	2019 Q1	2019 Q2	2020
Benzene	3.62	0.33	0.79	BRL	0.3	0.3	0.5	0.24
Ethylbenzene	21.7	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Toluene	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Xylenes	25.1	0.62	0.6	BRL	BRL	0.27	0.46	0.20
Total VOCs	988	101	51	105	132	156	16	3.3

All concentrations are in micrograms per liter (ug/L) or approximate parts per billion (ppb)
BRL = Below Reporting Limit

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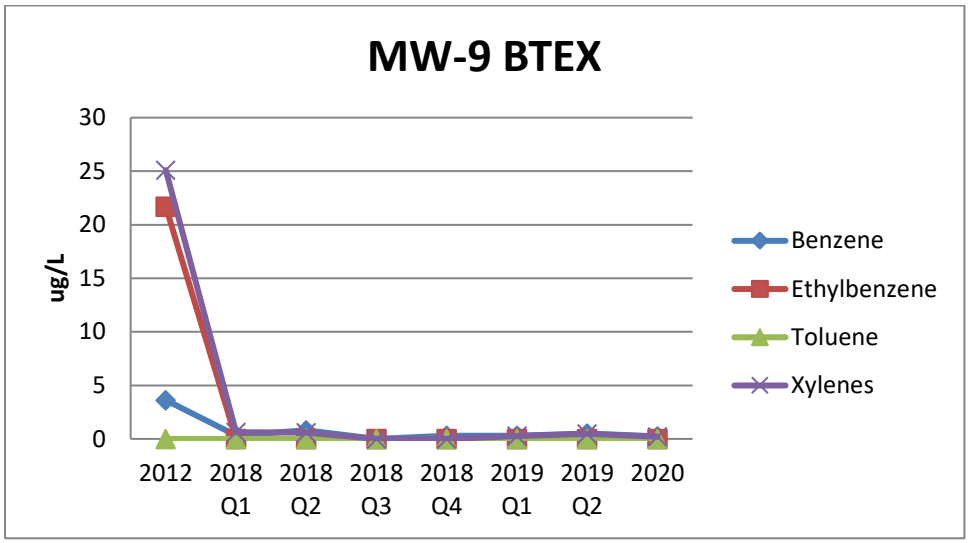

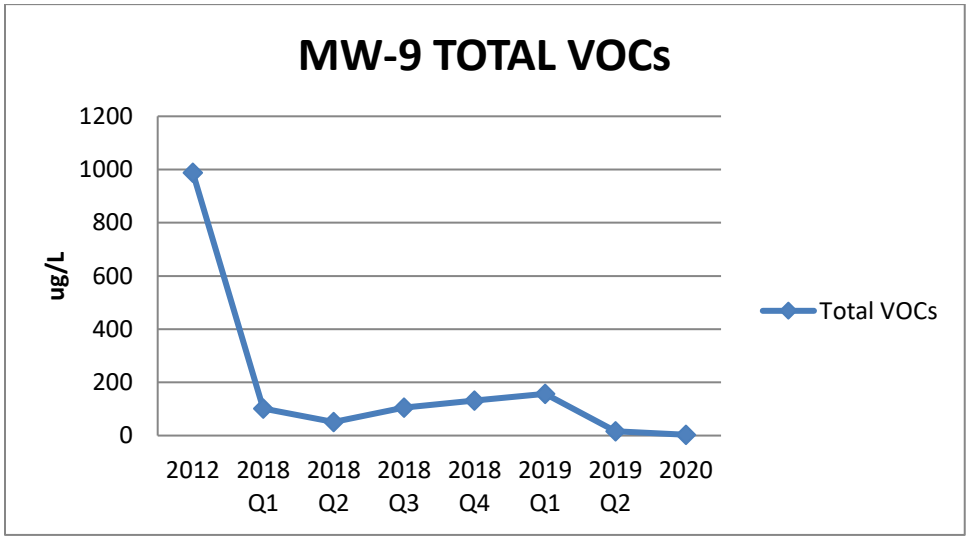

5.3.3 Assessment of Field-Measured Parameters

On the day of the sampling, once the well caps were removed, AECC used a photo-ionization detector (PID) to measure the concentration of volatile vapors that had accumulated at the top of each well. A summary of volatile vapor detections from each of the four wells is included in the following table, alongside the previous three monitoring event results, for comparison:

Monitoring Well	Peak PID Reading (ppmV)			
	Dec 5, 2018	Mar 14, 2019	June 3, 2019	Jan 20, 2021
MW-4	0.0	0.0	0.0	0.0
MW-5	0.0	0.0	0.0	0.0
MW-6	0.0	0.0	0.0	0.0
MW-7	0.0	*	0.0	0.0
MW-8	919	534	458.7	1070
MW-9	1.9	0.1	0.0	0.0

**Well repair activities at MW-7 prevented a PID reading from that location*

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A noticeable petroleum odor was observed when the well cap was removed from MW-8. No petroleum odors were observed when the well covers and caps were removed from the remaining wells.

The following table summarizes the depth to groundwater during the past four monitoring events, for comparison:

Monitoring Well	Depth to Groundwater (from top of riser)			
	Dec 5, 2018	Mar 14, 2019	June 3, 2019	Jan 20, 2021
MW-4*	9.33'	9.69'	10.01'	10.46'
MW-5	8.25'	8.04'	9.91'	8.72'
MW-6*	9.25'	8.13'	11.00'	8.82'
MW-7^	12.96'	13.72'	13.66'	14.05'
MW-8	10.84'	11.68'	11.87'	12.10'
MW-9	13.90'	14.73'	14.64'	14.67'

*Although monitoring wells MW-4 and MW-6 are not part of the groundwater monitoring scope detailed in the SMP, AECC measured groundwater elevations at these two wells during this sampling event to better define the groundwater flow across the Site.
^The well repair at MW-7 that occurred during the March 2019 monitoring event may have impacted relative riser height

Groundwater contours are presented in Figure 2. The contours reveal that groundwater generally flows from the northwest to southeast, similar to past monitoring events.

Also consistent with past monitoring events, each of the wells exhibited a low recharge rate.

Groundwater parameters were evaluated for comparison between different monitoring well locations and across time. Data was also compared to MNA indicators and values established by the EPA and discussed in the New Jersey Department of Environmental Protection's Monitored Natural Attenuation Technical Guidance document, dated March 2012.

Groundwater parameters from the past four sampling events are presented in the summary table below:

Parameter	Monitoring Event			
	12/5/2018	3/14/2019	6/3/2019	1/20/2021
Monitoring Well MW-5				
Temperature (°C)	12.30	7.28	11.85	11.07
pH	7.13	6.89	7.03	6.44
Specific Conductance (mS/cm)	2.90	6.73	4.18	4.22
Dissolved Oxygen (mg/L)	2.58	5.48	5.64	8.04
RedOx Potential (mV)	124	118	111	59
Turbidity (NTU)	3.9	0.4	38.9	33
Monitoring Well MW-7				
Temperature (°C)	13.70	12.10	13.19	13.35
pH	6.67	6.89	6.90	6.21
Specific Conductance (mS/cm)	3.61	4.21	4.80	6.71
Dissolved Oxygen (mg/L)	0.00	1.38	0.53	0.87
RedOx Potential (mV)	29	-114	-17	-106
Turbidity (NTU)	2.4	7.9	3.9	1.1

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Parameter	Monitoring Event			
	12/5/2018	3/14/2019	6/3/2019	1/20/2021
Monitoring Well MW-8				
Temperature (°C)	12.93	11.20	12.61	12.58
pH	6.82	6.94	6.91	6.58
Specific Conductance (mS/cm)	1.59	1.42	1.41	1.52
Dissolved Oxygen (mg/L)	0.00	1.12	0.00	6.95
RedOx Potential (mV)	-144	-189	-92	-123
Turbidity (NTU)	2.9	0.0	0.0	5.3
Monitoring Well MW-9				
Temperature (°C)	13.49	12.90	12.78	11.97
pH	6.85	6.96	6.93	6.50
Specific Conductance (mS/cm)	2.82	3.42	3.37	1.78
Dissolved Oxygen (mg/L)	0.00	2.96	3.15	5.50
RedOx Potential (mV)	-82	-147	-29	-75
Turbidity (NTU)	4.7	47.4	21.5	34.5

Temperature

Groundwater temperature influences the metabolic activity of microorganisms in groundwater, and warmer groundwater can both encourage further bacterial degradation and be a result of the breakdown process.

Groundwater temperatures fluctuated seasonally over the course of 2018 and 2019. Within specific monitoring events, groundwater tends to be coolest at the upgradient (MW-5) location. It is possible that the down-gradient warming trend is due to exothermic degradation of petroleum compounds (the biodegradation process).

pH

The pH influences the presence and activity of the microbial population in groundwater. Microorganisms capable of degrading hydrocarbons generally prefer pH values varying from 6 to 8 standard units, while a range between 5 and 9 is generally necessary for any aerobic or anaerobic process to occur, as they are pH sensitive.

The pH values measured at all four monitoring wells have been relatively neutral, and are within the preferred range for microbial degradation to occur. The measured pH at the up-gradient location (MW-5) generally remains highest when compared to the other monitoring wells.

Specific Conductance

Groundwater conductivity is directly proportional to the ions in a solution. Significant trends in specific conductance as they relate to the biodegradation process have not been observed to date.

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Dissolved Oxygen

Biodegradation occurs differently in two environments: anaerobic (less than 0.5 mg/L) or aerobic (greater than 0.5 mg/L) conditions.

Where aerobic biodegradation of fuel constituents is occurring, microorganisms utilize available oxygen as they biodegrade BTEX (and other petroleum compounds), and any oxygen entering this zone is rapidly depleted. Thus, an inverse correlation between DO and BTEX concentrations is an indication that aerobic biodegradation is occurring in the subsurface.

Dissolved oxygen readings during the 2020 monitoring event were significantly higher than the 2018 and 2019 sampling events, and all four wells exhibited DO readings greater than 0.5 mg/L. Further monitoring may reveal if the elevated DO readings measured during the 2020 monitoring event are an anomaly, or the start of a new trend.

Oxidation Reduction Potential

The ORP values in groundwater commonly vary from -400 mV to as much as 800 mV, but certain biodegradation processes can only occur within a specific range of ORP conditions. Lower ORP values in groundwater suggest the occurrence of biodegradation. In general, ORP values less than -100 mV are a strong indicator that biodegradation is occurring.

The historic ORP values at MW-8 have consistently remained near or less than -100 mV, and this trend continued during 2020 (-123 mV).

Turbidity

A turbidity of less than 50 NTU is necessary to ensure that suspended sediment does not influence the analytical results of groundwater analysis.

Turbidity levels greater than 50 NTU were not observed during the 2020 sampling event.

5.4 MONITORING DEFICIENCIES

No deficiencies were noted during the 2020 calendar year. Note that the sampling event for Calendar Year 2020 was actually performed on January 20, 2021. This is not considered a deficiency since the reporting period officially ended on March 3, 2021.

5.5 CONCLUSIONS AND RECOMMENDATIONS

With the exception of bis(2-ethylhexyl)phthalate at MW-7 in 2019, no petroleum VOCs or SVOCs have been detected in MW-5 or MW-7 since September 2018.

Although BTEX concentrations remain stable to slightly decreasing, total VOC concentrations continue to decrease at monitoring well MW-8. It is likely that trends in BTEX concentrations at MW-8 will verify that MNA remains a viable method of remediating the Site.

As seen in the comparison of analytical data from this 2020 monitoring period to the previous data (2012, 2018, and 2019), natural attenuation has resulted in a significant reduction of contamination in the area of MW-9. Detected concentrations of VOCs and SVOCs at MW-9 have been below applicable groundwater standards and guidance values since 2018.

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In accordance with the site's SMP, monitoring in 2021 will consist of a single annual event in the Fall or early Winter.

6.0 OPERATIONS & MAINTENANCE PLAN COMPLIANCE

The remedial program does not include any equipment that is subject to an O&M Plan.

7.0 OVERALL PRR CONCLUSIONS AND RECOMMENDATIONS

7.1 COMPLIANCE WITH SMP

7.1.1 IC/ECs

Requirements of the SMP as it pertains to IC/ECs were met during the reporting period. The next PRR report will pertain to the 2021 calendar year, with an anticipated date of completion of March 2022.

7.1.2 Monitoring

The requirements of the SMP and applicable groundwater monitoring were met during the reporting period.

In accordance with the site's SMP, monitoring in 2021 will consist of a single event. The next monitoring event is scheduled to occur in Fall or early Winter 2021.

7.1.3 O&M

There are no O&M requirements associated with the remedial program.

7.2 PERFORMANCE AND EFFECTIVENESS OF THE REMEDY

The remedial strategy (including all engineering and institutional controls) continues to be an appropriate method of controlling exposure to remaining contamination in the subsurface.

Continuing performance of the remedy will be documented per the SMP.

7.3 FUTURE PRR SUBMITTALS

The requirements for site closure have not been met, as contamination of subsurface soil and groundwater remains at the Site. At this time, the frequency of PRRs will remain unchanged (Annual). It is anticipated that the next PRR will be completed in March 2022.

(continued on following page)

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8.0 CLOSING

This Periodic Review Report must be submitted, in hard-copy format, to the NYSDEC Central Office and Regional Office in which the site is located (Region 7 – Syracuse), and in electronic format to the NYSDEC Central Office, Regional Office and the NYSDOH Bureau of Environmental Exposure Investigation.

If you should have any questions regarding the information presented in this report, please feel free to contact our corporate office (315) 432-9400 at your convenience.

Sincerely,
Asbestos & Environmental Consulting Corporation

H. Nevin Bradford, III, P.E.
Vice President / Sr. Environmental Engineer

Richard D. McKenna
Senior Project Manager

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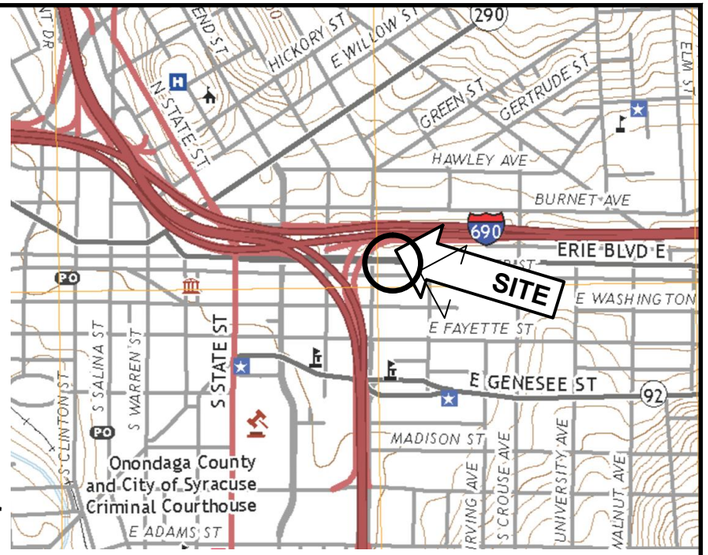
FIGURES

LEGEND:

- CHAIN LINK FENCE
- GATE POST
- FIRE HYDRANT
- STEEL SAFETY POST
- MW–#● MONITORING WELL (SAMPLED)
- MW–#● MONITORING WELL (NOT SAMPLED)



SITE LOCATION

EXISTING ASPHALT (MUNICIPAL SIDEWALK)

Erie Boulevard East

(Open - 80' Wide)

Point of Beginning

Southerly Line

Top of Granite Curbing

S 89°31'20" E 237.96'

100.0'

MW–5

MW–6

Easterly Line

18.80'

S 00°29'10" W

N 89°31'20" W 1.33'

Blue Line of the former Erie Canal

Almond Street

(Open - 66' Wide)

N 00°20'00" E 80.39'

MW–4

MW–7

61.82'

S 00°20'00" W

MW–8

MW–9

Top of Granite Curbing

100.0'

236.58'

N 89°30'50" W

Northerly Line

Utility Box

Traffic Signal Pole

EXISTING ASPHALT (MUNICIPAL SIDEWALK)

EXISTING CONCRETE (MUNICIPAL SIDEWALK)

East Water Street

(Open - 66' Wide)

NOTES:

1. SURVEY PROVIDED BY J.R.L. LAND SURVEYING, PLLC 7-31-15.
2. ALL LOCATIONS ARE APPROXIMATE.

0 20' 40'

GRAPHIC SCALE

AECC ENVIRONMENTAL CONSULTING

Asbestos & Environmental Consulting Corporation

6308 Fly Road
East Syracuse, NY 13057

PROJECT NO.	21-011
DRAWN:	APR 2021
DRAWN BY:	NP
CHECKED BY:	RW

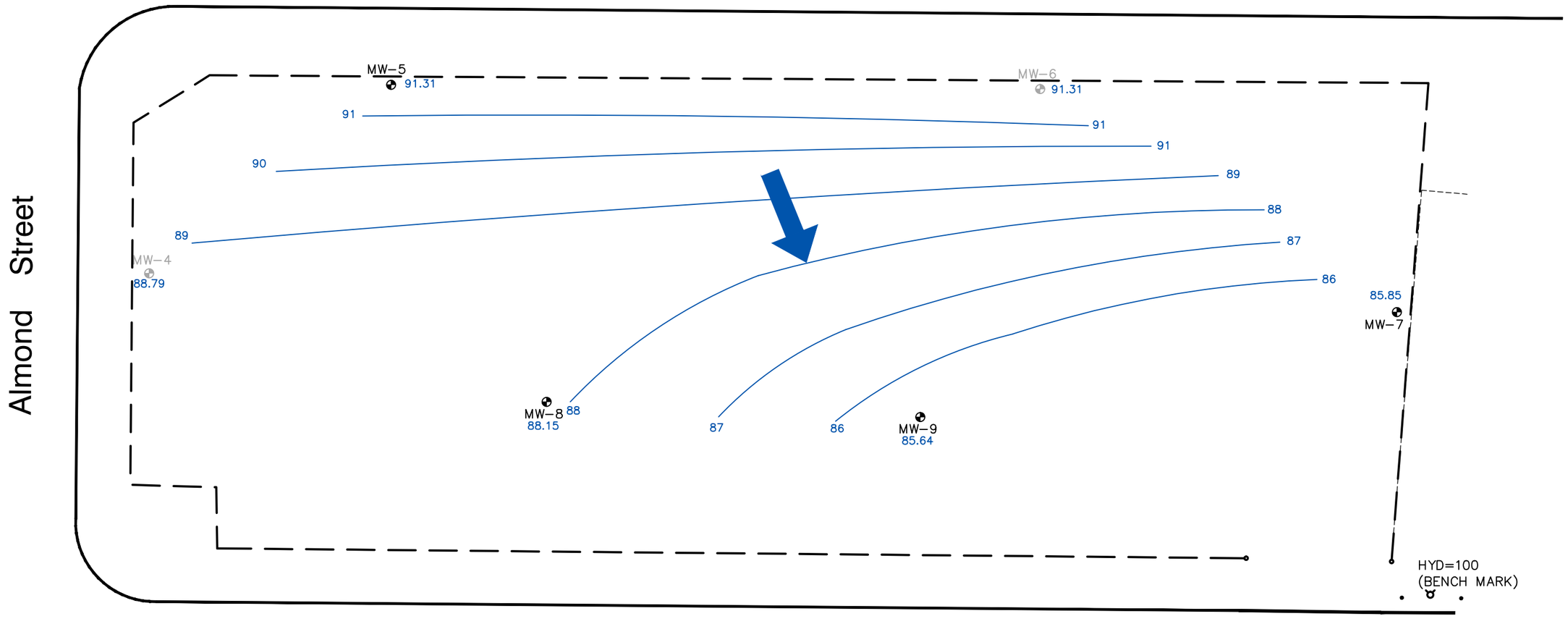
SITE PLAN

700 OUTPARCEL
701-709 EAST WATER STREET
SYRACUSE, NEW YORK

FIGURE 1

LEGEND:

- CHAIN LINK FENCE
- GATE POST
- FIRE HYDRANT
- STEEL SAFETY POST
- MW–#◓ MONITORING WELL (MEASURED AND SAMPLED)
- MW–#◓ MONITORING WELL (MEASURED, NOT SAMPLED)
- 86.62 GROUNDWATER ELEVATION RELATIVE TO BENCHMARK
- GROUNDWATER FLOW DIRECTION



East Water Street

NOTES:

1. SURVEY PROVIDED BY J.R.L. LAND SURVEYING, PLLC 7-31-15.
2. ALL LOCATIONS ARE APPROXIMATE.

0 20' 40'

GRAPHIC SCALE

AECC ENVIRONMENTAL CONSULTING
Asbestos & Environmental Consulting Corporation
6308 Fly Road
East Syracuse, NY 13057

PROJECT NO.	21-011
DRAWN:	APR. 2021
DRAWN BY:	NP
CHECKED BY:	RM

GROUNDWATER CONTOUR

700 OUTPARCEL
701-709 EAST WATER STREET
SYRACUSE, NEW YORK

FIGURE 2

ATTACHMENT A

SITE INSPECTION FORM

ANNUAL / SEVERE CONDITION SITE INSPECTION FORM

Site Name: 700 Outparcel
Inspection Date: January 20, 2021

Address: 701-709 East Water Street
Syracuse, New York
Tax ID: Section 30, Block 14 - Lots 1.0 & 2.0
Area: 0.43± acres
NYSDEC Site #: C734111

Weather During Inspection:
Temperature: 26 °F
Conditions: Mostly Cloudy

Description of Engineering Control(s) to be Inspected:

Cover System: One foot of crusher run gravel over an orange fabric demarcation barrier within fenced area. Strips of asphalt pavement outside of fenced area along the northern and eastern borders (municipal sidewalk and U-Haul parking lot). The site is used for occasional vehicular parking.

Conditions:
Describe deficiencies/remedies in the Comments section, and mark up Site Plan on Page 2 as needed

- ✓ Walk and inspect the perimeter of the Site, including the areas outside the fenced area
- ✓ Walk and inspect the cover system within the fenced area

1.	Has there been a change in use of the Site?	Y	**N**
2.	Has any material been removed?	Y	**N**
3.	Has anything been constructed on the Site?	Y	**N**
4.	Are there any signs of significant settlement or deterioration of the cover?	Y	**N**
5.	Are there any signs of erosion?	Y	**N**
6.	Is the cover material being tracked onto adjacent sidewalks/streets by vehicular traffic?	Y	**N**
7.	Has the cover material sloughed onto adjacent sidewalks or parking lots?	Y	**N**
8.	Are there any signs of intrusive activities (drilling, excavation, etc.)?	Y	**N**
9.	Are there signs that snow plowing has altered the surface of the cover?	Y	**N**
10.	Is the perimeter fence damaged?	Y	**N**
11.	Is the demarcation barrier visible in any locations?	Y	**N**
12.	Is any staining of the cover material visible (vehicle leaks, etc.)?	Y	**N**
13.	Are the flush-mounted protective casings of the 6 monitoring wells damaged or compromised?	Y	**N**
14.	Are the covers of the 6 monitoring wells damaged or compromised?	Y	**N**
15.	Have previous recommended remedies/repairs been implemented?	N/A **Y**	N

Comments:
If an inspection identifies damage to the cover or wells, it shall be reported to the NYSDEC by noon the following business day (if an emergency) or within 5 business days (if a non-emergency)

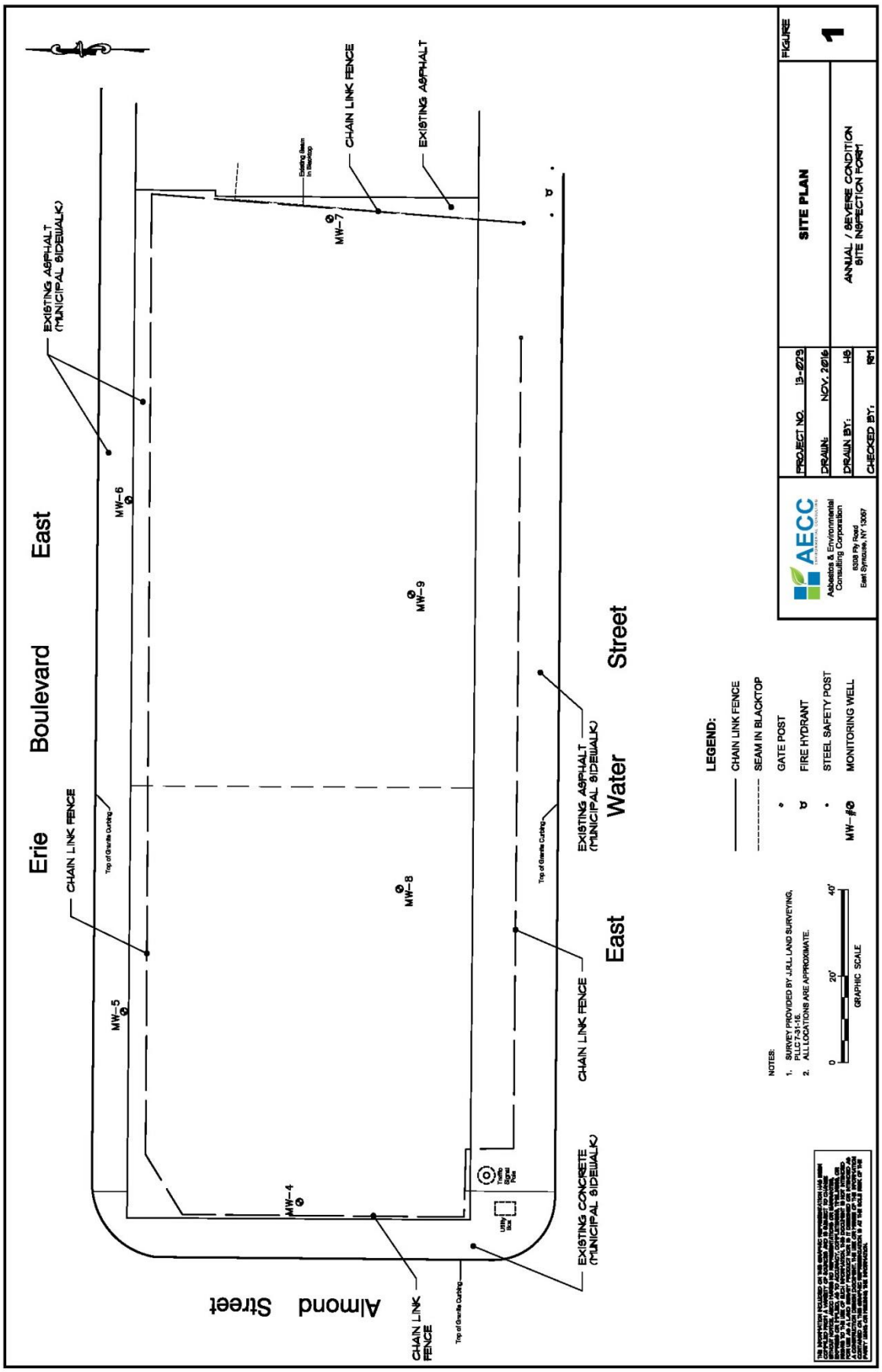
Attachments:
Photographs: **Y** N
Other (Describe): Y **N**

Name of Inspector (Print): H. Nevin Bradford, III

H. Nevin Bradford III
Signature of Inspector (Environmental Professional)

January 20, 2021
Date

ANNUAL / SEVERE CONDITION SITE INSPECTION FORM



ATTACHMENT B

SITE INSPECTION PHOTO LOG

AECC ENVIRONMENTAL CONSULTING	**700 Outparcel** **701-709 East Water Street, Syracuse, New York**	**Date:** 01/20/2021
Photo No. 1		
Photo Description:		
Looking northwest across the Site from the southeast Site access		

AECC ENVIRONMENTAL CONSULTING	**700 Outparcel** **701-709 East Water Street, Syracuse, New York**	**Date:** 01/20/2021
Photo No. 2		
Photo Description:		
Looking north from the southeastern corner of the Site.		

AECC ENVIRONMENTAL CONSULTING	**700 Outparcel** **701-709 East Water Street, Syracuse, New York**	**Date:** 01/20/2021
Photo No. 3		
Photo Description:		
Looking southeast across the Site.		

AECC ENVIRONMENTAL CONSULTING	**700 Outparcel** **701-709 East Water Street, Syracuse, New York**	**Date:** 01/20/2021
Photo No. 4		
Photo Description:		
Looking east down the public sidewalk that runs along the northern border of the Site.		

AECC ENVIRONMENTAL CONSULTING	**700 Outparcel** **701-709 East Water Street, Syracuse, New York**	**Date:** 01/20/2021
Photo No. 5		
Photo Description:		
Looking south down the fence that runs along the western border of the Site.		

AECC ENVIRONMENTAL CONSULTING	**700 Outparcel** **701-709 East Water Street, Syracuse, New York**	**Date:** 01/20/2021
Photo No. 6		
Photo Description:		
Looking east across the Site.		

AECC ENVIRONMENTAL CONSULTING	**700 Outparcel** **701-709 East Water Street, Syracuse, New York**	**Date:** 01/20/2021
Photo No. 7		
Photo Description:		
Looking west down the public sidewalk that runs along the southern border of the Site.		

ATTACHMENT C

CERTIFICATION FORMS

Enclosure 2

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form

Site Details **Box 1**

Site No. **C734111**

Site Name 700 Out Parcel, LLC

Site Address: 701-709 East Water Street Zip Code: 13202
City/Town: Syracuse
County: Onondaga
Site Acreage: 0.440

Reporting Period: March 03, 2020 to March 03, 2021

	YES	NO
1. Is the information above correct?	X	☐
If NO, include handwritten above or on a separate sheet.		
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?	☐	X
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☐	X
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	☐	X
If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.		
5. Is the site currently undergoing development?	☐	X

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Commercial and Industrial	X	☐
7. Are all ICs/ECs in place and functioning as designed?	X	☐

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative Date

Box 2A

	YES	NO
8. Has any new information revealed that assumptions made in the Qualitative Exposure Assessment regarding offsite contamination are no longer valid?	☐	☒

If you answered YES to question 8, include documentation or evidence that documentation has been previously submitted with this certification form.

9. Are the assumptions in the Qualitative Exposure Assessment still valid? (The Qualitative Exposure Assessment must be certified every five years)	☒	☐

If you answered NO to question 9, the Periodic Review Report must include an updated Qualitative Exposure Assessment based on the new assumptions.

SITE NO. C734111 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
030-14-01.0	700 Out Parcel, LLC c/o Woodbine Group	IC/EC Plan Ground Water Use Restriction Soil Management Plan Landuse Restriction Monitoring Plan Site Management Plan

Requires the remedial party or site owner to complete and submit to the Department a periodic certification of institutional and engineering controls in accordance with Part 375-1.8 (h)(3);

•allows the use and development of the controlled property for commercial as defined by Part 375-1.8(g), although land use is subject to local zoning laws;

•restricts the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by the NYSDOH or County DOH; and

•requires compliance with the Department approved Site Management Plan.

030-14-02.0	700 Out Parcel, LLC c/o Woodbine Group	Ground Water Use Restriction Soil Management Plan Monitoring Plan Site Management Plan Landuse Restriction IC/EC Plan

Requires the remedial party or site owner to complete and submit to the Department a periodic certification of institutional and engineering controls in accordance with Part 375-1.8 (h)(3);

•allows the use and development of the controlled property for commercial as defined by Part 375-1.8(g), although land use is subject to local zoning laws;

•restricts the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by the NYSDOH or County DOH; and

•requires compliance with the Department approved Site Management Plan.

Box 4

Description of Engineering Controls

Parcel	Engineering Control
030-14-01.0	Cover System
A site cover will be required to allow for commercial use of the site. The cover will consist either of the structures such as buildings, pavement, sidewalks comprising the site development or a soil cover in areas where the upper two feet of exposed surface soil will exceed the applicable soil cleanup objectives (SCOs). Where the soil cover is required it will be a minimum of one foot of soil, meeting the SCOs for cover material as set forth in 6 NYCRR Part 375-6.7(d) for commercial use. The soil cover will be placed over a demarcation layer, with the upper six inches of the soil of sufficient quality to maintain a vegetation layer. Any fill material brought to the site will meet the requirements for the identified site use as set forth in 6 NYCRR Part 375-6.7(d).	
030-14-02.0	Cover System
A site cover will be required to allow for commercial use of the site. The cover will consist either of the structures such as buildings, pavement, sidewalks comprising the site development or a soil cover in areas where the upper two feet of exposed surface soil will exceed the applicable soil cleanup objectives (SCOs). Where the soil cover is required it will be a minimum of one foot of soil, meeting the SCOs for cover material as set forth in 6 NYCRR Part 375-6.7(d) for commercial use. The soil cover will be placed over a demarcation layer, with the upper six inches of the soil of sufficient quality to maintain a vegetation layer. Any fill material brought to the site will meet the requirements for the identified site use as set forth in 6 NYCRR Part 375-6.7(d).	

Box 5

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

   a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;

   b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and compete.

YES	NO
☒	☐

2. If this site has an IC/EC Plan (or equivalent as required in the Decision Document), for each Institutional or Engineering control listed in Boxes 3 and/or 4, I certify by checking "YES" below that all of the following statements are true:

   (a) the Institutional Control and/or Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

   (b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

   (c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

   (d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

   (e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES	NO
☒	☐

IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

	3/31/2021
Signature of Owner, Remedial Party or Designated Representative	Date

IC CERTIFICATIONS
SITE NO. C734111

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1,2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Norman E. Swanson (print name) at 505 E. Fayette Street, Syracuse, NY (print business address),

am certifying as Owner of 700 Out Parcel, LLC (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.

Signature of Owner, Remedial Party, or Designated Representative Rendering Certification

31/03/21
Date

IC/EC CERTIFICATIONS

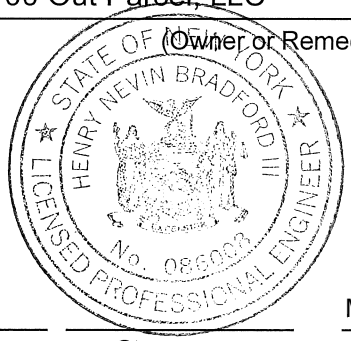
Box 7

Professional Engineer Signature

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I H. Nevin Bradford III (print name) at 7870 Camerra Way, Baldwinsville, NY (print business address),

am certifying as a Professional Engineer for the 700 Out Parcel, LLC (Owner or Remedial Party)



Signature of Professional Engineer, for the Owner or Remedial Party, Rendering Certification

Stamp (Required for PE)

March 29, 2021
Date

ATTACHMENT D

ANALYTICAL SUMMARY TABLES

GENERAL NOTES / LEGEND

Applicable standard is the groundwater effluent (Class GA) guidance value or standard per NYSDEC Technical and Operational Guidance Series 1.1.1 (TOGS 1.1.1)

Acronym	Meaning
BRL	Below Reportable Limit (non-detect)
NS	No TOGS 1.1.1 Guidance Value or Standard for this compound
ND	Any detectable concentration by the approved analytical methods constitutes an exceedance of the GWS
Bold + Shading	Compound concentration exceeds the applicable GWS

Qualifier	Quality Implication
	Lab-qualified data is shown in black, data qualified by the data qualifer is shown in red
U	Analyte analyzed for, but not detected above the sample's reported quantitation limit
J	Analyte positively identified at a numerical value that is the approximate concentration of the analyte in the sample
J +	Sample likely to have a high bias
J –	Sample likely to have a low bias
UJ	Analyte not detected above the sample quantitation limit; the associated quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample
N	The analysis indicates the present of an analyte for which there is presumptive evidence to make a "tentative identification."
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.
R	Sample result rejected due to serious deficiency in ability to analyze sample and meet quality control criteria; the presence or absence of the analyte cannot be confirmed. This qualifier also may apply when more than one sample result is generated for a target analyte (*i.e.* , dilutions or re-analyses), the most technically acceptable result is considered acceptable.
B | EB **TB | BB**	An analyte identified in method blank (B), aqueous equipment (EB), trip (TB), or bottle blanks (BB) used to assess field contamination associated with soil or sediment samples mandates these qualifiers for only soil and sediment sample results.
P	Use professional judgment based on data use. It usually has an "M" with it, which indicates that a manual check should be made if the data that are qualified with the "P" are important to the data user. In addition, "PM" also means a decision is necessary from the Project Manager (or a delegate) concerning the need for further review of the data (*see below*).
PM	A manual review of the raw data is recommended to determine if the defect affects data use, as in "R" above. This review should include consideration of potential affects that could result from using the "P" qualified data. For example, in the case of holding-time exceedance, the Project Manager or delegate can decide to use the data with no qualification when analytes of interest are known not to be adversely affected by holding-time exceedances. Another example is the case where soil sample duplicate analyses for metals exceed the precision criteria; because this is likely due to sample non-homogeneity rather than contract laboratory error, then the manager or delegate must decide how to use the data.

TABLE 1
Groundwater Analyses Summary - VOCs
Method SW-846 8260

Groundwater Monitoring - 2020
700 Out Parcel, Syracuse, NY
BCP#: C734111
AECC Project No. 21-011

ANALYTES		APPLICABLE STANDARD		SAMPLE LOCATION / DATE				
Volatile Organic Compounds	CAS No.	Standard	Guidance Value	MW-5	MW-D (MW-5)	MW-7	MW-8	MW-9
				01/20/21	01/20/21	01/20/21	01/20/21	01/20/21
1,1,2-Trichlorotrifluoroethane (Freon 113)	76-13-1	5	-	BRL	BRL	BRL	BRL	BRL
Acetone	67-64-1	NS	50	BRL	BRL	BRL	22	BRL
Acrylonitrile	107-13-1	5	-	BRL	BRL	BRL	BRL	BRL
Benzene	71-43-2	1	-	BRL	BRL	BRL	**5.2**	0.24 J
Bromobenzene	108-86-1	5	-	BRL	BRL	BRL	BRL	BRL
Bromochloromethane	74-97-5	5	-	BRL	BRL	BRL	BRL	BRL
Bromodichloromethane	75-27-4	NS	50	BRL	BRL	BRL	BRL	BRL
Bromoform	75-25-2	NS	50	BRL	BRL	BRL	BRL	BRL
Bromomethane	74-83-9	5	-	BRL	BRL	BRL	BRL	BRL
2-Butanone (MEK)	78-93-3	NS	50	BRL	BRL	BRL	12 J	BRL
n-Butylbenzene	104-51-8	5	-	BRL	BRL	BRL	BRL	BRL
sec-Butylbenzene	135-98-8	5	-	BRL	BRL	BRL	BRL	BRL
tert-Butylbenzene	98-06-6	5	-	BRL	BRL	BRL	BRL	BRL
Carbon disulfide	75-15-0	NS	NS	BRL	BRL	BRL	BRL	BRL
Carbon tetrachloride	56-23-5	5	-	BRL	BRL	BRL	BRL	BRL
Chlorobenzene	108-90-7	5	-	BRL	BRL	BRL	BRL	BRL
Chloroethane	75-00-3	5	-	BRL	BRL	BRL	BRL	BRL
Chloroform	67-66-3	7	-	BRL	BRL	BRL	BRL	BRL
Chloromethane (methyl chloride)	74-87-3	5	-	BRL	BRL	BRL	BRL	BRL
2-Chlorotoluene	95-49-8	5	-	BRL	BRL	BRL	BRL	BRL
4-Chlorotoluene	106-43-4	5	-	BRL	BRL	BRL	BRL	BRL
Cyclohexane	110-82-7	NS	NS	0.85 J	0.89 J	BRL	120	BRL
1,2-Dibromo-3-chloropropane	96-12-8	0.04	-	BRL	BRL	BRL	BRL	BRL
Dibromochloromethane	124-48-1	NS	50	BRL	BRL	BRL	BRL	BRL
1,2-Dibromoethane (EDB)	106-93-4	0.0006	-	BRL	BRL	BRL	BRL	BRL
Dibromomethane	74-95-3	5	-	BRL	BRL	BRL	BRL	BRL
1,2-Dichlorobenzene	95-50-1	3	-	BRL	BRL	BRL	BRL	BRL
1,3-Dichlorobenzene	541-73-1	3	-	BRL	BRL	BRL	BRL	BRL
1,4-Dichlorobenzene	106-46-7	3	-	BRL	BRL	BRL	BRL	BRL
Dichlorodifluoromethane (Freon12)	75-71-8	5	-	BRL	BRL	BRL	BRL	BRL
1,1-Dichloroethane	75-34-3	5	-	BRL	BRL	BRL	BRL	BRL
1,2-Dichloroethane	107-06-2	0.6	-	BRL	BRL	BRL	BRL	BRL
1,1-Dichloroethene	75-35-4	5	-	BRL	BRL	BRL	BRL	BRL
cis-1,2-Dichloroethene	156-59-2	5	-	BRL	BRL	BRL	BRL	BRL
trans-1,2-Dichloroethene	156-60-5	5	-	BRL	BRL	BRL	BRL	BRL
1,2-Dichloropropane	78-87-5	1	-	BRL	BRL	BRL	BRL	BRL
1,3-Dichloropropane	142-28-9	5	-	BRL	BRL	BRL	BRL	BRL
2,2-Dichloropropane	594-20-7	5	-	BRL	BRL	BRL	BRL	BRL
1,1-Dichloropropene	563-58-6	5	-	BRL	BRL	BRL	BRL	BRL
cis-1,3-Dichloropropene	10061-01-5	0.4**	-	BRL	BRL	BRL	BRL	BRL
trans-1,3-Dichloropropene	10061-02-6		-	BRL	BRL	BRL	BRL	BRL
Ethylbenzene	100-41-4	5	-	BRL	BRL	BRL	**220**	BRL
Hexachlorobutadiene	87-68-3	0.5	-	BRL	BRL	BRL	BRL	BRL
2-Hexanone (MBK)	591-78-6	NS	50	BRL	BRL	BRL	BRL	BRL
Isopropylbenzene	98-82-8	5	-	BRL	BRL	BRL	**37**	0.6 J
4-Isopropyltoluene	99-87-6	5	-	BRL	BRL	BRL	BRL	BRL
Methyl tert-butyl ether	1634-04-4	NS	NS	BRL	BRL	BRL	BRL	BRL
4-Methyl-2-pentanone (MIBK)	108-10-1	NS	NS	BRL	BRL	BRL	BRL	BRL
Methylcyclohexane	108-87-2	NS	NS	BRL	0.69 J	BRL	170	2.3
Methylene chloride	75-09-2	5	-	BRL	BRL	BRL	BRL	BRL
Naphthalene	91-20-3	NS	10	BRL	BRL	BRL	BRL	BRL
n-Propylbenzene	103-65-1	5	-	BRL	BRL	BRL	BRL	BRL
Styrene	100-42-5	5	-	BRL	BRL	BRL	BRL	BRL
1,1,1,2-Tetrachloroethane	630-20-6	5	-	BRL	BRL	BRL	BRL	BRL
1,1,2,2-Tetrachloroethane	79-34-5	5	-	BRL	BRL	BRL	BRL	BRL
Tetrachloroethene	127-18-4	5	-	BRL	BRL	BRL	BRL	BRL
Toluene	108-88-3	5	-	BRL	BRL	BRL	**16**	BRL
1,2,3-Trichlorobenzene	87-61-6	5	10*	BRL	BRL	BRL	BRL	BRL
1,2,4-Trichlorobenzene	120-82-1	5	10*	BRL	BRL	BRL	BRL	BRL
1,3,5-Trichlorobenzene	108-70-3	5	10*	BRL	BRL	BRL	BRL	BRL
1,1,1-Trichloroethane	71-55-6	5	-	BRL	BRL	BRL	BRL	BRL
1,1,2-Trichloroethane	79-00-5	1	-	BRL	BRL	BRL	BRL	BRL
Trichloroethene	79-01-6	5	-	BRL	BRL	BRL	BRL	BRL
Trichlorofluoromethane (Freon 11)	75-69-4	5	-	BRL	BRL	BRL	BRL	BRL
1,2,3-Trichloropropane	96-18-4	0.04	-	BRL	BRL	BRL	BRL	BRL
1,2,4-Trimethylbenzene	95-63-6	5	-	BRL	BRL	BRL	BRL	BRL
1,3,5-Trimethylbenzene	108-67-8	5	-	BRL	BRL	BRL	BRL	BRL
Vinyl chloride	75-01-4	2	-	BRL	BRL	BRL	BRL	BRL
m,p-xylene	17960123-1	5	-	BRL	BRL	BRL	**200**	0.2 J
o-xylene	95-47-6	5	-	BRL	BRL	BRL	**42**	BRL
Tetrahydrofuran	109-99-9	NS	50	BRL	BRL	BRL	BRL	BRL
Ethyl ether	60-29-7	NS	NS	BRL	BRL	BRL	BRL	BRL
tert-amyl methyl ether	994-05-8	NS	NS	BRL	BRL	BRL	BRL	BRL
Ethyl tert-butyl ether	637-92-3	NS	NS	BRL	BRL	BRL	BRL	BRL
Di-isopropyl ether	108-20-3	NS	NS	BRL	BRL	BRL	BRL	BRL
tert-Butanol / butyl alcohol	75-65-0	NS	NS	BRL	BRL	BRL	BRL	BRL
1,4-Dioxane	123-91-1	NS	NS	BRL	BRL	BRL	BRL	BRL
trans-1,4-Dichloro-2-butene	110-57-6	5	-	BRL	BRL	BRL	BRL	BRL
Ethanol	64-17-5	NS	NS	BRL	BRL	BRL	BRL	BRL
Tentatively Identified Compounds (TICs)								
Total TICs		NS	NS	-	-	-	-	-
TOTAL VOCs	-	-	-	0.9	1.6	0.0	844.2	3.3

Notes:
All concentrations in micrograms per liter (ug/L)/parts per billion (ppb)
** - Value of 5 ug/L applies to each trichlorobenzene individually. Value of 10 ug/L, applies to the sum of these substances*
*** - Sum of cis and trans Dichloropropenes*
Values of "BRL" have a "U" qualifier unless otherwise noted.

TABLE 2
Groundwater Analyses Summary - SVOCs
Method SW-846 8270

Groundwater Monitoring - 2020
700 Out Parcel, Syracuse, NY
BCP#: C734111
AECC Project No. 21-011

ANALYTES		APPLICABLE STANDARD		SAMPLE LOCATION / DATE				
Semi-Volatile Organic Compounds	CAS No.	Standard	Guidance Value	MW-5	MW-D (MW-5)	MW-7	MW-8	MW-9
				01/20/21	01/20/21	01/20/21	01/20/21	01/20/21
1,1'-Biphenyl	92-52-4	5	-	BRL	BRL	BRL	BRL	BRL
1,2,4,5-Tetrachlorobenzene	95-94-3	5, 10*	-	BRL	BRL	BRL	BRL	BRL
1,2,4-Trichlorobenzene	120-82-1	5, 10*	-	BRL	BRL	BRL	BRL	BRL
1,2-Dichlorobenzene	95-50-1	3	-	BRL	BRL	BRL	BRL	BRL
1,2-Diphenylhydrazine	122-66-7	ND	-	BRL	BRL	BRL	BRL	BRL
1,3-Dichlorobenzene	541-73-1	3	-	BRL	BRL	BRL	BRL	BRL
1,4-Dichlorobenzene	106-46-7	3	-	BRL	BRL	BRL	BRL	BRL
1-Methylnaphthalene	90-12-0	NS	NS	BRL	BRL	BRL	BRL	BRL
2,3,4,6-Tetrachlorophenol	58-90-2	1'**	-	BRL	BRL	BRL	BRL	BRL
2,4,5-Trichlorophenol	95-95-4	1'**	-	BRL	BRL	BRL	BRL	BRL
2,4,6-Trichlorophenol	88-06-2	1'**	-	BRL	BRL	BRL	BRL	BRL
2,4-Dichlorophenol	120-83-2	1**	-	BRL	BRL	BRL	BRL	BRL
2,4-Dimethylphenol	105-67-9	1'**	-	BRL UJ	BRL UJ	BRL UJ	BRL UJ	BRL UJ
2,4-Dinitrophenol	51-28-5	1'**	-	BRL	BRL	BRL	BRL	BRL
2,4-Dinitrotoluene	121-14-2	5	-	BRL	BRL	BRL	BRL	BRL
2,6-Dinitrotoluene	606-20-2	5	-	BRL	BRL	BRL	BRL	BRL
2-Chloronaphthalene	91-58-7	NS	10	BRL	BRL	BRL	BRL	BRL
2-Chlorophenol	95-57-8	NS	NS	BRL	BRL	BRL UJ	BRL	BRL
2-Methylnaphthalene	91-57-6	NS	NS	BRL	BRL	BRL	BRL	BRL
2-Methylphenol	95-48-7	NS	NS	BRL	BRL	BRL	BRL	BRL
2-Nitroaniline	88-74-4	5	-	BRL	BRL	BRL	BRL	BRL
2-Nitrophenol	88-75-5	NS	NS	BRL	BRL	BRL	BRL	BRL
3,3´-Dichlorobenzidine	91-94-1	5	-	BRL	BRL	BRL	BRL	BRL
3-Nitroaniline	99-09-2	5	-	BRL	BRL	BRL	BRL	BRL
4,6-Dinitro-2-methylphenol	534-52-1	NS	NS	BRL	BRL	BRL	BRL	BRL
4-Bromophenyl phenyl ether	101-55-3	NS	NS	BRL	BRL	BRL	BRL	BRL
4-Chloro-3-methylphenol	59-50-7	NS	NS	BRL	BRL	BRL	BRL	BRL
4-Chloroaniline	106-47-8	5	-	BRL	BRL	BRL	BRL	BRL
4-Chlorophenyl phenyl ether	7005-72-3	NS	NS	BRL	BRL	BRL	BRL	BRL
4-Methylphenol	106-44-5	1'**	-	BRL	BRL	BRL	BRL	BRL
4-Nitroaniline	100-01-6	5	-	BRL	BRL	BRL	BRL	BRL
4-Nitrophenol	100-02-7	NS	NS	BRL	BRL	BRL	BRL	BRL
Acenaphthene	83-32-9	20	20	BRL	BRL	BRL	BRL	BRL
Acenaphthylene	208-96-8	NS	NS	BRL	BRL	BRL	BRL	BRL
Acetophenone	98-86-2	NS	NS	BRL	BRL	BRL	BRL	BRL
Aniline	62-53-3	5	-	BRL	BRL	BRL	BRL	BRL
Anthracene	120-12-7	NS	50	BRL	BRL	BRL	BRL	BRL
Atrazine	1912-24-9	7.5	-	BRL	BRL	BRL	BRL	BRL
Benzaldehyde	100-52-7	NS	NS	BRL	BRL	BRL	BRL	BRL
Benzidine	92-87-5	5	-	BRL	BRL	BRL	BRL	BRL
Benzo (a) anthracene	56-55-3	NS	NS	BRL	BRL	BRL	BRL	BRL
Benzo (a) pyrene	50-32-8	ND	-	BRL	BRL	BRL	BRL	BRL
Benzo (b) fluoranthene	205-99-2	NS	0.002	BRL	BRL	BRL	BRL	BRL
Benzo (g,h,i) perylene	191-24-2	NS	NS	BRL	BRL	BRL	BRL	BRL
Benzo (k) fluoranthene	207-08-9	NS	0.002	BRL	BRL	BRL	BRL	BRL
Benzoic acid	65-85-0	NS	NS	BRL	BRL	BRL	BRL	BRL
Benzyl alcohol	100-51-6	NS	NS	BRL	BRL	BRL	BRL	BRL
Bis(2-chloroethoxy)methane	111-91-1	5	-	BRL	BRL	BRL	BRL	BRL
Bis(2-chloroethyl)ether	111-44-4	1	-	BRL	BRL	BRL	BRL	BRL
Bis(2-chloroisopropyl)ether	108-60-1	5	-	BRL	BRL	BRL	BRL	BRL
Bis(2-ethylhexyl)phthalate	117-81-7	5	-	BRL	BRL	BRL	**12**	BRL
Butyl benzyl phthalate	85-68-7	NS	50	BRL	BRL	BRL	BRL	BRL
Caprolactam	105-60-2			BRL	BRL	BRL	BRL	BRL
Carbazole	86-74-8	NS	NS	BRL	BRL	BRL	BRL	BRL
Chrysene	218-01-9	NS	0.002	BRL	BRL	BRL	BRL	BRL
Di-n-butyl phthalate	84-74-2	50	-	BRL	BRL	BRL	BRL	BRL
Di-n-octyl phthalate	117-84-0	NS	50	BRL	BRL	BRL	BRL	BRL
Dibenzo (a,h) anthracene	53-70-3	NS	NS	BRL	BRL	BRL	BRL	BRL
Dibenzofuran	132-64-9	NS	NS	BRL	BRL	BRL	BRL	BRL
Diethyl phthalate	84-66-2	NS	50	BRL	BRL	BRL	BRL	BRL
Dimethyl phthalate	131-11-3	NS	50	BRL	BRL	BRL	BRL	BRL
Fluoranthene	206-44-0	NS	50	BRL	BRL	BRL	BRL	BRL
Fluorene	86-73-7	NS	50	BRL	BRL	BRL	BRL	BRL
Hexachlorobenzene	118-74-1	0.04	-	BRL	BRL	BRL	BRL	BRL
Hexachlorobutadiene	87-68-3	0.5	-	BRL	BRL	BRL	BRL	BRL
Hexachlorocyclopentadiene	77-47-4	5	-	BRL	BRL	BRL	BRL	BRL
Hexachloroethane	67-72-1	5	-	BRL	BRL	BRL	BRL	BRL
Indeno (1,2,3-cd) pyrene	193-39-5	NS	0.002	BRL	BRL	BRL	BRL	BRL
Isophorone	78-59-1	NS	50	BRL	BRL	BRL	BRL	BRL
N-Nitrosodi-n-propylamine	621-64-7	NS	NS	BRL	BRL	BRL	BRL	BRL
N-Nitrosodimethylamine	62-75-9	NS	NS	BRL	BRL	BRL	BRL	BRL
N-Nitrosodiphenylamine	86-30-6	NS	50	BRL	BRL	BRL	BRL	BRL
Naphthalene	91-20-3	NS	10	BRL	BRL	BRL	BRL	BRL
Nitrobenzene	98-95-3	0.4	-	BRL	BRL	BRL	BRL	BRL
Pentachloronitrobenzene	82-68-8	ND	-	BRL	BRL	BRL	BRL	BRL
Pentachlorophenol	87-86-5	1'**	-	BRL	BRL	BRL	BRL	BRL
Phenanthrene	85-01-8	NS	50	BRL	BRL	BRL	BRL	BRL
Phenol	108-95-2	1'**	-	BRL	BRL	BRL	BRL	BRL
Pyrene	129-00-0	NS	50	BRL	BRL	BRL	BRL	BRL
Pyridine	110-86-1	NS	50	BRL	BRL	BRL	BRL	BRL
Tentatively Identified Compounds (TICs)								
Total TICs	---	NS	NS	130.0	120.0	148.7	1596.0	100.0
TOTAL SVOCs	-	-	-	130.0	120.0	148.7	1608.0	100.0

Notes:
All concentrations in micrograms per liter (ug/L)/parts per billion (ppb)
** - Value of 5 ug/L applies to each trichlorobenzene or tetrachlorobenzene individually. Value of 10 ug/L, applies to the sum of these respective substances*
*** - Value of 1 ug/L applies to the sum of all phenolic compounds*
Values of "BRL" have a "U" qualifier unless otherwise noted.

TABLE 3
Groundwater Analyses Summary - Metals
Method SW846 6010C

Groundwater Monitoring - 2020
700 Out Parcel, Syracuse, NY
BCP#: C734111
AECC Project No. 21-011

ANALYTES		APPLICABLE STANDARD		SAMPLE LOCATION / DATE				
Metal	CAS No.	Standard	Guidance Value	MW-5	MW-D (MW-5)	MW-7	MW-8	MW-9
				01/20/21	01/20/21	01/20/21	01/20/21	01/20/21
Aluminum	7429-90-5	2,000	-	72.8 J	70.1 J	267	363	600
Antimony	7440-36-0	3	-	BRL	BRL	BRL	BRL	BRL
Arsenic	7440-38-2	25	-	BRL	BRL	6.1 J	BRL	BRL
Barium	7440-39-3	1,000	-	185	182	180	719	272
Beryllium	7440-41-7	3	-	BRL	BRL	BRL	BRL	BRL
Cadmium	7440-43-9	5	-	BRL	BRL	BRL	BRL	BRL
Calcium	7440-70-2	NS	NS	139,000	137,000	220,000	183,000	173,000
Chromium	7440-47-3	50	-	0.6 J	BRL	BRL	BRL	1.0 J
Cobalt	7440-48-4	NS	NS	BRL	BRL	1.2 J	BRL	1.1 J
Copper	7440-50-8	200	-	5.6 J	5.5 J	BRL	BRL	BRL
Iron	7439-89-6	300	-	72.7 J	68.1	**1,520**	**3,650**	**1,840**
Lead	7439-92-1	25	-	BRL	BRL	BRL	24.4	BRL
Magnesium	7439-95-4	-	35,000	17,900	17,700	**49,800**	25,700	26,100
Manganese	7439-96-5	300	-	BRL	BRL	50.3	**782**	147
Mercury*	7439-97-5	0.7	-	BRL	BRL	BRL	BRL	BRL
Nickel	7440-02-0	100	-	BRL	BRL	BRL	BRL	BRL
Potassium	7440-09-7	NS	NS	6,690 J	6,620 J	5,570 J	9,670 J	12,200 J
Selenium	7782-49-2	10	-	BRL	9.0 J	BRL	BRL	BRL
Silver	7440-22-4	50	-	BRL	BRL	BRL	BRL	BRL
Sodium	7440-23-5	20,000	-	**793,000**	**760,000**	**913,000**	**129,000**	**226,000**
Thallium	7440-28-0	-	0.5	BRL	BRL	**6.9 J**	BRL	BRL
Vanadium	7440-62-2	NS	NS	1.7 J	1.4 J	BRL	1.3 J	1.6 J
Zinc	7440-66-6	-	2,000	12.1 J	12.1 J	BRL	BRL	BRL

Notes:
All concentrations in micrograms per liter (ug/L), or approximate parts per billion (ppb)
**Mercury analyzed by Method EPA 245.1/7470A*
Values of "BRL" have a "U" qualifier unless otherwise noted.

ATTACHMENT E

LABORATORY ANALYSIS REPORTS

February 11, 2021 Service Request No:R2100574

Richard McKenna
Asbestos & Environmental Consulting Corporation
6308 Fly Road
East Syracuse, NY 13057

Laboratory Results for: 700 Outparcel

Dear Richard,

Enclosed are the results of the sample(s) submitted to our laboratory January 21, 2021
For your reference, these analyses have been assigned our service request number **R2100574.**

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 7472. You may also contact me via email at Janice.Jaeger@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

Janice Jaeger
Project Manager

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: Asbestos & Environmental Consulting Corporation
Project: 700 Outparcel
Sample Matrix: Water

Service Request: R2100574
Date Received: 01/21/2021

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 level IV requested by the client.

Sample Receipt:

Six water samples were received for analysis at ALS Environmental on 01/21/2021. 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.

Semivolatiles by GC/MS:

Method 8270D, 02/09/2021: 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 8270D, 02/09/2021: The control limit was exceeded for one or more surrogates in the Continuing Calibration Verification (CCV). The surrogates were within acceptance limits for the associated field samples. The data quality was not significantly affected and no further corrective action was taken.

Method 8270D, 02/09/2021: The upper control criterion was exceeded for one or more analytes in the Laboratory Control Sample (LCS). There were no detections of the analyte(s) above the MRL in the associated field samples. The error associated with elevated recovery equates to a high bias. The sample data is not significantly affected. No further corrective action was appropriate.

Method 8270D, R2100574-001: The control limits were exceeded for one or more surrogates in the sample(s). Since the exceedance may indicate a potential bias in the analytical batch, all associated field samples were re-extracted and reanalyzed outside holding time. The surrogates met control limits for the reanalysis. Both results are reported.

Method 8270D, R2100574-004: The control limits were exceeded for one or more surrogates in the re-extracted sample. The original sample surrogates were within limits. Both results are reported.

Method 8270D, 01/30/2021: 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 8270D, 01/30/2021: The lower control limit for the spike recovery of the Matrix Spike Duplicate (MSD) was exceeded for one or more analyte. Precision is also outside limits. There were no detections of the analyte(s) in the associated field samples. The LCS/LCSD are within limits for this compound. The analytes affected are flagged in the MS Summary.

Method 8270D, 02/02/2021: 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 8270D, 02/02/2021: The lower control limit for the spike recovery of the Laboratory Control Sample (LCS) was exceeded for one or more analyte. There were no detections of the analyte(s) in the associated field samples. The discrepancy associated with reduced recovery equates to a potential low bias. Samples will be re-extracted/re-analyzed outside of holding time. The

Approved by _____ Date 02/11/2021

analytes affected are flagged in the LCS Summary.

Metals:

No significant anomalies were noted with this analysis.

Volatiles by GC/MS:

Method 8260C, 02/01/2021: 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, 711684: Sample(s) required dilution due to the presence of non-target compounds at high concentrations. The reporting limits are adjusted to reflect the dilution.

Approved by _____ Date 02/11/2021

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: Asbestos & Environmental Consulting Corporation **Service Request:**R2100574
Project: 700 Outparcel/20-011

SAMPLE CROSS-REFERENCE

SAMPLE #	CLIENT SAMPLE ID	DATE	TIME
R2100574-001	MW-5	1/20/2021	1217
R2100574-002	MW-7	1/20/2021	1001
R2100574-003	MW-8	1/20/2021	1508
R2100574-004	MW-9	1/20/2021	1345
R2100574-005	MW-D	1/20/2021	
R2100574-006	Trip Blank	1/20/2021	

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

002005

ALS

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: 700 outparcel
Project Number: 20-011
Project Manager: Rich McKenna
Report CC:
Company/Address: 6308 Fly Road (AECC)
East Syracuse, NY 13057
Phone #: (315) 432-9400
Email: rmckenna@aeccgroup.com
Sampler's Signature: [signature]
Sampler's Printed Name: Drew Brantner / H. Haas

ANALYSIS REQUESTED (Include Method Number and Container Preservative)

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 ______

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	GC/MS VOAs ☒8260 ○ 624 ○ CLP +TICs	GC/MS SVOAs ☒8270 ○ 625 + TICs	GC VOAs ○ 8021 ○ 601/602	PESTICIDES ○ 8081 ○ 608	PCBs ○ 8082 ○ 608	METALS, TOTAL (List in comments below)	METALS, DISSOLVED (List in comments below)	REMARKS/ ALTERNATE DESCRIPTION
PRESERVATIVE						1	0				2		
MW-5		1/20/21	1217	GW	7	X	X				X		
MW-7 MS/MSD		1/20/21	1001	GW	21	X	X				X		Perform MS/MSD on this sample.
MW-8		1/20/21	1508	GW	7	X	X				X		
MW-9		1/20/21	1345	GW	7	X	X				X		
MW-D		1/20/21	-	GW	7	X	X				X		
TRIP BLANK		-	-	-	3	X							

SPECIAL INSTRUCTIONS/COMMENTS
Metals
TAL Metals and Mercury

See QAPP ☐

STATE WHERE SAMPLES WERE COLLECTED

TURNAROUND REQUIREMENTS
____ RUSH (SURCHARGES APPLY)
____ 1 day ____ 2 day ____ 3 day
____ 4 day ____ 5 day
X 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
X IV. Data Validation Report with Raw Data
Edata X Yes ____ No

INVOICE INFORMATION
PO #: AECC Proj # 20-011
BILL TO: AECC
cbeck@aeccgroup.com
rmckenna@aeccgroup.com

	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature	[signature]	FedEx		[signature]		
Printed Name	Drew Brantner	FedEx		Gary LaFave		
Firm	AECC	FedEx		ALS		
Date/Time	1/20/21 ~1730	1/20/21 ~1730		1/21/21 0930		

R2100574 5
Asbestos & Environmental Consulting Corporation
700 Outparcel

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

R2100574 5
Asbestos & Environmental Consulting Corporation
700 Outparcel

Cooler Receipt and Preservation Check Form

Project/Client AECC Folder Number

Cooler received on 1/21/21 by: @

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)

3. Temperature Readings Date: 1/21/21 Time: 1020 ID: IR#7 (IR#10) From: (Temp Blank) Sample Bottle

Observed Temp (°C)	4.7						
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: R-002 by @ on 1/21/21 at 1030

5035 samples placed in storage location: _____ by _____ on _____ at _____ within 48 hours of sampling? Y N

Cooler Breakdown/Preservation Check**: Date: 1/21/21 Time: 1423 by: @

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	223469	HNO_3	✓		1120082					
≤2		H_2SO_4								
<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: 0573-18, 20-10-28, 74149-C2676

Explain all Discrepancies/ Other Comments:

HPROD	BULK
HTR	FLDT
SUB	HGFB
ALS	LL3541

Labels secondary reviewed by: @

PC Secondary Review: JMS 1/25/21

*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 ñNotesò 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 ñimmediateò 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 (Ó100% 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 Certifications[1]

Connecticut ID # PH0556	Maine ID #NY0032	Pennsylvania ID# 68-786
Delaware Approved	New Hampshire ID # 2941	Rhode Island ID # 158
DoD ELAP #65817	New York ID # 10145	Virginia #460167
Florida ID # E87674	North Carolina #676	

[1] Analyses were performed according to our laboratoryôs 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: Asbestos & Environmental Consulting Corporation **Service Request:** R2100574
Project: 700 Outparcel/20-011

Sample Name: MW-5 **Date Collected:** 01/20/21
Lab Code: R2100574-001 **Date Received:** 01/21/21
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
6010C	AKONZEL	KMCLAEN
7470A	AKONZEL	AKONZEL
8260C		KRUEST
8270D	KSERCU	JMISIUREWICZ

Sample Name: MW-5 **Date Collected:** 01/20/21
Lab Code: R2100574-001.R01 **Date Received:** 01/21/21
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8270D	KSERCU	JMISIUREWICZ

Sample Name: MW-7 **Date Collected:** 01/20/21
Lab Code: R2100574-002 **Date Received:** 01/21/21
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
6010C	AKONZEL	KMCLAEN
7470A	AKONZEL	AKONZEL
8260C		KRUEST
8270D	KSERCU	JMISIUREWICZ

Sample Name: MW-7 **Date Collected:** 01/20/21
Lab Code: R2100574-002.R01 **Date Received:** 01/21/21
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8270D	KSERCU	JMISIUREWICZ

Client: Asbestos & Environmental Consulting Corporation **Service Request:** R2100574
Project: 700 Outparcel/20-011

Sample Name: MW-8 **Date Collected:** 01/20/21
Lab Code: R2100574-003 **Date Received:** 01/21/21
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
6010C	AKONZEL	KMCLAEN
7470A	AKONZEL	AKONZEL
8260C		KRUEST
8270D	KSERCU	JMISIUREWICZ

Sample Name: MW-8 **Date Collected:** 01/20/21
Lab Code: R2100574-003.R01 **Date Received:** 01/21/21
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8270D	KSERCU	JMISIUREWICZ

Sample Name: MW-9 **Date Collected:** 01/20/21
Lab Code: R2100574-004 **Date Received:** 01/21/21
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
6010C	AKONZEL	KMCLAEN
7470A	AKONZEL	AKONZEL
8260C		KRUEST
8270D	KSERCU	JMISIUREWICZ

Sample Name: MW-9 **Date Collected:** 01/20/21
Lab Code: R2100574-004.R01 **Date Received:** 01/21/21
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8270D	KSERCU	JMISIUREWICZ

Client: Asbestos & Environmental Consulting Corporation **Service Request:** R2100574
Project: 700 Outparcel/20-011

Sample Name: MW-D **Date Collected:** 01/20/21
Lab Code: R2100574-005 **Date Received:** 01/21/21
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
6010C	AKONZEL	KMCLAEN
7470A	AKONZEL	AKONZEL
8260C		KRUEST
8270D	KSERCU	JMISIUREWICZ

Sample Name: MW-D **Date Collected:** 01/20/21
Lab Code: R2100574-005.R01 **Date Received:** 01/21/21
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8270D	KSERCU	JMISIUREWICZ

Sample Name: Trip Blank **Date Collected:** 01/20/21
Lab Code: R2100574-006 **Date Received:** 01/21/21
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

INORGANIC PREPARATION METHODS

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

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client:	Asbestos & Environmental Consulting Corporation	**Service Request:**	R2100574
Project:	700 Outparcel/20-011	**Date Collected:**	01/20/21 12:17
Sample Matrix:	Water	**Date Received:**	01/21/21 09:30
Sample Name:	MW-5	**Units:**	ug/L
Lab Code:	R2100574-001	**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-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	02/01/21 15:48	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	02/01/21 15:48	
1,1,2-Trichloroethane	1.0 U	1.0	0.20	1	02/01/21 15:48	
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0 U	1.0	0.20	1	02/01/21 15:48	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	02/01/21 15:48	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	02/01/21 15:48	
1,2,3-Trichlorobenzene	1.0 U	1.0	0.25	1	02/01/21 15:48	
1,2,4-Trichlorobenzene	1.0 U	1.0	0.34	1	02/01/21 15:48	
1,2-Dibromo-3-chloropropane (DBCP)	2.0 U	2.0	0.45	1	02/01/21 15:48	
1,2-Dibromoethane	1.0 U	1.0	0.20	1	02/01/21 15:48	
1,2-Dichlorobenzene	1.0 U	1.0	0.20	1	02/01/21 15:48	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	02/01/21 15:48	
1,2-Dichloropropane	1.0 U	1.0	0.20	1	02/01/21 15:48	
1,3-Dichlorobenzene	1.0 U	1.0	0.20	1	02/01/21 15:48	
1,4-Dichlorobenzene	1.0 U	1.0	0.20	1	02/01/21 15:48	
1,4-Dioxane	40 U	40	13	1	02/01/21 15:48	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	02/01/21 15:48	
2-Hexanone	5.0 U	5.0	0.20	1	02/01/21 15:48	
4-Methyl-2-pentanone	5.0 U	5.0	0.20	1	02/01/21 15:48	
Acetone	5.0 U	5.0	5.0	1	02/01/21 15:48	
Benzene	1.0 U	1.0	0.20	1	02/01/21 15:48	
Bromochloromethane	1.0 U	1.0	0.20	1	02/01/21 15:48	
Bromodichloromethane	1.0 U	1.0	0.20	1	02/01/21 15:48	
Bromoform	1.0 U	1.0	0.25	1	02/01/21 15:48	
Bromomethane	1.0 U	1.0	0.70	1	02/01/21 15:48	
Carbon Disulfide	1.0 U	1.0	0.42	1	02/01/21 15:48	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	02/01/21 15:48	
Chlorobenzene	1.0 U	1.0	0.20	1	02/01/21 15:48	
Chloroethane	1.0 U	1.0	0.23	1	02/01/21 15:48	
Chloroform	1.0 U	1.0	0.24	1	02/01/21 15:48	
Chloromethane	1.0 U	1.0	0.28	1	02/01/21 15:48	
Cyclohexane	**0.85 J**	1.0	0.26	1	02/01/21 15:48	
Dibromochloromethane	1.0 U	1.0	0.20	1	02/01/21 15:48	
Dichlorodifluoromethane (CFC 12)	1.0 U	1.0	0.21	1	02/01/21 15:48	
Dichloromethane	1.0 U	1.0	0.65	1	02/01/21 15:48	
Ethylbenzene	1.0 U	1.0	0.20	1	02/01/21 15:48	
Isopropylbenzene (Cumene)	1.0 U	1.0	0.20	1	02/01/21 15:48	
Methyl Acetate	2.0 U	2.0	0.33	1	02/01/21 15:48	
Methyl tert-Butyl Ether	1.0 U	1.0	0.20	1	02/01/21 15:48	
Methylcyclohexane	1.0 U	1.0	0.20	1	02/01/21 15:48	
Styrene	1.0 U	1.0	0.20	1	02/01/21 15:48	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	02/01/21 15:48	
Toluene	1.0 U	1.0	0.20	1	02/01/21 15:48	

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Analytical Report

Client:	Asbestos & Environmental Consulting Corporation	**Service Request:**	R2100574
Project:	700 Outparcel/20-011	**Date Collected:**	01/20/21 12:17
Sample Matrix:	Water	**Date Received:**	01/21/21 09:30
Sample Name:	MW-5	**Units:**	ug/L
Lab Code:	R2100574-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	02/01/21 15:48	
Trichlorofluoromethane (CFC 11)	1.0 U	1.0	0.24	1	02/01/21 15:48	
Vinyl Chloride	1.0 U	1.0	0.20	1	02/01/21 15:48	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	02/01/21 15:48	
cis-1,3-Dichloropropene	1.0 U	1.0	0.20	1	02/01/21 15:48	
m,p-Xylenes	2.0 U	2.0	0.20	1	02/01/21 15:48	
o-Xylene	1.0 U	1.0	0.20	1	02/01/21 15:48	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	02/01/21 15:48	
trans-1,3-Dichloropropene	1.0 U	1.0	0.23	1	02/01/21 15:48	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	96	85 - 122	02/01/21 15:48	
Dibromofluoromethane	101	80 - 116	02/01/21 15:48	
Toluene-d8	103	87 - 121	02/01/21 15:48	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

Analytical Report

Client:	Asbestos & Environmental Consulting Corporation	**Service Request:**	R2100574
Project:	700 Outparcel/20-011	**Date Collected:**	01/20/21 10:01
Sample Matrix:	Water	**Date Received:**	01/21/21 09:30
Sample Name:	MW-7	**Units:**	ug/L
Lab Code:	R2100574-002	**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-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	02/01/21 14:42	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	02/01/21 14:42	
1,1,2-Trichloroethane	1.0 U	1.0	0.20	1	02/01/21 14:42	
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0 U	1.0	0.20	1	02/01/21 14:42	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	02/01/21 14:42	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	02/01/21 14:42	
1,2,3-Trichlorobenzene	1.0 U	1.0	0.25	1	02/01/21 14:42	
1,2,4-Trichlorobenzene	1.0 U	1.0	0.34	1	02/01/21 14:42	
1,2-Dibromo-3-chloropropane (DBCP)	2.0 U	2.0	0.45	1	02/01/21 14:42	
1,2-Dibromoethane	1.0 U	1.0	0.20	1	02/01/21 14:42	
1,2-Dichlorobenzene	1.0 U	1.0	0.20	1	02/01/21 14:42	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	02/01/21 14:42	
1,2-Dichloropropane	1.0 U	1.0	0.20	1	02/01/21 14:42	
1,3-Dichlorobenzene	1.0 U	1.0	0.20	1	02/01/21 14:42	
1,4-Dichlorobenzene	1.0 U	1.0	0.20	1	02/01/21 14:42	
1,4-Dioxane	40 U	40	13	1	02/01/21 14:42	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	02/01/21 14:42	
2-Hexanone	5.0 U	5.0	0.20	1	02/01/21 14:42	
4-Methyl-2-pentanone	5.0 U	5.0	0.20	1	02/01/21 14:42	
Acetone	5.0 U	5.0	5.0	1	02/01/21 14:42	
Benzene	1.0 U	1.0	0.20	1	02/01/21 14:42	
Bromochloromethane	1.0 U	1.0	0.20	1	02/01/21 14:42	
Bromodichloromethane	1.0 U	1.0	0.20	1	02/01/21 14:42	
Bromoform	1.0 U	1.0	0.25	1	02/01/21 14:42	
Bromomethane	1.0 U	1.0	0.70	1	02/01/21 14:42	
Carbon Disulfide	1.0 U	1.0	0.42	1	02/01/21 14:42	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	02/01/21 14:42	
Chlorobenzene	1.0 U	1.0	0.20	1	02/01/21 14:42	
Chloroethane	1.0 U	1.0	0.23	1	02/01/21 14:42	
Chloroform	1.0 U	1.0	0.24	1	02/01/21 14:42	
Chloromethane	1.0 U	1.0	0.28	1	02/01/21 14:42	
Cyclohexane	1.0 U	1.0	0.26	1	02/01/21 14:42	
Dibromochloromethane	1.0 U	1.0	0.20	1	02/01/21 14:42	
Dichlorodifluoromethane (CFC 12)	1.0 U	1.0	0.21	1	02/01/21 14:42	
Dichloromethane	1.0 U	1.0	0.65	1	02/01/21 14:42	
Ethylbenzene	1.0 U	1.0	0.20	1	02/01/21 14:42	
Isopropylbenzene (Cumene)	1.0 U	1.0	0.20	1	02/01/21 14:42	
Methyl Acetate	2.0 U	2.0	0.33	1	02/01/21 14:42	
Methyl tert-Butyl Ether	1.0 U	1.0	0.20	1	02/01/21 14:42	
Methylcyclohexane	1.0 U	1.0	0.20	1	02/01/21 14:42	
Styrene	1.0 U	1.0	0.20	1	02/01/21 14:42	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	02/01/21 14:42	
Toluene	1.0 U	1.0	0.20	1	02/01/21 14:42	

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Analytical Report

Client:	Asbestos & Environmental Consulting Corporation	**Service Request:**	R2100574
Project:	700 Outparcel/20-011	**Date Collected:**	01/20/21 10:01
Sample Matrix:	Water	**Date Received:**	01/21/21 09:30
Sample Name:	MW-7	**Units:**	ug/L
Lab Code:	R2100574-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	02/01/21 14:42	
Trichlorofluoromethane (CFC 11)	1.0 U	1.0	0.24	1	02/01/21 14:42	
Vinyl Chloride	1.0 U	1.0	0.20	1	02/01/21 14:42	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	02/01/21 14:42	
cis-1,3-Dichloropropene	1.0 U	1.0	0.20	1	02/01/21 14:42	
m,p-Xylenes	2.0 U	2.0	0.20	1	02/01/21 14:42	
o-Xylene	1.0 U	1.0	0.20	1	02/01/21 14:42	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	02/01/21 14:42	
trans-1,3-Dichloropropene	1.0 U	1.0	0.23	1	02/01/21 14:42	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	85 - 122	02/01/21 14:42	
Dibromofluoromethane	101	80 - 116	02/01/21 14:42	
Toluene-d8	103	87 - 121	02/01/21 14:42	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

Analytical Report

Client:	Asbestos & Environmental Consulting Corporation	**Service Request:**	R2100574
Project:	700 Outparcel/20-011	**Date Collected:**	01/20/21 15:08
Sample Matrix:	Water	**Date Received:**	01/21/21 09:30
Sample Name:	MW-8	**Units:**	ug/L
Lab Code:	R2100574-003	**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-Trichloroethane (TCA)	2.5 U	2.5	0.50	2.5	02/01/21 15:04	
1,1,2,2-Tetrachloroethane	2.5 U	2.5	0.50	2.5	02/01/21 15:04	
1,1,2-Trichloroethane	2.5 U	2.5	0.50	2.5	02/01/21 15:04	
1,1,2-Trichloro-1,2,2-trifluoroethane	2.5 U	2.5	0.50	2.5	02/01/21 15:04	
1,1-Dichloroethane (1,1-DCA)	2.5 U	2.5	0.50	2.5	02/01/21 15:04	
1,1-Dichloroethene (1,1-DCE)	2.5 U	2.5	0.50	2.5	02/01/21 15:04	
1,2,3-Trichlorobenzene	2.5 U	2.5	0.63	2.5	02/01/21 15:04	
1,2,4-Trichlorobenzene	2.5 U	2.5	0.85	2.5	02/01/21 15:04	
1,2-Dibromo-3-chloropropane (DBCP)	5.0 U	5.0	1.2	2.5	02/01/21 15:04	
1,2-Dibromoethane	2.5 U	2.5	0.50	2.5	02/01/21 15:04	
1,2-Dichlorobenzene	2.5 U	2.5	0.50	2.5	02/01/21 15:04	
1,2-Dichloroethane	2.5 U	2.5	0.50	2.5	02/01/21 15:04	
1,2-Dichloropropane	2.5 U	2.5	0.50	2.5	02/01/21 15:04	
1,3-Dichlorobenzene	2.5 U	2.5	0.50	2.5	02/01/21 15:04	
1,4-Dichlorobenzene	2.5 U	2.5	0.50	2.5	02/01/21 15:04	
1,4-Dioxane	100 U	100	33	2.5	02/01/21 15:04	
2-Butanone (MEK)	**12 J**	13	2.0	2.5	02/01/21 15:04	
2-Hexanone	13 U	13	0.50	2.5	02/01/21 15:04	
4-Methyl-2-pentanone	13 U	13	0.50	2.5	02/01/21 15:04	
Acetone	**22**	13	13	2.5	02/01/21 15:04	
Benzene	**5.2**	2.5	0.50	2.5	02/01/21 15:04	
Bromochloromethane	2.5 U	2.5	0.50	2.5	02/01/21 15:04	
Bromodichloromethane	2.5 U	2.5	0.50	2.5	02/01/21 15:04	
Bromoform	2.5 U	2.5	0.63	2.5	02/01/21 15:04	
Bromomethane	2.5 U	2.5	1.8	2.5	02/01/21 15:04	
Carbon Disulfide	2.5 U	2.5	1.1	2.5	02/01/21 15:04	
Carbon Tetrachloride	2.5 U	2.5	0.85	2.5	02/01/21 15:04	
Chlorobenzene	2.5 U	2.5	0.50	2.5	02/01/21 15:04	
Chloroethane	2.5 U	2.5	0.58	2.5	02/01/21 15:04	
Chloroform	2.5 U	2.5	0.60	2.5	02/01/21 15:04	
Chloromethane	2.5 U	2.5	0.70	2.5	02/01/21 15:04	
Cyclohexane	**120**	2.5	0.65	2.5	02/01/21 15:04	
Dibromochloromethane	2.5 U	2.5	0.50	2.5	02/01/21 15:04	
Dichlorodifluoromethane (CFC 12)	2.5 U	2.5	0.53	2.5	02/01/21 15:04	
Dichloromethane	2.5 U	2.5	1.7	2.5	02/01/21 15:04	
Ethylbenzene	**220**	2.5	0.50	2.5	02/01/21 15:04	
Isopropylbenzene (Cumene)	**37**	2.5	0.50	2.5	02/01/21 15:04	
Methyl Acetate	5.0 U	5.0	0.83	2.5	02/01/21 15:04	
Methyl tert-Butyl Ether	2.5 U	2.5	0.50	2.5	02/01/21 15:04	
Methylcyclohexane	**170**	2.5	0.50	2.5	02/01/21 15:04	
Styrene	2.5 U	2.5	0.50	2.5	02/01/21 15:04	
Tetrachloroethene (PCE)	2.5 U	2.5	0.53	2.5	02/01/21 15:04	
Toluene	**16**	2.5	0.50	2.5	02/01/21 15:04	

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Analytical Report

Client:	Asbestos & Environmental Consulting Corporation	**Service Request:**	R2100574
Project:	700 Outparcel/20-011	**Date Collected:**	01/20/21 15:08
Sample Matrix:	Water	**Date Received:**	01/21/21 09:30
Sample Name:	MW-8	**Units:**	ug/L
Lab Code:	R2100574-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Trichloroethene (TCE)	2.5 U	2.5	0.50	2.5	02/01/21 15:04	
Trichlorofluoromethane (CFC 11)	2.5 U	2.5	0.60	2.5	02/01/21 15:04	
Vinyl Chloride	2.5 U	2.5	0.50	2.5	02/01/21 15:04	
cis-1,2-Dichloroethene	2.5 U	2.5	0.58	2.5	02/01/21 15:04	
cis-1,3-Dichloropropene	2.5 U	2.5	0.50	2.5	02/01/21 15:04	
m,p-Xylenes	**200**	5.0	0.50	2.5	02/01/21 15:04	
o-Xylene	**42**	2.5	0.50	2.5	02/01/21 15:04	
trans-1,2-Dichloroethene	2.5 U	2.5	0.50	2.5	02/01/21 15:04	
trans-1,3-Dichloropropene	2.5 U	2.5	0.58	2.5	02/01/21 15:04	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	107	85 - 122	02/01/21 15:04	
Dibromofluoromethane	102	80 - 116	02/01/21 15:04	
Toluene-d8	108	87 - 121	02/01/21 15:04	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

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Analytical Report

Client:	Asbestos & Environmental Consulting Corporation	**Service Request:**	R2100574
Project:	700 Outparcel/20-011	**Date Collected:**	01/20/21 13:45
Sample Matrix:	Water	**Date Received:**	01/21/21 09:30
Sample Name:	MW-9	**Units:**	ug/L
Lab Code:	R2100574-004	**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-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	02/01/21 16:09	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	02/01/21 16:09	
1,1,2-Trichloroethane	1.0 U	1.0	0.20	1	02/01/21 16:09	
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0 U	1.0	0.20	1	02/01/21 16:09	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	02/01/21 16:09	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	02/01/21 16:09	
1,2,3-Trichlorobenzene	1.0 U	1.0	0.25	1	02/01/21 16:09	
1,2,4-Trichlorobenzene	1.0 U	1.0	0.34	1	02/01/21 16:09	
1,2-Dibromo-3-chloropropane (DBCP)	2.0 U	2.0	0.45	1	02/01/21 16:09	
1,2-Dibromoethane	1.0 U	1.0	0.20	1	02/01/21 16:09	
1,2-Dichlorobenzene	1.0 U	1.0	0.20	1	02/01/21 16:09	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	02/01/21 16:09	
1,2-Dichloropropane	1.0 U	1.0	0.20	1	02/01/21 16:09	
1,3-Dichlorobenzene	1.0 U	1.0	0.20	1	02/01/21 16:09	
1,4-Dichlorobenzene	1.0 U	1.0	0.20	1	02/01/21 16:09	
1,4-Dioxane	40 U	40	13	1	02/01/21 16:09	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	02/01/21 16:09	
2-Hexanone	5.0 U	5.0	0.20	1	02/01/21 16:09	
4-Methyl-2-pentanone	5.0 U	5.0	0.20	1	02/01/21 16:09	
Acetone	5.0 U	5.0	5.0	1	02/01/21 16:09	
Benzene	**0.24 J**	1.0	0.20	1	02/01/21 16:09	
Bromochloromethane	1.0 U	1.0	0.20	1	02/01/21 16:09	
Bromodichloromethane	1.0 U	1.0	0.20	1	02/01/21 16:09	
Bromoform	1.0 U	1.0	0.25	1	02/01/21 16:09	
Bromomethane	1.0 U	1.0	0.70	1	02/01/21 16:09	
Carbon Disulfide	1.0 U	1.0	0.42	1	02/01/21 16:09	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	02/01/21 16:09	
Chlorobenzene	1.0 U	1.0	0.20	1	02/01/21 16:09	
Chloroethane	1.0 U	1.0	0.23	1	02/01/21 16:09	
Chloroform	1.0 U	1.0	0.24	1	02/01/21 16:09	
Chloromethane	1.0 U	1.0	0.28	1	02/01/21 16:09	
Cyclohexane	1.0 U	1.0	0.26	1	02/01/21 16:09	
Dibromochloromethane	1.0 U	1.0	0.20	1	02/01/21 16:09	
Dichlorodifluoromethane (CFC 12)	1.0 U	1.0	0.21	1	02/01/21 16:09	
Dichloromethane	1.0 U	1.0	0.65	1	02/01/21 16:09	
Ethylbenzene	1.0 U	1.0	0.20	1	02/01/21 16:09	
Isopropylbenzene (Cumene)	**0.60 J**	1.0	0.20	1	02/01/21 16:09	
Methyl Acetate	2.0 U	2.0	0.33	1	02/01/21 16:09	
Methyl tert-Butyl Ether	1.0 U	1.0	0.20	1	02/01/21 16:09	
Methylcyclohexane	**2.3**	1.0	0.20	1	02/01/21 16:09	
Styrene	1.0 U	1.0	0.20	1	02/01/21 16:09	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	02/01/21 16:09	
Toluene	1.0 U	1.0	0.20	1	02/01/21 16:09	

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Analytical Report

Client:	Asbestos & Environmental Consulting Corporation	**Service Request:**	R2100574
Project:	700 Outparcel/20-011	**Date Collected:**	01/20/21 13:45
Sample Matrix:	Water	**Date Received:**	01/21/21 09:30
Sample Name:	MW-9	**Units:**	ug/L
Lab Code:	R2100574-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	02/01/21 16:09	
Trichlorofluoromethane (CFC 11)	1.0 U	1.0	0.24	1	02/01/21 16:09	
Vinyl Chloride	1.0 U	1.0	0.20	1	02/01/21 16:09	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	02/01/21 16:09	
cis-1,3-Dichloropropene	1.0 U	1.0	0.20	1	02/01/21 16:09	
m,p-Xylenes	**0.20 J**	2.0	0.20	1	02/01/21 16:09	
o-Xylene	1.0 U	1.0	0.20	1	02/01/21 16:09	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	02/01/21 16:09	
trans-1,3-Dichloropropene	1.0 U	1.0	0.23	1	02/01/21 16:09	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85 - 122	02/01/21 16:09	
Dibromofluoromethane	98	80 - 116	02/01/21 16:09	
Toluene-d8	102	87 - 121	02/01/21 16:09	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

ALS Group USA, Corp.
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Analytical Report

Client:	Asbestos & Environmental Consulting Corporation	**Service Request:**	R2100574
Project:	700 Outparcel/20-011	**Date Collected:**	01/20/21
Sample Matrix:	Water	**Date Received:**	01/21/21 09:30
Sample Name:	MW-D	**Units:**	ug/L
Lab Code:	R2100574-005	**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-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	02/01/21 16:31	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	02/01/21 16:31	
1,1,2-Trichloroethane	1.0 U	1.0	0.20	1	02/01/21 16:31	
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0 U	1.0	0.20	1	02/01/21 16:31	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	02/01/21 16:31	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	02/01/21 16:31	
1,2,3-Trichlorobenzene	1.0 U	1.0	0.25	1	02/01/21 16:31	
1,2,4-Trichlorobenzene	1.0 U	1.0	0.34	1	02/01/21 16:31	
1,2-Dibromo-3-chloropropane (DBCP)	2.0 U	2.0	0.45	1	02/01/21 16:31	
1,2-Dibromoethane	1.0 U	1.0	0.20	1	02/01/21 16:31	
1,2-Dichlorobenzene	1.0 U	1.0	0.20	1	02/01/21 16:31	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	02/01/21 16:31	
1,2-Dichloropropane	1.0 U	1.0	0.20	1	02/01/21 16:31	
1,3-Dichlorobenzene	1.0 U	1.0	0.20	1	02/01/21 16:31	
1,4-Dichlorobenzene	1.0 U	1.0	0.20	1	02/01/21 16:31	
1,4-Dioxane	40 U	40	13	1	02/01/21 16:31	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	02/01/21 16:31	
2-Hexanone	5.0 U	5.0	0.20	1	02/01/21 16:31	
4-Methyl-2-pentanone	5.0 U	5.0	0.20	1	02/01/21 16:31	
Acetone	5.0 U	5.0	5.0	1	02/01/21 16:31	
Benzene	1.0 U	1.0	0.20	1	02/01/21 16:31	
Bromochloromethane	1.0 U	1.0	0.20	1	02/01/21 16:31	
Bromodichloromethane	1.0 U	1.0	0.20	1	02/01/21 16:31	
Bromoform	1.0 U	1.0	0.25	1	02/01/21 16:31	
Bromomethane	1.0 U	1.0	0.70	1	02/01/21 16:31	
Carbon Disulfide	1.0 U	1.0	0.42	1	02/01/21 16:31	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	02/01/21 16:31	
Chlorobenzene	1.0 U	1.0	0.20	1	02/01/21 16:31	
Chloroethane	1.0 U	1.0	0.23	1	02/01/21 16:31	
Chloroform	1.0 U	1.0	0.24	1	02/01/21 16:31	
Chloromethane	1.0 U	1.0	0.28	1	02/01/21 16:31	
Cyclohexane	**0.89 J**	1.0	0.26	1	02/01/21 16:31	
Dibromochloromethane	1.0 U	1.0	0.20	1	02/01/21 16:31	
Dichlorodifluoromethane (CFC 12)	1.0 U	1.0	0.21	1	02/01/21 16:31	
Dichloromethane	1.0 U	1.0	0.65	1	02/01/21 16:31	
Ethylbenzene	1.0 U	1.0	0.20	1	02/01/21 16:31	
Isopropylbenzene (Cumene)	1.0 U	1.0	0.20	1	02/01/21 16:31	
Methyl Acetate	2.0 U	2.0	0.33	1	02/01/21 16:31	
Methyl tert-Butyl Ether	1.0 U	1.0	0.20	1	02/01/21 16:31	
Methylcyclohexane	**0.69 J**	1.0	0.20	1	02/01/21 16:31	
Styrene	1.0 U	1.0	0.20	1	02/01/21 16:31	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	02/01/21 16:31	
Toluene	1.0 U	1.0	0.20	1	02/01/21 16:31	

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Analytical Report

Client:	Asbestos & Environmental Consulting Corporation	**Service Request:**	R2100574
Project:	700 Outparcel/20-011	**Date Collected:**	01/20/21
Sample Matrix:	Water	**Date Received:**	01/21/21 09:30
Sample Name:	MW-D	**Units:**	ug/L
Lab Code:	R2100574-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	02/01/21 16:31	
Trichlorofluoromethane (CFC 11)	1.0 U	1.0	0.24	1	02/01/21 16:31	
Vinyl Chloride	1.0 U	1.0	0.20	1	02/01/21 16:31	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	02/01/21 16:31	
cis-1,3-Dichloropropene	1.0 U	1.0	0.20	1	02/01/21 16:31	
m,p-Xylenes	2.0 U	2.0	0.20	1	02/01/21 16:31	
o-Xylene	1.0 U	1.0	0.20	1	02/01/21 16:31	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	02/01/21 16:31	
trans-1,3-Dichloropropene	1.0 U	1.0	0.23	1	02/01/21 16:31	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	95	85 - 122	02/01/21 16:31	
Dibromofluoromethane	100	80 - 116	02/01/21 16:31	
Toluene-d8	102	87 - 121	02/01/21 16:31	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

ALS Group USA, Corp.
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Analytical Report

Client:	Asbestos & Environmental Consulting Corporation	**Service Request:**	R2100574
Project:	700 Outparcel/20-011	**Date Collected:**	01/20/21
Sample Matrix:	Water	**Date Received:**	01/21/21 09:30
Sample Name:	Trip Blank	**Units:**	ug/L
Lab Code:	R2100574-006	**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-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	02/01/21 14:21	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	02/01/21 14:21	
1,1,2-Trichloroethane	1.0 U	1.0	0.20	1	02/01/21 14:21	
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0 U	1.0	0.20	1	02/01/21 14:21	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	02/01/21 14:21	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	02/01/21 14:21	
1,2,3-Trichlorobenzene	1.0 U	1.0	0.25	1	02/01/21 14:21	
1,2,4-Trichlorobenzene	1.0 U	1.0	0.34	1	02/01/21 14:21	
1,2-Dibromo-3-chloropropane (DBCP)	2.0 U	2.0	0.45	1	02/01/21 14:21	
1,2-Dibromoethane	1.0 U	1.0	0.20	1	02/01/21 14:21	
1,2-Dichlorobenzene	1.0 U	1.0	0.20	1	02/01/21 14:21	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	02/01/21 14:21	
1,2-Dichloropropane	1.0 U	1.0	0.20	1	02/01/21 14:21	
1,3-Dichlorobenzene	1.0 U	1.0	0.20	1	02/01/21 14:21	
1,4-Dichlorobenzene	1.0 U	1.0	0.20	1	02/01/21 14:21	
1,4-Dioxane	40 U	40	13	1	02/01/21 14:21	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	02/01/21 14:21	
2-Hexanone	5.0 U	5.0	0.20	1	02/01/21 14:21	
4-Methyl-2-pentanone	5.0 U	5.0	0.20	1	02/01/21 14:21	
Acetone	5.0 U	5.0	5.0	1	02/01/21 14:21	
Benzene	1.0 U	1.0	0.20	1	02/01/21 14:21	
Bromochloromethane	1.0 U	1.0	0.20	1	02/01/21 14:21	
Bromodichloromethane	1.0 U	1.0	0.20	1	02/01/21 14:21	
Bromoform	1.0 U	1.0	0.25	1	02/01/21 14:21	
Bromomethane	1.0 U	1.0	0.70	1	02/01/21 14:21	
Carbon Disulfide	1.0 U	1.0	0.42	1	02/01/21 14:21	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	02/01/21 14:21	
Chlorobenzene	1.0 U	1.0	0.20	1	02/01/21 14:21	
Chloroethane	1.0 U	1.0	0.23	1	02/01/21 14:21	
Chloroform	1.0 U	1.0	0.24	1	02/01/21 14:21	
Chloromethane	1.0 U	1.0	0.28	1	02/01/21 14:21	
Cyclohexane	1.0 U	1.0	0.26	1	02/01/21 14:21	
Dibromochloromethane	1.0 U	1.0	0.20	1	02/01/21 14:21	
Dichlorodifluoromethane (CFC 12)	1.0 U	1.0	0.21	1	02/01/21 14:21	
Dichloromethane	1.0 U	1.0	0.65	1	02/01/21 14:21	
Ethylbenzene	1.0 U	1.0	0.20	1	02/01/21 14:21	
Isopropylbenzene (Cumene)	1.0 U	1.0	0.20	1	02/01/21 14:21	
Methyl Acetate	2.0 U	2.0	0.33	1	02/01/21 14:21	
Methyl tert-Butyl Ether	1.0 U	1.0	0.20	1	02/01/21 14:21	
Methylcyclohexane	1.0 U	1.0	0.20	1	02/01/21 14:21	
Styrene	1.0 U	1.0	0.20	1	02/01/21 14:21	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	02/01/21 14:21	
Toluene	1.0 U	1.0	0.20	1	02/01/21 14:21	

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Analytical Report

Client:	Asbestos & Environmental Consulting Corporation	**Service Request:**	R2100574
Project:	700 Outparcel/20-011	**Date Collected:**	01/20/21
Sample Matrix:	Water	**Date Received:**	01/21/21 09:30
Sample Name:	Trip Blank	**Units:**	ug/L
Lab Code:	R2100574-006	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	02/01/21 14:21	
Trichlorofluoromethane (CFC 11)	1.0 U	1.0	0.24	1	02/01/21 14:21	
Vinyl Chloride	1.0 U	1.0	0.20	1	02/01/21 14:21	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	02/01/21 14:21	
cis-1,3-Dichloropropene	1.0 U	1.0	0.20	1	02/01/21 14:21	
m,p-Xylenes	2.0 U	2.0	0.20	1	02/01/21 14:21	
o-Xylene	1.0 U	1.0	0.20	1	02/01/21 14:21	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	02/01/21 14:21	
trans-1,3-Dichloropropene	1.0 U	1.0	0.23	1	02/01/21 14:21	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	85 - 122	02/01/21 14:21	
Dibromofluoromethane	100	80 - 116	02/01/21 14:21	
Toluene-d8	104	87 - 121	02/01/21 14:21	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

Semivolatile 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

ALS Group USA, Corp.
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Analytical Report

Client:	Asbestos & Environmental Consulting Corporation	**Service Request:**	R2100574
Project:	700 Outparcel/20-011	**Date Collected:**	01/20/21 12:17
Sample Matrix:	Water	**Date Received:**	01/21/21 09:30
Sample Name:	MW-5	**Units:**	ug/L
Lab Code:	R2100574-001	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	9.1 U	9.1	1.2	1	01/29/21 22:04	1/27/21	
2,3,4,6-Tetrachlorophenol	9.1 U	9.1	1.2	1	01/29/21 22:04	1/27/21	
2,4,5-Trichlorophenol	9.1 U	9.1	1.1	1	01/29/21 22:04	1/27/21	
2,4,6-Trichlorophenol	9.1 U	9.1	1.4	1	01/29/21 22:04	1/27/21	
2,4-Dichlorophenol	9.1 U	9.1	1.3	1	01/29/21 22:04	1/27/21	
2,4-Dimethylphenol	9.1 U	9.1	1.4	1	01/29/21 22:04	1/27/21	
2,4-Dinitrophenol	45 U	45	20	1	01/29/21 22:04	1/27/21	
2,4-Dinitrotoluene	9.1 U	9.1	2.4	1	01/29/21 22:04	1/27/21	
2,6-Dinitrotoluene	9.1 U	9.1	1.4	1	01/29/21 22:04	1/27/21	
2-Chloronaphthalene	9.1 U	9.1	1.4	1	01/29/21 22:04	1/27/21	
2-Chlorophenol	9.1 U	9.1	1.1	1	01/29/21 22:04	1/27/21	
2-Methylnaphthalene	9.1 U	9.1	1.3	1	01/29/21 22:04	1/27/21	
2-Methylphenol	9.1 U	9.1	1.0	1	01/29/21 22:04	1/27/21	
2-Nitroaniline	9.1 U	9.1	1.4	1	01/29/21 22:04	1/27/21	
2-Nitrophenol	9.1 U	9.1	1.5	1	01/29/21 22:04	1/27/21	
3,3'-Dichlorobenzidine	9.1 U	9.1	1.2	1	01/29/21 22:04	1/27/21	
3- and 4-Methylphenol Coelution	9.1 U	9.1	1.2	1	01/29/21 22:04	1/27/21	
3-Nitroaniline	9.1 U	9.1	2.5	1	01/29/21 22:04	1/27/21	
4,6-Dinitro-2-methylphenol	45 U	45	20	1	01/29/21 22:04	1/27/21	
4-Bromophenyl Phenyl Ether	9.1 U	9.1	1.7	1	01/29/21 22:04	1/27/21	
4-Chloro-3-methylphenol	9.1 U	9.1	1.1	1	01/29/21 22:04	1/27/21	
4-Chloroaniline	9.1 U	9.1	1.0	1	01/29/21 22:04	1/27/21	
4-Chlorophenyl Phenyl Ether	9.1 U	9.1	1.5	1	01/29/21 22:04	1/27/21	
4-Nitroaniline	9.1 U	9.1	2.7	1	01/29/21 22:04	1/27/21	
4-Nitrophenol	45 U	45	6.4	1	01/29/21 22:04	1/27/21	
Acenaphthene	9.1 U	9.1	1.4	1	01/29/21 22:04	1/27/21	
Acenaphthylene	9.1 U	9.1	1.4	1	01/29/21 22:04	1/27/21	
Acetophenone	9.1 U	9.1	1.3	1	01/29/21 22:04	1/27/21	
Anthracene	9.1 U	9.1	1.3	1	01/29/21 22:04	1/27/21	
Atrazine	9.1 U	9.1	2.1	1	01/29/21 22:04	1/27/21	
Benz(a)anthracene	9.1 U	9.1	1.6	1	01/29/21 22:04	1/27/21	
Benzaldehyde	9.1 U	9.1	3.7	1	01/29/21 22:04	1/27/21	
Benzo(a)pyrene	9.1 U	9.1	1.2	1	01/29/21 22:04	1/27/21	
Benzo(b)fluoranthene	9.1 U	9.1	1.2	1	01/29/21 22:04	1/27/21	
Benzo(g,h,i)perylene	9.1 U	9.1	1.0	1	01/29/21 22:04	1/27/21	
Benzo(k)fluoranthene	9.1 U	9.1	1.3	1	01/29/21 22:04	1/27/21	
Biphenyl	9.1 U	9.1	1.4	1	01/29/21 22:04	1/27/21	
2,2'-Oxybis(1-chloropropane)	9.1 U	9.1	1.4	1	01/29/21 22:04	1/27/21	
Bis(2-chloroethoxy)methane	9.1 U	9.1	1.9	1	01/29/21 22:04	1/27/21	
Bis(2-chloroethyl) Ether	9.1 U	9.1	1.3	1	01/29/21 22:04	1/27/21	
Bis(2-ethylhexyl) Phthalate	9.1 U	9.1	7.8	1	01/29/21 22:04	1/27/21	
Butyl Benzyl Phthalate	9.1 U	9.1	1.4	1	01/29/21 22:04	1/27/21	
Caprolactam	9.1 U	9.1	1.0	1	01/29/21 22:04	1/27/21	

ALS Group USA, Corp.
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Analytical Report

Client:	Asbestos & Environmental Consulting Corporation	**Service Request:**	R2100574
Project:	700 Outparcel/20-011	**Date Collected:**	01/20/21 12:17
Sample Matrix:	Water	**Date Received:**	01/21/21 09:30
Sample Name:	MW-5	**Units:**	ug/L
Lab Code:	R2100574-001	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	9.1 U	9.1	1.6	1	01/29/21 22:04	1/27/21	
Chrysene	9.1 U	9.1	1.2	1	01/29/21 22:04	1/27/21	
Di-n-butyl Phthalate	9.1 U	9.1	1.7	1	01/29/21 22:04	1/27/21	
Di-n-octyl Phthalate	9.1 U	9.1	3.3	1	01/29/21 22:04	1/27/21	
Dibenz(a,h)anthracene	9.1 U	9.1	1.1	1	01/29/21 22:04	1/27/21	
Dibenzofuran	9.1 U	9.1	1.4	1	01/29/21 22:04	1/27/21	
Diethyl Phthalate	9.1 U	9.1	1.1	1	01/29/21 22:04	1/27/21	
Dimethyl Phthalate	9.1 U	9.1	1.3	1	01/29/21 22:04	1/27/21	
Fluoranthene	9.1 U	9.1	1.5	1	01/29/21 22:04	1/27/21	
Fluorene	9.1 U	9.1	1.3	1	01/29/21 22:04	1/27/21	
Hexachlorobenzene	9.1 U	9.1	1.6	1	01/29/21 22:04	1/27/21	
Hexachlorobutadiene	9.1 U	9.1	1.0	1	01/29/21 22:04	1/27/21	
Hexachlorocyclopentadiene	9.1 U	9.1	2.2	1	01/29/21 22:04	1/27/21	
Hexachloroethane	9.1 U	9.1	1.1	1	01/29/21 22:04	1/27/21	
Indeno(1,2,3-cd)pyrene	9.1 U	9.1	1.8	1	01/29/21 22:04	1/27/21	
Isophorone	9.1 U	9.1	1.4	1	01/29/21 22:04	1/27/21	
N-Nitrosodi-n-propylamine	9.1 U	9.1	1.2	1	01/29/21 22:04	1/27/21	
N-Nitrosodiphenylamine	9.1 U	9.1	2.7	1	01/29/21 22:04	1/27/21	
Naphthalene	9.1 U	9.1	1.2	1	01/29/21 22:04	1/27/21	
Nitrobenzene	9.1 U	9.1	1.5	1	01/29/21 22:04	1/27/21	
Pentachlorophenol (PCP)	45 U	45	9.7	1	01/29/21 22:04	1/27/21	
Phenanthrene	9.1 U	9.1	1.4	1	01/29/21 22:04	1/27/21	
Phenol	9.1 U	9.1	1.0	1	01/29/21 22:04	1/27/21	
Pyrene	9.1 U	9.1	1.5	1	01/29/21 22:04	1/27/21	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	33 *	35 - 141	01/29/21 22:04	*
2-Fluorobiphenyl	32	31 - 118	01/29/21 22:04	
2-Fluorophenol	27	10 - 105	01/29/21 22:04	
Nitrobenzene-d5	27 *	31 - 110	01/29/21 22:04	*
Phenol-d6	20	10 - 107	01/29/21 22:04	
Terphenyl-d14	46	10 - 165	01/29/21 22:04	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client:	Asbestos & Environmental Consulting Corporation	**Service Request:**	R2100574
Project:	700 Outparcel/20-011	**Date Collected:**	01/20/21 12:17
Sample Matrix:	Water	**Date Received:**	01/21/21 09:30
Sample Name:	MW-5	**Units:**	ug/L
Lab Code:	R2100574-001	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	9.1 U	9.1	1.2	1	02/09/21 20:26	2/5/21	*
2,3,4,6-Tetrachlorophenol	9.1 U	9.1	1.2	1	02/09/21 20:26	2/5/21	*
2,4,5-Trichlorophenol	9.1 U	9.1	1.1	1	02/09/21 20:26	2/5/21	*
2,4,6-Trichlorophenol	9.1 U	9.1	1.4	1	02/09/21 20:26	2/5/21	*
2,4-Dichlorophenol	9.1 U	9.1	1.3	1	02/09/21 20:26	2/5/21	*
2,4-Dimethylphenol	9.1 U	9.1	1.4	1	02/09/21 20:26	2/5/21	*
2,4-Dinitrophenol	45 U	45	20	1	02/09/21 20:26	2/5/21	*
2,4-Dinitrotoluene	9.1 U	9.1	2.4	1	02/09/21 20:26	2/5/21	*
2,6-Dinitrotoluene	9.1 U	9.1	1.4	1	02/09/21 20:26	2/5/21	*
2-Chloronaphthalene	9.1 U	9.1	1.4	1	02/09/21 20:26	2/5/21	*
2-Chlorophenol	9.1 U	9.1	1.1	1	02/09/21 20:26	2/5/21	*
2-Methylnaphthalene	9.1 U	9.1	1.3	1	02/09/21 20:26	2/5/21	*
2-Methylphenol	9.1 U	9.1	1.0	1	02/09/21 20:26	2/5/21	*
2-Nitroaniline	9.1 U	9.1	1.4	1	02/09/21 20:26	2/5/21	*
2-Nitrophenol	9.1 U	9.1	1.5	1	02/09/21 20:26	2/5/21	*
3,3'-Dichlorobenzidine	9.1 U	9.1	1.2	1	02/09/21 20:26	2/5/21	*
3- and 4-Methylphenol Coelution	9.1 U	9.1	1.2	1	02/09/21 20:26	2/5/21	*
3-Nitroaniline	9.1 U	9.1	2.5	1	02/09/21 20:26	2/5/21	*
4,6-Dinitro-2-methylphenol	45 U	45	20	1	02/09/21 20:26	2/5/21	*
4-Bromophenyl Phenyl Ether	9.1 U	9.1	1.7	1	02/09/21 20:26	2/5/21	*
4-Chloro-3-methylphenol	9.1 U	9.1	1.1	1	02/09/21 20:26	2/5/21	*
4-Chloroaniline	9.1 U	9.1	1.0	1	02/09/21 20:26	2/5/21	*
4-Chlorophenyl Phenyl Ether	9.1 U	9.1	1.5	1	02/09/21 20:26	2/5/21	*
4-Nitroaniline	9.1 U	9.1	2.7	1	02/09/21 20:26	2/5/21	*
4-Nitrophenol	45 U	45	6.4	1	02/09/21 20:26	2/5/21	*
Acenaphthene	9.1 U	9.1	1.4	1	02/09/21 20:26	2/5/21	*
Acenaphthylene	9.1 U	9.1	1.4	1	02/09/21 20:26	2/5/21	*
Acetophenone	9.1 U	9.1	1.3	1	02/09/21 20:26	2/5/21	*
Anthracene	9.1 U	9.1	1.3	1	02/09/21 20:26	2/5/21	*
Atrazine	9.1 U	9.1	2.1	1	02/09/21 20:26	2/5/21	*
Benz(a)anthracene	9.1 U	9.1	1.6	1	02/09/21 20:26	2/5/21	*
Benzaldehyde	9.1 U	9.1	3.7	1	02/09/21 20:26	2/5/21	*
Benzo(a)pyrene	9.1 U	9.1	1.2	1	02/09/21 20:26	2/5/21	*
Benzo(b)fluoranthene	9.1 U	9.1	1.2	1	02/09/21 20:26	2/5/21	*
Benzo(g,h,i)perylene	9.1 U	9.1	1.0	1	02/09/21 20:26	2/5/21	*
Benzo(k)fluoranthene	9.1 U	9.1	1.3	1	02/09/21 20:26	2/5/21	*
Biphenyl	9.1 U	9.1	1.4	1	02/09/21 20:26	2/5/21	*
2,2'-Oxybis(1-chloropropane)	9.1 U	9.1	1.4	1	02/09/21 20:26	2/5/21	*
Bis(2-chloroethoxy)methane	9.1 U	9.1	1.9	1	02/09/21 20:26	2/5/21	*
Bis(2-chloroethyl) Ether	9.1 U	9.1	1.3	1	02/09/21 20:26	2/5/21	*
Bis(2-ethylhexyl) Phthalate	9.1 U	9.1	7.8	1	02/09/21 20:26	2/5/21	*
Butyl Benzyl Phthalate	9.1 U	9.1	1.4	1	02/09/21 20:26	2/5/21	*
Caprolactam	9.1 U	9.1	1.0	1	02/09/21 20:26	2/5/21	*

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Analytical Report

Client:	Asbestos & Environmental Consulting Corporation	**Service Request:**	R2100574
Project:	700 Outparcel/20-011	**Date Collected:**	01/20/21 12:17
Sample Matrix:	Water	**Date Received:**	01/21/21 09:30
Sample Name:	MW-5	**Units:**	ug/L
Lab Code:	R2100574-001	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	9.1 U	9.1	1.6	1	02/09/21 20:26	2/5/21	*
Chrysene	9.1 U	9.1	1.2	1	02/09/21 20:26	2/5/21	*
Di-n-butyl Phthalate	9.1 U	9.1	1.7	1	02/09/21 20:26	2/5/21	*
Di-n-octyl Phthalate	9.1 U	9.1	3.3	1	02/09/21 20:26	2/5/21	*
Dibenz(a,h)anthracene	9.1 U	9.1	1.1	1	02/09/21 20:26	2/5/21	*
Dibenzofuran	9.1 U	9.1	1.4	1	02/09/21 20:26	2/5/21	*
Diethyl Phthalate	9.1 U	9.1	1.1	1	02/09/21 20:26	2/5/21	*
Dimethyl Phthalate	9.1 U	9.1	1.3	1	02/09/21 20:26	2/5/21	*
Fluoranthene	9.1 U	9.1	1.5	1	02/09/21 20:26	2/5/21	*
Fluorene	9.1 U	9.1	1.3	1	02/09/21 20:26	2/5/21	*
Hexachlorobenzene	9.1 U	9.1	1.6	1	02/09/21 20:26	2/5/21	*
Hexachlorobutadiene	9.1 U	9.1	1.0	1	02/09/21 20:26	2/5/21	*
Hexachlorocyclopentadiene	9.1 U	9.1	2.2	1	02/09/21 20:26	2/5/21	*
Hexachloroethane	9.1 U	9.1	1.1	1	02/09/21 20:26	2/5/21	*
Indeno(1,2,3-cd)pyrene	9.1 U	9.1	1.8	1	02/09/21 20:26	2/5/21	*
Isophorone	9.1 U	9.1	1.4	1	02/09/21 20:26	2/5/21	*
N-Nitrosodi-n-propylamine	9.1 U	9.1	1.2	1	02/09/21 20:26	2/5/21	*
N-Nitrosodiphenylamine	9.1 U	9.1	2.7	1	02/09/21 20:26	2/5/21	*
Naphthalene	9.1 U	9.1	1.2	1	02/09/21 20:26	2/5/21	*
Nitrobenzene	9.1 U	9.1	1.5	1	02/09/21 20:26	2/5/21	*
Pentachlorophenol (PCP)	45 U	45	9.7	1	02/09/21 20:26	2/5/21	*
Phenanthrene	9.1 U	9.1	1.4	1	02/09/21 20:26	2/5/21	*
Phenol	9.1 U	9.1	1.0	1	02/09/21 20:26	2/5/21	*
Pyrene	9.1 U	9.1	1.5	1	02/09/21 20:26	2/5/21	*

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	80	35 - 141	02/09/21 20:26	
2-Fluorobiphenyl	46	31 - 118	02/09/21 20:26	
2-Fluorophenol	38	10 - 105	02/09/21 20:26	
Nitrobenzene-d5	47	31 - 110	02/09/21 20:26	
Phenol-d6	27	10 - 107	02/09/21 20:26	
Terphenyl-d14	117	10 - 165	02/09/21 20:26	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
000994-05-8	Butane, 2-methoxy-2-methyl-	2.23	130	JN

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Analytical Report

Client:	Asbestos & Environmental Consulting Corporation	**Service Request:**	R2100574
Project:	700 Outparcel/20-011	**Date Collected:**	01/20/21 10:01
Sample Matrix:	Water	**Date Received:**	01/21/21 09:30
Sample Name:	MW-7	**Units:**	ug/L
Lab Code:	R2100574-002	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	9.1 U	9.1	1.2	1	01/29/21 22:32	1/27/21	
2,3,4,6-Tetrachlorophenol	9.1 U	9.1	1.2	1	01/29/21 22:32	1/27/21	
2,4,5-Trichlorophenol	9.1 U	9.1	1.1	1	01/29/21 22:32	1/27/21	
2,4,6-Trichlorophenol	9.1 U	9.1	1.4	1	01/29/21 22:32	1/27/21	
2,4-Dichlorophenol	9.1 U	9.1	1.3	1	01/29/21 22:32	1/27/21	
2,4-Dimethylphenol	9.1 U	9.1	1.4	1	01/29/21 22:32	1/27/21	
2,4-Dinitrophenol	45 U	45	20	1	01/29/21 22:32	1/27/21	
2,4-Dinitrotoluene	9.1 U	9.1	2.4	1	01/29/21 22:32	1/27/21	
2,6-Dinitrotoluene	9.1 U	9.1	1.4	1	01/29/21 22:32	1/27/21	
2-Chloronaphthalene	9.1 U	9.1	1.4	1	01/29/21 22:32	1/27/21	
2-Chlorophenol	9.1 U	9.1	1.1	1	01/29/21 22:32	1/27/21	
2-Methylnaphthalene	9.1 U	9.1	1.3	1	01/29/21 22:32	1/27/21	
2-Methylphenol	9.1 U	9.1	1.0	1	01/29/21 22:32	1/27/21	
2-Nitroaniline	9.1 U	9.1	1.4	1	01/29/21 22:32	1/27/21	
2-Nitrophenol	9.1 U	9.1	1.5	1	01/29/21 22:32	1/27/21	
3,3'-Dichlorobenzidine	9.1 U	9.1	1.2	1	01/29/21 22:32	1/27/21	
3- and 4-Methylphenol Coelution	9.1 U	9.1	1.2	1	01/29/21 22:32	1/27/21	
3-Nitroaniline	9.1 U	9.1	2.5	1	01/29/21 22:32	1/27/21	
4,6-Dinitro-2-methylphenol	45 U	45	20	1	01/29/21 22:32	1/27/21	
4-Bromophenyl Phenyl Ether	9.1 U	9.1	1.7	1	01/29/21 22:32	1/27/21	
4-Chloro-3-methylphenol	9.1 U	9.1	1.1	1	01/29/21 22:32	1/27/21	
4-Chloroaniline	9.1 U	9.1	1.0	1	01/29/21 22:32	1/27/21	
4-Chlorophenyl Phenyl Ether	9.1 U	9.1	1.5	1	01/29/21 22:32	1/27/21	
4-Nitroaniline	9.1 U	9.1	2.7	1	01/29/21 22:32	1/27/21	
4-Nitrophenol	45 U	45	6.4	1	01/29/21 22:32	1/27/21	
Acenaphthene	9.1 U	9.1	1.4	1	01/29/21 22:32	1/27/21	
Acenaphthylene	9.1 U	9.1	1.4	1	01/29/21 22:32	1/27/21	
Acetophenone	9.1 U	9.1	1.3	1	01/29/21 22:32	1/27/21	
Anthracene	9.1 U	9.1	1.3	1	01/29/21 22:32	1/27/21	
Atrazine	9.1 U	9.1	2.1	1	01/29/21 22:32	1/27/21	
Benz(a)anthracene	9.1 U	9.1	1.6	1	01/29/21 22:32	1/27/21	
Benzaldehyde	9.1 U	9.1	3.7	1	01/29/21 22:32	1/27/21	
Benzo(a)pyrene	9.1 U	9.1	1.2	1	01/29/21 22:32	1/27/21	
Benzo(b)fluoranthene	9.1 U	9.1	1.2	1	01/29/21 22:32	1/27/21	
Benzo(g,h,i)perylene	9.1 U	9.1	1.0	1	01/29/21 22:32	1/27/21	
Benzo(k)fluoranthene	9.1 U	9.1	1.3	1	01/29/21 22:32	1/27/21	
Biphenyl	9.1 U	9.1	1.4	1	01/29/21 22:32	1/27/21	
2,2'-Oxybis(1-chloropropane)	9.1 U	9.1	1.4	1	01/29/21 22:32	1/27/21	
Bis(2-chloroethoxy)methane	9.1 U	9.1	1.9	1	01/29/21 22:32	1/27/21	
Bis(2-chloroethyl) Ether	9.1 U	9.1	1.3	1	01/29/21 22:32	1/27/21	
Bis(2-ethylhexyl) Phthalate	9.1 U	9.1	7.8	1	01/29/21 22:32	1/27/21	
Butyl Benzyl Phthalate	9.1 U	9.1	1.4	1	01/29/21 22:32	1/27/21	
Caprolactam	9.1 U	9.1	1.0	1	01/29/21 22:32	1/27/21	

ALS Group USA, Corp.
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Analytical Report

Client:	Asbestos & Environmental Consulting Corporation	**Service Request:**	R2100574
Project:	700 Outparcel/20-011	**Date Collected:**	01/20/21 10:01
Sample Matrix:	Water	**Date Received:**	01/21/21 09:30
Sample Name:	MW-7	**Units:**	ug/L
Lab Code:	R2100574-002	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	9.1 U	9.1	1.6	1	01/29/21 22:32	1/27/21	
Chrysene	9.1 U	9.1	1.2	1	01/29/21 22:32	1/27/21	
Di-n-butyl Phthalate	9.1 U	9.1	1.7	1	01/29/21 22:32	1/27/21	
Di-n-octyl Phthalate	9.1 U	9.1	3.3	1	01/29/21 22:32	1/27/21	
Dibenz(a,h)anthracene	9.1 U	9.1	1.1	1	01/29/21 22:32	1/27/21	
Dibenzofuran	9.1 U	9.1	1.4	1	01/29/21 22:32	1/27/21	
Diethyl Phthalate	9.1 U	9.1	1.1	1	01/29/21 22:32	1/27/21	
Dimethyl Phthalate	9.1 U	9.1	1.3	1	01/29/21 22:32	1/27/21	
Fluoranthene	9.1 U	9.1	1.5	1	01/29/21 22:32	1/27/21	
Fluorene	9.1 U	9.1	1.3	1	01/29/21 22:32	1/27/21	
Hexachlorobenzene	9.1 U	9.1	1.6	1	01/29/21 22:32	1/27/21	
Hexachlorobutadiene	9.1 U	9.1	1.0	1	01/29/21 22:32	1/27/21	
Hexachlorocyclopentadiene	9.1 U	9.1	2.2	1	01/29/21 22:32	1/27/21	
Hexachloroethane	9.1 U	9.1	1.1	1	01/29/21 22:32	1/27/21	
Indeno(1,2,3-cd)pyrene	9.1 U	9.1	1.8	1	01/29/21 22:32	1/27/21	
Isophorone	9.1 U	9.1	1.4	1	01/29/21 22:32	1/27/21	
N-Nitrosodi-n-propylamine	9.1 U	9.1	1.2	1	01/29/21 22:32	1/27/21	
N-Nitrosodiphenylamine	9.1 U	9.1	2.7	1	01/29/21 22:32	1/27/21	
Naphthalene	9.1 U	9.1	1.2	1	01/29/21 22:32	1/27/21	
Nitrobenzene	9.1 U	9.1	1.5	1	01/29/21 22:32	1/27/21	
Pentachlorophenol (PCP)	45 U	45	9.7	1	01/29/21 22:32	1/27/21	
Phenanthrene	9.1 U	9.1	1.4	1	01/29/21 22:32	1/27/21	
Phenol	9.1 U	9.1	1.0	1	01/29/21 22:32	1/27/21	
Pyrene	9.1 U	9.1	1.5	1	01/29/21 22:32	1/27/21	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	69	35 - 141	01/29/21 22:32	
2-Fluorobiphenyl	50	31 - 118	01/29/21 22:32	
2-Fluorophenol	36	10 - 105	01/29/21 22:32	
Nitrobenzene-d5	45	31 - 110	01/29/21 22:32	
Phenol-d6	25	10 - 107	01/29/21 22:32	
Terphenyl-d14	74	10 - 165	01/29/21 22:32	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

ALS Group USA, Corp.
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Analytical Report

Client:	Asbestos & Environmental Consulting Corporation	**Service Request:**	R2100574
Project:	700 Outparcel/20-011	**Date Collected:**	01/20/21 10:01
Sample Matrix:	Water	**Date Received:**	01/21/21 09:30
Sample Name:	MW-7	**Units:**	ug/L
Lab Code:	R2100574-002	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	9.1 U	9.1	1.2	1	02/09/21 20:53	2/5/21	*
2,3,4,6-Tetrachlorophenol	9.1 U	9.1	1.2	1	02/09/21 20:53	2/5/21	*
2,4,5-Trichlorophenol	9.1 U	9.1	1.1	1	02/09/21 20:53	2/5/21	*
2,4,6-Trichlorophenol	9.1 U	9.1	1.4	1	02/09/21 20:53	2/5/21	*
2,4-Dichlorophenol	9.1 U	9.1	1.3	1	02/09/21 20:53	2/5/21	*
2,4-Dimethylphenol	9.1 U	9.1	1.4	1	02/09/21 20:53	2/5/21	*
2,4-Dinitrophenol	45 U	45	20	1	02/09/21 20:53	2/5/21	*
2,4-Dinitrotoluene	9.1 U	9.1	2.4	1	02/09/21 20:53	2/5/21	*
2,6-Dinitrotoluene	9.1 U	9.1	1.4	1	02/09/21 20:53	2/5/21	*
2-Chloronaphthalene	9.1 U	9.1	1.4	1	02/09/21 20:53	2/5/21	*
2-Chlorophenol	9.1 U	9.1	1.1	1	02/09/21 20:53	2/5/21	*
2-Methylnaphthalene	9.1 U	9.1	1.3	1	02/09/21 20:53	2/5/21	*
2-Methylphenol	9.1 U	9.1	1.0	1	02/09/21 20:53	2/5/21	*
2-Nitroaniline	9.1 U	9.1	1.4	1	02/09/21 20:53	2/5/21	*
2-Nitrophenol	9.1 U	9.1	1.5	1	02/09/21 20:53	2/5/21	*
3,3'-Dichlorobenzidine	9.1 U	9.1	1.2	1	02/09/21 20:53	2/5/21	*
3- and 4-Methylphenol Coelution	9.1 U	9.1	1.2	1	02/09/21 20:53	2/5/21	*
3-Nitroaniline	9.1 U	9.1	2.5	1	02/09/21 20:53	2/5/21	*
4,6-Dinitro-2-methylphenol	45 U	45	20	1	02/09/21 20:53	2/5/21	*
4-Bromophenyl Phenyl Ether	9.1 U	9.1	1.7	1	02/09/21 20:53	2/5/21	*
4-Chloro-3-methylphenol	9.1 U	9.1	1.1	1	02/09/21 20:53	2/5/21	*
4-Chloroaniline	9.1 U	9.1	1.0	1	02/09/21 20:53	2/5/21	*
4-Chlorophenyl Phenyl Ether	9.1 U	9.1	1.5	1	02/09/21 20:53	2/5/21	*
4-Nitroaniline	9.1 U	9.1	2.7	1	02/09/21 20:53	2/5/21	*
4-Nitrophenol	45 U	45	6.4	1	02/09/21 20:53	2/5/21	*
Acenaphthene	9.1 U	9.1	1.4	1	02/09/21 20:53	2/5/21	*
Acenaphthylene	9.1 U	9.1	1.4	1	02/09/21 20:53	2/5/21	*
Acetophenone	9.1 U	9.1	1.3	1	02/09/21 20:53	2/5/21	*
Anthracene	9.1 U	9.1	1.3	1	02/09/21 20:53	2/5/21	*
Atrazine	9.1 U	9.1	2.1	1	02/09/21 20:53	2/5/21	*
Benz(a)anthracene	9.1 U	9.1	1.6	1	02/09/21 20:53	2/5/21	*
Benzaldehyde	9.1 U	9.1	3.7	1	02/09/21 20:53	2/5/21	*
Benzo(a)pyrene	9.1 U	9.1	1.2	1	02/09/21 20:53	2/5/21	*
Benzo(b)fluoranthene	9.1 U	9.1	1.2	1	02/09/21 20:53	2/5/21	*
Benzo(g,h,i)perylene	9.1 U	9.1	1.0	1	02/09/21 20:53	2/5/21	*
Benzo(k)fluoranthene	9.1 U	9.1	1.3	1	02/09/21 20:53	2/5/21	*
Biphenyl	9.1 U	9.1	1.4	1	02/09/21 20:53	2/5/21	*
2,2'-Oxybis(1-chloropropane)	9.1 U	9.1	1.4	1	02/09/21 20:53	2/5/21	*
Bis(2-chloroethoxy)methane	9.1 U	9.1	1.9	1	02/09/21 20:53	2/5/21	*
Bis(2-chloroethyl) Ether	9.1 U	9.1	1.3	1	02/09/21 20:53	2/5/21	*
Bis(2-ethylhexyl) Phthalate	9.1 U	9.1	7.8	1	02/09/21 20:53	2/5/21	*
Butyl Benzyl Phthalate	9.1 U	9.1	1.4	1	02/09/21 20:53	2/5/21	*
Caprolactam	9.1 U	9.1	1.0	1	02/09/21 20:53	2/5/21	*

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Analytical Report

Client:	Asbestos & Environmental Consulting Corporation	**Service Request:**	R2100574
Project:	700 Outparcel/20-011	**Date Collected:**	01/20/21 10:01
Sample Matrix:	Water	**Date Received:**	01/21/21 09:30
Sample Name:	MW-7	**Units:**	ug/L
Lab Code:	R2100574-002	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	9.1 U	9.1	1.6	1	02/09/21 20:53	2/5/21	*
Chrysene	9.1 U	9.1	1.2	1	02/09/21 20:53	2/5/21	*
Di-n-butyl Phthalate	9.1 U	9.1	1.7	1	02/09/21 20:53	2/5/21	*
Di-n-octyl Phthalate	9.1 U	9.1	3.3	1	02/09/21 20:53	2/5/21	*
Dibenz(a,h)anthracene	9.1 U	9.1	1.1	1	02/09/21 20:53	2/5/21	*
Dibenzofuran	9.1 U	9.1	1.4	1	02/09/21 20:53	2/5/21	*
Diethyl Phthalate	9.1 U	9.1	1.1	1	02/09/21 20:53	2/5/21	*
Dimethyl Phthalate	9.1 U	9.1	1.3	1	02/09/21 20:53	2/5/21	*
Fluoranthene	9.1 U	9.1	1.5	1	02/09/21 20:53	2/5/21	*
Fluorene	9.1 U	9.1	1.3	1	02/09/21 20:53	2/5/21	*
Hexachlorobenzene	9.1 U	9.1	1.6	1	02/09/21 20:53	2/5/21	*
Hexachlorobutadiene	9.1 U	9.1	1.0	1	02/09/21 20:53	2/5/21	*
Hexachlorocyclopentadiene	9.1 U	9.1	2.2	1	02/09/21 20:53	2/5/21	*
Hexachloroethane	9.1 U	9.1	1.1	1	02/09/21 20:53	2/5/21	*
Indeno(1,2,3-cd)pyrene	9.1 U	9.1	1.8	1	02/09/21 20:53	2/5/21	*
Isophorone	9.1 U	9.1	1.4	1	02/09/21 20:53	2/5/21	*
N-Nitrosodi-n-propylamine	9.1 U	9.1	1.2	1	02/09/21 20:53	2/5/21	*
N-Nitrosodiphenylamine	9.1 U	9.1	2.7	1	02/09/21 20:53	2/5/21	*
Naphthalene	9.1 U	9.1	1.2	1	02/09/21 20:53	2/5/21	*
Nitrobenzene	9.1 U	9.1	1.5	1	02/09/21 20:53	2/5/21	*
Pentachlorophenol (PCP)	45 U	45	9.7	1	02/09/21 20:53	2/5/21	*
Phenanthrene	9.1 U	9.1	1.4	1	02/09/21 20:53	2/5/21	*
Phenol	9.1 U	9.1	1.0	1	02/09/21 20:53	2/5/21	*
Pyrene	9.1 U	9.1	1.5	1	02/09/21 20:53	2/5/21	*

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	106	35 - 141	02/09/21 20:53	
2-Fluorobiphenyl	72	31 - 118	02/09/21 20:53	
2-Fluorophenol	46	10 - 105	02/09/21 20:53	
Nitrobenzene-d5	73	31 - 110	02/09/21 20:53	
Phenol-d6	29	10 - 107	02/09/21 20:53	
Terphenyl-d14	115	10 - 165	02/09/21 20:53	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	unknown	2.22	140	J
	unknown	3.00	5.1	J
	unknown	3.44	3.6	J

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Analytical Report

Client:	Asbestos & Environmental Consulting Corporation	**Service Request:**	R2100574
Project:	700 Outparcel/20-011	**Date Collected:**	01/20/21 15:08
Sample Matrix:	Water	**Date Received:**	01/21/21 09:30
Sample Name:	MW-8	**Units:**	ug/L
Lab Code:	R2100574-003	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	9.1 U	9.1	1.2	1	01/29/21 23:55	1/27/21	
2,3,4,6-Tetrachlorophenol	9.1 U	9.1	1.2	1	01/29/21 23:55	1/27/21	
2,4,5-Trichlorophenol	9.1 U	9.1	1.1	1	01/29/21 23:55	1/27/21	
2,4,6-Trichlorophenol	9.1 U	9.1	1.4	1	01/29/21 23:55	1/27/21	
2,4-Dichlorophenol	9.1 U	9.1	1.3	1	01/29/21 23:55	1/27/21	
2,4-Dimethylphenol	9.1 U	9.1	1.4	1	01/29/21 23:55	1/27/21	
2,4-Dinitrophenol	45 U	45	20	1	01/29/21 23:55	1/27/21	
2,4-Dinitrotoluene	9.1 U	9.1	2.4	1	01/29/21 23:55	1/27/21	
2,6-Dinitrotoluene	9.1 U	9.1	1.4	1	01/29/21 23:55	1/27/21	
2-Chloronaphthalene	9.1 U	9.1	1.4	1	01/29/21 23:55	1/27/21	
2-Chlorophenol	9.1 U	9.1	1.1	1	01/29/21 23:55	1/27/21	
2-Methylnaphthalene	9.1 U	9.1	1.3	1	01/29/21 23:55	1/27/21	
2-Methylphenol	9.1 U	9.1	1.0	1	01/29/21 23:55	1/27/21	
2-Nitroaniline	9.1 U	9.1	1.4	1	01/29/21 23:55	1/27/21	
2-Nitrophenol	9.1 U	9.1	1.5	1	01/29/21 23:55	1/27/21	
3,3'-Dichlorobenzidine	9.1 U	9.1	1.2	1	01/29/21 23:55	1/27/21	
3- and 4-Methylphenol Coelution	9.1 U	9.1	1.2	1	01/29/21 23:55	1/27/21	
3-Nitroaniline	9.1 U	9.1	2.5	1	01/29/21 23:55	1/27/21	
4,6-Dinitro-2-methylphenol	45 U	45	20	1	01/29/21 23:55	1/27/21	
4-Bromophenyl Phenyl Ether	9.1 U	9.1	1.7	1	01/29/21 23:55	1/27/21	
4-Chloro-3-methylphenol	9.1 U	9.1	1.1	1	01/29/21 23:55	1/27/21	
4-Chloroaniline	9.1 U	9.1	1.0	1	01/29/21 23:55	1/27/21	
4-Chlorophenyl Phenyl Ether	9.1 U	9.1	1.5	1	01/29/21 23:55	1/27/21	
4-Nitroaniline	9.1 U	9.1	2.7	1	01/29/21 23:55	1/27/21	
4-Nitrophenol	45 U	45	6.4	1	01/29/21 23:55	1/27/21	
Acenaphthene	9.1 U	9.1	1.4	1	01/29/21 23:55	1/27/21	
Acenaphthylene	9.1 U	9.1	1.4	1	01/29/21 23:55	1/27/21	
Acetophenone	9.1 U	9.1	1.3	1	01/29/21 23:55	1/27/21	
Anthracene	9.1 U	9.1	1.3	1	01/29/21 23:55	1/27/21	
Atrazine	9.1 U	9.1	2.1	1	01/29/21 23:55	1/27/21	
Benz(a)anthracene	9.1 U	9.1	1.6	1	01/29/21 23:55	1/27/21	
Benzaldehyde	9.1 U	9.1	3.7	1	01/29/21 23:55	1/27/21	
Benzo(a)pyrene	9.1 U	9.1	1.2	1	01/29/21 23:55	1/27/21	
Benzo(b)fluoranthene	9.1 U	9.1	1.2	1	01/29/21 23:55	1/27/21	
Benzo(g,h,i)perylene	9.1 U	9.1	1.0	1	01/29/21 23:55	1/27/21	
Benzo(k)fluoranthene	9.1 U	9.1	1.3	1	01/29/21 23:55	1/27/21	
Biphenyl	9.1 U	9.1	1.4	1	01/29/21 23:55	1/27/21	
2,2'-Oxybis(1-chloropropane)	9.1 U	9.1	1.4	1	01/29/21 23:55	1/27/21	
Bis(2-chloroethoxy)methane	9.1 U	9.1	1.9	1	01/29/21 23:55	1/27/21	
Bis(2-chloroethyl) Ether	9.1 U	9.1	1.3	1	01/29/21 23:55	1/27/21	
Bis(2-ethylhexyl) Phthalate	**12**	9.1	7.8	1	01/29/21 23:55	1/27/21	
Butyl Benzyl Phthalate	9.1 U	9.1	1.4	1	01/29/21 23:55	1/27/21	
Caprolactam	9.1 U	9.1	1.0	1	01/29/21 23:55	1/27/21	

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Analytical Report

Client:	Asbestos & Environmental Consulting Corporation	**Service Request:**	R2100574
Project:	700 Outparcel/20-011	**Date Collected:**	01/20/21 15:08
Sample Matrix:	Water	**Date Received:**	01/21/21 09:30
Sample Name:	MW-8	**Units:**	ug/L
Lab Code:	R2100574-003	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	9.1 U	9.1	1.6	1	01/29/21 23:55	1/27/21	
Chrysene	9.1 U	9.1	1.2	1	01/29/21 23:55	1/27/21	
Di-n-butyl Phthalate	9.1 U	9.1	1.7	1	01/29/21 23:55	1/27/21	
Di-n-octyl Phthalate	9.1 U	9.1	3.3	1	01/29/21 23:55	1/27/21	
Dibenz(a,h)anthracene	9.1 U	9.1	1.1	1	01/29/21 23:55	1/27/21	
Dibenzofuran	9.1 U	9.1	1.4	1	01/29/21 23:55	1/27/21	
Diethyl Phthalate	9.1 U	9.1	1.1	1	01/29/21 23:55	1/27/21	
Dimethyl Phthalate	9.1 U	9.1	1.3	1	01/29/21 23:55	1/27/21	
Fluoranthene	9.1 U	9.1	1.5	1	01/29/21 23:55	1/27/21	
Fluorene	9.1 U	9.1	1.3	1	01/29/21 23:55	1/27/21	
Hexachlorobenzene	9.1 U	9.1	1.6	1	01/29/21 23:55	1/27/21	
Hexachlorobutadiene	9.1 U	9.1	1.0	1	01/29/21 23:55	1/27/21	
Hexachlorocyclopentadiene	9.1 U	9.1	2.2	1	01/29/21 23:55	1/27/21	
Hexachloroethane	9.1 U	9.1	1.1	1	01/29/21 23:55	1/27/21	
Indeno(1,2,3-cd)pyrene	9.1 U	9.1	1.8	1	01/29/21 23:55	1/27/21	
Isophorone	9.1 U	9.1	1.4	1	01/29/21 23:55	1/27/21	
N-Nitrosodi-n-propylamine	9.1 U	9.1	1.2	1	01/29/21 23:55	1/27/21	
N-Nitrosodiphenylamine	9.1 U	9.1	2.7	1	01/29/21 23:55	1/27/21	
Naphthalene	9.1 U	9.1	1.2	1	01/29/21 23:55	1/27/21	
Nitrobenzene	9.1 U	9.1	1.5	1	01/29/21 23:55	1/27/21	
Pentachlorophenol (PCP)	45 U	45	9.7	1	01/29/21 23:55	1/27/21	
Phenanthrene	9.1 U	9.1	1.4	1	01/29/21 23:55	1/27/21	
Phenol	9.1 U	9.1	1.0	1	01/29/21 23:55	1/27/21	
Pyrene	9.1 U	9.1	1.5	1	01/29/21 23:55	1/27/21	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	69	35 - 141	01/29/21 23:55	
2-Fluorobiphenyl	64	31 - 118	01/29/21 23:55	
2-Fluorophenol	37	10 - 105	01/29/21 23:55	
Nitrobenzene-d5	62	31 - 110	01/29/21 23:55	
Phenol-d6	25	10 - 107	01/29/21 23:55	
Terphenyl-d14	55	10 - 165	01/29/21 23:55	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	unknown	12.04	37	J
	unknown	3.29	26	J
	unknown	4.05	34	J
	unknown hydrocarbon	4.08	26	J
	unknown	4.28	68	J
	unknown	4.31	34	J

ALS Group USA, Corp.
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Analytical Report

Client:	Asbestos & Environmental Consulting Corporation	**Service Request:**	R2100574
Project:	700 Outparcel/20-011	**Date Collected:**	01/20/21 15:08
Sample Matrix:	Water	**Date Received:**	01/21/21 09:30
Sample Name:	MW-8	**Units:**	ug/L
Lab Code:	R2100574-003	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
000620-14-4	Benzene, 1-ethyl-3-methyl-	4.44	67	JN
000108-67-8	Benzene, 1,3,5-trimethyl-	4.56	200	JN
	unknown	4.81	34	J
	unknown	4.86	27	J
000141-93-5	Benzene, 1,3-diethyl-	4.92	26	JN
	unknown	4.94	37	J
000105-05-5	Benzene, 1,4-diethyl-	4.98	85	JN
	unknown	5.28	40	J
000934-74-7	Benzene, 1-ethyl-3,5-dimethyl-	5.41	30	JN
	unknown	5.57	35	J
	unknown	5.63	47	J
	unknown	5.70	32	J

ALS Group USA, Corp.
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Analytical Report

Client:	Asbestos & Environmental Consulting Corporation	**Service Request:**	R2100574
Project:	700 Outparcel/20-011	**Date Collected:**	01/20/21 15:08
Sample Matrix:	Water	**Date Received:**	01/21/21 09:30
Sample Name:	MW-8	**Units:**	ug/L
Lab Code:	R2100574-003	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	9.1 U	9.1	1.2	1	02/09/21 22:14	2/5/21	*
2,3,4,6-Tetrachlorophenol	9.1 U	9.1	1.2	1	02/09/21 22:14	2/5/21	*
2,4,5-Trichlorophenol	9.1 U	9.1	1.1	1	02/09/21 22:14	2/5/21	*
2,4,6-Trichlorophenol	9.1 U	9.1	1.4	1	02/09/21 22:14	2/5/21	*
2,4-Dichlorophenol	9.1 U	9.1	1.3	1	02/09/21 22:14	2/5/21	*
2,4-Dimethylphenol	9.1 U	9.1	1.4	1	02/09/21 22:14	2/5/21	*
2,4-Dinitrophenol	45 U	45	20	1	02/09/21 22:14	2/5/21	*
2,4-Dinitrotoluene	9.1 U	9.1	2.4	1	02/09/21 22:14	2/5/21	*
2,6-Dinitrotoluene	9.1 U	9.1	1.4	1	02/09/21 22:14	2/5/21	*
2-Chloronaphthalene	9.1 U	9.1	1.4	1	02/09/21 22:14	2/5/21	*
2-Chlorophenol	9.1 U	9.1	1.1	1	02/09/21 22:14	2/5/21	*
2-Methylnaphthalene	9.1 U	9.1	1.3	1	02/09/21 22:14	2/5/21	*
2-Methylphenol	9.1 U	9.1	1.0	1	02/09/21 22:14	2/5/21	*
2-Nitroaniline	9.1 U	9.1	1.4	1	02/09/21 22:14	2/5/21	*
2-Nitrophenol	9.1 U	9.1	1.5	1	02/09/21 22:14	2/5/21	*
3,3'-Dichlorobenzidine	9.1 U	9.1	1.2	1	02/09/21 22:14	2/5/21	*
3- and 4-Methylphenol Coelution	9.1 U	9.1	1.2	1	02/09/21 22:14	2/5/21	*
3-Nitroaniline	9.1 U	9.1	2.5	1	02/09/21 22:14	2/5/21	*
4,6-Dinitro-2-methylphenol	45 U	45	20	1	02/09/21 22:14	2/5/21	*
4-Bromophenyl Phenyl Ether	9.1 U	9.1	1.7	1	02/09/21 22:14	2/5/21	*
4-Chloro-3-methylphenol	9.1 U	9.1	1.1	1	02/09/21 22:14	2/5/21	*
4-Chloroaniline	9.1 U	9.1	1.0	1	02/09/21 22:14	2/5/21	*
4-Chlorophenyl Phenyl Ether	9.1 U	9.1	1.5	1	02/09/21 22:14	2/5/21	*
4-Nitroaniline	9.1 U	9.1	2.7	1	02/09/21 22:14	2/5/21	*
4-Nitrophenol	45 U	45	6.4	1	02/09/21 22:14	2/5/21	*
Acenaphthene	9.1 U	9.1	1.4	1	02/09/21 22:14	2/5/21	*
Acenaphthylene	9.1 U	9.1	1.4	1	02/09/21 22:14	2/5/21	*
Acetophenone	9.1 U	9.1	1.3	1	02/09/21 22:14	2/5/21	*
Anthracene	9.1 U	9.1	1.3	1	02/09/21 22:14	2/5/21	*
Atrazine	9.1 U	9.1	2.1	1	02/09/21 22:14	2/5/21	*
Benz(a)anthracene	9.1 U	9.1	1.6	1	02/09/21 22:14	2/5/21	*
Benzaldehyde	9.1 U	9.1	3.7	1	02/09/21 22:14	2/5/21	*
Benzo(a)pyrene	9.1 U	9.1	1.2	1	02/09/21 22:14	2/5/21	*
Benzo(b)fluoranthene	9.1 U	9.1	1.2	1	02/09/21 22:14	2/5/21	*
Benzo(g,h,i)perylene	9.1 U	9.1	1.0	1	02/09/21 22:14	2/5/21	*
Benzo(k)fluoranthene	9.1 U	9.1	1.3	1	02/09/21 22:14	2/5/21	*
Biphenyl	9.1 U	9.1	1.4	1	02/09/21 22:14	2/5/21	*
2,2'-Oxybis(1-chloropropane)	9.1 U	9.1	1.4	1	02/09/21 22:14	2/5/21	*
Bis(2-chloroethoxy)methane	9.1 U	9.1	1.9	1	02/09/21 22:14	2/5/21	*
Bis(2-chloroethyl) Ether	9.1 U	9.1	1.3	1	02/09/21 22:14	2/5/21	*
Bis(2-ethylhexyl) Phthalate	9.1 U	9.1	7.8	1	02/09/21 22:14	2/5/21	*
Butyl Benzyl Phthalate	9.1 U	9.1	1.4	1	02/09/21 22:14	2/5/21	*
Caprolactam	9.1 U	9.1	1.0	1	02/09/21 22:14	2/5/21	*

ALS Group USA, Corp.
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Analytical Report

Client:	Asbestos & Environmental Consulting Corporation	**Service Request:**	R2100574
Project:	700 Outparcel/20-011	**Date Collected:**	01/20/21 15:08
Sample Matrix:	Water	**Date Received:**	01/21/21 09:30
Sample Name:	MW-8	**Units:**	ug/L
Lab Code:	R2100574-003	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	9.1 U	9.1	1.6	1	02/09/21 22:14	2/5/21	*
Chrysene	9.1 U	9.1	1.2	1	02/09/21 22:14	2/5/21	*
Di-n-butyl Phthalate	9.1 U	9.1	1.7	1	02/09/21 22:14	2/5/21	*
Di-n-octyl Phthalate	9.1 U	9.1	3.3	1	02/09/21 22:14	2/5/21	*
Dibenz(a,h)anthracene	9.1 U	9.1	1.1	1	02/09/21 22:14	2/5/21	*
Dibenzofuran	9.1 U	9.1	1.4	1	02/09/21 22:14	2/5/21	*
Diethyl Phthalate	9.1 U	9.1	1.1	1	02/09/21 22:14	2/5/21	*
Dimethyl Phthalate	9.1 U	9.1	1.3	1	02/09/21 22:14	2/5/21	*
Fluoranthene	9.1 U	9.1	1.5	1	02/09/21 22:14	2/5/21	*
Fluorene	9.1 U	9.1	1.3	1	02/09/21 22:14	2/5/21	*
Hexachlorobenzene	9.1 U	9.1	1.6	1	02/09/21 22:14	2/5/21	*
Hexachlorobutadiene	9.1 U	9.1	1.0	1	02/09/21 22:14	2/5/21	*
Hexachlorocyclopentadiene	9.1 U	9.1	2.2	1	02/09/21 22:14	2/5/21	*
Hexachloroethane	9.1 U	9.1	1.1	1	02/09/21 22:14	2/5/21	*
Indeno(1,2,3-cd)pyrene	9.1 U	9.1	1.8	1	02/09/21 22:14	2/5/21	*
Isophorone	9.1 U	9.1	1.4	1	02/09/21 22:14	2/5/21	*
N-Nitrosodi-n-propylamine	9.1 U	9.1	1.2	1	02/09/21 22:14	2/5/21	*
N-Nitrosodiphenylamine	9.1 U	9.1	2.7	1	02/09/21 22:14	2/5/21	*
Naphthalene	**2.3 J**	9.1	1.2	1	02/09/21 22:14	2/5/21	*
Nitrobenzene	9.1 U	9.1	1.5	1	02/09/21 22:14	2/5/21	*
Pentachlorophenol (PCP)	45 U	45	9.7	1	02/09/21 22:14	2/5/21	*
Phenanthrene	9.1 U	9.1	1.4	1	02/09/21 22:14	2/5/21	*
Phenol	9.1 U	9.1	1.0	1	02/09/21 22:14	2/5/21	*
Pyrene	9.1 U	9.1	1.5	1	02/09/21 22:14	2/5/21	*

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	103	35 - 141	02/09/21 22:14	
2-Fluorobiphenyl	62	31 - 118	02/09/21 22:14	
2-Fluorophenol	44	10 - 105	02/09/21 22:14	
Nitrobenzene-d5	72	31 - 110	02/09/21 22:14	
Phenol-d6	30	10 - 107	02/09/21 22:14	
Terphenyl-d14	91	10 - 165	02/09/21 22:14	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	unknown	2.22	120	J
	unknown	2.77	18	J
002808-76-6	1,3-Dimethyl-1-cyclohexene	3.21	21	JN
	unknown	3.63	61	J
000108-38-3	Benzene, 1,3-dimethyl-	3.87	19	JN
	unknown	4.32	28	J

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Analytical Report

Client:	Asbestos & Environmental Consulting Corporation	**Service Request:**	R2100574
Project:	700 Outparcel/20-011	**Date Collected:**	01/20/21 15:08
Sample Matrix:	Water	**Date Received:**	01/21/21 09:30
Sample Name:	MW-8	**Units:**	ug/L
Lab Code:	R2100574-003	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
000611-14-3	Benzene, 1-ethyl-2-methyl-	4.49	53	JN
000526-73-8	Benzene, 1,2,3-trimethyl-	4.60	160	JN
	unknown	4.87	18	J
	unknown	4.91	26	J
	unknown	4.98	24	J
000135-01-3	Benzene, 1,2-diethyl-	5.03	41	JN
	unknown	5.10	20	J
001758-88-9	Benzene, 2-ethyl-1,4-dimethyl-	5.16	20	JN
000874-41-9	Benzene, 1-ethyl-2,4-dimethyl-	5.18	18	JN
000095-93-2	Benzene, 1,2,4,5-tetramethyl-	5.43	24	JN
000488-23-3	Benzene, 1,2,3,4-tetramethyl-	5.46	21	JN
	unknown	5.61	19	J
	unknown	5.67	40	J
	unknown	5.74	20	J

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Analytical Report

Client:	Asbestos & Environmental Consulting Corporation	**Service Request:**	R2100574
Project:	700 Outparcel/20-011	**Date Collected:**	01/20/21 13:45
Sample Matrix:	Water	**Date Received:**	01/21/21 09:30
Sample Name:	MW-9	**Units:**	ug/L
Lab Code:	R2100574-004	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	9.1 U	9.1	1.2	1	01/30/21 00:23	1/27/21	
2,3,4,6-Tetrachlorophenol	9.1 U	9.1	1.2	1	01/30/21 00:23	1/27/21	
2,4,5-Trichlorophenol	9.1 U	9.1	1.1	1	01/30/21 00:23	1/27/21	
2,4,6-Trichlorophenol	9.1 U	9.1	1.4	1	01/30/21 00:23	1/27/21	
2,4-Dichlorophenol	9.1 U	9.1	1.3	1	01/30/21 00:23	1/27/21	
2,4-Dimethylphenol	9.1 U	9.1	1.4	1	01/30/21 00:23	1/27/21	
2,4-Dinitrophenol	45 U	45	20	1	01/30/21 00:23	1/27/21	
2,4-Dinitrotoluene	9.1 U	9.1	2.4	1	01/30/21 00:23	1/27/21	
2,6-Dinitrotoluene	9.1 U	9.1	1.4	1	01/30/21 00:23	1/27/21	
2-Chloronaphthalene	9.1 U	9.1	1.4	1	01/30/21 00:23	1/27/21	
2-Chlorophenol	9.1 U	9.1	1.1	1	01/30/21 00:23	1/27/21	
2-Methylnaphthalene	9.1 U	9.1	1.3	1	01/30/21 00:23	1/27/21	
2-Methylphenol	9.1 U	9.1	1.0	1	01/30/21 00:23	1/27/21	
2-Nitroaniline	9.1 U	9.1	1.4	1	01/30/21 00:23	1/27/21	
2-Nitrophenol	9.1 U	9.1	1.5	1	01/30/21 00:23	1/27/21	
3,3'-Dichlorobenzidine	9.1 U	9.1	1.2	1	01/30/21 00:23	1/27/21	
3- and 4-Methylphenol Coelution	9.1 U	9.1	1.2	1	01/30/21 00:23	1/27/21	
3-Nitroaniline	9.1 U	9.1	2.5	1	01/30/21 00:23	1/27/21	
4,6-Dinitro-2-methylphenol	45 U	45	20	1	01/30/21 00:23	1/27/21	
4-Bromophenyl Phenyl Ether	9.1 U	9.1	1.7	1	01/30/21 00:23	1/27/21	
4-Chloro-3-methylphenol	9.1 U	9.1	1.1	1	01/30/21 00:23	1/27/21	
4-Chloroaniline	9.1 U	9.1	1.0	1	01/30/21 00:23	1/27/21	
4-Chlorophenyl Phenyl Ether	9.1 U	9.1	1.5	1	01/30/21 00:23	1/27/21	
4-Nitroaniline	9.1 U	9.1	2.7	1	01/30/21 00:23	1/27/21	
4-Nitrophenol	45 U	45	6.4	1	01/30/21 00:23	1/27/21	
Acenaphthene	9.1 U	9.1	1.4	1	01/30/21 00:23	1/27/21	
Acenaphthylene	9.1 U	9.1	1.4	1	01/30/21 00:23	1/27/21	
Acetophenone	9.1 U	9.1	1.3	1	01/30/21 00:23	1/27/21	
Anthracene	9.1 U	9.1	1.3	1	01/30/21 00:23	1/27/21	
Atrazine	9.1 U	9.1	2.1	1	01/30/21 00:23	1/27/21	
Benz(a)anthracene	9.1 U	9.1	1.6	1	01/30/21 00:23	1/27/21	
Benzaldehyde	9.1 U	9.1	3.7	1	01/30/21 00:23	1/27/21	
Benzo(a)pyrene	9.1 U	9.1	1.2	1	01/30/21 00:23	1/27/21	
Benzo(b)fluoranthene	9.1 U	9.1	1.2	1	01/30/21 00:23	1/27/21	
Benzo(g,h,i)perylene	9.1 U	9.1	1.0	1	01/30/21 00:23	1/27/21	
Benzo(k)fluoranthene	9.1 U	9.1	1.3	1	01/30/21 00:23	1/27/21	
Biphenyl	9.1 U	9.1	1.4	1	01/30/21 00:23	1/27/21	
2,2'-Oxybis(1-chloropropane)	9.1 U	9.1	1.4	1	01/30/21 00:23	1/27/21	
Bis(2-chloroethoxy)methane	9.1 U	9.1	1.9	1	01/30/21 00:23	1/27/21	
Bis(2-chloroethyl) Ether	9.1 U	9.1	1.3	1	01/30/21 00:23	1/27/21	
Bis(2-ethylhexyl) Phthalate	9.1 U	9.1	7.8	1	01/30/21 00:23	1/27/21	
Butyl Benzyl Phthalate	9.1 U	9.1	1.4	1	01/30/21 00:23	1/27/21	
Caprolactam	9.1 U	9.1	1.0	1	01/30/21 00:23	1/27/21	

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Analytical Report

Client:	Asbestos & Environmental Consulting Corporation	**Service Request:**	R2100574
Project:	700 Outparcel/20-011	**Date Collected:**	01/20/21 13:45
Sample Matrix:	Water	**Date Received:**	01/21/21 09:30
Sample Name:	MW-9	**Units:**	ug/L
Lab Code:	R2100574-004	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	9.1 U	9.1	1.6	1	01/30/21 00:23	1/27/21	
Chrysene	9.1 U	9.1	1.2	1	01/30/21 00:23	1/27/21	
Di-n-butyl Phthalate	9.1 U	9.1	1.7	1	01/30/21 00:23	1/27/21	
Di-n-octyl Phthalate	9.1 U	9.1	3.3	1	01/30/21 00:23	1/27/21	
Dibenz(a,h)anthracene	9.1 U	9.1	1.1	1	01/30/21 00:23	1/27/21	
Dibenzofuran	9.1 U	9.1	1.4	1	01/30/21 00:23	1/27/21	
Diethyl Phthalate	9.1 U	9.1	1.1	1	01/30/21 00:23	1/27/21	
Dimethyl Phthalate	9.1 U	9.1	1.3	1	01/30/21 00:23	1/27/21	
Fluoranthene	9.1 U	9.1	1.5	1	01/30/21 00:23	1/27/21	
Fluorene	9.1 U	9.1	1.3	1	01/30/21 00:23	1/27/21	
Hexachlorobenzene	9.1 U	9.1	1.6	1	01/30/21 00:23	1/27/21	
Hexachlorobutadiene	9.1 U	9.1	1.0	1	01/30/21 00:23	1/27/21	
Hexachlorocyclopentadiene	9.1 U	9.1	2.2	1	01/30/21 00:23	1/27/21	
Hexachloroethane	9.1 U	9.1	1.1	1	01/30/21 00:23	1/27/21	
Indeno(1,2,3-cd)pyrene	9.1 U	9.1	1.8	1	01/30/21 00:23	1/27/21	
Isophorone	9.1 U	9.1	1.4	1	01/30/21 00:23	1/27/21	
N-Nitrosodi-n-propylamine	9.1 U	9.1	1.2	1	01/30/21 00:23	1/27/21	
N-Nitrosodiphenylamine	9.1 U	9.1	2.7	1	01/30/21 00:23	1/27/21	
Naphthalene	9.1 U	9.1	1.2	1	01/30/21 00:23	1/27/21	
Nitrobenzene	9.1 U	9.1	1.5	1	01/30/21 00:23	1/27/21	
Pentachlorophenol (PCP)	45 U	45	9.7	1	01/30/21 00:23	1/27/21	
Phenanthrene	9.1 U	9.1	1.4	1	01/30/21 00:23	1/27/21	
Phenol	9.1 U	9.1	1.0	1	01/30/21 00:23	1/27/21	
Pyrene	9.1 U	9.1	1.5	1	01/30/21 00:23	1/27/21	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	65	35 - 141	01/30/21 00:23	
2-Fluorobiphenyl	55	31 - 118	01/30/21 00:23	
2-Fluorophenol	31	10 - 105	01/30/21 00:23	
Nitrobenzene-d5	49	31 - 110	01/30/21 00:23	
Phenol-d6	21	10 - 107	01/30/21 00:23	
Terphenyl-d14	61	10 - 165	01/30/21 00:23	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

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Analytical Report

Client:	Asbestos & Environmental Consulting Corporation	**Service Request:**	R2100574
Project:	700 Outparcel/20-011	**Date Collected:**	01/20/21 13:45
Sample Matrix:	Water	**Date Received:**	01/21/21 09:30
Sample Name:	MW-9	**Units:**	ug/L
Lab Code:	R2100574-004	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	9.1 U	9.1	1.2	1	02/09/21 22:42	2/5/21	*
2,3,4,6-Tetrachlorophenol	9.1 U	9.1	1.2	1	02/09/21 22:42	2/5/21	*
2,4,5-Trichlorophenol	9.1 U	9.1	1.1	1	02/09/21 22:42	2/5/21	*
2,4,6-Trichlorophenol	9.1 U	9.1	1.4	1	02/09/21 22:42	2/5/21	*
2,4-Dichlorophenol	9.1 U	9.1	1.3	1	02/09/21 22:42	2/5/21	*
2,4-Dimethylphenol	9.1 U	9.1	1.4	1	02/09/21 22:42	2/5/21	*
2,4-Dinitrophenol	45 U	45	20	1	02/09/21 22:42	2/5/21	*
2,4-Dinitrotoluene	9.1 U	9.1	2.4	1	02/09/21 22:42	2/5/21	*
2,6-Dinitrotoluene	9.1 U	9.1	1.4	1	02/09/21 22:42	2/5/21	*
2-Chloronaphthalene	9.1 U	9.1	1.4	1	02/09/21 22:42	2/5/21	*
2-Chlorophenol	9.1 U	9.1	1.1	1	02/09/21 22:42	2/5/21	*
2-Methylnaphthalene	9.1 U	9.1	1.3	1	02/09/21 22:42	2/5/21	*
2-Methylphenol	9.1 U	9.1	1.0	1	02/09/21 22:42	2/5/21	*
2-Nitroaniline	9.1 U	9.1	1.4	1	02/09/21 22:42	2/5/21	*
2-Nitrophenol	9.1 U	9.1	1.5	1	02/09/21 22:42	2/5/21	*
3,3'-Dichlorobenzidine	9.1 U	9.1	1.2	1	02/09/21 22:42	2/5/21	*
3- and 4-Methylphenol Coelution	9.1 U	9.1	1.2	1	02/09/21 22:42	2/5/21	*
3-Nitroaniline	9.1 U	9.1	2.5	1	02/09/21 22:42	2/5/21	*
4,6-Dinitro-2-methylphenol	45 U	45	20	1	02/09/21 22:42	2/5/21	*
4-Bromophenyl Phenyl Ether	9.1 U	9.1	1.7	1	02/09/21 22:42	2/5/21	*
4-Chloro-3-methylphenol	9.1 U	9.1	1.1	1	02/09/21 22:42	2/5/21	*
4-Chloroaniline	9.1 U	9.1	1.0	1	02/09/21 22:42	2/5/21	*
4-Chlorophenyl Phenyl Ether	9.1 U	9.1	1.5	1	02/09/21 22:42	2/5/21	*
4-Nitroaniline	9.1 U	9.1	2.7	1	02/09/21 22:42	2/5/21	*
4-Nitrophenol	45 U	45	6.4	1	02/09/21 22:42	2/5/21	*
Acenaphthene	9.1 U	9.1	1.4	1	02/09/21 22:42	2/5/21	*
Acenaphthylene	9.1 U	9.1	1.4	1	02/09/21 22:42	2/5/21	*
Acetophenone	9.1 U	9.1	1.3	1	02/09/21 22:42	2/5/21	*
Anthracene	9.1 U	9.1	1.3	1	02/09/21 22:42	2/5/21	*
Atrazine	9.1 U	9.1	2.1	1	02/09/21 22:42	2/5/21	*
Benz(a)anthracene	9.1 U	9.1	1.6	1	02/09/21 22:42	2/5/21	*
Benzaldehyde	9.1 U	9.1	3.7	1	02/09/21 22:42	2/5/21	*
Benzo(a)pyrene	9.1 U	9.1	1.2	1	02/09/21 22:42	2/5/21	*
Benzo(b)fluoranthene	9.1 U	9.1	1.2	1	02/09/21 22:42	2/5/21	*
Benzo(g,h,i)perylene	9.1 U	9.1	1.0	1	02/09/21 22:42	2/5/21	*
Benzo(k)fluoranthene	9.1 U	9.1	1.3	1	02/09/21 22:42	2/5/21	*
Biphenyl	9.1 U	9.1	1.4	1	02/09/21 22:42	2/5/21	*
2,2'-Oxybis(1-chloropropane)	9.1 U	9.1	1.4	1	02/09/21 22:42	2/5/21	*
Bis(2-chloroethoxy)methane	9.1 U	9.1	1.9	1	02/09/21 22:42	2/5/21	*
Bis(2-chloroethyl) Ether	9.1 U	9.1	1.3	1	02/09/21 22:42	2/5/21	*
Bis(2-ethylhexyl) Phthalate	9.1 U	9.1	7.8	1	02/09/21 22:42	2/5/21	*
Butyl Benzyl Phthalate	9.1 U	9.1	1.4	1	02/09/21 22:42	2/5/21	*
Caprolactam	9.1 U	9.1	1.0	1	02/09/21 22:42	2/5/21	*

ALS Group USA, Corp.
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Analytical Report

Client:	Asbestos & Environmental Consulting Corporation	**Service Request:**	R2100574
Project:	700 Outparcel/20-011	**Date Collected:**	01/20/21 13:45
Sample Matrix:	Water	**Date Received:**	01/21/21 09:30
Sample Name:	MW-9	**Units:**	ug/L
Lab Code:	R2100574-004	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	9.1 U	9.1	1.6	1	02/09/21 22:42	2/5/21	*
Chrysene	9.1 U	9.1	1.2	1	02/09/21 22:42	2/5/21	*
Di-n-butyl Phthalate	9.1 U	9.1	1.7	1	02/09/21 22:42	2/5/21	*
Di-n-octyl Phthalate	9.1 U	9.1	3.3	1	02/09/21 22:42	2/5/21	*
Dibenz(a,h)anthracene	9.1 U	9.1	1.1	1	02/09/21 22:42	2/5/21	*
Dibenzofuran	9.1 U	9.1	1.4	1	02/09/21 22:42	2/5/21	*
Diethyl Phthalate	9.1 U	9.1	1.1	1	02/09/21 22:42	2/5/21	*
Dimethyl Phthalate	9.1 U	9.1	1.3	1	02/09/21 22:42	2/5/21	*
Fluoranthene	9.1 U	9.1	1.5	1	02/09/21 22:42	2/5/21	*
Fluorene	9.1 U	9.1	1.3	1	02/09/21 22:42	2/5/21	*
Hexachlorobenzene	9.1 U	9.1	1.6	1	02/09/21 22:42	2/5/21	*
Hexachlorobutadiene	9.1 U	9.1	1.0	1	02/09/21 22:42	2/5/21	*
Hexachlorocyclopentadiene	9.1 U	9.1	2.2	1	02/09/21 22:42	2/5/21	*
Hexachloroethane	9.1 U	9.1	1.1	1	02/09/21 22:42	2/5/21	*
Indeno(1,2,3-cd)pyrene	9.1 U	9.1	1.8	1	02/09/21 22:42	2/5/21	*
Isophorone	9.1 U	9.1	1.4	1	02/09/21 22:42	2/5/21	*
N-Nitrosodi-n-propylamine	9.1 U	9.1	1.2	1	02/09/21 22:42	2/5/21	*
N-Nitrosodiphenylamine	9.1 U	9.1	2.7	1	02/09/21 22:42	2/5/21	*
Naphthalene	9.1 U	9.1	1.2	1	02/09/21 22:42	2/5/21	*
Nitrobenzene	9.1 U	9.1	1.5	1	02/09/21 22:42	2/5/21	*
Pentachlorophenol (PCP)	45 U	45	9.7	1	02/09/21 22:42	2/5/21	*
Phenanthrene	9.1 U	9.1	1.4	1	02/09/21 22:42	2/5/21	*
Phenol	9.1 U	9.1	1.0	1	02/09/21 22:42	2/5/21	*
Pyrene	9.1 U	9.1	1.5	1	02/09/21 22:42	2/5/21	*

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	73	35 - 141	02/09/21 22:42	
2-Fluorobiphenyl	18 *	31 - 118	02/09/21 22:42	*
2-Fluorophenol	24	10 - 105	02/09/21 22:42	
Nitrobenzene-d5	20 *	31 - 110	02/09/21 22:42	*
Phenol-d6	19	10 - 107	02/09/21 22:42	
Terphenyl-d14	106	10 - 165	02/09/21 22:42	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	unknown	2.22	100	J

ALS Group USA, Corp.
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Analytical Report

Client:	Asbestos & Environmental Consulting Corporation	**Service Request:**	R2100574
Project:	700 Outparcel/20-011	**Date Collected:**	01/20/21
Sample Matrix:	Water	**Date Received:**	01/21/21 09:30
Sample Name:	MW-D	**Units:**	ug/L
Lab Code:	R2100574-005	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	9.1 U	9.1	1.2	1	01/30/21 00:51	1/27/21	
2,3,4,6-Tetrachlorophenol	9.1 U	9.1	1.2	1	01/30/21 00:51	1/27/21	
2,4,5-Trichlorophenol	9.1 U	9.1	1.1	1	01/30/21 00:51	1/27/21	
2,4,6-Trichlorophenol	9.1 U	9.1	1.4	1	01/30/21 00:51	1/27/21	
2,4-Dichlorophenol	9.1 U	9.1	1.3	1	01/30/21 00:51	1/27/21	
2,4-Dimethylphenol	9.1 U	9.1	1.4	1	01/30/21 00:51	1/27/21	
2,4-Dinitrophenol	45 U	45	20	1	01/30/21 00:51	1/27/21	
2,4-Dinitrotoluene	9.1 U	9.1	2.4	1	01/30/21 00:51	1/27/21	
2,6-Dinitrotoluene	9.1 U	9.1	1.4	1	01/30/21 00:51	1/27/21	
2-Chloronaphthalene	9.1 U	9.1	1.4	1	01/30/21 00:51	1/27/21	
2-Chlorophenol	9.1 U	9.1	1.1	1	01/30/21 00:51	1/27/21	
2-Methylnaphthalene	9.1 U	9.1	1.3	1	01/30/21 00:51	1/27/21	
2-Methylphenol	9.1 U	9.1	1.0	1	01/30/21 00:51	1/27/21	
2-Nitroaniline	9.1 U	9.1	1.4	1	01/30/21 00:51	1/27/21	
2-Nitrophenol	9.1 U	9.1	1.5	1	01/30/21 00:51	1/27/21	
3,3'-Dichlorobenzidine	9.1 U	9.1	1.2	1	01/30/21 00:51	1/27/21	
3- and 4-Methylphenol Coelution	9.1 U	9.1	1.2	1	01/30/21 00:51	1/27/21	
3-Nitroaniline	9.1 U	9.1	2.5	1	01/30/21 00:51	1/27/21	
4,6-Dinitro-2-methylphenol	45 U	45	20	1	01/30/21 00:51	1/27/21	
4-Bromophenyl Phenyl Ether	9.1 U	9.1	1.7	1	01/30/21 00:51	1/27/21	
4-Chloro-3-methylphenol	9.1 U	9.1	1.1	1	01/30/21 00:51	1/27/21	
4-Chloroaniline	9.1 U	9.1	1.0	1	01/30/21 00:51	1/27/21	
4-Chlorophenyl Phenyl Ether	9.1 U	9.1	1.5	1	01/30/21 00:51	1/27/21	
4-Nitroaniline	9.1 U	9.1	2.7	1	01/30/21 00:51	1/27/21	
4-Nitrophenol	45 U	45	6.4	1	01/30/21 00:51	1/27/21	
Acenaphthene	9.1 U	9.1	1.4	1	01/30/21 00:51	1/27/21	
Acenaphthylene	9.1 U	9.1	1.4	1	01/30/21 00:51	1/27/21	
Acetophenone	9.1 U	9.1	1.3	1	01/30/21 00:51	1/27/21	
Anthracene	9.1 U	9.1	1.3	1	01/30/21 00:51	1/27/21	
Atrazine	9.1 U	9.1	2.1	1	01/30/21 00:51	1/27/21	
Benz(a)anthracene	9.1 U	9.1	1.6	1	01/30/21 00:51	1/27/21	
Benzaldehyde	9.1 U	9.1	3.7	1	01/30/21 00:51	1/27/21	
Benzo(a)pyrene	9.1 U	9.1	1.2	1	01/30/21 00:51	1/27/21	
Benzo(b)fluoranthene	9.1 U	9.1	1.2	1	01/30/21 00:51	1/27/21	
Benzo(g,h,i)perylene	9.1 U	9.1	1.0	1	01/30/21 00:51	1/27/21	
Benzo(k)fluoranthene	9.1 U	9.1	1.3	1	01/30/21 00:51	1/27/21	
Biphenyl	9.1 U	9.1	1.4	1	01/30/21 00:51	1/27/21	
2,2'-Oxybis(1-chloropropane)	9.1 U	9.1	1.4	1	01/30/21 00:51	1/27/21	
Bis(2-chloroethoxy)methane	9.1 U	9.1	1.9	1	01/30/21 00:51	1/27/21	
Bis(2-chloroethyl) Ether	9.1 U	9.1	1.3	1	01/30/21 00:51	1/27/21	
Bis(2-ethylhexyl) Phthalate	9.1 U	9.1	7.8	1	01/30/21 00:51	1/27/21	
Butyl Benzyl Phthalate	9.1 U	9.1	1.4	1	01/30/21 00:51	1/27/21	
Caprolactam	9.1 U	9.1	1.0	1	01/30/21 00:51	1/27/21	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client:	Asbestos & Environmental Consulting Corporation	**Service Request:**	R2100574
Project:	700 Outparcel/20-011	**Date Collected:**	01/20/21
Sample Matrix:	Water	**Date Received:**	01/21/21 09:30
Sample Name:	MW-D	**Units:**	ug/L
Lab Code:	R2100574-005	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	9.1 U	9.1	1.6	1	01/30/21 00:51	1/27/21	
Chrysene	9.1 U	9.1	1.2	1	01/30/21 00:51	1/27/21	
Di-n-butyl Phthalate	9.1 U	9.1	1.7	1	01/30/21 00:51	1/27/21	
Di-n-octyl Phthalate	9.1 U	9.1	3.3	1	01/30/21 00:51	1/27/21	
Dibenz(a,h)anthracene	9.1 U	9.1	1.1	1	01/30/21 00:51	1/27/21	
Dibenzofuran	9.1 U	9.1	1.4	1	01/30/21 00:51	1/27/21	
Diethyl Phthalate	9.1 U	9.1	1.1	1	01/30/21 00:51	1/27/21	
Dimethyl Phthalate	9.1 U	9.1	1.3	1	01/30/21 00:51	1/27/21	
Fluoranthene	9.1 U	9.1	1.5	1	01/30/21 00:51	1/27/21	
Fluorene	9.1 U	9.1	1.3	1	01/30/21 00:51	1/27/21	
Hexachlorobenzene	9.1 U	9.1	1.6	1	01/30/21 00:51	1/27/21	
Hexachlorobutadiene	9.1 U	9.1	1.0	1	01/30/21 00:51	1/27/21	
Hexachlorocyclopentadiene	9.1 U	9.1	2.2	1	01/30/21 00:51	1/27/21	
Hexachloroethane	9.1 U	9.1	1.1	1	01/30/21 00:51	1/27/21	
Indeno(1,2,3-cd)pyrene	9.1 U	9.1	1.8	1	01/30/21 00:51	1/27/21	
Isophorone	9.1 U	9.1	1.4	1	01/30/21 00:51	1/27/21	
N-Nitrosodi-n-propylamine	9.1 U	9.1	1.2	1	01/30/21 00:51	1/27/21	
N-Nitrosodiphenylamine	9.1 U	9.1	2.7	1	01/30/21 00:51	1/27/21	
Naphthalene	9.1 U	9.1	1.2	1	01/30/21 00:51	1/27/21	
Nitrobenzene	9.1 U	9.1	1.5	1	01/30/21 00:51	1/27/21	
Pentachlorophenol (PCP)	45 U	45	9.7	1	01/30/21 00:51	1/27/21	
Phenanthrene	9.1 U	9.1	1.4	1	01/30/21 00:51	1/27/21	
Phenol	9.1 U	9.1	1.0	1	01/30/21 00:51	1/27/21	
Pyrene	9.1 U	9.1	1.5	1	01/30/21 00:51	1/27/21	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	65	35 - 141	01/30/21 00:51	
2-Fluorobiphenyl	59	31 - 118	01/30/21 00:51	
2-Fluorophenol	34	10 - 105	01/30/21 00:51	
Nitrobenzene-d5	54	31 - 110	01/30/21 00:51	
Phenol-d6	23	10 - 107	01/30/21 00:51	
Terphenyl-d14	63	10 - 165	01/30/21 00:51	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client:	Asbestos & Environmental Consulting Corporation	**Service Request:**	R2100574
Project:	700 Outparcel/20-011	**Date Collected:**	01/20/21
Sample Matrix:	Water	**Date Received:**	01/21/21 09:30
Sample Name:	MW-D	**Units:**	ug/L
Lab Code:	R2100574-005	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	9.1 U	9.1	1.2	1	02/09/21 23:09	2/5/21	*
2,3,4,6-Tetrachlorophenol	9.1 U	9.1	1.2	1	02/09/21 23:09	2/5/21	*
2,4,5-Trichlorophenol	9.1 U	9.1	1.1	1	02/09/21 23:09	2/5/21	*
2,4,6-Trichlorophenol	9.1 U	9.1	1.4	1	02/09/21 23:09	2/5/21	*
2,4-Dichlorophenol	9.1 U	9.1	1.3	1	02/09/21 23:09	2/5/21	*
2,4-Dimethylphenol	9.1 U	9.1	1.4	1	02/09/21 23:09	2/5/21	*
2,4-Dinitrophenol	45 U	45	20	1	02/09/21 23:09	2/5/21	*
2,4-Dinitrotoluene	9.1 U	9.1	2.4	1	02/09/21 23:09	2/5/21	*
2,6-Dinitrotoluene	9.1 U	9.1	1.4	1	02/09/21 23:09	2/5/21	*
2-Chloronaphthalene	9.1 U	9.1	1.4	1	02/09/21 23:09	2/5/21	*
2-Chlorophenol	9.1 U	9.1	1.1	1	02/09/21 23:09	2/5/21	*
2-Methylnaphthalene	9.1 U	9.1	1.3	1	02/09/21 23:09	2/5/21	*
2-Methylphenol	9.1 U	9.1	1.0	1	02/09/21 23:09	2/5/21	*
2-Nitroaniline	9.1 U	9.1	1.4	1	02/09/21 23:09	2/5/21	*
2-Nitrophenol	9.1 U	9.1	1.5	1	02/09/21 23:09	2/5/21	*
3,3'-Dichlorobenzidine	9.1 U	9.1	1.2	1	02/09/21 23:09	2/5/21	*
3- and 4-Methylphenol Coelution	9.1 U	9.1	1.2	1	02/09/21 23:09	2/5/21	*
3-Nitroaniline	9.1 U	9.1	2.5	1	02/09/21 23:09	2/5/21	*
4,6-Dinitro-2-methylphenol	45 U	45	20	1	02/09/21 23:09	2/5/21	*
4-Bromophenyl Phenyl Ether	9.1 U	9.1	1.7	1	02/09/21 23:09	2/5/21	*
4-Chloro-3-methylphenol	9.1 U	9.1	1.1	1	02/09/21 23:09	2/5/21	*
4-Chloroaniline	9.1 U	9.1	1.0	1	02/09/21 23:09	2/5/21	*
4-Chlorophenyl Phenyl Ether	9.1 U	9.1	1.5	1	02/09/21 23:09	2/5/21	*
4-Nitroaniline	9.1 U	9.1	2.7	1	02/09/21 23:09	2/5/21	*
4-Nitrophenol	45 U	45	6.4	1	02/09/21 23:09	2/5/21	*
Acenaphthene	9.1 U	9.1	1.4	1	02/09/21 23:09	2/5/21	*
Acenaphthylene	9.1 U	9.1	1.4	1	02/09/21 23:09	2/5/21	*
Acetophenone	9.1 U	9.1	1.3	1	02/09/21 23:09	2/5/21	*
Anthracene	9.1 U	9.1	1.3	1	02/09/21 23:09	2/5/21	*
Atrazine	9.1 U	9.1	2.1	1	02/09/21 23:09	2/5/21	*
Benz(a)anthracene	9.1 U	9.1	1.6	1	02/09/21 23:09	2/5/21	*
Benzaldehyde	9.1 U	9.1	3.7	1	02/09/21 23:09	2/5/21	*
Benzo(a)pyrene	9.1 U	9.1	1.2	1	02/09/21 23:09	2/5/21	*
Benzo(b)fluoranthene	9.1 U	9.1	1.2	1	02/09/21 23:09	2/5/21	*
Benzo(g,h,i)perylene	9.1 U	9.1	1.0	1	02/09/21 23:09	2/5/21	*
Benzo(k)fluoranthene	9.1 U	9.1	1.3	1	02/09/21 23:09	2/5/21	*
Biphenyl	9.1 U	9.1	1.4	1	02/09/21 23:09	2/5/21	*
2,2'-Oxybis(1-chloropropane)	9.1 U	9.1	1.4	1	02/09/21 23:09	2/5/21	*
Bis(2-chloroethoxy)methane	9.1 U	9.1	1.9	1	02/09/21 23:09	2/5/21	*
Bis(2-chloroethyl) Ether	9.1 U	9.1	1.3	1	02/09/21 23:09	2/5/21	*
Bis(2-ethylhexyl) Phthalate	9.1 U	9.1	7.8	1	02/09/21 23:09	2/5/21	*
Butyl Benzyl Phthalate	9.1 U	9.1	1.4	1	02/09/21 23:09	2/5/21	*
Caprolactam	9.1 U	9.1	1.0	1	02/09/21 23:09	2/5/21	*

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client:	Asbestos & Environmental Consulting Corporation	**Service Request:**	R2100574
Project:	700 Outparcel/20-011	**Date Collected:**	01/20/21
Sample Matrix:	Water	**Date Received:**	01/21/21 09:30
Sample Name:	MW-D	**Units:**	ug/L
Lab Code:	R2100574-005	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	9.1 U	9.1	1.6	1	02/09/21 23:09	2/5/21	*
Chrysene	9.1 U	9.1	1.2	1	02/09/21 23:09	2/5/21	*
Di-n-butyl Phthalate	9.1 U	9.1	1.7	1	02/09/21 23:09	2/5/21	*
Di-n-octyl Phthalate	9.1 U	9.1	3.3	1	02/09/21 23:09	2/5/21	*
Dibenz(a,h)anthracene	9.1 U	9.1	1.1	1	02/09/21 23:09	2/5/21	*
Dibenzofuran	9.1 U	9.1	1.4	1	02/09/21 23:09	2/5/21	*
Diethyl Phthalate	9.1 U	9.1	1.1	1	02/09/21 23:09	2/5/21	*
Dimethyl Phthalate	9.1 U	9.1	1.3	1	02/09/21 23:09	2/5/21	*
Fluoranthene	9.1 U	9.1	1.5	1	02/09/21 23:09	2/5/21	*
Fluorene	9.1 U	9.1	1.3	1	02/09/21 23:09	2/5/21	*
Hexachlorobenzene	9.1 U	9.1	1.6	1	02/09/21 23:09	2/5/21	*
Hexachlorobutadiene	9.1 U	9.1	1.0	1	02/09/21 23:09	2/5/21	*
Hexachlorocyclopentadiene	9.1 U	9.1	2.2	1	02/09/21 23:09	2/5/21	*
Hexachloroethane	9.1 U	9.1	1.1	1	02/09/21 23:09	2/5/21	*
Indeno(1,2,3-cd)pyrene	9.1 U	9.1	1.8	1	02/09/21 23:09	2/5/21	*
Isophorone	9.1 U	9.1	1.4	1	02/09/21 23:09	2/5/21	*
N-Nitrosodi-n-propylamine	9.1 U	9.1	1.2	1	02/09/21 23:09	2/5/21	*
N-Nitrosodiphenylamine	9.1 U	9.1	2.7	1	02/09/21 23:09	2/5/21	*
Naphthalene	9.1 U	9.1	1.2	1	02/09/21 23:09	2/5/21	*
Nitrobenzene	9.1 U	9.1	1.5	1	02/09/21 23:09	2/5/21	*
Pentachlorophenol (PCP)	45 U	45	9.7	1	02/09/21 23:09	2/5/21	*
Phenanthrene	9.1 U	9.1	1.4	1	02/09/21 23:09	2/5/21	*
Phenol	9.1 U	9.1	1.0	1	02/09/21 23:09	2/5/21	*
Pyrene	9.1 U	9.1	1.5	1	02/09/21 23:09	2/5/21	*

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	82	35 - 141	02/09/21 23:09	
2-Fluorobiphenyl	43	31 - 118	02/09/21 23:09	
2-Fluorophenol	32	10 - 105	02/09/21 23:09	
Nitrobenzene-d5	46	31 - 110	02/09/21 23:09	
Phenol-d6	24	10 - 107	02/09/21 23:09	
Terphenyl-d14	108	10 - 165	02/09/21 23:09	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	unknown	2.22	120	J

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

METALS
- 1 -
INORGANIC ANALYSIS DATA PACKAGE

Client: Asbestos & Environmental Consult
Service Request: MW-5
Project No.: R2100574
Date Collected: 1/20/2021
Project Name:
Date Received: 1/21/2021
Matrix: WATER
Units: ug/L
Basis:

Sample Name: MW-5 **Lab Code:** R2100574-001

Analyte	Analysis Method	PQL	MDL	Dil. Factor	Result	C	Q
Aluminum	6010C	100	23.0	1.0	72.8	J	
Antimony	6010C	10.0	4.7	1.0	10.0	U	
Arsenic	6010C	10.0	5.5	1.0	10.0	U	
Barium	6010C	20.0	3.0	1.0	185		
Beryllium	6010C	3.0	0.130	1.0	3.0	U	
Cadmium	6010C	5.0	0.350	1.0	5.0	U	
Mercury	7470A	0.200	0.077	1.0	0.200	U	
Calcium	6010C	1000	220	1.0	139000		
Chromium	6010C	10.0	0.590	1.0	0.600	J	
Cobalt	6010C	50.0	0.890	1.0	50.0	U	
Copper	6010C	20.0	3.9	1.0	5.6	J	
Iron	6010C	100	61.0	1.0	72.7	J	
Lead	6010C	5.0	2.1	1.0	5.0	U	
Magnesium	6010C	1000	29.0	1.0	17900		
Manganese	6010C	10.0	3.7	1.0	10.0	U	
Nickel	6010C	40.0	2.6	1.0	40.0	U	
Potassium	6010C	2000	200	1.0	6690		
Selenium	6010C	10.0	6.4	1.0	10.0	U	
Silver	6010C	10.0	0.570	1.0	10.0	U	
Sodium	6010C	100000	13000	100.0	793000		
Thallium	6010C	10.0	6.6	1.0	10.0	U	
Vanadium	6010C	50.0	0.670	1.0	1.7	J	
Zinc	6010C	20.0	9.4	1.0	12.1	J	

% Solids: 0.0

Comments:

METALS
- 1 -
INORGANIC ANALYSIS DATA PACKAGE

Client: Asbestos & Environmental Consult
Service Request: MW-5
Project No.: R2100574
Date Collected: 1/20/2021
Project Name:
Date Received: 1/21/2021
Matrix: WATER
Units: ug/L
Basis:

Sample Name: MW-7
Lab Code: R2100574-002

Analyte	Analysis Method	PQL	MDL	Dil. Factor	Result	C	Q
Aluminum	6010C	100	23.0	1.0	267		
Antimony	6010C	10.0	4.7	1.0	10.0	U	
Arsenic	6010C	10.0	5.5	1.0	6.1	J	
Barium	6010C	20.0	3.0	1.0	180		
Beryllium	6010C	3.0	0.130	1.0	3.0	U	
Cadmium	6010C	5.0	0.350	1.0	5.0	U	
Mercury	7470A	0.200	0.077	1.0	0.200	U	
Calcium	6010C	1000	220	1.0	220000		
Chromium	6010C	10.0	0.590	1.0	10.0	U	
Cobalt	6010C	50.0	0.890	1.0	1.2	J	
Copper	6010C	20.0	3.9	1.0	20.0	U	
Iron	6010C	100	61.0	1.0	1520		
Lead	6010C	5.0	2.1	1.0	5.0	U	
Magnesium	6010C	1000	29.0	1.0	49800		
Manganese	6010C	10.0	3.7	1.0	50.3		
Nickel	6010C	40.0	2.6	1.0	40.0	U	
Potassium	6010C	2000	200	1.0	5570		
Selenium	6010C	10.0	6.4	1.0	10.0	U	
Silver	6010C	10.0	0.570	1.0	10.0	U	
Sodium	6010C	100000	13000	100.0	913000		
Thallium	6010C	10.0	6.6	1.0	6.9	J	
Vanadium	6010C	50.0	0.670	1.0	50.0	U	
Zinc	6010C	20.0	9.4	1.0	20.0	U	

% Solids: 0.0

Comments:

METALS
- 1 -
INORGANIC ANALYSIS DATA PACKAGE

Client: Asbestos & Environmental Consult
Project No.: R2100574
Project Name:
Matrix: WATER

Service Request: MW-5
Date Collected: 1/20/2021
Date Received: 1/21/2021
Units: ug/L
Basis:

Sample Name: MW-8 **Lab Code:** R2100574-003

Analyte	Analysis Method	PQL	MDL	Dil. Factor	Result	C	Q
Aluminum	6010C	100	23.0	1.0	363		
Antimony	6010C	10.0	4.7	1.0	10.0	U	
Arsenic	6010C	10.0	5.5	1.0	10.0	U	
Barium	6010C	20.0	3.0	1.0	719		
Beryllium	6010C	3.0	0.130	1.0	3.0	U	
Cadmium	6010C	5.0	0.350	1.0	5.0	U	
Mercury	7470A	0.200	0.077	1.0	0.200	U	
Calcium	6010C	1000	220	1.0	183000		
Chromium	6010C	10.0	0.590	1.0	10.0	U	
Cobalt	6010C	50.0	0.890	1.0	50.0	U	
Copper	6010C	20.0	3.9	1.0	20.0	U	
Iron	6010C	100	61.0	1.0	3650		
Lead	6010C	5.0	2.1	1.0	24.4		
Magnesium	6010C	1000	29.0	1.0	25700		
Manganese	6010C	10.0	3.7	1.0	782		
Nickel	6010C	40.0	2.6	1.0	40.0	U	
Potassium	6010C	2000	200	1.0	9670		
Selenium	6010C	10.0	6.4	1.0	10.0	U	
Silver	6010C	10.0	0.570	1.0	10.0	U	
Sodium	6010C	1000	130	1.0	129000		
Thallium	6010C	10.0	6.6	1.0	10.0	U	
Vanadium	6010C	50.0	0.670	1.0	1.3	J	
Zinc	6010C	20.0	9.4	1.0	20.0	U	

% Solids: 0.0

Comments:

METALS
- 1 -
INORGANIC ANALYSIS DATA PACKAGE

Client: Asbestos & Environmental Consult
Service Request: MW-5
Project No.: R2100574
Date Collected: 1/20/2021
Project Name:
Date Received: 1/21/2021
Matrix: WATER
Units: ug/L
Basis:

Sample Name: MW-9
Lab Code: R2100574-004

Analyte	Analysis Method	PQL	MDL	Dil. Factor	Result	C	Q
Aluminum	6010C	100	23.0	1.0	600		
Antimony	6010C	10.0	4.7	1.0	10.0	U	
Arsenic	6010C	10.0	5.5	1.0	10.0	U	
Barium	6010C	20.0	3.0	1.0	272		
Beryllium	6010C	3.0	0.130	1.0	3.0	U	
Cadmium	6010C	5.0	0.350	1.0	5.0	U	
Mercury	7470A	0.200	0.077	1.0	0.200	U	
Calcium	6010C	1000	220	1.0	173000		
Chromium	6010C	10.0	0.590	1.0	1.0	J	
Cobalt	6010C	50.0	0.890	1.0	1.1	J	
Copper	6010C	20.0	3.9	1.0	20.0	U	
Iron	6010C	100	61.0	1.0	1840		
Lead	6010C	5.0	2.1	1.0	5.0	U	
Magnesium	6010C	1000	29.0	1.0	26100		
Manganese	6010C	10.0	3.7	1.0	147		
Nickel	6010C	40.0	2.6	1.0	40.0	U	
Potassium	6010C	2000	200	1.0	12200		
Selenium	6010C	10.0	6.4	1.0	10.0	U	
Silver	6010C	10.0	0.570	1.0	10.0	U	
Sodium	6010C	10000	1300	10.0	226000		
Thallium	6010C	10.0	6.6	1.0	10.0	U	
Vanadium	6010C	50.0	0.670	1.0	1.6	J	
Zinc	6010C	20.0	9.4	1.0	20.0	U	

% Solids: 0.0

Comments:

METALS
- 1 -
INORGANIC ANALYSIS DATA PACKAGE

Client: Asbestos & Environmental Consult **Service Request:** MW-5

Project No.: R2100574 **Date Collected:** 1/20/2021

Project Name: **Date Received:** 1/21/2021

Matrix: WATER **Units:** ug/L

Basis:

Sample Name: **MW-D** **Lab Code:** **R2100574-005**

Analyte	Analysis Method	PQL	MDL	Dil. Factor	Result	C	Q
Aluminum	6010C	100	23.0	1.0	70.1	J	
Antimony	6010C	10.0	4.7	1.0	10.0	U	
Arsenic	6010C	10.0	5.5	1.0	10.0	U	
Barium	6010C	20.0	3.0	1.0	182		
Beryllium	6010C	3.0	0.130	1.0	3.0	U	
Cadmium	6010C	5.0	0.350	1.0	5.0	U	
Mercury	7470A	0.200	0.077	1.0	0.200	U	
Calcium	6010C	1000	220	1.0	137000		
Chromium	6010C	10.0	0.590	1.0	10.0	U	
Cobalt	6010C	50.0	0.890	1.0	50.0	U	
Copper	6010C	20.0	3.9	1.0	5.5	J	
Iron	6010C	100	61.0	1.0	68.1	J	
Lead	6010C	5.0	2.1	1.0	5.0	U	
Magnesium	6010C	1000	29.0	1.0	17700		
Manganese	6010C	10.0	3.7	1.0	10.0	U	
Nickel	6010C	40.0	2.6	1.0	40.0	U	
Potassium	6010C	2000	200	1.0	6620		
Selenium	6010C	10.0	6.4	1.0	9.0	J	
Silver	6010C	10.0	0.570	1.0	10.0	U	
Sodium	6010C	100000	13000	100.0	760000		
Thallium	6010C	10.0	6.6	1.0	10.0	U	
Vanadium	6010C	50.0	0.670	1.0	1.4	J	
Zinc	6010C	20.0	9.4	1.0	12.1	J	

% Solids: **0.0**

Comments:

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

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

QA/QC Report

Client: Asbestos & Environmental Consulting Corporation **Service Request:** R2100574
Project: 700 Outparcel/20-011
Sample Matrix: 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
MW-5	R2100574-001	96	101	103
MW-7	R2100574-002	94	101	103
MW-8	R2100574-003	107	102	108
MW-9	R2100574-004	97	98	102
MW-D	R2100574-005	95	100	102
Trip Blank	R2100574-006	94	100	104
Method Blank	RQ2101026-06	92	96	97
Lab Control Sample	RQ2101026-03	96	99	99
MW-7 MS	RQ2101026-07	101	99	103
MW-7 DMS	RQ2101026-08	104	102	106

ALS Group USA, Corp.
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QA/QC Report

Client:	Asbestos & Environmental Consulting Corporation	**Service Request:**	R2100574
Project:	700 Outparcel/20-011	**Date Collected:**	01/20/21
Sample Matrix:	Water	**Date Received:**	01/21/21
		Date Analyzed:	02/1/21
		Date Extracted:	NA

Duplicate Matrix Spike Summary
Volatile Organic Compounds by GC/MS

Sample Name:	MW-7	**Units:**	ug/L
Lab Code:	R2100574-002	**Basis:**	NA
Analysis Method:	8260C		
Prep Method:	EPA 5030C		

		Matrix Spike RQ2101026-07			Duplicate Matrix Spike RQ2101026-08					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,1,1-Trichloroethane (TCA)	1.0 U	52.4	50.0	105	53.3	50.0	107	74-127	2	30
1,1,2,2-Tetrachloroethane	1.0 U	51.5	50.0	103	51.8	50.0	104	72-122	<1	30
1,1,2-Trichloroethane	1.0 U	50.1	50.0	100	50.2	50.0	100	82-121	<1	30
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0 U	50.1	50.0	100	51.1	50.0	102	50-147	2	30
1,1-Dichloroethane (1,1-DCA)	1.0 U	53.9	50.0	108	54.3	50.0	109	74-132	<1	30
1,1-Dichloroethene (1,1-DCE)	1.0 U	62.8	50.0	126 *	62.1	50.0	124 *	71-118	1	30
1,2,3-Trichlorobenzene	1.0 U	47.7	50.0	95	47.8	50.0	96	59-129	<1	30
1,2,4-Trichlorobenzene	1.0 U	47.7	50.0	95	47.4	50.0	95	69-122	<1	30
1,2-Dibromo-3-chloropropane (DBCP)	2.0 U	47.6	50.0	95	49.7	50.0	99	37-150	4	30
1,2-Dibromoethane	1.0 U	53.2	50.0	106	51.8	50.0	104	67-127	3	30
1,2-Dichlorobenzene	1.0 U	48.8	50.0	98	49.9	50.0	100	77-120	2	30
1,2-Dichloroethane	1.0 U	49.0	50.0	98	49.2	50.0	98	68-130	<1	30
1,2-Dichloropropane	1.0 U	51.9	50.0	104	53.1	50.0	106	79-124	2	30
1,3-Dichlorobenzene	1.0 U	49.3	50.0	99	50.9	50.0	102	83-121	3	30
1,4-Dichlorobenzene	1.0 U	49.0	50.0	98	49.8	50.0	100	82-120	2	30
1,4-Dioxane	40 U	957	1000	96	982	1000	98	44-154	3	30
2-Butanone (MEK)	5.0 U	49.3	50.0	99	49.8	50.0	100	61-137	<1	30
2-Hexanone	5.0 U	52.3	50.0	105	51.6	50.0	103	56-132	1	30
4-Methyl-2-pentanone	5.0 U	51.2	50.0	102	53.3	50.0	107	60-141	4	30
Acetone	5.0 U	52.2	50.0	104	51.2	50.0	102	35-183	2	30
Benzene	1.0 U	51.8	50.0	104	53.3	50.0	107	76-129	3	30
Bromochloromethane	1.0 U	51.2	50.0	102	50.9	50.0	102	80-122	<1	30
Bromodichloromethane	1.0 U	48.1	50.0	96	50.3	50.0	101	78-133	4	30
Bromoform	1.0 U	47.3	50.0	95	48.5	50.0	97	58-133	3	30
Bromomethane	1.0 U	41.3	50.0	83	42.7	50.0	85	10-184	3	30
Carbon Disulfide	1.0 U	48.5	50.0	97	50.9	50.0	102	59-140	5	30
Carbon Tetrachloride	1.0 U	49.0	50.0	98	52.1	50.0	104	65-135	6	30
Chlorobenzene	1.0 U	51.7	50.0	103	51.6	50.0	103	76-125	<1	30
Chloroethane	1.0 U	53.4	50.0	107	49.3	50.0	99	48-146	8	30
Chloroform	1.0 U	52.3	50.0	105	51.9	50.0	104	75-130	<1	30
Chloromethane	1.0 U	56.0	50.0	112	57.8	50.0	116	55-160	3	30
Cyclohexane	1.0 U	50.5	50.0	101	52.7	50.0	105	52-145	4	30
Dibromochloromethane	1.0 U	53.6	50.0	107	53.9	50.0	108	72-128	<1	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.

ALS Group USA, Corp.
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QA/QC Report

Client:	Asbestos & Environmental Consulting Corporation	**Service Request:**	R2100574
Project:	700 Outparcel/20-011	**Date Collected:**	01/20/21
Sample Matrix:	Water	**Date Received:**	01/21/21
		Date Analyzed:	02/1/21
		Date Extracted:	NA

Duplicate Matrix Spike Summary
Volatile Organic Compounds by GC/MS

Sample Name:	MW-7	**Units:**	ug/L
Lab Code:	R2100574-002	**Basis:**	NA
Analysis Method:	8260C		
Prep Method:	EPA 5030C		

		Matrix Spike RQ2101026-07			**Duplicate Matrix Spike** RQ2101026-08					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Dichlorodifluoromethane (CFC 12)	1.0 U	54.2	50.0	108	55.8	50.0	112	49-154	3	30
Dichloromethane	1.0 U	49.3	50.0	99	51.3	50.0	103	73-122	4	30
Ethylbenzene	1.0 U	56.9	50.0	114	54.4	50.0	109	72-134	5	30
Isopropylbenzene (Cumene)	1.0 U	55.6	50.0	111	54.7	50.0	109	77-128	2	30
Methyl Acetate	2.0 U	44.5	50.0	89	42.6	50.0	85	26-121	4	30
Methyl tert-Butyl Ether	1.0 U	52.7	50.0	105	53.7	50.0	107	75-119	2	30
Methylcyclohexane	1.0 U	52.0	50.0	104	53.8	50.0	108	45-146	3	30
Styrene	1.0 U	48.8	50.0	98	51.2	50.0	102	74-136	5	30
Tetrachloroethene (PCE)	1.0 U	49.9	50.0	100	49.4	50.0	99	72-125	1	30
Toluene	1.0 U	51.6	50.0	103	53.2	50.0	106	79-119	3	30
Trichloroethene (TCE)	1.0 U	48.3	50.0	97	50.7	50.0	101	74-122	5	30
Trichlorofluoromethane (CFC 11)	1.0 U	55.2	50.0	110	56.0	50.0	112	71-136	1	30
Vinyl Chloride	1.0 U	56.1	50.0	112	54.2	50.0	108	74-159	4	30
cis-1,2-Dichloroethene	1.0 U	54.9	50.0	110	55.7	50.0	111	77-127	1	30
cis-1,3-Dichloropropene	1.0 U	50.1	50.0	100	52.0	50.0	104	52-134	4	30
m,p-Xylenes	2.0 U	113	100	113	111	100	111	80-126	2	30
o-Xylene	1.0 U	56.5	50.0	113	55.8	50.0	112	79-123	1	30
trans-1,2-Dichloroethene	1.0 U	57.5	50.0	115	57.8	50.0	116	73-118	<1	30
trans-1,3-Dichloropropene	1.0 U	49.4	50.0	99	52.2	50.0	104	71-133	5	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.

ALS Group USA, Corp.
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Analytical Report

Client:	Asbestos & Environmental Consulting Corporation	**Service Request:**	R2100574
Project:	700 Outparcel/20-011	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2101026-06	**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-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	02/01/21 13:37	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	02/01/21 13:37	
1,1,2-Trichloroethane	1.0 U	1.0	0.20	1	02/01/21 13:37	
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0 U	1.0	0.20	1	02/01/21 13:37	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	02/01/21 13:37	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	02/01/21 13:37	
1,2,3-Trichlorobenzene	1.0 U	1.0	0.25	1	02/01/21 13:37	
1,2,4-Trichlorobenzene	1.0 U	1.0	0.34	1	02/01/21 13:37	
1,2-Dibromo-3-chloropropane (DBCP)	2.0 U	2.0	0.45	1	02/01/21 13:37	
1,2-Dibromoethane	1.0 U	1.0	0.20	1	02/01/21 13:37	
1,2-Dichlorobenzene	1.0 U	1.0	0.20	1	02/01/21 13:37	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	02/01/21 13:37	
1,2-Dichloropropane	1.0 U	1.0	0.20	1	02/01/21 13:37	
1,3-Dichlorobenzene	1.0 U	1.0	0.20	1	02/01/21 13:37	
1,4-Dichlorobenzene	1.0 U	1.0	0.20	1	02/01/21 13:37	
1,4-Dioxane	40 U	40	13	1	02/01/21 13:37	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	02/01/21 13:37	
2-Hexanone	5.0 U	5.0	0.20	1	02/01/21 13:37	
4-Methyl-2-pentanone	5.0 U	5.0	0.20	1	02/01/21 13:37	
Acetone	5.0 U	5.0	5.0	1	02/01/21 13:37	
Benzene	1.0 U	1.0	0.20	1	02/01/21 13:37	
Bromochloromethane	1.0 U	1.0	0.20	1	02/01/21 13:37	
Bromodichloromethane	1.0 U	1.0	0.20	1	02/01/21 13:37	
Bromoform	1.0 U	1.0	0.25	1	02/01/21 13:37	
Bromomethane	1.0 U	1.0	0.70	1	02/01/21 13:37	
Carbon Disulfide	1.0 U	1.0	0.42	1	02/01/21 13:37	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	02/01/21 13:37	
Chlorobenzene	1.0 U	1.0	0.20	1	02/01/21 13:37	
Chloroethane	1.0 U	1.0	0.23	1	02/01/21 13:37	
Chloroform	1.0 U	1.0	0.24	1	02/01/21 13:37	
Chloromethane	1.0 U	1.0	0.28	1	02/01/21 13:37	
Cyclohexane	1.0 U	1.0	0.26	1	02/01/21 13:37	
Dibromochloromethane	1.0 U	1.0	0.20	1	02/01/21 13:37	
Dichlorodifluoromethane (CFC 12)	1.0 U	1.0	0.21	1	02/01/21 13:37	
Dichloromethane	1.0 U	1.0	0.65	1	02/01/21 13:37	
Ethylbenzene	1.0 U	1.0	0.20	1	02/01/21 13:37	
Isopropylbenzene (Cumene)	1.0 U	1.0	0.20	1	02/01/21 13:37	
Methyl Acetate	2.0 U	2.0	0.33	1	02/01/21 13:37	
Methyl tert-Butyl Ether	1.0 U	1.0	0.20	1	02/01/21 13:37	
Methylcyclohexane	1.0 U	1.0	0.20	1	02/01/21 13:37	
Styrene	1.0 U	1.0	0.20	1	02/01/21 13:37	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	02/01/21 13:37	
Toluene	1.0 U	1.0	0.20	1	02/01/21 13:37	

ALS Group USA, Corp.
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Analytical Report

Client:	Asbestos & Environmental Consulting Corporation	**Service Request:**	R2100574
Project:	700 Outparcel/20-011	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2101026-06	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	02/01/21 13:37	
Trichlorofluoromethane (CFC 11)	1.0 U	1.0	0.24	1	02/01/21 13:37	
Vinyl Chloride	1.0 U	1.0	0.20	1	02/01/21 13:37	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	02/01/21 13:37	
cis-1,3-Dichloropropene	1.0 U	1.0	0.20	1	02/01/21 13:37	
m,p-Xylenes	2.0 U	2.0	0.20	1	02/01/21 13:37	
o-Xylene	1.0 U	1.0	0.20	1	02/01/21 13:37	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	02/01/21 13:37	
trans-1,3-Dichloropropene	1.0 U	1.0	0.23	1	02/01/21 13:37	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	92	85 - 122	02/01/21 13:37	
Dibromofluoromethane	96	80 - 116	02/01/21 13:37	
Toluene-d8	97	87 - 121	02/01/21 13:37	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Asbestos & Environmental Consulting Corporation
Project: 700 Outparcel/20-011
Sample Matrix: Water

Service Request: R2100574
Date Analyzed: 02/01/21

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ2101026-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
1,1,1-Trichloroethane (TCA)	8260C	18.4	20.0	92	75-125
1,1,2,2-Tetrachloroethane	8260C	18.2	20.0	91	78-126
1,1,2-Trichloroethane	8260C	19.1	20.0	95	82-121
1,1,2-Trichloro-1,2,2-trifluoroethane	8260C	17.8	20.0	89	67-124
1,1-Dichloroethane (1,1-DCA)	8260C	19.2	20.0	96	80-124
1,1-Dichloroethene (1,1-DCE)	8260C	21.2	20.0	106	71-118
1,2,3-Trichlorobenzene	8260C	17.0	20.0	85	67-136
1,2,4-Trichlorobenzene	8260C	16.9	20.0	85	75-132
1,2-Dibromo-3-chloropropane (DBCP)	8260C	17.6	20.0	88	55-136
1,2-Dibromoethane	8260C	19.6	20.0	98	82-127
1,2-Dichlorobenzene	8260C	17.4	20.0	87	80-119
1,2-Dichloroethane	8260C	18.1	20.0	90	71-127
1,2-Dichloropropane	8260C	19.6	20.0	98	80-119
1,3-Dichlorobenzene	8260C	18.4	20.0	92	83-121
1,4-Dichlorobenzene	8260C	17.7	20.0	88	79-119
1,4-Dioxane	8260C	344	400	86	44-154
2-Butanone (MEK)	8260C	16.8	20.0	84	61-137
2-Hexanone	8260C	16.4	20.0	82	63-124
4-Methyl-2-pentanone	8260C	16.8	20.0	84	66-124
Acetone	8260C	17.4	20.0	87	40-161
Benzene	8260C	19.0	20.0	95	79-119
Bromochloromethane	8260C	19.1	20.0	95	81-126
Bromodichloromethane	8260C	19.0	20.0	95	81-123
Bromoform	8260C	20.5	20.0	102	65-146
Bromomethane	8260C	17.6	20.0	88	42-166
Carbon Disulfide	8260C	19.9	20.0	100	66-128
Carbon Tetrachloride	8260C	18.4	20.0	92	70-127
Chlorobenzene	8260C	18.2	20.0	91	80-121
Chloroethane	8260C	17.2	20.0	86	62-131
Chloroform	8260C	18.6	20.0	93	79-120
Chloromethane	8260C	20.0	20.0	100	65-135
Cyclohexane	8260C	18.5	20.0	93	69-120
Dibromochloromethane	8260C	20.5	20.0	102	72-128

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QA/QC Report

Client: Asbestos & Environmental Consulting Corporation
Project: 700 Outparcel/20-011
Sample Matrix: Water

Service Request: R2100574
Date Analyzed: 02/01/21

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ2101026-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Dichlorodifluoromethane (CFC 12)	8260C	20.8	20.0	104	59-155
Dichloromethane	8260C	19.3	20.0	96	73-122
Ethylbenzene	8260C	18.8	20.0	94	76-120
Isopropylbenzene (Cumene)	8260C	18.2	20.0	91	77-128
Methyl Acetate	8260C	17.1	20.0	86	61-133
Methyl tert-Butyl Ether	8260C	20.1	20.0	101	75-118
Methylcyclohexane	8260C	18.7	20.0	93	51-129
Styrene	8260C	18.4	20.0	92	80-124
Tetrachloroethene (PCE)	8260C	17.6	20.0	88	72-125
Toluene	8260C	18.2	20.0	91	79-119
Trichloroethene (TCE)	8260C	18.1	20.0	90	74-122
Trichlorofluoromethane (CFC 11)	8260C	19.8	20.0	99	71-136
Vinyl Chloride	8260C	19.7	20.0	99	74-159
cis-1,2-Dichloroethene	8260C	19.5	20.0	97	80-121
cis-1,3-Dichloropropene	8260C	18.8	20.0	94	77-122
m,p-Xylenes	8260C	37.4	40.0	93	80-126
o-Xylene	8260C	19.0	20.0	95	79-123
trans-1,2-Dichloroethene	8260C	20.4	20.0	102	73-118
trans-1,3-Dichloropropene	8260C	20.5	20.0	102	71-133

Semivolatile 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

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QA/QC Report

Client: Asbestos & Environmental Consulting Corporation **Service Request:** R2100574
Project: 700 Outparcel/20-011
Sample Matrix: Water

SURROGATE RECOVERY SUMMARY
Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Extraction Method: EPA 3510C

Sample Name	Lab Code	2,4,6-Tribromophenol 35-141	2-Fluorobiphenyl 31-118	2-Fluorophenol 10-105
MW-5	R2100574-001	33*	32	27
MW-5 RE	R2100574-001	80	46	38
MW-7	R2100574-002	69	50	36
MW-7 RE	R2100574-002	106	72	46
MW-8	R2100574-003	69	64	37
MW-8 RE	R2100574-003	103	62	44
MW-9	R2100574-004	65	55	31
MW-9 RE	R2100574-004	73	18*	24
MW-D	R2100574-005	65	59	34
MW-D RE	R2100574-005	82	43	32
Method Blank	RQ2100848-05	59	58	37
Method Blank	RQ2101189-01	106	68	43
Lab Control Sample	RQ2100848-06	61	53	31
Duplicate Lab Control Sample	RQ2100848-07	70	67	34
Lab Control Sample	RQ2101189-02	116	76	50
Duplicate Lab Control Sample	RQ2101189-03	115	77	45
MW-7 MS	RQ2100848-01	65	57	32
MW-7 DMS	RQ2100848-02	56	54	28
MW-7 MS	RQ2101189-04	106	69	48
MW-7 DMS	RQ2101189-05	119	84	57

Client: Asbestos & Environmental Consulting Corporation **Service Request:** R2100574
Project: 700 Outparcel/20-011
Sample Matrix: Water

SURROGATE RECOVERY SUMMARY
Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Extraction Method: EPA 3510C

Sample Name	Lab Code	Nitrobenzene-d5 31-110	Phenol-d6 10-107	Terphenyl-d14 10-165
MW-5	R2100574-001	27*	20	46
MW-5 RE	R2100574-001	47	27	117
MW-7	R2100574-002	45	25	74
MW-7 RE	R2100574-002	73	29	115
MW-8	R2100574-003	62	25	55
MW-8 RE	R2100574-003	72	30	91
MW-9	R2100574-004	49	21	61
MW-9 RE	R2100574-004	20*	19	106
MW-D	R2100574-005	54	23	63
MW-D RE	R2100574-005	46	24	108
Method Blank	RQ2100848-05	55	25	71
Method Blank	RQ2101189-01	75	30	128
Lab Control Sample	RQ2100848-06	46	22	61
Duplicate Lab Control Sample	RQ2100848-07	55	27	72
Lab Control Sample	RQ2101189-02	74	36	125
Duplicate Lab Control Sample	RQ2101189-03	75	34	129
MW-7 MS	RQ2100848-01	47	24	61
MW-7 DMS	RQ2100848-02	37	22	61
MW-7 MS	RQ2101189-04	69	32	110
MW-7 DMS	RQ2101189-05	85	39	114

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QA/QC Report

Client:	Asbestos & Environmental Consulting Corporation	**Service Request:**	R2100574
Project:	700 Outparcel/20-011	**Date Collected:**	01/20/21
Sample Matrix:	Water	**Date Received:**	01/21/21
		Date Analyzed:	01/29/21
		Date Extracted:	01/27/21

Duplicate Matrix Spike Summary
Semivolatile Organic Compounds by GC/MS

Sample Name:	MW-7	**Units:**	ug/L
Lab Code:	R2100574-002	**Basis:**	NA
Analysis Method:	8270D		
Prep Method:	EPA 3510C		

		Matrix Spike RQ2100848-01			**Duplicate Matrix Spike** RQ2100848-02					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,2,4,5-Tetrachlorobenzene	9.1 U	35.8	72.8	49	30.1	72.8	41	15-132	18	30
2,3,4,6-Tetrachlorophenol	9.1 U	45.0	72.7	62	40.6	72.7	56	42-136	10	30
2,4,5-Trichlorophenol	9.1 U	41.8	72.7	58	36.1	72.7	50	48-134	15	30
2,4,6-Trichlorophenol	9.1 U	38.3	72.7	53	35.8	72.7	49	44-135	8	30
2,4-Dichlorophenol	9.1 U	35.2	72.7	48	31.2	72.7	43	40-130	11	30
2,4-Dimethylphenol	9.1 U	34.9	72.7	48	33.9	72.7	47	42-121	2	30
2,4-Dinitrophenol	45 U	31.0 J	72.7	43	29.3 J	72.7	40	21-168	7	30
2,4-Dinitrotoluene	9.1 U	48.9	72.7	67	46.6	72.7	64	37-143	5	30
2,6-Dinitrotoluene	9.1 U	49.6	72.7	68	52.4	72.7	72	39-136	6	30
2-Chloronaphthalene	9.1 U	37.4	72.7	51	35.2	72.7	48	40-108	6	30
2-Chlorophenol	9.1 U	30.2	72.7	42	26.1	72.7	36 *	37-112	15	30
2-Methylnaphthalene	9.1 U	33.6	72.7	46	32.8	72.7	45	34-102	2	30
2-Methylphenol	9.1 U	32.9	72.7	45	30.1	72.7	41	37-102	9	30
2-Nitroaniline	9.1 U	40.1	72.7	55	45.0	72.7	62	40-136	12	30
2-Nitrophenol	9.1 U	33.0	72.7	45	28.2	72.7	39	27-143	14	30
3,3'-Dichlorobenzidine	9.1 U	8.77 J	72.7	12	27.4	72.7	38	11-131	104*	30
3- and 4-Methylphenol Coelution	9.1 U	32.5	72.7	45	30.5	72.7	42	30-95	7	30
3-Nitroaniline	9.1 U	33.1	72.7	45	40.5	72.7	56	19-117	22	30
4,6-Dinitro-2-methylphenol	45 U	38.3 J	72.7	53	34.0 J	72.7	47	25-154	12	30
4-Bromophenyl Phenyl Ether	9.1 U	52.5	72.7	72	50.3	72.7	69	39-115	4	30
4-Chloro-3-methylphenol	9.1 U	40.5	72.7	56	41.5	72.7	57	41-126	2	30
4-Chloroaniline	9.1 U	49.3	72.7	68	48.6	72.7	67	19-111	1	30
4-Chlorophenyl Phenyl Ether	9.1 U	41.5	72.7	57	43.8	72.7	60	41-111	5	30
4-Nitroaniline	9.1 U	17.8	72.7	25	37.6	72.7	52	18-143	70*	30
4-Nitrophenol	45 U	19.4 J	72.7	27	18.1 J	72.7	25	10-126	8	30
Acenaphthene	9.1 U	42.6	72.7	59	41.2	72.7	57	43-117	3	30
Acenaphthylene	9.1 U	42.3	72.7	58	42.0	72.7	58	45-119	<1	30
Acetophenone	9.1 U	70.6	145	49	63.7	145	44	40-113	11	30
Anthracene	9.1 U	51.1	72.7	70	49.5	72.7	68	45-127	3	30
Atrazine	9.1 U	62.9	72.7	87	53.1	72.7	73	50-165	18	30
Benz(a)anthracene	9.1 U	49.1	72.7	68	46.9	72.7	64	46-126	6	30
Benzaldehyde	9.1 U	35.8	72.7	49	28.6	72.7	39	32-133	23	30
Benzo(a)pyrene	9.1 U	57.8	72.7	79	55.2	72.7	76	44-114	4	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.

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client:	Asbestos & Environmental Consulting Corporation	**Service Request:**	R2100574
Project:	700 Outparcel/20-011	**Date Collected:**	01/20/21
Sample Matrix:	Water	**Date Received:**	01/21/21
		Date Analyzed:	01/29/21
		Date Extracted:	01/27/21

Duplicate Matrix Spike Summary
Semivolatile Organic Compounds by GC/MS

Sample Name:	MW-7	**Units:**	ug/L
Lab Code:	R2100574-002	**Basis:**	NA
Analysis Method:	8270D		
Prep Method:	EPA 3510C		

		Matrix Spike RQ2100848-01			**Duplicate Matrix Spike** RQ2100848-02					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Benzo(b)fluoranthene	9.1 U	47.7	72.7	66	46.9	72.7	65	41-127	2	30
Benzo(g,h,i)perylene	9.1 U	58.5	72.7	80	55.6	72.7	76	50-143	5	30
Benzo(k)fluoranthene	9.1 U	51.7	72.7	71	49.6	72.7	68	46-139	4	30
Biphenyl	9.1 U	40.6	72.7	56	37.9	72.7	52	10-126	7	30
2,2'-Oxybis(1-chloropropane)	9.1 U	34.5	72.7	47	28.1	72.7	39	21-126	19	30
Bis(2-chloroethoxy)methane	9.1 U	41.1	72.7	56	39.2	72.7	54	41-118	4	30
Bis(2-chloroethyl) Ether	9.1 U	33.0	72.7	45	28.4	72.7	39	33-108	14	30
Bis(2-ethylhexyl) Phthalate	9.1 U	50.7	72.7	70	48.8	72.7	67	41-132	4	30
Butyl Benzyl Phthalate	9.1 U	50.8	72.7	70	47.3	72.7	65	41-148	7	30
Caprolactam	9.1 U	14.8	72.7	20	14.0	72.7	19	10-48	5	30
Carbazole	9.1 U	55.7	72.7	77	51.8	72.7	71	39-144	8	30
Chrysene	9.1 U	51.8	72.7	71	49.4	72.7	68	47-126	4	30
Di-n-butyl Phthalate	9.1 U	57.7	72.7	79	54.1	72.7	74	43-130	7	30
Di-n-octyl Phthalate	9.1 U	49.9	72.7	69	47.1	72.7	65	40-139	6	30
Dibenz(a,h)anthracene	9.1 U	53.1	72.7	73	49.9	72.7	69	43-136	6	30
Dibenzofuran	9.1 U	44.1	72.7	61	43.7	72.7	60	46-119	2	30
Diethyl Phthalate	9.1 U	46.0	72.7	63	44.7	72.7	61	36-122	3	30
Dimethyl Phthalate	9.1 U	51.2	72.7	70	48.9	72.7	67	33-123	4	30
Fluoranthene	9.1 U	54.8	72.7	75	51.9	72.7	71	43-135	5	30
Fluorene	9.1 U	45.4	72.7	62	45.3	72.7	62	43-113	<1	30
Hexachlorobenzene	9.1 U	50.9	72.7	70	49.6	72.7	68	42-125	3	30
Hexachlorobutadiene	9.1 U	27.9	72.7	38	23.9	72.7	33	10-111	14	30
Hexachlorocyclopentadiene	9.1 U	13.5	72.7	19	13.0	72.7	18	10-103	5	30
Hexachloroethane	9.1 U	19.6	72.7	27	16.2	72.7	22	12-101	20	30
Indeno(1,2,3-cd)pyrene	9.1 U	52.4	72.7	72	49.5	72.7	68	49-140	6	30
Isophorone	9.1 U	38.1	72.7	52	37.3	72.7	51	40-111	2	30
N-Nitrosodi-n-propylamine	9.1 U	40.2	72.7	55	36.3	72.7	50	35-108	10	30
N-Nitrosodiphenylamine	9.1 U	55.5	72.7	76	52.2	72.7	72	43-127	5	30
Naphthalene	9.1 U	31.3	72.7	43	27.3	72.7	38	37-108	12	30
Nitrobenzene	9.1 U	38.8	72.7	53	31.0	72.7	43	35-112	21	30
Pentachlorophenol (PCP)	45 U	37.1 J	72.7	51	30.0 J	72.7	41	29-164	22	30
Phenanthrene	9.1 U	48.7	72.7	67	47.8	72.7	66	46-123	2	30
Phenol	9.1 U	16.4	72.7	23	15.5	72.7	21	10-113	9	30

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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.

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client:	Asbestos & Environmental Consulting Corporation	**Service Request:**	R2100574
Project:	700 Outparcel/20-011	**Date Collected:**	01/20/21
Sample Matrix:	Water	**Date Received:**	01/21/21
		Date Analyzed:	01/29/21
		Date Extracted:	01/27/21

Duplicate Matrix Spike Summary
Semivolatile Organic Compounds by GC/MS

Sample Name:	MW-7	**Units:**	ug/L
Lab Code:	R2100574-002	**Basis:**	NA
Analysis Method:	8270D		
Prep Method:	EPA 3510C		

		Matrix Spike RQ2100848-01			Duplicate Matrix Spike RQ2100848-02					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Pyrene	9.1 U	54.8	72.7	75	51.6	72.7	71	44-129	5	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.

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client:	Asbestos & Environmental Consulting Corporation	**Service Request:**	R2100574
Project:	700 Outparcel/20-011	**Date Collected:**	01/20/21
Sample Matrix:	Water	**Date Received:**	01/21/21
		Date Analyzed:	02/9/21
		Date Extracted:	02/5/21

Duplicate Matrix Spike Summary
Semivolatile Organic Compounds by GC/MS

Sample Name:	MW-7	**Units:**	ug/L
Lab Code:	R2100574-002	**Basis:**	NA
Analysis Method:	8270D		
Prep Method:	EPA 3510C		

		Matrix Spike RQ2101189-04			Duplicate Matrix Spike RQ2101189-05					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,2,4,5-Tetrachlorobenzene	9.1 U	43.5	72.8	60	52.4	72.8	72	15-132	18	30
2,3,4,6-Tetrachlorophenol	9.1 U	64.8	72.7	89	73.4	72.7	101	42-136	13	30
2,4,5-Trichlorophenol	9.1 U	52.2	72.7	72	63.5	72.7	87	48-134	19	30
2,4,6-Trichlorophenol	9.1 U	50.7	72.7	70	59.3	72.7	82	44-135	16	30
2,4-Dichlorophenol	9.1 U	43.1	72.7	59	55.6	72.7	76	40-130	25	30
2,4-Dimethylphenol	9.1 U	43.3	72.7	60	52.4	72.7	72	42-121	18	30
2,4-Dinitrophenol	45 U	54.5	72.7	75	60.2	72.7	83	21-168	10	30
2,4-Dinitrotoluene	9.1 U	68.7	72.7	94	70.5	72.7	97	37-143	3	30
2,6-Dinitrotoluene	9.1 U	67.5	72.7	93	68.8	72.7	95	39-136	2	30
2-Chloronaphthalene	9.1 U	41.2	72.7	57	51.7	72.7	71	40-108	22	30
2-Chlorophenol	9.1 U	41.0	72.7	56	50.0	72.7	69	37-112	21	30
2-Methylnaphthalene	9.1 U	39.5	72.7	54	49.8	72.7	69	34-102	24	30
2-Methylphenol	9.1 U	44.9	72.7	62	54.1	72.7	74	37-102	18	30
2-Nitroaniline	9.1 U	65.7	72.7	90	70.7	72.7	97	40-136	7	30
2-Nitrophenol	9.1 U	43.5	72.7	60	55.1	72.7	76	27-143	24	30
3,3'-Dichlorobenzidine	9.1 U	3.99 J	72.7	5 *	10.5	72.7	14	11-131	95*	30
3- and 4-Methylphenol Coelution	9.1 U	44.5	72.7	61	51.4	72.7	71	30-95	15	30
3-Nitroaniline	9.1 U	28.4	72.7	39	37.9	72.7	52	19-117	29	30
4,6-Dinitro-2-methylphenol	45 U	54.7	72.7	75	62.5	72.7	86	25-154	14	30
4-Bromophenyl Phenyl Ether	9.1 U	72.8	72.7	100	70.3	72.7	97	39-115	3	30
4-Chloro-3-methylphenol	9.1 U	60.4	72.7	83	66.0	72.7	91	41-126	9	30
4-Chloroaniline	9.1 U	55.4	72.7	76	53.3	72.7	73	19-111	4	30
4-Chlorophenyl Phenyl Ether	9.1 U	55.7	72.7	77	58.4	72.7	80	41-111	4	30
4-Nitroaniline	9.1 U	20.2	72.7	28	27.8	72.7	38	18-143	30	30
4-Nitrophenol	45 U	35.6 J	72.7	49	38.6 J	72.7	53	10-126	8	30
Acenaphthene	9.1 U	48.6	72.7	67	58.4	72.7	80	43-117	18	30
Acenaphthylene	9.1 U	50.4	72.7	69	60.7	72.7	83	45-119	18	30
Acetophenone	9.1 U	92.7	145	64	118	145	81	40-113	23	30
Anthracene	9.1 U	68.0	72.7	93	67.9	72.7	93	45-127	<1	30
Atrazine	9.1 U	82.7	72.7	114	86.4	72.7	119	50-165	4	30
Benz(a)anthracene	9.1 U	65.7	72.7	90	65.8	72.7	90	46-126	<1	30
Benzaldehyde	9.1 U	49.3	72.7	68	64.3	72.7	88	32-133	26	30
Benzo(a)pyrene	9.1 U	83.9	72.7	115 *	83.1	72.7	114	44-114	<1	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.

ALS Group USA, Corp.
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QA/QC Report

Client:	Asbestos & Environmental Consulting Corporation	**Service Request:**	R2100574
Project:	700 Outparcel/20-011	**Date Collected:**	01/20/21
Sample Matrix:	Water	**Date Received:**	01/21/21
		Date Analyzed:	02/9/21
		Date Extracted:	02/5/21

Duplicate Matrix Spike Summary
Semivolatile Organic Compounds by GC/MS

Sample Name:	MW-7	**Units:**	ug/L
Lab Code:	R2100574-002	**Basis:**	NA
Analysis Method:	8270D		
Prep Method:	EPA 3510C		

		Matrix Spike RQ2101189-04			**Duplicate Matrix Spike** RQ2101189-05					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Benzo(b)fluoranthene	9.1 U	67.7	72.7	93	66.3	72.7	91	41-127	2	30
Benzo(g,h,i)perylene	9.1 U	77.4	72.7	106	77.5	72.7	107	50-143	<1	30
Benzo(k)fluoranthene	9.1 U	71.6	72.7	98	70.5	72.7	97	46-139	1	30
Biphenyl	9.1 U	47.1	72.7	65	57.8	72.7	79	10-126	19	30
2,2'-Oxybis(1-chloropropane)	9.1 U	42.5	72.7	58	53.6	72.7	74	21-126	24	30
Bis(2-chloroethoxy)methane	9.1 U	51.7	72.7	71	64.1	72.7	88	41-118	21	30
Bis(2-chloroethyl) Ether	9.1 U	46.1	72.7	63	58.6	72.7	81	33-108	25	30
Bis(2-ethylhexyl) Phthalate	9.1 U	70.6	72.7	97	72.0	72.7	99	41-132	2	30
Butyl Benzyl Phthalate	9.1 U	67.1	72.7	92	68.9	72.7	95	41-148	3	30
Caprolactam	9.1 U	23.0	72.7	32	23.5	72.7	32	10-48	<1	30
Carbazole	9.1 U	82.4	72.7	113	78.4	72.7	108	39-144	5	30
Chrysene	9.1 U	70.8	72.7	97	70.8	72.7	97	47-126	<1	30
Di-n-butyl Phthalate	9.1 U	81.3	72.7	112	81.3	72.7	112	43-130	<1	30
Di-n-octyl Phthalate	9.1 U	68.2	72.7	94	68.8	72.7	95	40-139	1	30
Dibenz(a,h)anthracene	9.1 U	74.5	72.7	102	75.5	72.7	104	43-136	2	30
Dibenzofuran	9.1 U	53.2	72.7	73	61.0	72.7	84	46-119	14	30
Diethyl Phthalate	9.1 U	58.5	72.7	80	62.4	72.7	86	36-122	7	30
Dimethyl Phthalate	9.1 U	69.2	72.7	95	70.9	72.7	97	33-123	2	30
Fluoranthene	9.1 U	80.3	72.7	110	75.3	72.7	104	43-135	6	30
Fluorene	9.1 U	58.2	72.7	80	63.3	72.7	87	43-113	8	30
Hexachlorobenzene	9.1 U	76.0	72.7	104	77.5	72.7	107	42-125	3	30
Hexachlorobutadiene	9.1 U	33.6	72.7	46	42.4	72.7	58	10-111	23	30
Hexachlorocyclopentadiene	9.1 U	27.8	72.7	38	34.9	72.7	48	10-103	23	30
Hexachloroethane	9.1 U	33.0	72.7	45	40.8	72.7	56	12-101	22	30
Indeno(1,2,3-cd)pyrene	9.1 U	77.9	72.7	107	76.7	72.7	105	49-140	2	30
Isophorone	9.1 U	46.1	72.7	63	52.7	72.7	72	40-111	13	30
N-Nitrosodi-n-propylamine	9.1 U	56.6	72.7	78	71.0	72.7	98	35-108	23	30
N-Nitrosodiphenylamine	9.1 U	77.1	72.7	106	75.8	72.7	104	43-127	2	30
Naphthalene	9.1 U	38.4	72.7	53	47.5	72.7	65	37-108	20	30
Nitrobenzene	9.1 U	51.5	72.7	71	65.2	72.7	90	35-112	24	30
Pentachlorophenol (PCP)	45 U	71.8	72.7	99	78.0	72.7	107	29-164	8	30
Phenanthrene	9.1 U	65.1	72.7	90	62.5	72.7	86	46-123	5	30
Phenol	9.1 U	24.4	72.7	34	28.1	72.7	39	10-113	14	30

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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.

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QA/QC Report

Client:	Asbestos & Environmental Consulting Corporation	**Service Request:**	R2100574
Project:	700 Outparcel/20-011	**Date Collected:**	01/20/21
Sample Matrix:	Water	**Date Received:**	01/21/21
		Date Analyzed:	02/9/21
		Date Extracted:	02/5/21

Duplicate Matrix Spike Summary
Semivolatile Organic Compounds by GC/MS

Sample Name:	MW-7	**Units:**	ug/L
Lab Code:	R2100574-002	**Basis:**	NA
Analysis Method:	8270D		
Prep Method:	EPA 3510C		

		Matrix Spike RQ2101189-04			**Duplicate Matrix Spike** RQ2101189-05					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Pyrene	9.1 U	65.6	72.7	90	67.2	72.7	92	44-129	2	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.

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Analytical Report

Client:	Asbestos & Environmental Consulting Corporation	**Service Request:**	R2100574
Project:	700 Outparcel/20-011	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2100848-05	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	10 U	10	1.2	1	01/29/21 20:41	1/27/21	
2,3,4,6-Tetrachlorophenol	10 U	10	1.2	1	01/29/21 20:41	1/27/21	
2,4,5-Trichlorophenol	10 U	10	1.1	1	01/29/21 20:41	1/27/21	
2,4,6-Trichlorophenol	10 U	10	1.4	1	01/29/21 20:41	1/27/21	
2,4-Dichlorophenol	10 U	10	1.3	1	01/29/21 20:41	1/27/21	
2,4-Dimethylphenol	10 U	10	1.4	1	01/29/21 20:41	1/27/21	
2,4-Dinitrophenol	50 U	50	20	1	01/29/21 20:41	1/27/21	
2,4-Dinitrotoluene	10 U	10	2.4	1	01/29/21 20:41	1/27/21	
2,6-Dinitrotoluene	10 U	10	1.4	1	01/29/21 20:41	1/27/21	
2-Chloronaphthalene	10 U	10	1.4	1	01/29/21 20:41	1/27/21	
2-Chlorophenol	10 U	10	1.1	1	01/29/21 20:41	1/27/21	
2-Methylnaphthalene	10 U	10	1.3	1	01/29/21 20:41	1/27/21	
2-Methylphenol	10 U	10	1.0	1	01/29/21 20:41	1/27/21	
2-Nitroaniline	10 U	10	1.4	1	01/29/21 20:41	1/27/21	
2-Nitrophenol	10 U	10	1.5	1	01/29/21 20:41	1/27/21	
3,3'-Dichlorobenzidine	10 U	10	1.2	1	01/29/21 20:41	1/27/21	
3- and 4-Methylphenol Coelution	10 U	10	1.2	1	01/29/21 20:41	1/27/21	
3-Nitroaniline	10 U	10	2.5	1	01/29/21 20:41	1/27/21	
4,6-Dinitro-2-methylphenol	50 U	50	20	1	01/29/21 20:41	1/27/21	
4-Bromophenyl Phenyl Ether	10 U	10	1.7	1	01/29/21 20:41	1/27/21	
4-Chloro-3-methylphenol	10 U	10	1.1	1	01/29/21 20:41	1/27/21	
4-Chloroaniline	10 U	10	1.0	1	01/29/21 20:41	1/27/21	
4-Chlorophenyl Phenyl Ether	10 U	10	1.5	1	01/29/21 20:41	1/27/21	
4-Nitroaniline	10 U	10	2.7	1	01/29/21 20:41	1/27/21	
4-Nitrophenol	50 U	50	6.4	1	01/29/21 20:41	1/27/21	
Acenaphthene	10 U	10	1.4	1	01/29/21 20:41	1/27/21	
Acenaphthylene	10 U	10	1.4	1	01/29/21 20:41	1/27/21	
Acetophenone	10 U	10	1.3	1	01/29/21 20:41	1/27/21	
Anthracene	10 U	10	1.3	1	01/29/21 20:41	1/27/21	
Atrazine	10 U	10	2.1	1	01/29/21 20:41	1/27/21	
Benz(a)anthracene	10 U	10	1.6	1	01/29/21 20:41	1/27/21	
Benzaldehyde	10 U	10	3.7	1	01/29/21 20:41	1/27/21	
Benzo(a)pyrene	10 U	10	1.2	1	01/29/21 20:41	1/27/21	
Benzo(b)fluoranthene	10 U	10	1.2	1	01/29/21 20:41	1/27/21	
Benzo(g,h,i)perylene	10 U	10	1.0	1	01/29/21 20:41	1/27/21	
Benzo(k)fluoranthene	10 U	10	1.3	1	01/29/21 20:41	1/27/21	
Biphenyl	10 U	10	1.4	1	01/29/21 20:41	1/27/21	
2,2'-Oxybis(1-chloropropane)	10 U	10	1.4	1	01/29/21 20:41	1/27/21	
Bis(2-chloroethoxy)methane	10 U	10	1.9	1	01/29/21 20:41	1/27/21	
Bis(2-chloroethyl) Ether	10 U	10	1.3	1	01/29/21 20:41	1/27/21	
Bis(2-ethylhexyl) Phthalate	10 U	10	7.8	1	01/29/21 20:41	1/27/21	
Butyl Benzyl Phthalate	10 U	10	1.4	1	01/29/21 20:41	1/27/21	
Caprolactam	10 U	10	1.0	1	01/29/21 20:41	1/27/21	

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Analytical Report

Client:	Asbestos & Environmental Consulting Corporation	**Service Request:**	R2100574
Project:	700 Outparcel/20-011	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2100848-05	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	10 U	10	1.6	1	01/29/21 20:41	1/27/21	
Chrysene	10 U	10	1.2	1	01/29/21 20:41	1/27/21	
Di-n-butyl Phthalate	10 U	10	1.7	1	01/29/21 20:41	1/27/21	
Di-n-octyl Phthalate	10 U	10	3.3	1	01/29/21 20:41	1/27/21	
Dibenz(a,h)anthracene	10 U	10	1.1	1	01/29/21 20:41	1/27/21	
Dibenzofuran	10 U	10	1.4	1	01/29/21 20:41	1/27/21	
Diethyl Phthalate	10 U	10	1.1	1	01/29/21 20:41	1/27/21	
Dimethyl Phthalate	10 U	10	1.3	1	01/29/21 20:41	1/27/21	
Fluoranthene	10 U	10	1.5	1	01/29/21 20:41	1/27/21	
Fluorene	10 U	10	1.3	1	01/29/21 20:41	1/27/21	
Hexachlorobenzene	10 U	10	1.6	1	01/29/21 20:41	1/27/21	
Hexachlorobutadiene	10 U	10	1.0	1	01/29/21 20:41	1/27/21	
Hexachlorocyclopentadiene	10 U	10	2.2	1	01/29/21 20:41	1/27/21	
Hexachloroethane	10 U	10	1.1	1	01/29/21 20:41	1/27/21	
Indeno(1,2,3-cd)pyrene	10 U	10	1.8	1	01/29/21 20:41	1/27/21	
Isophorone	10 U	10	1.4	1	01/29/21 20:41	1/27/21	
N-Nitrosodi-n-propylamine	10 U	10	1.2	1	01/29/21 20:41	1/27/21	
N-Nitrosodiphenylamine	10 U	10	2.7	1	01/29/21 20:41	1/27/21	
Naphthalene	10 U	10	1.2	1	01/29/21 20:41	1/27/21	
Nitrobenzene	10 U	10	1.5	1	01/29/21 20:41	1/27/21	
Pentachlorophenol (PCP)	50 U	50	9.7	1	01/29/21 20:41	1/27/21	
Phenanthrene	10 U	10	1.4	1	01/29/21 20:41	1/27/21	
Phenol	10 U	10	1.0	1	01/29/21 20:41	1/27/21	
Pyrene	10 U	10	1.5	1	01/29/21 20:41	1/27/21	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	59	35 - 141	01/29/21 20:41	
2-Fluorobiphenyl	58	31 - 118	01/29/21 20:41	
2-Fluorophenol	37	10 - 105	01/29/21 20:41	
Nitrobenzene-d5	55	31 - 110	01/29/21 20:41	
Phenol-d6	25	10 - 107	01/29/21 20:41	
Terphenyl-d14	71	10 - 165	01/29/21 20:41	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

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Analytical Report

Client:	Asbestos & Environmental Consulting Corporation	**Service Request:**	R2100574
Project:	700 Outparcel/20-011	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2101189-01	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	10 U	10	1.2	1	02/09/21 19:02	2/5/21	
2,3,4,6-Tetrachlorophenol	10 U	10	1.2	1	02/09/21 19:02	2/5/21	
2,4,5-Trichlorophenol	10 U	10	1.1	1	02/09/21 19:02	2/5/21	
2,4,6-Trichlorophenol	10 U	10	1.4	1	02/09/21 19:02	2/5/21	
2,4-Dichlorophenol	10 U	10	1.3	1	02/09/21 19:02	2/5/21	
2,4-Dimethylphenol	10 U	10	1.4	1	02/09/21 19:02	2/5/21	
2,4-Dinitrophenol	50 U	50	20	1	02/09/21 19:02	2/5/21	
2,4-Dinitrotoluene	10 U	10	2.4	1	02/09/21 19:02	2/5/21	
2,6-Dinitrotoluene	10 U	10	1.4	1	02/09/21 19:02	2/5/21	
2-Chloronaphthalene	10 U	10	1.4	1	02/09/21 19:02	2/5/21	
2-Chlorophenol	10 U	10	1.1	1	02/09/21 19:02	2/5/21	
2-Methylnaphthalene	10 U	10	1.3	1	02/09/21 19:02	2/5/21	
2-Methylphenol	10 U	10	1.0	1	02/09/21 19:02	2/5/21	
2-Nitroaniline	10 U	10	1.4	1	02/09/21 19:02	2/5/21	
2-Nitrophenol	10 U	10	1.5	1	02/09/21 19:02	2/5/21	
3,3'-Dichlorobenzidine	10 U	10	1.2	1	02/09/21 19:02	2/5/21	
3- and 4-Methylphenol Coelution	10 U	10	1.2	1	02/09/21 19:02	2/5/21	
3-Nitroaniline	10 U	10	2.5	1	02/09/21 19:02	2/5/21	
4,6-Dinitro-2-methylphenol	50 U	50	20	1	02/09/21 19:02	2/5/21	
4-Bromophenyl Phenyl Ether	10 U	10	1.7	1	02/09/21 19:02	2/5/21	
4-Chloro-3-methylphenol	10 U	10	1.1	1	02/09/21 19:02	2/5/21	
4-Chloroaniline	10 U	10	1.0	1	02/09/21 19:02	2/5/21	
4-Chlorophenyl Phenyl Ether	10 U	10	1.5	1	02/09/21 19:02	2/5/21	
4-Nitroaniline	10 U	10	2.7	1	02/09/21 19:02	2/5/21	
4-Nitrophenol	50 U	50	6.4	1	02/09/21 19:02	2/5/21	
Acenaphthene	10 U	10	1.4	1	02/09/21 19:02	2/5/21	
Acenaphthylene	10 U	10	1.4	1	02/09/21 19:02	2/5/21	
Acetophenone	10 U	10	1.3	1	02/09/21 19:02	2/5/21	
Anthracene	10 U	10	1.3	1	02/09/21 19:02	2/5/21	
Atrazine	10 U	10	2.1	1	02/09/21 19:02	2/5/21	
Benz(a)anthracene	10 U	10	1.6	1	02/09/21 19:02	2/5/21	
Benzaldehyde	10 U	10	3.7	1	02/09/21 19:02	2/5/21	
Benzo(a)pyrene	10 U	10	1.2	1	02/09/21 19:02	2/5/21	
Benzo(b)fluoranthene	10 U	10	1.2	1	02/09/21 19:02	2/5/21	
Benzo(g,h,i)perylene	10 U	10	1.0	1	02/09/21 19:02	2/5/21	
Benzo(k)fluoranthene	10 U	10	1.3	1	02/09/21 19:02	2/5/21	
Biphenyl	10 U	10	1.4	1	02/09/21 19:02	2/5/21	
2,2'-Oxybis(1-chloropropane)	10 U	10	1.4	1	02/09/21 19:02	2/5/21	
Bis(2-chloroethoxy)methane	10 U	10	1.9	1	02/09/21 19:02	2/5/21	
Bis(2-chloroethyl) Ether	10 U	10	1.3	1	02/09/21 19:02	2/5/21	
Bis(2-ethylhexyl) Phthalate	10 U	10	7.8	1	02/09/21 19:02	2/5/21	
Butyl Benzyl Phthalate	10 U	10	1.4	1	02/09/21 19:02	2/5/21	
Caprolactam	10 U	10	1.0	1	02/09/21 19:02	2/5/21	

ALS Group USA, Corp.
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Analytical Report

Client:	Asbestos & Environmental Consulting Corporation	**Service Request:**	R2100574
Project:	700 Outparcel/20-011	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2101189-01	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	10 U	10	1.6	1	02/09/21 19:02	2/5/21	
Chrysene	10 U	10	1.2	1	02/09/21 19:02	2/5/21	
Di-n-butyl Phthalate	10 U	10	1.7	1	02/09/21 19:02	2/5/21	
Di-n-octyl Phthalate	10 U	10	3.3	1	02/09/21 19:02	2/5/21	
Dibenz(a,h)anthracene	10 U	10	1.1	1	02/09/21 19:02	2/5/21	
Dibenzofuran	10 U	10	1.4	1	02/09/21 19:02	2/5/21	
Diethyl Phthalate	10 U	10	1.1	1	02/09/21 19:02	2/5/21	
Dimethyl Phthalate	10 U	10	1.3	1	02/09/21 19:02	2/5/21	
Fluoranthene	10 U	10	1.5	1	02/09/21 19:02	2/5/21	
Fluorene	10 U	10	1.3	1	02/09/21 19:02	2/5/21	
Hexachlorobenzene	10 U	10	1.6	1	02/09/21 19:02	2/5/21	
Hexachlorobutadiene	10 U	10	1.0	1	02/09/21 19:02	2/5/21	
Hexachlorocyclopentadiene	10 U	10	2.2	1	02/09/21 19:02	2/5/21	
Hexachloroethane	10 U	10	1.1	1	02/09/21 19:02	2/5/21	
Indeno(1,2,3-cd)pyrene	10 U	10	1.8	1	02/09/21 19:02	2/5/21	
Isophorone	10 U	10	1.4	1	02/09/21 19:02	2/5/21	
N-Nitrosodi-n-propylamine	10 U	10	1.2	1	02/09/21 19:02	2/5/21	
N-Nitrosodiphenylamine	10 U	10	2.7	1	02/09/21 19:02	2/5/21	
Naphthalene	10 U	10	1.2	1	02/09/21 19:02	2/5/21	
Nitrobenzene	10 U	10	1.5	1	02/09/21 19:02	2/5/21	
Pentachlorophenol (PCP)	50 U	50	9.7	1	02/09/21 19:02	2/5/21	
Phenanthrene	10 U	10	1.4	1	02/09/21 19:02	2/5/21	
Phenol	10 U	10	1.0	1	02/09/21 19:02	2/5/21	
Pyrene	10 U	10	1.5	1	02/09/21 19:02	2/5/21	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	106	35 - 141	02/09/21 19:02	
2-Fluorobiphenyl	68	31 - 118	02/09/21 19:02	
2-Fluorophenol	43	10 - 105	02/09/21 19:02	
Nitrobenzene-d5	75	31 - 110	02/09/21 19:02	
Phenol-d6	30	10 - 107	02/09/21 19:02	
Terphenyl-d14	128	10 - 165	02/09/21 19:02	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
000994-05-8	Butane, 2-methoxy-2-methyl-	2.22	140	JN

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Asbestos & Environmental Consulting Corporation
Project: 700 Outparcel/20-011
Sample Matrix: Water

Service Request: R2100574
Date Analyzed: 02/02/21

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

Units:ug/L
Basis:NA

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ2100848-06			RQ2100848-07					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,2,4,5-Tetrachlorobenzene	8270D	38.9	80.1	49	45.9	80.1	57	15-132	15	30
2,3,4,6-Tetrachlorophenol	8270D	52.0	80.0	65	53.0	80.0	66	42-136	2	30
2,4,5-Trichlorophenol	8270D	50.8	80.0	64	49.5	80.0	62	48-134	3	30
2,4,6-Trichlorophenol	8270D	47.2	80.0	59	48.6	80.0	61	44-135	3	30
2,4-Dichlorophenol	8270D	42.1	80.0	53	42.8	80.0	53	48-127	<1	30
2,4-Dimethylphenol	8270D	41.5	80.0	52 *	40.7	80.0	51 *	59-113	2	30
2,4-Dinitrophenol	8270D	30.9 J	80.0	39	28.4 J	80.0	36	21-154	8	30
2,4-Dinitrotoluene	8270D	57.1	80.0	71	58.0	80.0	72	54-130	1	30
2,6-Dinitrotoluene	8270D	60.5	80.0	76	56.8	80.0	71	51-127	7	30
2-Chloronaphthalene	8270D	41.7	80.0	52	45.5	80.0	57	40-108	9	30
2-Chlorophenol	8270D	36.3	80.0	45	35.9	80.0	45	42-112	<1	30
2-Methylnaphthalene	8270D	37.5	80.0	47	42.5	80.0	53	34-102	12	30
2-Methylphenol	8270D	38.8	80.0	49	38.5	80.0	48	47-100	2	30
2-Nitroaniline	8270D	56.5	80.0	71	53.2	80.0	67	52-133	6	30
2-Nitrophenol	8270D	38.5	80.0	48	40.6	80.0	51	43-131	6	30
3,3'-Dichlorobenzidine	8270D	60.2	80.0	75	59.2	80.0	74	43-126	1	30
3- and 4-Methylphenol Coelution	8270D	39.7	80.0	50	36.4	80.0	45	40-92	11	30
3-Nitroaniline	8270D	52.5	80.0	66	44.5	80.0	56	42-111	16	30
4,6-Dinitro-2-methylphenol	8270D	42.6 J	80.0	53	43.2 J	80.0	54	36-152	2	30
4-Bromophenyl Phenyl Ether	8270D	63.7	80.0	80	65.0	80.0	81	48-114	1	30
4-Chloro-3-methylphenol	8270D	49.5	80.0	62	48.5	80.0	61	52-113	2	30
4-Chloroaniline	8270D	49.3	80.0	62	47.0	80.0	59	44-109	5	30
4-Chlorophenyl Phenyl Ether	8270D	53.5	80.0	67	52.9	80.0	66	51-107	2	30
4-Nitroaniline	8270D	53.7	80.0	67	51.6	80.0	65	54-133	3	30
4-Nitrophenol	8270D	24.8 J	80.0	31	21.0 J	80.0	26	10-126	18	30
Acenaphthene	8270D	47.2	80.0	59	50.5	80.0	63	52-107	7	30
Acenaphthylene	8270D	48.8	80.0	61	53.3	80.0	67	55-109	9	30
Acetophenone	8270D	82.9	160	52	92.9	160	58	46-114	11	30
Anthracene	8270D	60.0	80.0	75	59.5	80.0	74	55-116	1	30
Atrazine	8270D	64.0	80.0	80	71.9	80.0	90	61-164	12	30
Benz(a)anthracene	8270D	57.0	80.0	71	56.4	80.0	70	61-121	1	30
Benzaldehyde	8270D	39.3	80.0	49	44.9	80.0	56	45-132	13	30
Benzo(a)pyrene	8270D	68.9	80.0	86	66.4	80.0	83	44-114	4	30

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Asbestos & Environmental Consulting Corporation
Project: 700 Outparcel/20-011
Sample Matrix: Water

Service Request: R2100574
Date Analyzed: 02/02/21

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

Units:ug/L
Basis:NA

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ2100848-06			RQ2100848-07					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Benzo(b)fluoranthene	8270D	57.3	80.0	72	54.8	80.0	69	62-115	4	30
Benzo(g,h,i)perylene	8270D	67.3	80.0	84	63.4	80.0	79	63-136	6	30
Benzo(k)fluoranthene	8270D	61.8	80.0	77	58.8	80.0	74	49-133	4	30
Biphenyl	8270D	42.4	80.0	53	51.1	80.0	64	39-106	19	30
2,2'-Oxybis(1-chloropropane)	8270D	37.8	80.0	47	42.1	80.0	53	32-122	12	30
Bis(2-chloroethoxy)methane	8270D	50.6	80.0	63	51.4	80.0	64	55-110	2	30
Bis(2-chloroethyl) Ether	8270D	41.6	80.0	52	42.0	80.0	52	46-102	<1	30
Bis(2-ethylhexyl) Phthalate	8270D	59.5	80.0	74	57.2	80.0	71	51-132	4	30
Butyl Benzyl Phthalate	8270D	55.9	80.0	70	56.3	80.0	70	41-148	<1	30
Caprolactam	8270D	16.0	80.0	20	17.4	80.0	22	10-41	10	30
Carbazole	8270D	66.4	80.0	83	65.5	80.0	82	56-139	1	30
Chrysene	8270D	59.2	80.0	74	57.7	80.0	72	57-118	3	30
Di-n-butyl Phthalate	8270D	67.7	80.0	85	66.7	80.0	83	57-128	2	30
Di-n-octyl Phthalate	8270D	57.8	80.0	72	54.7	80.0	68	62-124	6	30
Dibenz(a,h)anthracene	8270D	61.5	80.0	77	57.4	80.0	72	54-135	7	30
Dibenzofuran	8270D	51.5	80.0	64	54.3	80.0	68	55-110	6	30
Diethyl Phthalate	8270D	52.9	80.0	66	53.5	80.0	67	53-113	2	30
Dimethyl Phthalate	8270D	61.2	80.0	76	60.0	80.0	75	51-112	1	30
Fluoranthene	8270D	66.0	80.0	82	62.6	80.0	78	66-127	5	30
Fluorene	8270D	56.5	80.0	71	56.5	80.0	71	54-106	<1	30
Hexachlorobenzene	8270D	63.4	80.0	79	63.2	80.0	79	53-123	<1	30
Hexachlorobutadiene	8270D	32.6	80.0	41	34.5	80.0	43	16-95	5	30
Hexachlorocyclopentadiene	8270D	15.7	80.0	20	18.0	80.0	23	10-99	14	30
Hexachloroethane	8270D	23.2	80.0	29	26.6	80.0	33	15-92	13	30
Indeno(1,2,3-cd)pyrene	8270D	60.5	80.0	76	57.5	80.0	72	62-137	5	30
Isophorone	8270D	46.4	80.0	58	46.6	80.0	58	50-116	<1	30
N-Nitrosodi-n-propylamine	8270D	49.4	80.0	62	48.4	80.0	61	49-115	2	30
N-Nitrosodiphenylamine	8270D	65.4	80.0	82	66.3	80.0	83	45-123	1	30
Naphthalene	8270D	34.1	80.0	43	38.7	80.0	48	38-99	11	30
Nitrobenzene	8270D	41.1	80.0	51	40.2	80.0	50	46-108	2	30
Pentachlorophenol (PCP)	8270D	45.1 J	80.0	56	40.7 J	80.0	51	29-164	9	30
Phenanthrene	8270D	57.0	80.0	71	58.5	80.0	73	58-118	3	30
Phenol	8270D	20.6	80.0	26	20.6	80.0	26	10-113	<1	30

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Asbestos & Environmental Consulting Corporation
Project: 700 Outparcel/20-011
Sample Matrix: Water

Service Request: R2100574
Date Analyzed: 02/02/21

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

Units:ug/L
Basis:NA

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ2100848-06			RQ2100848-07					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Pyrene	8270D	62.0	80.0	78	61.6	80.0	77	61-122	1	30

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Asbestos & Environmental Consulting Corporation
Project: 700 Outparcel/20-011
Sample Matrix: Water

Service Request: R2100574
Date Analyzed: 02/09/21

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

Units:ug/L
Basis:NA

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ2101189-02			RQ2101189-03					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,2,4,5-Tetrachlorobenzene	8270D	52.5	80.1	66	51.7	80.1	65	15-132	2	30
2,3,4,6-Tetrachlorophenol	8270D	82.8	80.0	103	85.0	80.0	106	42-136	3	30
2,4,5-Trichlorophenol	8270D	67.6	80.0	85	66.7	80.0	83	48-134	2	30
2,4,6-Trichlorophenol	8270D	62.9	80.0	79	62.8	80.0	78	44-135	1	30
2,4-Dichlorophenol	8270D	55.2	80.0	69	53.8	80.0	67	48-127	3	30
2,4-Dimethylphenol	8270D	62.0	80.0	78	61.1	80.0	76	59-113	3	30
2,4-Dinitrophenol	8270D	40.8 J	80.0	51	51.7	80.0	65	21-154	24	30
2,4-Dinitrotoluene	8270D	84.7	80.0	106	81.9	80.0	102	54-130	4	30
2,6-Dinitrotoluene	8270D	81.4	80.0	102	82.3	80.0	103	51-127	<1	30
2-Chloronaphthalene	8270D	51.2	80.0	64	53.3	80.0	67	40-108	5	30
2-Chlorophenol	8270D	48.5	80.0	61	44.0	80.0	55	42-112	10	30
2-Methylnaphthalene	8270D	45.6	80.0	57	49.7	80.0	62	34-102	8	30
2-Methylphenol	8270D	54.0	80.0	67	52.9	80.0	66	47-100	2	30
2-Nitroaniline	8270D	96.4	80.0	121	96.2	80.0	120	52-133	<1	30
2-Nitrophenol	8270D	55.1	80.0	69	55.8	80.0	70	43-131	1	30
3,3'-Dichlorobenzidine	8270D	77.6	80.0	97	79.0	80.0	99	43-126	2	30
3- and 4-Methylphenol Coelution	8270D	54.1	80.0	68	50.1	80.0	63	40-92	8	30
3-Nitroaniline	8270D	72.6	80.0	91	70.3	80.0	88	42-111	3	30
4,6-Dinitro-2-methylphenol	8270D	72.1	80.0	90	70.6	80.0	88	36-152	2	30
4-Bromophenyl Phenyl Ether	8270D	83.1	80.0	104	87.6	80.0	110	48-114	6	30
4-Chloro-3-methylphenol	8270D	71.2	80.0	89	73.8	80.0	92	52-113	3	30
4-Chloroaniline	8270D	64.8	80.0	81	68.3	80.0	85	44-109	5	30
4-Chlorophenyl Phenyl Ether	8270D	66.6	80.0	83	69.5	80.0	87	51-107	5	30
4-Nitroaniline	8270D	78.5	80.0	98	81.9	80.0	102	54-133	4	30
4-Nitrophenol	8270D	41.5 J	80.0	52	41.9 J	80.0	52	10-126	<1	30
Acenaphthene	8270D	61.5	80.0	77	63.7	80.0	80	52-107	4	30
Acenaphthylene	8270D	62.7	80.0	78	65.1	80.0	81	55-109	4	30
Acetophenone	8270D	116	160	73	118	160	74	46-114	1	30
Anthracene	8270D	83.6	80.0	105	84.2	80.0	105	55-116	<1	30
Atrazine	8270D	91.0	80.0	114	91.8	80.0	115	61-164	<1	30
Benz(a)anthracene	8270D	74.1	80.0	93	76.8	80.0	96	61-121	3	30
Benzaldehyde	8270D	60.6	80.0	76	57.9	80.0	72	45-132	5	30
Benzo(a)pyrene	8270D	95.5	80.0	119 *	100	80.0	125 *	44-114	5	30

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Asbestos & Environmental Consulting Corporation
Project: 700 Outparcel/20-011
Sample Matrix: Water

Service Request: R2100574
Date Analyzed: 02/09/21

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

Units:ug/L
Basis:NA

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ2101189-02			RQ2101189-03					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Benzo(b)fluoranthene	8270D	74.1	80.0	93	80.1	80.0	100	62-115	7	30
Benzo(g,h,i)perylene	8270D	86.4	80.0	108	91.0	80.0	114	63-136	5	30
Benzo(k)fluoranthene	8270D	82.2	80.0	103	85.6	80.0	107	49-133	4	30
Biphenyl	8270D	56.6	80.0	71	56.3	80.0	70	39-106	1	30
2,2'-Oxybis(1-chloropropane)	8270D	53.2	80.0	66	56.2	80.0	70	32-122	6	30
Bis(2-chloroethoxy)methane	8270D	64.6	80.0	81	65.8	80.0	82	55-110	1	30
Bis(2-chloroethyl) Ether	8270D	58.3	80.0	73	54.7	80.0	68	46-102	7	30
Bis(2-ethylhexyl) Phthalate	8270D	78.0	80.0	97	78.1	80.0	98	51-132	1	30
Butyl Benzyl Phthalate	8270D	77.9	80.0	97	80.3	80.0	100	41-148	3	30
Caprolactam	8270D	24.8	80.0	31	26.5	80.0	33	10-41	6	30
Carbazole	8270D	89.4	80.0	112	94.3	80.0	118	56-139	5	30
Chrysene	8270D	78.7	80.0	98	82.2	80.0	103	57-118	5	30
Di-n-butyl Phthalate	8270D	92.8	80.0	116	96.6	80.0	121	57-128	4	30
Di-n-octyl Phthalate	8270D	77.4	80.0	97	80.0	80.0	100	62-124	3	30
Dibenz(a,h)anthracene	8270D	83.6	80.0	105	87.7	80.0	110	54-135	5	30
Dibenzofuran	8270D	64.0	80.0	80	66.5	80.0	83	55-110	4	30
Diethyl Phthalate	8270D	70.1	80.0	88	69.8	80.0	87	53-113	1	30
Dimethyl Phthalate	8270D	80.2	80.0	100	80.3	80.0	100	51-112	<1	30
Fluoranthene	8270D	86.8	80.0	109	90.7	80.0	113	66-127	4	30
Fluorene	8270D	71.4	80.0	89	73.6	80.0	92	54-106	3	30
Hexachlorobenzene	8270D	86.7	80.0	108	91.9	80.0	115	53-123	6	30
Hexachlorobutadiene	8270D	39.9	80.0	50	41.7	80.0	52	16-95	4	30
Hexachlorocyclopentadiene	8270D	32.8	80.0	41	30.8	80.0	39	10-99	5	30
Hexachloroethane	8270D	38.6	80.0	48	35.7	80.0	45	15-92	6	30
Indeno(1,2,3-cd)pyrene	8270D	87.1	80.0	109	91.3	80.0	114	62-137	4	30
Isophorone	8270D	55.2	80.0	69	56.4	80.0	70	50-116	1	30
N-Nitrosodi-n-propylamine	8270D	72.2	80.0	90	72.9	80.0	91	49-115	1	30
N-Nitrosodiphenylamine	8270D	83.4	80.0	104	85.3	80.0	107	45-123	3	30
Naphthalene	8270D	44.9	80.0	56	48.0	80.0	60	38-99	7	30
Nitrobenzene	8270D	57.5	80.0	72	58.9	80.0	74	46-108	3	30
Pentachlorophenol (PCP)	8270D	89.5	80.0	112	91.1	80.0	114	29-164	2	30
Phenanthrene	8270D	73.6	80.0	92	76.5	80.0	96	58-118	4	30
Phenol	8270D	27.8	80.0	35	27.3	80.0	34	10-113	3	30

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Asbestos & Environmental Consulting Corporation
Project: 700 Outparcel/20-011
Sample Matrix: Water

Service Request: R2100574
Date Analyzed: 02/09/21

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

Units:ug/L
Basis:NA

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ2101189-02			RQ2101189-03					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Pyrene	8270D	74.5	80.0	93	76.3	80.0	95	61-122	2	30

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

METALS

-3-

BLANKS

Contract: R2100574

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: MW-5

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L, ppt, or mg/kg): UG/L

Analyte	Initial Calib. Blank ug/L	C	Continuing Calibration Blank ug/L 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum	23.00	U	23.00	U	23.00	U	23.00	U	23.000	U	P
Antimony	4.70	U	4.70	U	4.70	U	4.70	U	4.700	U	P
Arsenic	5.50	U	5.50	U	5.50	U	5.50	U	5.500	U	P
Barium	3.00	U	3.00	U	3.00	U	3.00	U	3.000	U	P
Beryllium	0.13	U	0.13	U	0.13	U	0.13	U	0.130	U	P
Cadmium	0.35	U	0.35	U	0.35	U	0.35	U	0.350	U	P
Mercury	0.077	U	0.077	U	0.077	U	0.077	U	0.077	U	CV
Calcium	220.00	U	220.00	U	220.00	U	220.00	U	220.000	U	P
Chromium	0.59	U	0.59	U	0.59	U	0.59	U	0.590	U	P
Cobalt	0.89	U	0.89	U	0.89	U	0.89	U	0.890	U	P
Copper	3.90	U	3.90	U	3.90	U	3.90	U	3.900	U	P
Iron	61.00	U	61.00	U	61.00	U	61.00	U	61.000	U	P
Lead	-2.10	J	-2.40	J	2.10	U	-2.30	J	-2.200	J	P
Magnesium	29.00	U	29.00	U	29.00	U	29.00	U	29.000	U	P
Manganese	3.70	U	3.70	U	3.70	U	3.70	U	3.700	U	P
Nickel	2.60	U	2.60	U	2.60	U	2.60	U	2.600	U	P
Potassium	200.00	U	200.00	U	200.00	U	200.00	U	200.000	U	P
Selenium	6.40	U	6.40	U	6.40	U	6.40	U	6.400	U	P
Silver	0.57	U	0.57	U	0.57	U	0.57	U	0.570	U	P
Sodium	130.00	U	130.00	U	130.00	U	196.60	J	130.000	U	P
Thallium	6.60	U	6.60	U	6.60	U	6.60	U	6.600	U	P
Vanadium	0.67	U	0.67	U	0.67	U	0.67	U	0.670	U	P
Zinc	9.40	U	9.40	U	9.40	U	9.40	U	9.400	U	P

Comments:

METALS

-3-

BLANKS

Contract: R2100574

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: MW-5

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L, ppt, or mg/kg): UG/L

Analyte	Initial Calib. Blank ug/L	C	Continuing Calibration Blank ug/L 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum			23.00	U	23.00	U					P
Antimony			4.70	U	4.70	U					P
Arsenic			5.50	U	5.50	U					P
Barium			3.00	U	3.00	U					P
Beryllium			0.13	U	0.13	U					P
Cadmium			0.35	U	0.35	U					P
Mercury			0.077	U	0.077	U					CV
Calcium			220.00	U	220.00	U					P
Chromium			0.59	U	0.59	U					P
Cobalt			0.89	U	0.89	U					P
Copper			3.90	U	3.90	U					P
Iron			61.00	U	61.00	U					P
Lead			2.10	U	2.10	U					P
Magnesium			29.00	U	29.00	U					P
Manganese			3.70	U	3.70	U					P
Nickel			2.60	U	2.60	U					P
Potassium			278.70	J	200.00	U					P
Selenium			6.40	U	6.40	U					P
Silver			0.57	U	0.57	U					P
Sodium			277.10	J	144.10	J					P
Thallium			6.60	U	6.60	U					P
Vanadium			0.67	U	0.67	U					P
Zinc			9.40	U	9.40	U					P

Comments:

METALS

-3-

BLANKS

Contract: R2100574

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: MW-5

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L, ppt, or mg/kg): UG/L

Analyte	Initial Calib. Blank ug/L	C	Continuing Calibration Blank ug/L 1	C	2	C	3	C	Preparation Blank	C	M
Sodium	130.00	U	130.00	U	130.00	U	130.00	U			P

Comments:

METALS

-3-

BLANKS

Contract: R2100574

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: MW-5

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L, ppt, or mg/kg): UG/L

Analyte	Initial Calib. Blank ug/L	C	Continuing Calibration Blank ug/L 1	C	2	C	3	C	Preparation Blank	C	M
Sodium			130.00	U	130.00	U					P

Comments:

METALS

-5A-

SPIKE SAMPLE RECOVERY

SAMPLE NO.

MW-7S

Contract: R2100574

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: MW-5

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	75 - 125	2430.00		267.00		2000.0	108		P
Antimony	75 - 125	511.00		4.70	U	500.0	102		P
Arsenic	75 - 125	45.30		6.10	J	40.0	98		P
Barium	75 - 125	2150.00		180.00		2000.0	98		P
Beryllium	75 - 125	48.50		0.13	U	50.0	97		P
Cadmium	75 - 125	46.70		0.35	U	50.0	93		P
Mercury	75 - 125	1.020		0.077	U	1.00	102		CV
Calcium		220000.00		220000.00		2000.0	0		P
Chromium	75 - 125	198.00		0.59	U	200.0	99		P
Cobalt	75 - 125	497.00		1.20	J	500.0	99		P
Copper	75 - 125	282.00		3.90	U	250.0	113		P
Iron	75 - 125	2490.00		1520.00		1000.0	97		P
Lead	75 - 125	497.00		2.10	U	500.0	99		P
Magnesium		51600.00		49800.00		2000.0	90		P
Manganese	75 - 125	534.00		50.30		500.0	97		P
Nickel	75 - 125	481.00		2.60	U	500.0	96		P
Potassium	75 - 125	30100.00		5570.00		20000.0	123		P
Selenium	75 - 125	1040.00		6.40	U	1010.0	103		P
Silver	75 - 125	54.50		0.57	U	50.0	109		P
Sodium		903000.00		913000.00		20000.0	-50		P
Thallium	75 - 125	2310.00		6.90	J	2000.0	115		P
Vanadium	75 - 125	498.00		0.67	U	500.0	100		P
Zinc	75 - 125	516.00		9.40	U	500.0	103		P

Comments: _____

METALS

-5A-

SPIKE SAMPLE RECOVERY

SAMPLE NO.

MW-7SD

Contract: R2100574

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: MW-5

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	75 - 125	2420.00		267.00		2000.0	108		P
Antimony	75 - 125	507.00		4.70	U	500.0	101		P
Arsenic	75 - 125	46.70		6.10	J	40.0	102		P
Barium	75 - 125	2140.00		180.00		2000.0	98		P
Beryllium	75 - 125	48.10		0.13	U	50.0	96		P
Cadmium	75 - 125	46.40		0.35	U	50.0	93		P
Mercury	75 - 125	1.020		0.077	U	1.00	102		CV
Calcium		219000.00		220000.00		2000.0	-50		P
Chromium	75 - 125	196.00		0.59	U	200.0	98		P
Cobalt	75 - 125	492.00		1.20	J	500.0	98		P
Copper	75 - 125	280.00		3.90	U	250.0	112		P
Iron	75 - 125	2470.00		1520.00		1000.0	95		P
Lead	75 - 125	492.00		2.10	U	500.0	98		P
Magnesium		51400.00		49800.00		2000.0	80		P
Manganese	75 - 125	529.00		50.30		500.0	96		P
Nickel	75 - 125	476.00		2.60	U	500.0	95		P
Potassium	75 - 125	29900.00		5570.00		20000.0	122		P
Selenium	75 - 125	1040.00		6.40	U	1010.0	103		P
Silver	75 - 125	53.90		0.57	U	50.0	108		P
Sodium		906000.00		913000.00		20000.0	-35		P
Thallium	75 - 125	2290.00		6.90	J	2000.0	114		P
Vanadium	75 - 125	494.00		0.67	U	500.0	99		P
Zinc	75 - 125	512.00		9.40	U	500.0	102		P

Comments: _____

METALS
-6-
DUPLICATES

SAMPLE NO.: MW-7SD

Contract: R2100574

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: MW-5

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0 % Solids for Duplicate: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		2430.00		2420.00		0		P
Antimony		511.00		507.00		1		P
Arsenic		45.30		46.70		3		P
Barium		2150.00		2140.00		0		P
Beryllium		48.50		48.10		1		P
Cadmium		46.70		46.40		1		P
Mercury		1.020		1.020		0		CV
Calcium		220000.00		219000.00		0		P
Chromium		198.00		196.00		1		P
Cobalt		497.00		492.00		1		P
Copper		282.00		280.00		1		P
Iron		2490.00		2470.00		1		P
Lead		497.00		492.00		1		P
Magnesium		51600.00		51400.00		0		P
Manganese		534.00		529.00		1		P
Nickel		481.00		476.00		1		P
Potassium		30100.00		29900.00		1		P
Selenium		1040.00		1040.00		0		P
Silver		54.50		53.90		1		P
Sodium		903000.00		906000.00		0		P
Thallium		2310.00		2290.00		1		P
Vanadium		498.00		494.00		1		P
Zinc		516.00		512.00		1		P

Comments: _____

METALS

-7-

LABORATORY CONTROL SAMPLE

Contract: R2100574

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: MW-5

Solid LCS Source: _____

Aqueous LCS Source: CPI

Analyte	Aqueous (ug/L			Solid (mg/K				
	True	Found	%R	True	Found	C	Limits	%R
Aluminum	2000	2000	100					
Antimony	500	491	98					
Arsenic	40	41	102					
Barium	2000	2070	104					
Beryllium	50	51	102					
Cadmium	50	52	104					
Mercury	1.000	1.040	104					
Calcium	2000	2060	103					
Chromium	200	206	103					
Cobalt	500	512	102					
Copper	250	246	98					
Iron	1000	1020	102					
Lead	500	511	102					
Magnesium	2000	1980	99					
Manganese	500	502	100					
Nickel	500	514	103					
Potassium	20000	19500	98					
Selenium	1010	1000	99					
Silver	50	49	98					
Sodium	20000	19900	100					
Thallium	2000	1860	93					
Vanadium	500	502	100					
Zinc	500	509	102					

Comments: _____

ATTACHMENT F

DATA USABILITY SUMMARY REPORT

ALPHA
GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

March 4, 2021

Mr. Richard D. McKenna
Project Manager
Asbestos & Environmental Consulting Corp.
6308 Fly Road
East Syracuse, New York 13057

Re: Data Usability Summary Reports
700 Outparcel - Syracuse
January 2021 Ground Water Sampling Event

Dear Mr. McKenna:

The data usability summary report (DUSR) and supporting documentation for the January 2021 ground water sampling event are attached to this letter for the 700 Outparcel. The data for ALS Environmental-Rochester Laboratory service request R2100574 are mostly acceptable, with some issues that are identified in the DUSRs and validation summaries. There is data that were rejected, unusable (R) in the data pack. The reason for rejecting data is outlined in the DUSR and QA/QC review. The data is rejected based solely on the validation guidance criteria. The rejected data may be determined to be acceptable to the user based on additional information that is not contained in the data validation criteria.

A list of data validation acronyms and qualifiers is attached to assist you in interpreting the data validation reviews. If you have any questions concerning the work performed, please contact me at (518) 348-6995. Thank you for the opportunity to assist Asbestos & Environmental Consulting Corp.

Sincerely,
Alpha Geoscience

Donald Anné
Senior Chemist

DCA:dca
attachments

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

Data Usability Summary Report for
ALS Environmental-Rochester Laboratory
Service Request: R2100574

4 Ground Water Samples, 1 Field Duplicate,
and 1 Trip Blank
Collected January 20, 2019

Prepared by: Donald Anné
March 4, 2021

The data package contained the documentation as required by NYSDEC ASP. The proper chain of custody procedures were followed by the samplers. All information appeared legible and complete. The data pack contained the results for volatile analyses for 4 ground water samples, 1 field duplicate, and 1 trip blank, and the results for semi-volatile and TAL metal analyses for 4 ground water samples and 1 field duplicate.

The overall performances of the analyses are acceptable. ALS Environmental-Rochester Laboratory did fulfill the requirements of the analytical methods.

The data are mostly acceptable with some issues that are identified in the accompanying data validation reviews. The following data were qualified:

- The "not detected" semi-volatile results for 2,4-dimethylphenol were qualified as estimated (UJ) in all 4 ground water samples and field duplicate because 2 of 2 percent recoveries for 2,4-dimethylphenol were below QC limits, but not below 30% in the associated aqueous LCS/LCSD.

- The "not detected" semi-volatile results for all target compounds were qualified as rejected, unusable (R) in samples MW-5, MW-7, MW-8, MW-9, and MW-D because the samples were re-extracted beyond USEPA SW-846 holding times and were greater than 2 times the holding time.

- The positive semi-volatile result for naphthalene was qualified estimated (J) in sample MW-8 because the sample was re-extracted beyond USEPA SW-846 holding times and was greater than 2 times the holding time.

- The "not detected" semi-volatile result for 2-chlorophenol was qualified as estimated (UJ) in sample MW-7 because 1 of 2 percent recoveries for 2-chlorophenol was below QC limits, but not below 30% in the aqueous MS/MSD sample.

679 Plank Road ● Clifton Park, New York 12065 ● (518) 348-6995 ● Fax (518) 348-6966
www.alphageoscience.com

- The positive metal results for potassium were qualified as “estimated” (J) in all 4 ground water samples and the field duplicate because %D for potassium was above the allowable maximum in the associated aqueous serial dilution sample and the results were above the PQL.

All data that are not qualified rejected, unusable (R) are considered usable with estimated (J or UJ) data associated with a higher level of quantitative uncertainty. Detailed information on data quality is included in the data validation reviews.

Qualified Data Section

Analytical Report

Client:	Asbestos & Environmental Consulting Corporation	**Service Request:**	R2100574
Project:	700 Outparcel/20-011	**Date Collected:**	01/20/21 12:17
Sample Matrix:	Water	**Date Received:**	01/21/21 09:30
Sample Name:	MW-5	**Units:**	ug/L
Lab Code:	R2100574-001	**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-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	02/01/21 15:48	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	02/01/21 15:48	
1,1,2-Trichloroethane	1.0 U	1.0	0.20	1	02/01/21 15:48	
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0 U	1.0	0.20	1	02/01/21 15:48	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	02/01/21 15:48	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	02/01/21 15:48	
1,2,3-Trichlorobenzene	1.0 U	1.0	0.25	1	02/01/21 15:48	
1,2,4-Trichlorobenzene	1.0 U	1.0	0.34	1	02/01/21 15:48	
1,2-Dibromo-3-chloropropane (DBCP)	2.0 U	2.0	0.45	1	02/01/21 15:48	
1,2-Dibromoethane	1.0 U	1.0	0.20	1	02/01/21 15:48	
1,2-Dichlorobenzene	1.0 U	1.0	0.20	1	02/01/21 15:48	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	02/01/21 15:48	
1,2-Dichloropropane	1.0 U	1.0	0.20	1	02/01/21 15:48	
1,3-Dichlorobenzene	1.0 U	1.0	0.20	1	02/01/21 15:48	
1,4-Dichlorobenzene	1.0 U	1.0	0.20	1	02/01/21 15:48	
1,4-Dioxane	40 U	40	13	1	02/01/21 15:48	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	02/01/21 15:48	
2-Hexanone	5.0 U	5.0	0.20	1	02/01/21 15:48	
4-Methyl-2-pentanone	5.0 U	5.0	0.20	1	02/01/21 15:48	
Acetone	5.0 U	5.0	5.0	1	02/01/21 15:48	
Benzene	1.0 U	1.0	0.20	1	02/01/21 15:48	
Bromochloromethane	1.0 U	1.0	0.20	1	02/01/21 15:48	
Bromodichloromethane	1.0 U	1.0	0.20	1	02/01/21 15:48	
Bromoform	1.0 U	1.0	0.25	1	02/01/21 15:48	
Bromomethane	1.0 U	1.0	0.70	1	02/01/21 15:48	
Carbon Disulfide	1.0 U	1.0	0.42	1	02/01/21 15:48	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	02/01/21 15:48	
Chlorobenzene	1.0 U	1.0	0.20	1	02/01/21 15:48	
Chloroethane	1.0 U	1.0	0.23	1	02/01/21 15:48	
Chloroform	1.0 U	1.0	0.24	1	02/01/21 15:48	
Chloromethane	1.0 U	1.0	0.28	1	02/01/21 15:48	
Cyclohexane	**0.85 J**	1.0	0.26	1	02/01/21 15:48	
Dibromochloromethane	1.0 U	1.0	0.20	1	02/01/21 15:48	
Dichlorodifluoromethane (CFC 12)	1.0 U	1.0	0.21	1	02/01/21 15:48	
Dichloromethane	1.0 U	1.0	0.65	1	02/01/21 15:48	
Ethylbenzene	1.0 U	1.0	0.20	1	02/01/21 15:48	
Isopropylbenzene (Cumene)	1.0 U	1.0	0.20	1	02/01/21 15:48	
Methyl Acetate	2.0 U	2.0	0.33	1	02/01/21 15:48	
Methyl tert-Butyl Ether	1.0 U	1.0	0.20	1	02/01/21 15:48	
Methylcyclohexane	1.0 U	1.0	0.20	1	02/01/21 15:48	
Styrene	1.0 U	1.0	0.20	1	02/01/21 15:48	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	02/01/21 15:48	
Toluene	1.0 U	1.0	0.20	1	02/01/21 15:48	

Analytical Report

Client:	Asbestos & Environmental Consulting Corporation	**Service Request:**	R2100574
Project:	700 Outparcel/20-011	**Date Collected:**	01/20/21 12:17
Sample Matrix:	Water	**Date Received:**	01/21/21 09:30
Sample Name:	MW-5	**Units:**	ug/L
Lab Code:	R2100574-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	02/01/21 15:48	
Trichlorofluoromethane (CFC 11)	1.0 U	1.0	0.24	1	02/01/21 15:48	
Vinyl Chloride	1.0 U	1.0	0.20	1	02/01/21 15:48	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	02/01/21 15:48	
cis-1,3-Dichloropropene	1.0 U	1.0	0.20	1	02/01/21 15:48	
m,p-Xylenes	2.0 U	2.0	0.20	1	02/01/21 15:48	
o-Xylene	1.0 U	1.0	0.20	1	02/01/21 15:48	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	02/01/21 15:48	
trans-1,3-Dichloropropene	1.0 U	1.0	0.23	1	02/01/21 15:48	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	96	85 - 122	02/01/21 15:48	
Dibromofluoromethane	101	80 - 116	02/01/21 15:48	
Toluene-d8	103	87 - 121	02/01/21 15:48	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

Analytical Report

Client:	Asbestos & Environmental Consulting Corporation	**Service Request:**	R2100574
Project:	700 Outparcel/20-011	**Date Collected:**	01/20/21 10:01
Sample Matrix:	Water	**Date Received:**	01/21/21 09:30
Sample Name:	MW-7	**Units:**	ug/L
Lab Code:	R2100574-002	**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-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	02/01/21 14:42	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	02/01/21 14:42	
1,1,2-Trichloroethane	1.0 U	1.0	0.20	1	02/01/21 14:42	
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0 U	1.0	0.20	1	02/01/21 14:42	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	02/01/21 14:42	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	02/01/21 14:42	
1,2,3-Trichlorobenzene	1.0 U	1.0	0.25	1	02/01/21 14:42	
1,2,4-Trichlorobenzene	1.0 U	1.0	0.34	1	02/01/21 14:42	
1,2-Dibromo-3-chloropropane (DBCP)	2.0 U	2.0	0.45	1	02/01/21 14:42	
1,2-Dibromoethane	1.0 U	1.0	0.20	1	02/01/21 14:42	
1,2-Dichlorobenzene	1.0 U	1.0	0.20	1	02/01/21 14:42	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	02/01/21 14:42	
1,2-Dichloropropane	1.0 U	1.0	0.20	1	02/01/21 14:42	
1,3-Dichlorobenzene	1.0 U	1.0	0.20	1	02/01/21 14:42	
1,4-Dichlorobenzene	1.0 U	1.0	0.20	1	02/01/21 14:42	
1,4-Dioxane	40 U	40	13	1	02/01/21 14:42	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	02/01/21 14:42	
2-Hexanone	5.0 U	5.0	0.20	1	02/01/21 14:42	
4-Methyl-2-pentanone	5.0 U	5.0	0.20	1	02/01/21 14:42	
Acetone	5.0 U	5.0	5.0	1	02/01/21 14:42	
Benzene	1.0 U	1.0	0.20	1	02/01/21 14:42	
Bromochloromethane	1.0 U	1.0	0.20	1	02/01/21 14:42	
Bromodichloromethane	1.0 U	1.0	0.20	1	02/01/21 14:42	
Bromoform	1.0 U	1.0	0.25	1	02/01/21 14:42	
Bromomethane	1.0 U	1.0	0.70	1	02/01/21 14:42	
Carbon Disulfide	1.0 U	1.0	0.42	1	02/01/21 14:42	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	02/01/21 14:42	
Chlorobenzene	1.0 U	1.0	0.20	1	02/01/21 14:42	
Chloroethane	1.0 U	1.0	0.23	1	02/01/21 14:42	
Chloroform	1.0 U	1.0	0.24	1	02/01/21 14:42	
Chloromethane	1.0 U	1.0	0.28	1	02/01/21 14:42	
Cyclohexane	1.0 U	1.0	0.26	1	02/01/21 14:42	
Dibromochloromethane	1.0 U	1.0	0.20	1	02/01/21 14:42	
Dichlorodifluoromethane (CFC 12)	1.0 U	1.0	0.21	1	02/01/21 14:42	
Dichloromethane	1.0 U	1.0	0.65	1	02/01/21 14:42	
Ethylbenzene	1.0 U	1.0	0.20	1	02/01/21 14:42	
Isopropylbenzene (Cumene)	1.0 U	1.0	0.20	1	02/01/21 14:42	
Methyl Acetate	2.0 U	2.0	0.33	1	02/01/21 14:42	
Methyl tert-Butyl Ether	1.0 U	1.0	0.20	1	02/01/21 14:42	
Methylcyclohexane	1.0 U	1.0	0.20	1	02/01/21 14:42	
Styrene	1.0 U	1.0	0.20	1	02/01/21 14:42	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	02/01/21 14:42	
Toluene	1.0 U	1.0	0.20	1	02/01/21 14:42	

Analytical Report

Client:	Asbestos & Environmental Consulting Corporation	**Service Request:**	R2100574
Project:	700 Outparcel/20-011	**Date Collected:**	01/20/21 10:01
Sample Matrix:	Water	**Date Received:**	01/21/21 09:30
Sample Name:	MW-7	**Units:**	ug/L
Lab Code:	R2100574-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	02/01/21 14:42	
Trichlorofluoromethane (CFC 11)	1.0 U	1.0	0.24	1	02/01/21 14:42	
Vinyl Chloride	1.0 U	1.0	0.20	1	02/01/21 14:42	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	02/01/21 14:42	
cis-1,3-Dichloropropene	1.0 U	1.0	0.20	1	02/01/21 14:42	
m,p-Xylenes	2.0 U	2.0	0.20	1	02/01/21 14:42	
o-Xylene	1.0 U	1.0	0.20	1	02/01/21 14:42	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	02/01/21 14:42	
trans-1,3-Dichloropropene	1.0 U	1.0	0.23	1	02/01/21 14:42	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	85 - 122	02/01/21 14:42	
Dibromofluoromethane	101	80 - 116	02/01/21 14:42	
Toluene-d8	103	87 - 121	02/01/21 14:42	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

Analytical Report

Client:	Asbestos & Environmental Consulting Corporation	**Service Request:**	R2100574
Project:	700 Outparcel/20-011	**Date Collected:**	01/20/21 15:08
Sample Matrix:	Water	**Date Received:**	01/21/21 09:30
Sample Name:	MW-8	**Units:**	ug/L
Lab Code:	R2100574-003	**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-Trichloroethane (TCA)	2.5 U	2.5	0.50	2.5	02/01/21 15:04	
1,1,2,2-Tetrachloroethane	2.5 U	2.5	0.50	2.5	02/01/21 15:04	
1,1,2-Trichloroethane	2.5 U	2.5	0.50	2.5	02/01/21 15:04	
1,1,2-Trichloro-1,2,2-trifluoroethane	2.5 U	2.5	0.50	2.5	02/01/21 15:04	
1,1-Dichloroethane (1,1-DCA)	2.5 U	2.5	0.50	2.5	02/01/21 15:04	
1,1-Dichloroethene (1,1-DCE)	2.5 U	2.5	0.50	2.5	02/01/21 15:04	
1,2,3-Trichlorobenzene	2.5 U	2.5	0.63	2.5	02/01/21 15:04	
1,2,4-Trichlorobenzene	2.5 U	2.5	0.85	2.5	02/01/21 15:04	
1,2-Dibromo-3-chloropropane (DBCP)	5.0 U	5.0	1.2	2.5	02/01/21 15:04	
1,2-Dibromoethane	2.5 U	2.5	0.50	2.5	02/01/21 15:04	
1,2-Dichlorobenzene	2.5 U	2.5	0.50	2.5	02/01/21 15:04	
1,2-Dichloroethane	2.5 U	2.5	0.50	2.5	02/01/21 15:04	
1,2-Dichloropropane	2.5 U	2.5	0.50	2.5	02/01/21 15:04	
1,3-Dichlorobenzene	2.5 U	2.5	0.50	2.5	02/01/21 15:04	
1,4-Dichlorobenzene	2.5 U	2.5	0.50	2.5	02/01/21 15:04	
1,4-Dioxane	100 U	100	33	2.5	02/01/21 15:04	
2-Butanone (MEK)	**12 J**	13	2.0	2.5	02/01/21 15:04	
2-Hexanone	13 U	13	0.50	2.5	02/01/21 15:04	
4-Methyl-2-pentanone	13 U	13	0.50	2.5	02/01/21 15:04	
Acetone	**22**	13	13	2.5	02/01/21 15:04	
Benzene	**5.2**	2.5	0.50	2.5	02/01/21 15:04	
Bromochloromethane	2.5 U	2.5	0.50	2.5	02/01/21 15:04	
Bromodichloromethane	2.5 U	2.5	0.50	2.5	02/01/21 15:04	
Bromoform	2.5 U	2.5	0.63	2.5	02/01/21 15:04	
Bromomethane	2.5 U	2.5	1.8	2.5	02/01/21 15:04	
Carbon Disulfide	2.5 U	2.5	1.1	2.5	02/01/21 15:04	
Carbon Tetrachloride	2.5 U	2.5	0.85	2.5	02/01/21 15:04	
Chlorobenzene	2.5 U	2.5	0.50	2.5	02/01/21 15:04	
Chloroethane	2.5 U	2.5	0.58	2.5	02/01/21 15:04	
Chloroform	2.5 U	2.5	0.60	2.5	02/01/21 15:04	
Chloromethane	2.5 U	2.5	0.70	2.5	02/01/21 15:04	
Cyclohexane	**120**	2.5	0.65	2.5	02/01/21 15:04	
Dibromochloromethane	2.5 U	2.5	0.50	2.5	02/01/21 15:04	
Dichlorodifluoromethane (CFC 12)	2.5 U	2.5	0.53	2.5	02/01/21 15:04	
Dichloromethane	2.5 U	2.5	1.7	2.5	02/01/21 15:04	
Ethylbenzene	**220**	2.5	0.50	2.5	02/01/21 15:04	
Isopropylbenzene (Cumene)	**37**	2.5	0.50	2.5	02/01/21 15:04	
Methyl Acetate	5.0 U	5.0	0.83	2.5	02/01/21 15:04	
Methyl tert-Butyl Ether	2.5 U	2.5	0.50	2.5	02/01/21 15:04	
Methylcyclohexane	**170**	2.5	0.50	2.5	02/01/21 15:04	
Styrene	2.5 U	2.5	0.50	2.5	02/01/21 15:04	
Tetrachloroethene (PCE)	2.5 U	2.5	0.53	2.5	02/01/21 15:04	
Toluene	**16**	2.5	0.50	2.5	02/01/21 15:04	

Analytical Report

Client:	Asbestos & Environmental Consulting Corporation	**Service Request:**	R2100574
Project:	700 Outparcel/20-011	**Date Collected:**	01/20/21 15:08
Sample Matrix:	Water	**Date Received:**	01/21/21 09:30
Sample Name:	MW-8	**Units:**	ug/L
Lab Code:	R2100574-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Trichloroethene (TCE)	2.5 U	2.5	0.50	2.5	02/01/21 15:04	
Trichlorofluoromethane (CFC 11)	2.5 U	2.5	0.60	2.5	02/01/21 15:04	
Vinyl Chloride	2.5 U	2.5	0.50	2.5	02/01/21 15:04	
cis-1,2-Dichloroethene	2.5 U	2.5	0.58	2.5	02/01/21 15:04	
cis-1,3-Dichloropropene	2.5 U	2.5	0.50	2.5	02/01/21 15:04	
m,p-Xylenes	**200**	5.0	0.50	2.5	02/01/21 15:04	
o-Xylene	**42**	2.5	0.50	2.5	02/01/21 15:04	
trans-1,2-Dichloroethene	2.5 U	2.5	0.50	2.5	02/01/21 15:04	
trans-1,3-Dichloropropene	2.5 U	2.5	0.58	2.5	02/01/21 15:04	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	107	85 - 122	02/01/21 15:04	
Dibromofluoromethane	102	80 - 116	02/01/21 15:04	
Toluene-d8	108	87 - 121	02/01/21 15:04	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

Analytical Report

Client:	Asbestos & Environmental Consulting Corporation	**Service Request:**	R2100574
Project:	700 Outparcel/20-011	**Date Collected:**	01/20/21 13:45
Sample Matrix:	Water	**Date Received:**	01/21/21 09:30
Sample Name:	MW-9	**Units:**	ug/L
Lab Code:	R2100574-004	**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-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	02/01/21 16:09	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	02/01/21 16:09	
1,1,2-Trichloroethane	1.0 U	1.0	0.20	1	02/01/21 16:09	
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0 U	1.0	0.20	1	02/01/21 16:09	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	02/01/21 16:09	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	02/01/21 16:09	
1,2,3-Trichlorobenzene	1.0 U	1.0	0.25	1	02/01/21 16:09	
1,2,4-Trichlorobenzene	1.0 U	1.0	0.34	1	02/01/21 16:09	
1,2-Dibromo-3-chloropropane (DBCP)	2.0 U	2.0	0.45	1	02/01/21 16:09	
1,2-Dibromoethane	1.0 U	1.0	0.20	1	02/01/21 16:09	
1,2-Dichlorobenzene	1.0 U	1.0	0.20	1	02/01/21 16:09	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	02/01/21 16:09	
1,2-Dichloropropane	1.0 U	1.0	0.20	1	02/01/21 16:09	
1,3-Dichlorobenzene	1.0 U	1.0	0.20	1	02/01/21 16:09	
1,4-Dichlorobenzene	1.0 U	1.0	0.20	1	02/01/21 16:09	
1,4-Dioxane	40 U	40	13	1	02/01/21 16:09	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	02/01/21 16:09	
2-Hexanone	5.0 U	5.0	0.20	1	02/01/21 16:09	
4-Methyl-2-pentanone	5.0 U	5.0	0.20	1	02/01/21 16:09	
Acetone	5.0 U	5.0	5.0	1	02/01/21 16:09	
Benzene	**0.24 J**	1.0	0.20	1	02/01/21 16:09	
Bromochloromethane	1.0 U	1.0	0.20	1	02/01/21 16:09	
Bromodichloromethane	1.0 U	1.0	0.20	1	02/01/21 16:09	
Bromoform	1.0 U	1.0	0.25	1	02/01/21 16:09	
Bromomethane	1.0 U	1.0	0.70	1	02/01/21 16:09	
Carbon Disulfide	1.0 U	1.0	0.42	1	02/01/21 16:09	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	02/01/21 16:09	
Chlorobenzene	1.0 U	1.0	0.20	1	02/01/21 16:09	
Chloroethane	1.0 U	1.0	0.23	1	02/01/21 16:09	
Chloroform	1.0 U	1.0	0.24	1	02/01/21 16:09	
Chloromethane	1.0 U	1.0	0.28	1	02/01/21 16:09	
Cyclohexane	1.0 U	1.0	0.26	1	02/01/21 16:09	
Dibromochloromethane	1.0 U	1.0	0.20	1	02/01/21 16:09	
Dichlorodifluoromethane (CFC 12)	1.0 U	1.0	0.21	1	02/01/21 16:09	
Dichloromethane	1.0 U	1.0	0.65	1	02/01/21 16:09	
Ethylbenzene	1.0 U	1.0	0.20	1	02/01/21 16:09	
Isopropylbenzene (Cumene)	**0.60 J**	1.0	0.20	1	02/01/21 16:09	
Methyl Acetate	2.0 U	2.0	0.33	1	02/01/21 16:09	
Methyl tert-Butyl Ether	1.0 U	1.0	0.20	1	02/01/21 16:09	
Methylcyclohexane	**2.3**	1.0	0.20	1	02/01/21 16:09	
Styrene	1.0 U	1.0	0.20	1	02/01/21 16:09	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	02/01/21 16:09	
Toluene	1.0 U	1.0	0.20	1	02/01/21 16:09	

Analytical Report

Client:	Asbestos & Environmental Consulting Corporation	**Service Request:**	R2100574
Project:	700 Outparcel/20-011	**Date Collected:**	01/20/21 13:45
Sample Matrix:	Water	**Date Received:**	01/21/21 09:30
Sample Name:	MW-9	**Units:**	ug/L
Lab Code:	R2100574-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	02/01/21 16:09	
Trichlorofluoromethane (CFC 11)	1.0 U	1.0	0.24	1	02/01/21 16:09	
Vinyl Chloride	1.0 U	1.0	0.20	1	02/01/21 16:09	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	02/01/21 16:09	
cis-1,3-Dichloropropene	1.0 U	1.0	0.20	1	02/01/21 16:09	
m,p-Xylenes	**0.20 J**	2.0	0.20	1	02/01/21 16:09	
o-Xylene	1.0 U	1.0	0.20	1	02/01/21 16:09	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	02/01/21 16:09	
trans-1,3-Dichloropropene	1.0 U	1.0	0.23	1	02/01/21 16:09	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85 - 122	02/01/21 16:09	
Dibromofluoromethane	98	80 - 116	02/01/21 16:09	
Toluene-d8	102	87 - 121	02/01/21 16:09	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

Analytical Report

Client:	Asbestos & Environmental Consulting Corporation	**Service Request:**	R2100574
Project:	700 Outparcel/20-011	**Date Collected:**	01/20/21
Sample Matrix:	Water	**Date Received:**	01/21/21 09:30
Sample Name:	MW-D	**Units:**	ug/L
Lab Code:	R2100574-005	**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-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	02/01/21 16:31	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	02/01/21 16:31	
1,1,2-Trichloroethane	1.0 U	1.0	0.20	1	02/01/21 16:31	
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0 U	1.0	0.20	1	02/01/21 16:31	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	02/01/21 16:31	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	02/01/21 16:31	
1,2,3-Trichlorobenzene	1.0 U	1.0	0.25	1	02/01/21 16:31	
1,2,4-Trichlorobenzene	1.0 U	1.0	0.34	1	02/01/21 16:31	
1,2-Dibromo-3-chloropropane (DBCP)	2.0 U	2.0	0.45	1	02/01/21 16:31	
1,2-Dibromoethane	1.0 U	1.0	0.20	1	02/01/21 16:31	
1,2-Dichlorobenzene	1.0 U	1.0	0.20	1	02/01/21 16:31	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	02/01/21 16:31	
1,2-Dichloropropane	1.0 U	1.0	0.20	1	02/01/21 16:31	
1,3-Dichlorobenzene	1.0 U	1.0	0.20	1	02/01/21 16:31	
1,4-Dichlorobenzene	1.0 U	1.0	0.20	1	02/01/21 16:31	
1,4-Dioxane	40 U	40	13	1	02/01/21 16:31	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	02/01/21 16:31	
2-Hexanone	5.0 U	5.0	0.20	1	02/01/21 16:31	
4-Methyl-2-pentanone	5.0 U	5.0	0.20	1	02/01/21 16:31	
Acetone	5.0 U	5.0	5.0	1	02/01/21 16:31	
Benzene	1.0 U	1.0	0.20	1	02/01/21 16:31	
Bromochloromethane	1.0 U	1.0	0.20	1	02/01/21 16:31	
Bromodichloromethane	1.0 U	1.0	0.20	1	02/01/21 16:31	
Bromoform	1.0 U	1.0	0.25	1	02/01/21 16:31	
Bromomethane	1.0 U	1.0	0.70	1	02/01/21 16:31	
Carbon Disulfide	1.0 U	1.0	0.42	1	02/01/21 16:31	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	02/01/21 16:31	
Chlorobenzene	1.0 U	1.0	0.20	1	02/01/21 16:31	
Chloroethane	1.0 U	1.0	0.23	1	02/01/21 16:31	
Chloroform	1.0 U	1.0	0.24	1	02/01/21 16:31	
Chloromethane	1.0 U	1.0	0.28	1	02/01/21 16:31	
Cyclohexane	**0.89 J**	1.0	0.26	1	02/01/21 16:31	
Dibromochloromethane	1.0 U	1.0	0.20	1	02/01/21 16:31	
Dichlorodifluoromethane (CFC 12)	1.0 U	1.0	0.21	1	02/01/21 16:31	
Dichloromethane	1.0 U	1.0	0.65	1	02/01/21 16:31	
Ethylbenzene	1.0 U	1.0	0.20	1	02/01/21 16:31	
Isopropylbenzene (Cumene)	1.0 U	1.0	0.20	1	02/01/21 16:31	
Methyl Acetate	2.0 U	2.0	0.33	1	02/01/21 16:31	
Methyl tert-Butyl Ether	1.0 U	1.0	0.20	1	02/01/21 16:31	
Methylcyclohexane	**0.69 J**	1.0	0.20	1	02/01/21 16:31	
Styrene	1.0 U	1.0	0.20	1	02/01/21 16:31	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	02/01/21 16:31	
Toluene	1.0 U	1.0	0.20	1	02/01/21 16:31	

Analytical Report

Client:	Asbestos & Environmental Consulting Corporation	**Service Request:**	R2100574
Project:	700 Outparcel/20-011	**Date Collected:**	01/20/21
Sample Matrix:	Water	**Date Received:**	01/21/21 09:30
Sample Name:	MW-D	**Units:**	ug/L
Lab Code:	R2100574-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	02/01/21 16:31	
Trichlorofluoromethane (CFC 11)	1.0 U	1.0	0.24	1	02/01/21 16:31	
Vinyl Chloride	1.0 U	1.0	0.20	1	02/01/21 16:31	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	02/01/21 16:31	
cis-1,3-Dichloropropene	1.0 U	1.0	0.20	1	02/01/21 16:31	
m,p-Xylenes	2.0 U	2.0	0.20	1	02/01/21 16:31	
o-Xylene	1.0 U	1.0	0.20	1	02/01/21 16:31	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	02/01/21 16:31	
trans-1,3-Dichloropropene	1.0 U	1.0	0.23	1	02/01/21 16:31	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	95	85 - 122	02/01/21 16:31	
Dibromofluoromethane	100	80 - 116	02/01/21 16:31	
Toluene-d8	102	87 - 121	02/01/21 16:31	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

Analytical Report

Client:	Asbestos & Environmental Consulting Corporation	**Service Request:**	R2100574
Project:	700 Outparcel/20-011	**Date Collected:**	01/20/21
Sample Matrix:	Water	**Date Received:**	01/21/21 09:30
Sample Name:	Trip Blank	**Units:**	ug/L
Lab Code:	R2100574-006	**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-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	02/01/21 14:21	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	02/01/21 14:21	
1,1,2-Trichloroethane	1.0 U	1.0	0.20	1	02/01/21 14:21	
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0 U	1.0	0.20	1	02/01/21 14:21	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	02/01/21 14:21	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	02/01/21 14:21	
1,2,3-Trichlorobenzene	1.0 U	1.0	0.25	1	02/01/21 14:21	
1,2,4-Trichlorobenzene	1.0 U	1.0	0.34	1	02/01/21 14:21	
1,2-Dibromo-3-chloropropane (DBCP)	2.0 U	2.0	0.45	1	02/01/21 14:21	
1,2-Dibromoethane	1.0 U	1.0	0.20	1	02/01/21 14:21	
1,2-Dichlorobenzene	1.0 U	1.0	0.20	1	02/01/21 14:21	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	02/01/21 14:21	
1,2-Dichloropropane	1.0 U	1.0	0.20	1	02/01/21 14:21	
1,3-Dichlorobenzene	1.0 U	1.0	0.20	1	02/01/21 14:21	
1,4-Dichlorobenzene	1.0 U	1.0	0.20	1	02/01/21 14:21	
1,4-Dioxane	40 U	40	13	1	02/01/21 14:21	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	02/01/21 14:21	
2-Hexanone	5.0 U	5.0	0.20	1	02/01/21 14:21	
4-Methyl-2-pentanone	5.0 U	5.0	0.20	1	02/01/21 14:21	
Acetone	5.0 U	5.0	5.0	1	02/01/21 14:21	
Benzene	1.0 U	1.0	0.20	1	02/01/21 14:21	
Bromochloromethane	1.0 U	1.0	0.20	1	02/01/21 14:21	
Bromodichloromethane	1.0 U	1.0	0.20	1	02/01/21 14:21	
Bromoform	1.0 U	1.0	0.25	1	02/01/21 14:21	
Bromomethane	1.0 U	1.0	0.70	1	02/01/21 14:21	
Carbon Disulfide	1.0 U	1.0	0.42	1	02/01/21 14:21	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	02/01/21 14:21	
Chlorobenzene	1.0 U	1.0	0.20	1	02/01/21 14:21	
Chloroethane	1.0 U	1.0	0.23	1	02/01/21 14:21	
Chloroform	1.0 U	1.0	0.24	1	02/01/21 14:21	
Chloromethane	1.0 U	1.0	0.28	1	02/01/21 14:21	
Cyclohexane	1.0 U	1.0	0.26	1	02/01/21 14:21	
Dibromochloromethane	1.0 U	1.0	0.20	1	02/01/21 14:21	
Dichlorodifluoromethane (CFC 12)	1.0 U	1.0	0.21	1	02/01/21 14:21	
Dichloromethane	1.0 U	1.0	0.65	1	02/01/21 14:21	
Ethylbenzene	1.0 U	1.0	0.20	1	02/01/21 14:21	
Isopropylbenzene (Cumene)	1.0 U	1.0	0.20	1	02/01/21 14:21	
Methyl Acetate	2.0 U	2.0	0.33	1	02/01/21 14:21	
Methyl tert-Butyl Ether	1.0 U	1.0	0.20	1	02/01/21 14:21	
Methylcyclohexane	1.0 U	1.0	0.20	1	02/01/21 14:21	
Styrene	1.0 U	1.0	0.20	1	02/01/21 14:21	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	02/01/21 14:21	
Toluene	1.0 U	1.0	0.20	1	02/01/21 14:21	

Analytical Report

Client:	Asbestos & Environmental Consulting Corporation	**Service Request:**	R2100574
Project:	700 Outparcel/20-011	**Date Collected:**	01/20/21
Sample Matrix:	Water	**Date Received:**	01/21/21 09:30
Sample Name:	Trip Blank	**Units:**	ug/L
Lab Code:	R2100574-006	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	02/01/21 14:21	
Trichlorofluoromethane (CFC 11)	1.0 U	1.0	0.24	1	02/01/21 14:21	
Vinyl Chloride	1.0 U	1.0	0.20	1	02/01/21 14:21	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	02/01/21 14:21	
cis-1,3-Dichloropropene	1.0 U	1.0	0.20	1	02/01/21 14:21	
m,p-Xylenes	2.0 U	2.0	0.20	1	02/01/21 14:21	
o-Xylene	1.0 U	1.0	0.20	1	02/01/21 14:21	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	02/01/21 14:21	
trans-1,3-Dichloropropene	1.0 U	1.0	0.23	1	02/01/21 14:21	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	85 - 122	02/01/21 14:21	
Dibromofluoromethane	100	80 - 116	02/01/21 14:21	
Toluene-d8	104	87 - 121	02/01/21 14:21	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

Analytical Report

Client:	Asbestos & Environmental Consulting Corporation	**Service Request:**	R2100574
Project:	700 Outparcel/20-011	**Date Collected:**	01/20/21 12:17
Sample Matrix:	Water	**Date Received:**	01/21/21 09:30
Sample Name:	MW-5	**Units:**	ug/L
Lab Code:	R2100574-001	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	9.1 U		9.1	1.2	1	01/29/21 22:04	1/27/21	
2,3,4,6-Tetrachlorophenol	9.1 U		9.1	1.2	1	01/29/21 22:04	1/27/21	
2,4,5-Trichlorophenol	9.1 U		9.1	1.1	1	01/29/21 22:04	1/27/21	
2,4,6-Trichlorophenol	9.1 U		9.1	1.4	1	01/29/21 22:04	1/27/21	
2,4-Dichlorophenol	9.1 U		9.1	1.3	1	01/29/21 22:04	1/27/21	
2,4-Dimethylphenol	9.1 U	UJ	9.1	1.4	1	01/29/21 22:04	1/27/21	
2,4-Dinitrophenol	45 U		45	20	1	01/29/21 22:04	1/27/21	
2,4-Dinitrotoluene	9.1 U		9.1	2.4	1	01/29/21 22:04	1/27/21	
2,6-Dinitrotoluene	9.1 U		9.1	1.4	1	01/29/21 22:04	1/27/21	
2-Chloronaphthalene	9.1 U		9.1	1.4	1	01/29/21 22:04	1/27/21	
2-Chlorophenol	9.1 U		9.1	1.1	1	01/29/21 22:04	1/27/21	
2-Methylnaphthalene	9.1 U		9.1	1.3	1	01/29/21 22:04	1/27/21	
2-Methylphenol	9.1 U		9.1	1.0	1	01/29/21 22:04	1/27/21	
2-Nitroaniline	9.1 U		9.1	1.4	1	01/29/21 22:04	1/27/21	
2-Nitrophenol	9.1 U		9.1	1.5	1	01/29/21 22:04	1/27/21	
3,3'-Dichlorobenzidine	9.1 U		9.1	1.2	1	01/29/21 22:04	1/27/21	
3- and 4-Methylphenol Coelution	9.1 U		9.1	1.2	1	01/29/21 22:04	1/27/21	
3-Nitroaniline	9.1 U		9.1	2.5	1	01/29/21 22:04	1/27/21	
4,6-Dinitro-2-methylphenol	45 U		45	20	1	01/29/21 22:04	1/27/21	
4-Bromophenyl Phenyl Ether	9.1 U		9.1	1.7	1	01/29/21 22:04	1/27/21	
4-Chloro-3-methylphenol	9.1 U		9.1	1.1	1	01/29/21 22:04	1/27/21	
4-Chloroaniline	9.1 U		9.1	1.0	1	01/29/21 22:04	1/27/21	
4-Chlorophenyl Phenyl Ether	9.1 U		9.1	1.5	1	01/29/21 22:04	1/27/21	
4-Nitroaniline	9.1 U		9.1	2.7	1	01/29/21 22:04	1/27/21	
4-Nitrophenol	45 U		45	6.4	1	01/29/21 22:04	1/27/21	
Acenaphthene	9.1 U		9.1	1.4	1	01/29/21 22:04	1/27/21	
Acenaphthylene	9.1 U		9.1	1.4	1	01/29/21 22:04	1/27/21	
Acetophenone	9.1 U		9.1	1.3	1	01/29/21 22:04	1/27/21	
Anthracene	9.1 U		9.1	1.3	1	01/29/21 22:04	1/27/21	
Atrazine	9.1 U		9.1	2.1	1	01/29/21 22:04	1/27/21	
Benz(a)anthracene	9.1 U		9.1	1.6	1	01/29/21 22:04	1/27/21	
Benzaldehyde	9.1 U		9.1	3.7	1	01/29/21 22:04	1/27/21	
Benzo(a)pyrene	9.1 U		9.1	1.2	1	01/29/21 22:04	1/27/21	
Benzo(b)fluoranthene	9.1 U		9.1	1.2	1	01/29/21 22:04	1/27/21	
Benzo(g,h,i)perylene	9.1 U		9.1	1.0	1	01/29/21 22:04	1/27/21	
Benzo(k)fluoranthene	9.1 U		9.1	1.3	1	01/29/21 22:04	1/27/21	
Biphenyl	9.1 U		9.1	1.4	1	01/29/21 22:04	1/27/21	
2,2'-Oxybis(1-chloropropane)	9.1 U		9.1	1.4	1	01/29/21 22:04	1/27/21	
Bis(2-chloroethoxy)methane	9.1 U		9.1	1.9	1	01/29/21 22:04	1/27/21	
Bis(2-chloroethyl) Ether	9.1 U		9.1	1.3	1	01/29/21 22:04	1/27/21	
Bis(2-ethylhexyl) Phthalate	9.1 U		9.1	7.8	1	01/29/21 22:04	1/27/21	
Butyl Benzyl Phthalate	9.1 U		9.1	1.4	1	01/29/21 22:04	1/27/21	
Caprolactam	9.1 U		9.1	1.0	1	01/29/21 22:04	1/27/21	

Analytical Report

Client:	Asbestos & Environmental Consulting Corporation	**Service Request:**	R2100574
Project:	700 Outparcel/20-011	**Date Collected:**	01/20/21 12:17
Sample Matrix:	Water	**Date Received:**	01/21/21 09:30
Sample Name:	MW-5	**Units:**	ug/L
Lab Code:	R2100574-001	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	9.1 U	9.1	1.6	1	01/29/21 22:04	1/27/21	
Chrysene	9.1 U	9.1	1.2	1	01/29/21 22:04	1/27/21	
Di-n-butyl Phthalate	9.1 U	9.1	1.7	1	01/29/21 22:04	1/27/21	
Di-n-octyl Phthalate	9.1 U	9.1	3.3	1	01/29/21 22:04	1/27/21	
Dibenz(a,h)anthracene	9.1 U	9.1	1.1	1	01/29/21 22:04	1/27/21	
Dibenzofuran	9.1 U	9.1	1.4	1	01/29/21 22:04	1/27/21	
Diethyl Phthalate	9.1 U	9.1	1.1	1	01/29/21 22:04	1/27/21	
Dimethyl Phthalate	9.1 U	9.1	1.3	1	01/29/21 22:04	1/27/21	
Fluoranthene	9.1 U	9.1	1.5	1	01/29/21 22:04	1/27/21	
Fluorene	9.1 U	9.1	1.3	1	01/29/21 22:04	1/27/21	
Hexachlorobenzene	9.1 U	9.1	1.6	1	01/29/21 22:04	1/27/21	
Hexachlorobutadiene	9.1 U	9.1	1.0	1	01/29/21 22:04	1/27/21	
Hexachlorocyclopentadiene	9.1 U	9.1	2.2	1	01/29/21 22:04	1/27/21	
Hexachloroethane	9.1 U	9.1	1.1	1	01/29/21 22:04	1/27/21	
Indeno(1,2,3-cd)pyrene	9.1 U	9.1	1.8	1	01/29/21 22:04	1/27/21	
Isophorone	9.1 U	9.1	1.4	1	01/29/21 22:04	1/27/21	
N-Nitrosodi-n-propylamine	9.1 U	9.1	1.2	1	01/29/21 22:04	1/27/21	
N-Nitrosodiphenylamine	9.1 U	9.1	2.7	1	01/29/21 22:04	1/27/21	
Naphthalene	9.1 U	9.1	1.2	1	01/29/21 22:04	1/27/21	
Nitrobenzene	9.1 U	9.1	1.5	1	01/29/21 22:04	1/27/21	
Pentachlorophenol (PCP)	45 U	45	9.7	1	01/29/21 22:04	1/27/21	
Phenanthrene	9.1 U	9.1	1.4	1	01/29/21 22:04	1/27/21	
Phenol	9.1 U	9.1	1.0	1	01/29/21 22:04	1/27/21	
Pyrene	9.1 U	9.1	1.5	1	01/29/21 22:04	1/27/21	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	33 *	35 - 141	01/29/21 22:04	*
2-Fluorobiphenyl	32	31 - 118	01/29/21 22:04	
2-Fluorophenol	27	10 - 105	01/29/21 22:04	
Nitrobenzene-d5	27 *	31 - 110	01/29/21 22:04	*
Phenol-d6	20	10 - 107	01/29/21 22:04	
Terphenyl-d14	46	10 - 165	01/29/21 22:04	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

Client:	Asbestos & Environmental Consulting Corporation	**Service Request:**	R2100574
Project:	700 Outparcel/20-011	**Date Collected:**	01/20/21 12:17
Sample Matrix:	Water	**Date Received:**	01/21/21 09:30
Sample Name:	MW-5 RE	**Units:**	ug/L
Lab Code:	R2100574-001	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	9.1 U R	9.1	1.2	1	02/09/21 20:26	2/5/21	*
2,3,4,6-Tetrachlorophenol	9.1 U R	9.1	1.2	1	02/09/21 20:26	2/5/21	*
2,4,5-Trichlorophenol	9.1 U R	9.1	1.1	1	02/09/21 20:26	2/5/21	*
2,4,6-Trichlorophenol	9.1 U R	9.1	1.4	1	02/09/21 20:26	2/5/21	*
2,4-Dichlorophenol	9.1 U R	9.1	1.3	1	02/09/21 20:26	2/5/21	*
2,4-Dimethylphenol	9.1 U R	9.1	1.4	1	02/09/21 20:26	2/5/21	*
2,4-Dinitrophenol	45 U R	45	20	1	02/09/21 20:26	2/5/21	*
2,4-Dinitrotoluene	9.1 U R	9.1	2.4	1	02/09/21 20:26	2/5/21	*
2,6-Dinitrotoluene	9.1 U R	9.1	1.4	1	02/09/21 20:26	2/5/21	*
2-Chloronaphthalene	9.1 U R	9.1	1.4	1	02/09/21 20:26	2/5/21	*
2-Chlorophenol	9.1 U R	9.1	1.1	1	02/09/21 20:26	2/5/21	*
2-Methylnaphthalene	9.1 U R	9.1	1.3	1	02/09/21 20:26	2/5/21	*
2-Methylphenol	9.1 U R	9.1	1.0	1	02/09/21 20:26	2/5/21	*
2-Nitroaniline	9.1 U R	9.1	1.4	1	02/09/21 20:26	2/5/21	*
2-Nitrophenol	9.1 U R	9.1	1.5	1	02/09/21 20:26	2/5/21	*
3,3'-Dichlorobenzidine	9.1 U R	9.1	1.2	1	02/09/21 20:26	2/5/21	*
3- and 4-Methylphenol Coelution	9.1 U R	9.1	1.2	1	02/09/21 20:26	2/5/21	*
3-Nitroaniline	9.1 U R	9.1	2.5	1	02/09/21 20:26	2/5/21	*
4,6-Dinitro-2-methylphenol	45 U R	45	20	1	02/09/21 20:26	2/5/21	*
4-Bromophenyl Phenyl Ether	9.1 U R	9.1	1.7	1	02/09/21 20:26	2/5/21	*
4-Chloro-3-methylphenol	9.1 U R	9.1	1.1	1	02/09/21 20:26	2/5/21	*
4-Chloroaniline	9.1 U R	9.1	1.0	1	02/09/21 20:26	2/5/21	*
4-Chlorophenyl Phenyl Ether	9.1 U R	9.1	1.5	1	02/09/21 20:26	2/5/21	*
4-Nitroaniline	9.1 U R	9.1	2.7	1	02/09/21 20:26	2/5/21	*
4-Nitrophenol	45 U R	45	6.4	1	02/09/21 20:26	2/5/21	*
Acenaphthene	9.1 U R	9.1	1.4	1	02/09/21 20:26	2/5/21	*
Acenaphthylene	9.1 U R	9.1	1.4	1	02/09/21 20:26	2/5/21	*
Acetophenone	9.1 U R	9.1	1.3	1	02/09/21 20:26	2/5/21	*
Anthracene	9.1 U R	9.1	1.3	1	02/09/21 20:26	2/5/21	*
Atrazine	9.1 U R	9.1	2.1	1	02/09/21 20:26	2/5/21	*
Benz(a)anthracene	9.1 U R	9.1	1.6	1	02/09/21 20:26	2/5/21	*
Benzaldehyde	9.1 U R	9.1	3.7	1	02/09/21 20:26	2/5/21	*
Benzo(a)pyrene	9.1 U R	9.1	1.2	1	02/09/21 20:26	2/5/21	*
Benzo(b)fluoranthene	9.1 U R	9.1	1.2	1	02/09/21 20:26	2/5/21	*
Benzo(g,h,i)perylene	9.1 U R	9.1	1.0	1	02/09/21 20:26	2/5/21	*
Benzo(k)fluoranthene	9.1 U R	9.1	1.3	1	02/09/21 20:26	2/5/21	*
Biphenyl	9.1 U R	9.1	1.4	1	02/09/21 20:26	2/5/21	*
2,2'-Oxybis(1-chloropropane)	9.1 U R	9.1	1.4	1	02/09/21 20:26	2/5/21	*
Bis(2-chloroethoxy)methane	9.1 U R	9.1	1.9	1	02/09/21 20:26	2/5/21	*
Bis(2-chloroethyl) Ether	9.1 U R	9.1	1.3	1	02/09/21 20:26	2/5/21	*
Bis(2-ethylhexyl) Phthalate	9.1 U R	9.1	7.8	1	02/09/21 20:26	2/5/21	*
Butyl Benzyl Phthalate	9.1 U R	9.1	1.4	1	02/09/21 20:26	2/5/21	*
Caprolactam	9.1 U R	9.1	1.0	1	02/09/21 20:26	2/5/21	*

Client:	Asbestos & Environmental Consulting Corporation	**Service Request:**	R2100574
Project:	700 Outparcel/20-011	**Date Collected:**	01/20/21 12:17
Sample Matrix:	Water	**Date Received:**	01/21/21 09:30
Sample Name:	MW-5 RE	**Units:**	ug/L
Lab Code:	R2100574-001	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	9.1 U R	9.1	1.6	1	02/09/21 20:26	2/5/21	*
Chrysene	9.1 U R	9.1	1.2	1	02/09/21 20:26	2/5/21	*
Di-n-butyl Phthalate	9.1 U R	9.1	1.7	1	02/09/21 20:26	2/5/21	*
Di-n-octyl Phthalate	9.1 U R	9.1	3.3	1	02/09/21 20:26	2/5/21	*
Dibenz(a,h)anthracene	9.1 U R	9.1	1.1	1	02/09/21 20:26	2/5/21	*
Dibenzofuran	9.1 U R	9.1	1.4	1	02/09/21 20:26	2/5/21	*
Diethyl Phthalate	9.1 U R	9.1	1.1	1	02/09/21 20:26	2/5/21	*
Dimethyl Phthalate	9.1 U R	9.1	1.3	1	02/09/21 20:26	2/5/21	*
Fluoranthene	9.1 U R	9.1	1.5	1	02/09/21 20:26	2/5/21	*
Fluorene	9.1 U R	9.1	1.3	1	02/09/21 20:26	2/5/21	*
Hexachlorobenzene	9.1 U R	9.1	1.6	1	02/09/21 20:26	2/5/21	*
Hexachlorobutadiene	9.1 U R	9.1	1.0	1	02/09/21 20:26	2/5/21	*
Hexachlorocyclopentadiene	9.1 U R	9.1	2.2	1	02/09/21 20:26	2/5/21	*
Hexachloroethane	9.1 U R	9.1	1.1	1	02/09/21 20:26	2/5/21	*
Indeno(1,2,3-cd)pyrene	9.1 U R	9.1	1.8	1	02/09/21 20:26	2/5/21	*
Isophorone	9.1 U R	9.1	1.4	1	02/09/21 20:26	2/5/21	*
N-Nitrosodi-n-propylamine	9.1 U R	9.1	1.2	1	02/09/21 20:26	2/5/21	*
N-Nitrosodiphenylamine	9.1 U R	9.1	2.7	1	02/09/21 20:26	2/5/21	*
Naphthalene	9.1 U R	9.1	1.2	1	02/09/21 20:26	2/5/21	*
Nitrobenzene	9.1 U R	9.1	1.5	1	02/09/21 20:26	2/5/21	*
Pentachlorophenol (PCP)	45 U R	45	9.7	1	02/09/21 20:26	2/5/21	*
Phenanthrene	9.1 U R	9.1	1.4	1	02/09/21 20:26	2/5/21	*
Phenol	9.1 U R	9.1	1.0	1	02/09/21 20:26	2/5/21	*
Pyrene	9.1 U R	9.1	1.5	1	02/09/21 20:26	2/5/21	*

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	80	35 - 141	02/09/21 20:26	
2-Fluorobiphenyl	46	31 - 118	02/09/21 20:26	
2-Fluorophenol	38	10 - 105	02/09/21 20:26	
Nitrobenzene-d5	47	31 - 110	02/09/21 20:26	
Phenol-d6	27	10 - 107	02/09/21 20:26	
Terphenyl-d14	117	10 - 165	02/09/21 20:26	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
000994-05-8	Butane, 2-methoxy-2-methyl-	2.23	130	JN

Analytical Report

Client:	Asbestos & Environmental Consulting Corporation	**Service Request:**	R2100574
Project:	700 Outparcel/20-011	**Date Collected:**	01/20/21 10:01
Sample Matrix:	Water	**Date Received:**	01/21/21 09:30
Sample Name:	MW-7	**Units:**	ug/L
Lab Code:	R2100574-002	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	9.1 U	9.1	1.2	1	01/29/21 22:32	1/27/21	
2,3,4,6-Tetrachlorophenol	9.1 U	9.1	1.2	1	01/29/21 22:32	1/27/21	
2,4,5-Trichlorophenol	9.1 U	9.1	1.1	1	01/29/21 22:32	1/27/21	
2,4,6-Trichlorophenol	9.1 U	9.1	1.4	1	01/29/21 22:32	1/27/21	
2,4-Dichlorophenol	9.1 U	9.1	1.3	1	01/29/21 22:32	1/27/21	
2,4-Dimethylphenol	9.1 U UJ	9.1	1.4	1	01/29/21 22:32	1/27/21	
2,4-Dinitrophenol	45 U	45	20	1	01/29/21 22:32	1/27/21	
2,4-Dinitrotoluene	9.1 U	9.1	2.4	1	01/29/21 22:32	1/27/21	
2,6-Dinitrotoluene	9.1 U	9.1	1.4	1	01/29/21 22:32	1/27/21	
2-Chloronaphthalene	9.1 U	9.1	1.4	1	01/29/21 22:32	1/27/21	
2-Chlorophenol	9.1 U UJ	9.1	1.1	1	01/29/21 22:32	1/27/21	
2-Methylnaphthalene	9.1 U	9.1	1.3	1	01/29/21 22:32	1/27/21	
2-Methylphenol	9.1 U	9.1	1.0	1	01/29/21 22:32	1/27/21	
2-Nitroaniline	9.1 U	9.1	1.4	1	01/29/21 22:32	1/27/21	
2-Nitrophenol	9.1 U	9.1	1.5	1	01/29/21 22:32	1/27/21	
3,3'-Dichlorobenzidine	9.1 U	9.1	1.2	1	01/29/21 22:32	1/27/21	
3- and 4-Methylphenol Coelution	9.1 U	9.1	1.2	1	01/29/21 22:32	1/27/21	
3-Nitroaniline	9.1 U	9.1	2.5	1	01/29/21 22:32	1/27/21	
4,6-Dinitro-2-methylphenol	45 U	45	20	1	01/29/21 22:32	1/27/21	
4-Bromophenyl Phenyl Ether	9.1 U	9.1	1.7	1	01/29/21 22:32	1/27/21	
4-Chloro-3-methylphenol	9.1 U	9.1	1.1	1	01/29/21 22:32	1/27/21	
4-Chloroaniline	9.1 U	9.1	1.0	1	01/29/21 22:32	1/27/21	
4-Chlorophenyl Phenyl Ether	9.1 U	9.1	1.5	1	01/29/21 22:32	1/27/21	
4-Nitroaniline	9.1 U	9.1	2.7	1	01/29/21 22:32	1/27/21	
4-Nitrophenol	45 U	45	6.4	1	01/29/21 22:32	1/27/21	
Acenaphthene	9.1 U	9.1	1.4	1	01/29/21 22:32	1/27/21	
Acenaphthylene	9.1 U	9.1	1.4	1	01/29/21 22:32	1/27/21	
Acetophenone	9.1 U	9.1	1.3	1	01/29/21 22:32	1/27/21	
Anthracene	9.1 U	9.1	1.3	1	01/29/21 22:32	1/27/21	
Atrazine	9.1 U	9.1	2.1	1	01/29/21 22:32	1/27/21	
Benz(a)anthracene	9.1 U	9.1	1.6	1	01/29/21 22:32	1/27/21	
Benzaldehyde	9.1 U	9.1	3.7	1	01/29/21 22:32	1/27/21	
Benzo(a)pyrene	9.1 U	9.1	1.2	1	01/29/21 22:32	1/27/21	
Benzo(b)fluoranthene	9.1 U	9.1	1.2	1	01/29/21 22:32	1/27/21	
Benzo(g,h,i)perylene	9.1 U	9.1	1.0	1	01/29/21 22:32	1/27/21	
Benzo(k)fluoranthene	9.1 U	9.1	1.3	1	01/29/21 22:32	1/27/21	
Biphenyl	9.1 U	9.1	1.4	1	01/29/21 22:32	1/27/21	
2,2'-Oxybis(1-chloropropane)	9.1 U	9.1	1.4	1	01/29/21 22:32	1/27/21	
Bis(2-chloroethoxy)methane	9.1 U	9.1	1.9	1	01/29/21 22:32	1/27/21	
Bis(2-chloroethyl) Ether	9.1 U	9.1	1.3	1	01/29/21 22:32	1/27/21	
Bis(2-ethylhexyl) Phthalate	9.1 U	9.1	7.8	1	01/29/21 22:32	1/27/21	
Butyl Benzyl Phthalate	9.1 U	9.1	1.4	1	01/29/21 22:32	1/27/21	
Caprolactam	9.1 U	9.1	1.0	1	01/29/21 22:32	1/27/21	

Analytical Report

Client:	Asbestos & Environmental Consulting Corporation	**Service Request:**	R2100574
Project:	700 Outparcel/20-011	**Date Collected:**	01/20/21 10:01
Sample Matrix:	Water	**Date Received:**	01/21/21 09:30
Sample Name:	MW-7	**Units:**	ug/L
Lab Code:	R2100574-002	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	9.1 U	9.1	1.6	1	01/29/21 22:32	1/27/21	
Chrysene	9.1 U	9.1	1.2	1	01/29/21 22:32	1/27/21	
Di-n-butyl Phthalate	9.1 U	9.1	1.7	1	01/29/21 22:32	1/27/21	
Di-n-octyl Phthalate	9.1 U	9.1	3.3	1	01/29/21 22:32	1/27/21	
Dibenz(a,h)anthracene	9.1 U	9.1	1.1	1	01/29/21 22:32	1/27/21	
Dibenzofuran	9.1 U	9.1	1.4	1	01/29/21 22:32	1/27/21	
Diethyl Phthalate	9.1 U	9.1	1.1	1	01/29/21 22:32	1/27/21	
Dimethyl Phthalate	9.1 U	9.1	1.3	1	01/29/21 22:32	1/27/21	
Fluoranthene	9.1 U	9.1	1.5	1	01/29/21 22:32	1/27/21	
Fluorene	9.1 U	9.1	1.3	1	01/29/21 22:32	1/27/21	
Hexachlorobenzene	9.1 U	9.1	1.6	1	01/29/21 22:32	1/27/21	
Hexachlorobutadiene	9.1 U	9.1	1.0	1	01/29/21 22:32	1/27/21	
Hexachlorocyclopentadiene	9.1 U	9.1	2.2	1	01/29/21 22:32	1/27/21	
Hexachloroethane	9.1 U	9.1	1.1	1	01/29/21 22:32	1/27/21	
Indeno(1,2,3-cd)pyrene	9.1 U	9.1	1.8	1	01/29/21 22:32	1/27/21	
Isophorone	9.1 U	9.1	1.4	1	01/29/21 22:32	1/27/21	
N-Nitrosodi-n-propylamine	9.1 U	9.1	1.2	1	01/29/21 22:32	1/27/21	
N-Nitrosodiphenylamine	9.1 U	9.1	2.7	1	01/29/21 22:32	1/27/21	
Naphthalene	9.1 U	9.1	1.2	1	01/29/21 22:32	1/27/21	
Nitrobenzene	9.1 U	9.1	1.5	1	01/29/21 22:32	1/27/21	
Pentachlorophenol (PCP)	45 U	45	9.7	1	01/29/21 22:32	1/27/21	
Phenanthrene	9.1 U	9.1	1.4	1	01/29/21 22:32	1/27/21	
Phenol	9.1 U	9.1	1.0	1	01/29/21 22:32	1/27/21	
Pyrene	9.1 U	9.1	1.5	1	01/29/21 22:32	1/27/21	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	69	35 - 141	01/29/21 22:32	
2-Fluorobiphenyl	50	31 - 118	01/29/21 22:32	
2-Fluorophenol	36	10 - 105	01/29/21 22:32	
Nitrobenzene-d5	45	31 - 110	01/29/21 22:32	
Phenol-d6	25	10 - 107	01/29/21 22:32	
Terphenyl-d14	74	10 - 165	01/29/21 22:32	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

Analytical Report

Client:	Asbestos & Environmental Consulting Corporation	**Service Request:**	R2100574
Project:	700 Outparcel/20-011	**Date Collected:**	01/20/21 10:01
Sample Matrix:	Water	**Date Received:**	01/21/21 09:30
Sample Name:	MW-7 RE	**Units:**	ug/L
Lab Code:	R2100574-002	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	9.1 U R	9.1	1.2	1	02/09/21 20:53	2/5/21	*
2,3,4,6-Tetrachlorophenol	9.1 U R	9.1	1.2	1	02/09/21 20:53	2/5/21	*
2,4,5-Trichlorophenol	9.1 U R	9.1	1.1	1	02/09/21 20:53	2/5/21	*
2,4,6-Trichlorophenol	9.1 U R	9.1	1.4	1	02/09/21 20:53	2/5/21	*
2,4-Dichlorophenol	9.1 U R	9.1	1.3	1	02/09/21 20:53	2/5/21	*
2,4-Dimethylphenol	9.1 U R	9.1	1.4	1	02/09/21 20:53	2/5/21	*
2,4-Dinitrophenol	45 U R	45	20	1	02/09/21 20:53	2/5/21	*
2,4-Dinitrotoluene	9.1 U R	9.1	2.4	1	02/09/21 20:53	2/5/21	*
2,6-Dinitrotoluene	9.1 U R	9.1	1.4	1	02/09/21 20:53	2/5/21	*
2-Chloronaphthalene	9.1 U R	9.1	1.4	1	02/09/21 20:53	2/5/21	*
2-Chlorophenol	9.1 U R	9.1	1.1	1	02/09/21 20:53	2/5/21	*
2-Methylnaphthalene	9.1 U R	9.1	1.3	1	02/09/21 20:53	2/5/21	*
2-Methylphenol	9.1 U R	9.1	1.0	1	02/09/21 20:53	2/5/21	*
2-Nitroaniline	9.1 U R	9.1	1.4	1	02/09/21 20:53	2/5/21	*
2-Nitrophenol	9.1 U R	9.1	1.5	1	02/09/21 20:53	2/5/21	*
3,3'-Dichlorobenzidine	9.1 U R	9.1	1.2	1	02/09/21 20:53	2/5/21	*
3- and 4-Methylphenol Coelution	9.1 U R	9.1	1.2	1	02/09/21 20:53	2/5/21	*
3-Nitroaniline	9.1 U R	9.1	2.5	1	02/09/21 20:53	2/5/21	*
4,6-Dinitro-2-methylphenol	45 U R	45	20	1	02/09/21 20:53	2/5/21	*
4-Bromophenyl Phenyl Ether	9.1 U R	9.1	1.7	1	02/09/21 20:53	2/5/21	*
4-Chloro-3-methylphenol	9.1 U R	9.1	1.1	1	02/09/21 20:53	2/5/21	*
4-Chloroaniline	9.1 U R	9.1	1.0	1	02/09/21 20:53	2/5/21	*
4-Chlorophenyl Phenyl Ether	9.1 U R	9.1	1.5	1	02/09/21 20:53	2/5/21	*
4-Nitroaniline	9.1 U R	9.1	2.7	1	02/09/21 20:53	2/5/21	*
4-Nitrophenol	45 U R	45	6.4	1	02/09/21 20:53	2/5/21	*
Acenaphthene	9.1 U R	9.1	1.4	1	02/09/21 20:53	2/5/21	*
Acenaphthylene	9.1 U R	9.1	1.4	1	02/09/21 20:53	2/5/21	*
Acetophenone	9.1 U R	9.1	1.3	1	02/09/21 20:53	2/5/21	*
Anthracene	9.1 U R	9.1	1.3	1	02/09/21 20:53	2/5/21	*
Atrazine	9.1 U R	9.1	2.1	1	02/09/21 20:53	2/5/21	*
Benz(a)anthracene	9.1 U R	9.1	1.6	1	02/09/21 20:53	2/5/21	*
Benzaldehyde	9.1 U R	9.1	3.7	1	02/09/21 20:53	2/5/21	*
Benzo(a)pyrene	9.1 U R	9.1	1.2	1	02/09/21 20:53	2/5/21	*
Benzo(b)fluoranthene	9.1 U R	9.1	1.2	1	02/09/21 20:53	2/5/21	*
Benzo(g,h,i)perylene	9.1 U R	9.1	1.0	1	02/09/21 20:53	2/5/21	*
Benzo(k)fluoranthene	9.1 U R	9.1	1.3	1	02/09/21 20:53	2/5/21	*
Biphenyl	9.1 U R	9.1	1.4	1	02/09/21 20:53	2/5/21	*
2,2'-Oxybis(1-chloropropane)	9.1 U R	9.1	1.4	1	02/09/21 20:53	2/5/21	*
Bis(2-chloroethoxy)methane	9.1 U R	9.1	1.9	1	02/09/21 20:53	2/5/21	*
Bis(2-chloroethyl) Ether	9.1 U R	9.1	1.3	1	02/09/21 20:53	2/5/21	*
Bis(2-ethylhexyl) Phthalate	9.1 U R	9.1	7.8	1	02/09/21 20:53	2/5/21	*
Butyl Benzyl Phthalate	9.1 U R	9.1	1.4	1	02/09/21 20:53	2/5/21	*
Caprolactam	9.1 U R	9.1	1.0	1	02/09/21 20:53	2/5/21	*

Client:	Asbestos & Environmental Consulting Corporation	**Service Request:**	R2100574
Project:	700 Outparcel/20-011	**Date Collected:**	01/20/21 10:01
Sample Matrix:	Water	**Date Received:**	01/21/21 09:30
Sample Name:	MW-7 RE	**Units:**	ug/L
Lab Code:	R2100574-002	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	9.1 U R	9.1	1.6	1	02/09/21 20:53	2/5/21	*
Chrysene	9.1 U R	9.1	1.2	1	02/09/21 20:53	2/5/21	*
Di-n-butyl Phthalate	9.1 U R	9.1	1.7	1	02/09/21 20:53	2/5/21	*
Di-n-octyl Phthalate	9.1 U R	9.1	3.3	1	02/09/21 20:53	2/5/21	*
Dibenz(a,h)anthracene	9.1 U R	9.1	1.1	1	02/09/21 20:53	2/5/21	*
Dibenzofuran	9.1 U R	9.1	1.4	1	02/09/21 20:53	2/5/21	*
Diethyl Phthalate	9.1 U R	9.1	1.1	1	02/09/21 20:53	2/5/21	*
Dimethyl Phthalate	9.1 U R	9.1	1.3	1	02/09/21 20:53	2/5/21	*
Fluoranthene	9.1 U R	9.1	1.5	1	02/09/21 20:53	2/5/21	*
Fluorene	9.1 U R	9.1	1.3	1	02/09/21 20:53	2/5/21	*
Hexachlorobenzene	9.1 U R	9.1	1.6	1	02/09/21 20:53	2/5/21	*
Hexachlorobutadiene	9.1 U R	9.1	1.0	1	02/09/21 20:53	2/5/21	*
Hexachlorocyclopentadiene	9.1 U R	9.1	2.2	1	02/09/21 20:53	2/5/21	*
Hexachloroethane	9.1 U R	9.1	1.1	1	02/09/21 20:53	2/5/21	*
Indeno(1,2,3-cd)pyrene	9.1 U R	9.1	1.8	1	02/09/21 20:53	2/5/21	*
Isophorone	9.1 U R	9.1	1.4	1	02/09/21 20:53	2/5/21	*
N-Nitrosodi-n-propylamine	9.1 U R	9.1	1.2	1	02/09/21 20:53	2/5/21	*
N-Nitrosodiphenylamine	9.1 U R	9.1	2.7	1	02/09/21 20:53	2/5/21	*
Naphthalene	9.1 U R	9.1	1.2	1	02/09/21 20:53	2/5/21	*
Nitrobenzene	9.1 U R	9.1	1.5	1	02/09/21 20:53	2/5/21	*
Pentachlorophenol (PCP)	45 U R	45	9.7	1	02/09/21 20:53	2/5/21	*
Phenanthrene	9.1 U R	9.1	1.4	1	02/09/21 20:53	2/5/21	*
Phenol	9.1 U R	9.1	1.0	1	02/09/21 20:53	2/5/21	*
Pyrene	9.1 U R	9.1	1.5	1	02/09/21 20:53	2/5/21	*

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	106	35 - 141	02/09/21 20:53	
2-Fluorobiphenyl	72	31 - 118	02/09/21 20:53	
2-Fluorophenol	46	10 - 105	02/09/21 20:53	
Nitrobenzene-d5	73	31 - 110	02/09/21 20:53	
Phenol-d6	29	10 - 107	02/09/21 20:53	
Terphenyl-d14	115	10 - 165	02/09/21 20:53	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	unknown	2.22	140	J
	unknown	3.00	5.1	J
	unknown	3.44	3.6	J

Analytical Report

Client:	Asbestos & Environmental Consulting Corporation	**Service Request:**	R2100574
Project:	700 Outparcel/20-011	**Date Collected:**	01/20/21 15:08
Sample Matrix:	Water	**Date Received:**	01/21/21 09:30
Sample Name:	MW-8	**Units:**	ug/L
Lab Code:	R2100574-003	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	9.1 U	9.1	1.2	1	01/29/21 23:55	1/27/21	
2,3,4,6-Tetrachlorophenol	9.1 U	9.1	1.2	1	01/29/21 23:55	1/27/21	
2,4,5-Trichlorophenol	9.1 U	9.1	1.1	1	01/29/21 23:55	1/27/21	
2,4,6-Trichlorophenol	9.1 U	9.1	1.4	1	01/29/21 23:55	1/27/21	
2,4-Dichlorophenol	9.1 U	9.1	1.3	1	01/29/21 23:55	1/27/21	
2,4-Dimethylphenol	9.1 U UJ	9.1	1.4	1	01/29/21 23:55	1/27/21	
2,4-Dinitrophenol	45 U	45	20	1	01/29/21 23:55	1/27/21	
2,4-Dinitrotoluene	9.1 U	9.1	2.4	1	01/29/21 23:55	1/27/21	
2,6-Dinitrotoluene	9.1 U	9.1	1.4	1	01/29/21 23:55	1/27/21	
2-Chloronaphthalene	9.1 U	9.1	1.4	1	01/29/21 23:55	1/27/21	
2-Chlorophenol	9.1 U	9.1	1.1	1	01/29/21 23:55	1/27/21	
2-Methylnaphthalene	9.1 U	9.1	1.3	1	01/29/21 23:55	1/27/21	
2-Methylphenol	9.1 U	9.1	1.0	1	01/29/21 23:55	1/27/21	
2-Nitroaniline	9.1 U	9.1	1.4	1	01/29/21 23:55	1/27/21	
2-Nitrophenol	9.1 U	9.1	1.5	1	01/29/21 23:55	1/27/21	
3,3'-Dichlorobenzidine	9.1 U	9.1	1.2	1	01/29/21 23:55	1/27/21	
3- and 4-Methylphenol Coelution	9.1 U	9.1	1.2	1	01/29/21 23:55	1/27/21	
3-Nitroaniline	9.1 U	9.1	2.5	1	01/29/21 23:55	1/27/21	
4,6-Dinitro-2-methylphenol	45 U	45	20	1	01/29/21 23:55	1/27/21	
4-Bromophenyl Phenyl Ether	9.1 U	9.1	1.7	1	01/29/21 23:55	1/27/21	
4-Chloro-3-methylphenol	9.1 U	9.1	1.1	1	01/29/21 23:55	1/27/21	
4-Chloroaniline	9.1 U	9.1	1.0	1	01/29/21 23:55	1/27/21	
4-Chlorophenyl Phenyl Ether	9.1 U	9.1	1.5	1	01/29/21 23:55	1/27/21	
4-Nitroaniline	9.1 U	9.1	2.7	1	01/29/21 23:55	1/27/21	
4-Nitrophenol	45 U	45	6.4	1	01/29/21 23:55	1/27/21	
Acenaphthene	9.1 U	9.1	1.4	1	01/29/21 23:55	1/27/21	
Acenaphthylene	9.1 U	9.1	1.4	1	01/29/21 23:55	1/27/21	
Acetophenone	9.1 U	9.1	1.3	1	01/29/21 23:55	1/27/21	
Anthracene	9.1 U	9.1	1.3	1	01/29/21 23:55	1/27/21	
Atrazine	9.1 U	9.1	2.1	1	01/29/21 23:55	1/27/21	
Benz(a)anthracene	9.1 U	9.1	1.6	1	01/29/21 23:55	1/27/21	
Benzaldehyde	9.1 U	9.1	3.7	1	01/29/21 23:55	1/27/21	
Benzo(a)pyrene	9.1 U	9.1	1.2	1	01/29/21 23:55	1/27/21	
Benzo(b)fluoranthene	9.1 U	9.1	1.2	1	01/29/21 23:55	1/27/21	
Benzo(g,h,i)perylene	9.1 U	9.1	1.0	1	01/29/21 23:55	1/27/21	
Benzo(k)fluoranthene	9.1 U	9.1	1.3	1	01/29/21 23:55	1/27/21	
Biphenyl	9.1 U	9.1	1.4	1	01/29/21 23:55	1/27/21	
2,2'-Oxybis(1-chloropropane)	9.1 U	9.1	1.4	1	01/29/21 23:55	1/27/21	
Bis(2-chloroethoxy)methane	9.1 U	9.1	1.9	1	01/29/21 23:55	1/27/21	
Bis(2-chloroethyl) Ether	9.1 U	9.1	1.3	1	01/29/21 23:55	1/27/21	
Bis(2-ethylhexyl) Phthalate	**12**	9.1	7.8	1	01/29/21 23:55	1/27/21	
Butyl Benzyl Phthalate	9.1 U	9.1	1.4	1	01/29/21 23:55	1/27/21	
Caprolactam	9.1 U	9.1	1.0	1	01/29/21 23:55	1/27/21	

Analytical Report

Client:	Asbestos & Environmental Consulting Corporation	**Service Request:**	R2100574
Project:	700 Outparcel/20-011	**Date Collected:**	01/20/21 15:08
Sample Matrix:	Water	**Date Received:**	01/21/21 09:30
Sample Name:	MW-8	**Units:**	ug/L
Lab Code:	R2100574-003	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	9.1 U	9.1	1.6	1	01/29/21 23:55	1/27/21	
Chrysene	9.1 U	9.1	1.2	1	01/29/21 23:55	1/27/21	
Di-n-butyl Phthalate	9.1 U	9.1	1.7	1	01/29/21 23:55	1/27/21	
Di-n-octyl Phthalate	9.1 U	9.1	3.3	1	01/29/21 23:55	1/27/21	
Dibenz(a,h)anthracene	9.1 U	9.1	1.1	1	01/29/21 23:55	1/27/21	
Dibenzofuran	9.1 U	9.1	1.4	1	01/29/21 23:55	1/27/21	
Diethyl Phthalate	9.1 U	9.1	1.1	1	01/29/21 23:55	1/27/21	
Dimethyl Phthalate	9.1 U	9.1	1.3	1	01/29/21 23:55	1/27/21	
Fluoranthene	9.1 U	9.1	1.5	1	01/29/21 23:55	1/27/21	
Fluorene	9.1 U	9.1	1.3	1	01/29/21 23:55	1/27/21	
Hexachlorobenzene	9.1 U	9.1	1.6	1	01/29/21 23:55	1/27/21	
Hexachlorobutadiene	9.1 U	9.1	1.0	1	01/29/21 23:55	1/27/21	
Hexachlorocyclopentadiene	9.1 U	9.1	2.2	1	01/29/21 23:55	1/27/21	
Hexachloroethane	9.1 U	9.1	1.1	1	01/29/21 23:55	1/27/21	
Indeno(1,2,3-cd)pyrene	9.1 U	9.1	1.8	1	01/29/21 23:55	1/27/21	
Isophorone	9.1 U	9.1	1.4	1	01/29/21 23:55	1/27/21	
N-Nitrosodi-n-propylamine	9.1 U	9.1	1.2	1	01/29/21 23:55	1/27/21	
N-Nitrosodiphenylamine	9.1 U	9.1	2.7	1	01/29/21 23:55	1/27/21	
Naphthalene	9.1 U	9.1	1.2	1	01/29/21 23:55	1/27/21	
Nitrobenzene	9.1 U	9.1	1.5	1	01/29/21 23:55	1/27/21	
Pentachlorophenol (PCP)	45 U	45	9.7	1	01/29/21 23:55	1/27/21	
Phenanthrene	9.1 U	9.1	1.4	1	01/29/21 23:55	1/27/21	
Phenol	9.1 U	9.1	1.0	1	01/29/21 23:55	1/27/21	
Pyrene	9.1 U	9.1	1.5	1	01/29/21 23:55	1/27/21	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	69	35 - 141	01/29/21 23:55	
2-Fluorobiphenyl	64	31 - 118	01/29/21 23:55	
2-Fluorophenol	37	10 - 105	01/29/21 23:55	
Nitrobenzene-d5	62	31 - 110	01/29/21 23:55	
Phenol-d6	25	10 - 107	01/29/21 23:55	
Terphenyl-d14	55	10 - 165	01/29/21 23:55	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	unknown	12.04	37	J
	unknown	3.29	26	J
	unknown	4.05	34	J
	unknown hydrocarbon	4.08	26	J
	unknown	4.28	68	J
	unknown	4.31	34	J

Analytical Report

Client:	Asbestos & Environmental Consulting Corporation	**Service Request:**	R2100574
Project:	700 Outparcel/20-011	**Date Collected:**	01/20/21 15:08
Sample Matrix:	Water	**Date Received:**	01/21/21 09:30
Sample Name:	MW-8	**Units:**	ug/L
Lab Code:	R2100574-003	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
000620-14-4	Benzene, 1-ethyl-3-methyl-	4.44	67	JN
000108-67-8	Benzene, 1,3,5-trimethyl-	4.56	200	JN
	unknown	4.81	34	J
	unknown	4.86	27	J
000141-93-5	Benzene, 1,3-diethyl-	4.92	26	JN
	unknown	4.94	37	J
000105-05-5	Benzene, 1,4-diethyl-	4.98	85	JN
	unknown	5.28	40	J
000934-74-7	Benzene, 1-ethyl-3,5-dimethyl-	5.41	30	JN
	unknown	5.57	35	J
	unknown	5.63	47	J
	unknown	5.70	32	J

Analytical Report

Client:	Asbestos & Environmental Consulting Corporation	**Service Request:**	R2100574
Project:	700 Outparcel/20-011	**Date Collected:**	01/20/21 15:08
Sample Matrix:	Water	**Date Received:**	01/21/21 09:30
Sample Name:	MW-8 RE	**Units:**	ug/L
Lab Code:	R2100574-003	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	9.1 U R	9.1	1.2	1	02/09/21 22:14	2/5/21	*
2,3,4,6-Tetrachlorophenol	9.1 U R	9.1	1.2	1	02/09/21 22:14	2/5/21	*
2,4,5-Trichlorophenol	9.1 U R	9.1	1.1	1	02/09/21 22:14	2/5/21	*
2,4,6-Trichlorophenol	9.1 U R	9.1	1.4	1	02/09/21 22:14	2/5/21	*
2,4-Dichlorophenol	9.1 U R	9.1	1.3	1	02/09/21 22:14	2/5/21	*
2,4-Dimethylphenol	9.1 U R	9.1	1.4	1	02/09/21 22:14	2/5/21	*
2,4-Dinitrophenol	45 U R	45	20	1	02/09/21 22:14	2/5/21	*
2,4-Dinitrotoluene	9.1 U R	9.1	2.4	1	02/09/21 22:14	2/5/21	*
2,6-Dinitrotoluene	9.1 U R	9.1	1.4	1	02/09/21 22:14	2/5/21	*
2-Chloronaphthalene	9.1 U R	9.1	1.4	1	02/09/21 22:14	2/5/21	*
2-Chlorophenol	9.1 U R	9.1	1.1	1	02/09/21 22:14	2/5/21	*
2-Methylnaphthalene	9.1 U R	9.1	1.3	1	02/09/21 22:14	2/5/21	*
2-Methylphenol	9.1 U R	9.1	1.0	1	02/09/21 22:14	2/5/21	*
2-Nitroaniline	9.1 U R	9.1	1.4	1	02/09/21 22:14	2/5/21	*
2-Nitrophenol	9.1 U R	9.1	1.5	1	02/09/21 22:14	2/5/21	*
3,3'-Dichlorobenzidine	9.1 U R	9.1	1.2	1	02/09/21 22:14	2/5/21	*
3- and 4-Methylphenol Coelution	9.1 U R	9.1	1.2	1	02/09/21 22:14	2/5/21	*
3-Nitroaniline	9.1 U R	9.1	2.5	1	02/09/21 22:14	2/5/21	*
4,6-Dinitro-2-methylphenol	45 U R	45	20	1	02/09/21 22:14	2/5/21	*
4-Bromophenyl Phenyl Ether	9.1 U R	9.1	1.7	1	02/09/21 22:14	2/5/21	*
4-Chloro-3-methylphenol	9.1 U R	9.1	1.1	1	02/09/21 22:14	2/5/21	*
4-Chloroaniline	9.1 U R	9.1	1.0	1	02/09/21 22:14	2/5/21	*
4-Chlorophenyl Phenyl Ether	9.1 U R	9.1	1.5	1	02/09/21 22:14	2/5/21	*
4-Nitroaniline	9.1 U R	9.1	2.7	1	02/09/21 22:14	2/5/21	*
4-Nitrophenol	45 U R	45	6.4	1	02/09/21 22:14	2/5/21	*
Acenaphthene	9.1 U R	9.1	1.4	1	02/09/21 22:14	2/5/21	*
Acenaphthylene	9.1 U R	9.1	1.4	1	02/09/21 22:14	2/5/21	*
Acetophenone	9.1 U R	9.1	1.3	1	02/09/21 22:14	2/5/21	*
Anthracene	9.1 U R	9.1	1.3	1	02/09/21 22:14	2/5/21	*
Atrazine	9.1 U R	9.1	2.1	1	02/09/21 22:14	2/5/21	*
Benz(a)anthracene	9.1 U R	9.1	1.6	1	02/09/21 22:14	2/5/21	*
Benzaldehyde	9.1 U R	9.1	3.7	1	02/09/21 22:14	2/5/21	*
Benzo(a)pyrene	9.1 U R	9.1	1.2	1	02/09/21 22:14	2/5/21	*
Benzo(b)fluoranthene	9.1 U R	9.1	1.2	1	02/09/21 22:14	2/5/21	*
Benzo(g,h,i)perylene	9.1 U R	9.1	1.0	1	02/09/21 22:14	2/5/21	*
Benzo(k)fluoranthene	9.1 U R	9.1	1.3	1	02/09/21 22:14	2/5/21	*
Biphenyl	9.1 U R	9.1	1.4	1	02/09/21 22:14	2/5/21	*
2,2'-Oxybis(1-chloropropane)	9.1 U R	9.1	1.4	1	02/09/21 22:14	2/5/21	*
Bis(2-chloroethoxy)methane	9.1 U R	9.1	1.9	1	02/09/21 22:14	2/5/21	*
Bis(2-chloroethyl) Ether	9.1 U R	9.1	1.3	1	02/09/21 22:14	2/5/21	*
Bis(2-ethylhexyl) Phthalate	9.1 U R	9.1	7.8	1	02/09/21 22:14	2/5/21	*
Butyl Benzyl Phthalate	9.1 U R	9.1	1.4	1	02/09/21 22:14	2/5/21	*
Caprolactam	9.1 U R	9.1	1.0	1	02/09/21 22:14	2/5/21	*

Client:	Asbestos & Environmental Consulting Corporation	**Service Request:**	R2100574
Project:	700 Outparcel/20-011	**Date Collected:**	01/20/21 15:08
Sample Matrix:	Water	**Date Received:**	01/21/21 09:30
Sample Name:	MW-8 RE	**Units:**	ug/L
Lab Code:	R2100574-003	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	9.1 U R	9.1	1.6	1	02/09/21 22:14	2/5/21	*
Chrysene	9.1 U R	9.1	1.2	1	02/09/21 22:14	2/5/21	*
Di-n-butyl Phthalate	9.1 U R	9.1	1.7	1	02/09/21 22:14	2/5/21	*
Di-n-octyl Phthalate	9.1 U R	9.1	3.3	1	02/09/21 22:14	2/5/21	*
Dibenz(a,h)anthracene	9.1 U R	9.1	1.1	1	02/09/21 22:14	2/5/21	*
Dibenzofuran	9.1 U R	9.1	1.4	1	02/09/21 22:14	2/5/21	*
Diethyl Phthalate	9.1 U R	9.1	1.1	1	02/09/21 22:14	2/5/21	*
Dimethyl Phthalate	9.1 U R	9.1	1.3	1	02/09/21 22:14	2/5/21	*
Fluoranthene	9.1 U R	9.1	1.5	1	02/09/21 22:14	2/5/21	*
Fluorene	9.1 U R	9.1	1.3	1	02/09/21 22:14	2/5/21	*
Hexachlorobenzene	9.1 U R	9.1	1.6	1	02/09/21 22:14	2/5/21	*
Hexachlorobutadiene	9.1 U R	9.1	1.0	1	02/09/21 22:14	2/5/21	*
Hexachlorocyclopentadiene	9.1 U R	9.1	2.2	1	02/09/21 22:14	2/5/21	*
Hexachloroethane	9.1 U R	9.1	1.1	1	02/09/21 22:14	2/5/21	*
Indeno(1,2,3-cd)pyrene	9.1 U R	9.1	1.8	1	02/09/21 22:14	2/5/21	*
Isophorone	9.1 U R	9.1	1.4	1	02/09/21 22:14	2/5/21	*
N-Nitrosodi-n-propylamine	9.1 U R	9.1	1.2	1	02/09/21 22:14	2/5/21	*
N-Nitrosodiphenylamine	9.1 U R	9.1	2.7	1	02/09/21 22:14	2/5/21	*
Naphthalene	**2.3 J J**	9.1	1.2	1	02/09/21 22:14	2/5/21	*
Nitrobenzene	9.1 U R	9.1	1.5	1	02/09/21 22:14	2/5/21	*
Pentachlorophenol (PCP)	45 U R	45	9.7	1	02/09/21 22:14	2/5/21	*
Phenanthrene	9.1 U R	9.1	1.4	1	02/09/21 22:14	2/5/21	*
Phenol	9.1 U R	9.1	1.0	1	02/09/21 22:14	2/5/21	*
Pyrene	9.1 U R	9.1	1.5	1	02/09/21 22:14	2/5/21	*

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	103	35 - 141	02/09/21 22:14	
2-Fluorobiphenyl	62	31 - 118	02/09/21 22:14	
2-Fluorophenol	44	10 - 105	02/09/21 22:14	
Nitrobenzene-d5	72	31 - 110	02/09/21 22:14	
Phenol-d6	30	10 - 107	02/09/21 22:14	
Terphenyl-d14	91	10 - 165	02/09/21 22:14	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	unknown	2.22	120	J
	unknown	2.77	18	J
002808-76-6	1,3-Dimethyl-1-cyclohexene	3.21	21	JN
	unknown	3.63	61	J
000108-38-3	Benzene, 1,3-dimethyl-	3.87	19	JN
	unknown	4.32	28	J

Analytical Report

Client:	Asbestos & Environmental Consulting Corporation	**Service Request:**	R2100574
Project:	700 Outparcel/20-011	**Date Collected:**	01/20/21 15:08
Sample Matrix:	Water	**Date Received:**	01/21/21 09:30
Sample Name:	MW-8	**Units:**	ug/L
Lab Code:	R2100574-003	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
000611-14-3	Benzene, 1-ethyl-2-methyl-	4.49	53	JN
000526-73-8	Benzene, 1,2,3-trimethyl-	4.60	160	JN
	unknown	4.87	18	J
	unknown	4.91	26	J
	unknown	4.98	24	J
000135-01-3	Benzene, 1,2-diethyl-	5.03	41	JN
	unknown	5.10	20	J
001758-88-9	Benzene, 2-ethyl-1,4-dimethyl-	5.16	20	JN
000874-41-9	Benzene, 1-ethyl-2,4-dimethyl-	5.18	18	JN
000095-93-2	Benzene, 1,2,4,5-tetramethyl-	5.43	24	JN
000488-23-3	Benzene, 1,2,3,4-tetramethyl-	5.46	21	JN
	unknown	5.61	19	J
	unknown	5.67	40	J
	unknown	5.74	20	J

Analytical Report

Client:	Asbestos & Environmental Consulting Corporation	**Service Request:**	R2100574
Project:	700 Outparcel/20-011	**Date Collected:**	01/20/21 13:45
Sample Matrix:	Water	**Date Received:**	01/21/21 09:30
Sample Name:	MW-9	**Units:**	ug/L
Lab Code:	R2100574-004	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	9.1 U	9.1	1.2	1	01/30/21 00:23	1/27/21	
2,3,4,6-Tetrachlorophenol	9.1 U	9.1	1.2	1	01/30/21 00:23	1/27/21	
2,4,5-Trichlorophenol	9.1 U	9.1	1.1	1	01/30/21 00:23	1/27/21	
2,4,6-Trichlorophenol	9.1 U	9.1	1.4	1	01/30/21 00:23	1/27/21	
2,4-Dichlorophenol	9.1 U	9.1	1.3	1	01/30/21 00:23	1/27/21	
2,4-Dimethylphenol	9.1 U UJ	9.1	1.4	1	01/30/21 00:23	1/27/21	
2,4-Dinitrophenol	45 U	45	20	1	01/30/21 00:23	1/27/21	
2,4-Dinitrotoluene	9.1 U	9.1	2.4	1	01/30/21 00:23	1/27/21	
2,6-Dinitrotoluene	9.1 U	9.1	1.4	1	01/30/21 00:23	1/27/21	
2-Chloronaphthalene	9.1 U	9.1	1.4	1	01/30/21 00:23	1/27/21	
2-Chlorophenol	9.1 U	9.1	1.1	1	01/30/21 00:23	1/27/21	
2-Methylnaphthalene	9.1 U	9.1	1.3	1	01/30/21 00:23	1/27/21	
2-Methylphenol	9.1 U	9.1	1.0	1	01/30/21 00:23	1/27/21	
2-Nitroaniline	9.1 U	9.1	1.4	1	01/30/21 00:23	1/27/21	
2-Nitrophenol	9.1 U	9.1	1.5	1	01/30/21 00:23	1/27/21	
3,3'-Dichlorobenzidine	9.1 U	9.1	1.2	1	01/30/21 00:23	1/27/21	
3- and 4-Methylphenol Coelution	9.1 U	9.1	1.2	1	01/30/21 00:23	1/27/21	
3-Nitroaniline	9.1 U	9.1	2.5	1	01/30/21 00:23	1/27/21	
4,6-Dinitro-2-methylphenol	45 U	45	20	1	01/30/21 00:23	1/27/21	
4-Bromophenyl Phenyl Ether	9.1 U	9.1	1.7	1	01/30/21 00:23	1/27/21	
4-Chloro-3-methylphenol	9.1 U	9.1	1.1	1	01/30/21 00:23	1/27/21	
4-Chloroaniline	9.1 U	9.1	1.0	1	01/30/21 00:23	1/27/21	
4-Chlorophenyl Phenyl Ether	9.1 U	9.1	1.5	1	01/30/21 00:23	1/27/21	
4-Nitroaniline	9.1 U	9.1	2.7	1	01/30/21 00:23	1/27/21	
4-Nitrophenol	45 U	45	6.4	1	01/30/21 00:23	1/27/21	
Acenaphthene	9.1 U	9.1	1.4	1	01/30/21 00:23	1/27/21	
Acenaphthylene	9.1 U	9.1	1.4	1	01/30/21 00:23	1/27/21	
Acetophenone	9.1 U	9.1	1.3	1	01/30/21 00:23	1/27/21	
Anthracene	9.1 U	9.1	1.3	1	01/30/21 00:23	1/27/21	
Atrazine	9.1 U	9.1	2.1	1	01/30/21 00:23	1/27/21	
Benz(a)anthracene	9.1 U	9.1	1.6	1	01/30/21 00:23	1/27/21	
Benzaldehyde	9.1 U	9.1	3.7	1	01/30/21 00:23	1/27/21	
Benzo(a)pyrene	9.1 U	9.1	1.2	1	01/30/21 00:23	1/27/21	
Benzo(b)fluoranthene	9.1 U	9.1	1.2	1	01/30/21 00:23	1/27/21	
Benzo(g,h,i)perylene	9.1 U	9.1	1.0	1	01/30/21 00:23	1/27/21	
Benzo(k)fluoranthene	9.1 U	9.1	1.3	1	01/30/21 00:23	1/27/21	
Biphenyl	9.1 U	9.1	1.4	1	01/30/21 00:23	1/27/21	
2,2'-Oxybis(1-chloropropane)	9.1 U	9.1	1.4	1	01/30/21 00:23	1/27/21	
Bis(2-chloroethoxy)methane	9.1 U	9.1	1.9	1	01/30/21 00:23	1/27/21	
Bis(2-chloroethyl) Ether	9.1 U	9.1	1.3	1	01/30/21 00:23	1/27/21	
Bis(2-ethylhexyl) Phthalate	9.1 U	9.1	7.8	1	01/30/21 00:23	1/27/21	
Butyl Benzyl Phthalate	9.1 U	9.1	1.4	1	01/30/21 00:23	1/27/21	
Caprolactam	9.1 U	9.1	1.0	1	01/30/21 00:23	1/27/21	

Analytical Report

Client:	Asbestos & Environmental Consulting Corporation	**Service Request:**	R2100574
Project:	700 Outparcel/20-011	**Date Collected:**	01/20/21 13:45
Sample Matrix:	Water	**Date Received:**	01/21/21 09:30
Sample Name:	MW-9	**Units:**	ug/L
Lab Code:	R2100574-004	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	9.1 U	9.1	1.6	1	01/30/21 00:23	1/27/21	
Chrysene	9.1 U	9.1	1.2	1	01/30/21 00:23	1/27/21	
Di-n-butyl Phthalate	9.1 U	9.1	1.7	1	01/30/21 00:23	1/27/21	
Di-n-octyl Phthalate	9.1 U	9.1	3.3	1	01/30/21 00:23	1/27/21	
Dibenz(a,h)anthracene	9.1 U	9.1	1.1	1	01/30/21 00:23	1/27/21	
Dibenzofuran	9.1 U	9.1	1.4	1	01/30/21 00:23	1/27/21	
Diethyl Phthalate	9.1 U	9.1	1.1	1	01/30/21 00:23	1/27/21	
Dimethyl Phthalate	9.1 U	9.1	1.3	1	01/30/21 00:23	1/27/21	
Fluoranthene	9.1 U	9.1	1.5	1	01/30/21 00:23	1/27/21	
Fluorene	9.1 U	9.1	1.3	1	01/30/21 00:23	1/27/21	
Hexachlorobenzene	9.1 U	9.1	1.6	1	01/30/21 00:23	1/27/21	
Hexachlorobutadiene	9.1 U	9.1	1.0	1	01/30/21 00:23	1/27/21	
Hexachlorocyclopentadiene	9.1 U	9.1	2.2	1	01/30/21 00:23	1/27/21	
Hexachloroethane	9.1 U	9.1	1.1	1	01/30/21 00:23	1/27/21	
Indeno(1,2,3-cd)pyrene	9.1 U	9.1	1.8	1	01/30/21 00:23	1/27/21	
Isophorone	9.1 U	9.1	1.4	1	01/30/21 00:23	1/27/21	
N-Nitrosodi-n-propylamine	9.1 U	9.1	1.2	1	01/30/21 00:23	1/27/21	
N-Nitrosodiphenylamine	9.1 U	9.1	2.7	1	01/30/21 00:23	1/27/21	
Naphthalene	9.1 U	9.1	1.2	1	01/30/21 00:23	1/27/21	
Nitrobenzene	9.1 U	9.1	1.5	1	01/30/21 00:23	1/27/21	
Pentachlorophenol (PCP)	45 U	45	9.7	1	01/30/21 00:23	1/27/21	
Phenanthrene	9.1 U	9.1	1.4	1	01/30/21 00:23	1/27/21	
Phenol	9.1 U	9.1	1.0	1	01/30/21 00:23	1/27/21	
Pyrene	9.1 U	9.1	1.5	1	01/30/21 00:23	1/27/21	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	65	35 - 141	01/30/21 00:23	
2-Fluorobiphenyl	55	31 - 118	01/30/21 00:23	
2-Fluorophenol	31	10 - 105	01/30/21 00:23	
Nitrobenzene-d5	49	31 - 110	01/30/21 00:23	
Phenol-d6	21	10 - 107	01/30/21 00:23	
Terphenyl-d14	61	10 - 165	01/30/21 00:23	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

Analytical Report

Client:	Asbestos & Environmental Consulting Corporation	**Service Request:**	R2100574
Project:	700 Outparcel/20-011	**Date Collected:**	01/20/21 13:45
Sample Matrix:	Water	**Date Received:**	01/21/21 09:30
Sample Name:	MW-9 RE	**Units:**	ug/L
Lab Code:	R2100574-004	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	9.1 U R	9.1	1.2	1	02/09/21 22:42	2/5/21	*
2,3,4,6-Tetrachlorophenol	9.1 U R	9.1	1.2	1	02/09/21 22:42	2/5/21	*
2,4,5-Trichlorophenol	9.1 U R	9.1	1.1	1	02/09/21 22:42	2/5/21	*
2,4,6-Trichlorophenol	9.1 U R	9.1	1.4	1	02/09/21 22:42	2/5/21	*
2,4-Dichlorophenol	9.1 U R	9.1	1.3	1	02/09/21 22:42	2/5/21	*
2,4-Dimethylphenol	9.1 U R	9.1	1.4	1	02/09/21 22:42	2/5/21	*
2,4-Dinitrophenol	45 U R	45	20	1	02/09/21 22:42	2/5/21	*
2,4-Dinitrotoluene	9.1 U R	9.1	2.4	1	02/09/21 22:42	2/5/21	*
2,6-Dinitrotoluene	9.1 U R	9.1	1.4	1	02/09/21 22:42	2/5/21	*
2-Chloronaphthalene	9.1 U R	9.1	1.4	1	02/09/21 22:42	2/5/21	*
2-Chlorophenol	9.1 U R	9.1	1.1	1	02/09/21 22:42	2/5/21	*
2-Methylnaphthalene	9.1 U R	9.1	1.3	1	02/09/21 22:42	2/5/21	*
2-Methylphenol	9.1 U R	9.1	1.0	1	02/09/21 22:42	2/5/21	*
2-Nitroaniline	9.1 U R	9.1	1.4	1	02/09/21 22:42	2/5/21	*
2-Nitrophenol	9.1 U R	9.1	1.5	1	02/09/21 22:42	2/5/21	*
3,3'-Dichlorobenzidine	9.1 U R	9.1	1.2	1	02/09/21 22:42	2/5/21	*
3- and 4-Methylphenol Coelution	9.1 U R	9.1	1.2	1	02/09/21 22:42	2/5/21	*
3-Nitroaniline	9.1 U R	9.1	2.5	1	02/09/21 22:42	2/5/21	*
4,6-Dinitro-2-methylphenol	45 U R	45	20	1	02/09/21 22:42	2/5/21	*
4-Bromophenyl Phenyl Ether	9.1 U R	9.1	1.7	1	02/09/21 22:42	2/5/21	*
4-Chloro-3-methylphenol	9.1 U R	9.1	1.1	1	02/09/21 22:42	2/5/21	*
4-Chloroaniline	9.1 U R	9.1	1.0	1	02/09/21 22:42	2/5/21	*
4-Chlorophenyl Phenyl Ether	9.1 U R	9.1	1.5	1	02/09/21 22:42	2/5/21	*
4-Nitroaniline	9.1 U R	9.1	2.7	1	02/09/21 22:42	2/5/21	*
4-Nitrophenol	45 U R	45	6.4	1	02/09/21 22:42	2/5/21	*
Acenaphthene	9.1 U R	9.1	1.4	1	02/09/21 22:42	2/5/21	*
Acenaphthylene	9.1 U R	9.1	1.4	1	02/09/21 22:42	2/5/21	*
Acetophenone	9.1 U R	9.1	1.3	1	02/09/21 22:42	2/5/21	*
Anthracene	9.1 U R	9.1	1.3	1	02/09/21 22:42	2/5/21	*
Atrazine	9.1 U R	9.1	2.1	1	02/09/21 22:42	2/5/21	*
Benz(a)anthracene	9.1 U R	9.1	1.6	1	02/09/21 22:42	2/5/21	*
Benzaldehyde	9.1 U R	9.1	3.7	1	02/09/21 22:42	2/5/21	*
Benzo(a)pyrene	9.1 U R	9.1	1.2	1	02/09/21 22:42	2/5/21	*
Benzo(b)fluoranthene	9.1 U R	9.1	1.2	1	02/09/21 22:42	2/5/21	*
Benzo(g,h,i)perylene	9.1 U R	9.1	1.0	1	02/09/21 22:42	2/5/21	*
Benzo(k)fluoranthene	9.1 U R	9.1	1.3	1	02/09/21 22:42	2/5/21	*
Biphenyl	9.1 U R	9.1	1.4	1	02/09/21 22:42	2/5/21	*
2,2'-Oxybis(1-chloropropane)	9.1 U R	9.1	1.4	1	02/09/21 22:42	2/5/21	*
Bis(2-chloroethoxy)methane	9.1 U R	9.1	1.9	1	02/09/21 22:42	2/5/21	*
Bis(2-chloroethyl) Ether	9.1 U R	9.1	1.3	1	02/09/21 22:42	2/5/21	*
Bis(2-ethylhexyl) Phthalate	9.1 U R	9.1	7.8	1	02/09/21 22:42	2/5/21	*
Butyl Benzyl Phthalate	9.1 U R	9.1	1.4	1	02/09/21 22:42	2/5/21	*
Caprolactam	9.1 U R	9.1	1.0	1	02/09/21 22:42	2/5/21	*

Client:	Asbestos & Environmental Consulting Corporation	**Service Request:**	R2100574
Project:	700 Outparcel/20-011	**Date Collected:**	01/20/21 13:45
Sample Matrix:	Water	**Date Received:**	01/21/21 09:30
Sample Name:	MW-9 RE	**Units:**	ug/L
Lab Code:	R2100574-004	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	9.1 U R	9.1	1.6	1	02/09/21 22:42	2/5/21	*
Chrysene	9.1 U R	9.1	1.2	1	02/09/21 22:42	2/5/21	*
Di-n-butyl Phthalate	9.1 U R	9.1	1.7	1	02/09/21 22:42	2/5/21	*
Di-n-octyl Phthalate	9.1 U R	9.1	3.3	1	02/09/21 22:42	2/5/21	*
Dibenz(a,h)anthracene	9.1 U R	9.1	1.1	1	02/09/21 22:42	2/5/21	*
Dibenzofuran	9.1 U R	9.1	1.4	1	02/09/21 22:42	2/5/21	*
Diethyl Phthalate	9.1 U R	9.1	1.1	1	02/09/21 22:42	2/5/21	*
Dimethyl Phthalate	9.1 U R	9.1	1.3	1	02/09/21 22:42	2/5/21	*
Fluoranthene	9.1 U R	9.1	1.5	1	02/09/21 22:42	2/5/21	*
Fluorene	9.1 U R	9.1	1.3	1	02/09/21 22:42	2/5/21	*
Hexachlorobenzene	9.1 U R	9.1	1.6	1	02/09/21 22:42	2/5/21	*
Hexachlorobutadiene	9.1 U R	9.1	1.0	1	02/09/21 22:42	2/5/21	*
Hexachlorocyclopentadiene	9.1 U R	9.1	2.2	1	02/09/21 22:42	2/5/21	*
Hexachloroethane	9.1 U R	9.1	1.1	1	02/09/21 22:42	2/5/21	*
Indeno(1,2,3-cd)pyrene	9.1 U R	9.1	1.8	1	02/09/21 22:42	2/5/21	*
Isophorone	9.1 U R	9.1	1.4	1	02/09/21 22:42	2/5/21	*
N-Nitrosodi-n-propylamine	9.1 U R	9.1	1.2	1	02/09/21 22:42	2/5/21	*
N-Nitrosodiphenylamine	9.1 U R	9.1	2.7	1	02/09/21 22:42	2/5/21	*
Naphthalene	9.1 U R	9.1	1.2	1	02/09/21 22:42	2/5/21	*
Nitrobenzene	9.1 U R	9.1	1.5	1	02/09/21 22:42	2/5/21	*
Pentachlorophenol (PCP)	45 U R	45	9.7	1	02/09/21 22:42	2/5/21	*
Phenanthrene	9.1 U R	9.1	1.4	1	02/09/21 22:42	2/5/21	*
Phenol	9.1 U R	9.1	1.0	1	02/09/21 22:42	2/5/21	*
Pyrene	9.1 U R	9.1	1.5	1	02/09/21 22:42	2/5/21	*

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	73	35 - 141	02/09/21 22:42	
2-Fluorobiphenyl	18 *	31 - 118	02/09/21 22:42	*
2-Fluorophenol	24	10 - 105	02/09/21 22:42	
Nitrobenzene-d5	20 *	31 - 110	02/09/21 22:42	*
Phenol-d6	19	10 - 107	02/09/21 22:42	
Terphenyl-d14	106	10 - 165	02/09/21 22:42	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	unknown	2.22	100	J

Analytical Report

Client:	Asbestos & Environmental Consulting Corporation	**Service Request:**	R2100574
Project:	700 Outparcel/20-011	**Date Collected:**	01/20/21
Sample Matrix:	Water	**Date Received:**	01/21/21 09:30
Sample Name:	MW-D	**Units:**	ug/L
Lab Code:	R2100574-005	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	9.1 U		9.1	1.2	1	01/30/21 00:51	1/27/21	
2,3,4,6-Tetrachlorophenol	9.1 U		9.1	1.2	1	01/30/21 00:51	1/27/21	
2,4,5-Trichlorophenol	9.1 U		9.1	1.1	1	01/30/21 00:51	1/27/21	
2,4,6-Trichlorophenol	9.1 U		9.1	1.4	1	01/30/21 00:51	1/27/21	
2,4-Dichlorophenol	9.1 U		9.1	1.3	1	01/30/21 00:51	1/27/21	
2,4-Dimethylphenol	9.1 U	UJ	9.1	1.4	1	01/30/21 00:51	1/27/21	
2,4-Dinitrophenol	45 U		45	20	1	01/30/21 00:51	1/27/21	
2,4-Dinitrotoluene	9.1 U		9.1	2.4	1	01/30/21 00:51	1/27/21	
2,6-Dinitrotoluene	9.1 U		9.1	1.4	1	01/30/21 00:51	1/27/21	
2-Chloronaphthalene	9.1 U		9.1	1.4	1	01/30/21 00:51	1/27/21	
2-Chlorophenol	9.1 U		9.1	1.1	1	01/30/21 00:51	1/27/21	
2-Methylnaphthalene	9.1 U		9.1	1.3	1	01/30/21 00:51	1/27/21	
2-Methylphenol	9.1 U		9.1	1.0	1	01/30/21 00:51	1/27/21	
2-Nitroaniline	9.1 U		9.1	1.4	1	01/30/21 00:51	1/27/21	
2-Nitrophenol	9.1 U		9.1	1.5	1	01/30/21 00:51	1/27/21	
3,3'-Dichlorobenzidine	9.1 U		9.1	1.2	1	01/30/21 00:51	1/27/21	
3- and 4-Methylphenol Coelution	9.1 U		9.1	1.2	1	01/30/21 00:51	1/27/21	
3-Nitroaniline	9.1 U		9.1	2.5	1	01/30/21 00:51	1/27/21	
4,6-Dinitro-2-methylphenol	45 U		45	20	1	01/30/21 00:51	1/27/21	
4-Bromophenyl Phenyl Ether	9.1 U		9.1	1.7	1	01/30/21 00:51	1/27/21	
4-Chloro-3-methylphenol	9.1 U		9.1	1.1	1	01/30/21 00:51	1/27/21	
4-Chloroaniline	9.1 U		9.1	1.0	1	01/30/21 00:51	1/27/21	
4-Chlorophenyl Phenyl Ether	9.1 U		9.1	1.5	1	01/30/21 00:51	1/27/21	
4-Nitroaniline	9.1 U		9.1	2.7	1	01/30/21 00:51	1/27/21	
4-Nitrophenol	45 U		45	6.4	1	01/30/21 00:51	1/27/21	
Acenaphthene	9.1 U		9.1	1.4	1	01/30/21 00:51	1/27/21	
Acenaphthylene	9.1 U		9.1	1.4	1	01/30/21 00:51	1/27/21	
Acetophenone	9.1 U		9.1	1.3	1	01/30/21 00:51	1/27/21	
Anthracene	9.1 U		9.1	1.3	1	01/30/21 00:51	1/27/21	
Atrazine	9.1 U		9.1	2.1	1	01/30/21 00:51	1/27/21	
Benz(a)anthracene	9.1 U		9.1	1.6	1	01/30/21 00:51	1/27/21	
Benzaldehyde	9.1 U		9.1	3.7	1	01/30/21 00:51	1/27/21	
Benzo(a)pyrene	9.1 U		9.1	1.2	1	01/30/21 00:51	1/27/21	
Benzo(b)fluoranthene	9.1 U		9.1	1.2	1	01/30/21 00:51	1/27/21	
Benzo(g,h,i)perylene	9.1 U		9.1	1.0	1	01/30/21 00:51	1/27/21	
Benzo(k)fluoranthene	9.1 U		9.1	1.3	1	01/30/21 00:51	1/27/21	
Biphenyl	9.1 U		9.1	1.4	1	01/30/21 00:51	1/27/21	
2,2'-Oxybis(1-chloropropane)	9.1 U		9.1	1.4	1	01/30/21 00:51	1/27/21	
Bis(2-chloroethoxy)methane	9.1 U		9.1	1.9	1	01/30/21 00:51	1/27/21	
Bis(2-chloroethyl) Ether	9.1 U		9.1	1.3	1	01/30/21 00:51	1/27/21	
Bis(2-ethylhexyl) Phthalate	9.1 U		9.1	7.8	1	01/30/21 00:51	1/27/21	
Butyl Benzyl Phthalate	9.1 U		9.1	1.4	1	01/30/21 00:51	1/27/21	
Caprolactam	9.1 U		9.1	1.0	1	01/30/21 00:51	1/27/21	

Analytical Report

Client:	Asbestos & Environmental Consulting Corporation	**Service Request:**	R2100574
Project:	700 Outparcel/20-011	**Date Collected:**	01/20/21
Sample Matrix:	Water	**Date Received:**	01/21/21 09:30
Sample Name:	MW-D	**Units:**	ug/L
Lab Code:	R2100574-005	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	9.1 U	9.1	1.6	1	01/30/21 00:51	1/27/21	
Chrysene	9.1 U	9.1	1.2	1	01/30/21 00:51	1/27/21	
Di-n-butyl Phthalate	9.1 U	9.1	1.7	1	01/30/21 00:51	1/27/21	
Di-n-octyl Phthalate	9.1 U	9.1	3.3	1	01/30/21 00:51	1/27/21	
Dibenz(a,h)anthracene	9.1 U	9.1	1.1	1	01/30/21 00:51	1/27/21	
Dibenzofuran	9.1 U	9.1	1.4	1	01/30/21 00:51	1/27/21	
Diethyl Phthalate	9.1 U	9.1	1.1	1	01/30/21 00:51	1/27/21	
Dimethyl Phthalate	9.1 U	9.1	1.3	1	01/30/21 00:51	1/27/21	
Fluoranthene	9.1 U	9.1	1.5	1	01/30/21 00:51	1/27/21	
Fluorene	9.1 U	9.1	1.3	1	01/30/21 00:51	1/27/21	
Hexachlorobenzene	9.1 U	9.1	1.6	1	01/30/21 00:51	1/27/21	
Hexachlorobutadiene	9.1 U	9.1	1.0	1	01/30/21 00:51	1/27/21	
Hexachlorocyclopentadiene	9.1 U	9.1	2.2	1	01/30/21 00:51	1/27/21	
Hexachloroethane	9.1 U	9.1	1.1	1	01/30/21 00:51	1/27/21	
Indeno(1,2,3-cd)pyrene	9.1 U	9.1	1.8	1	01/30/21 00:51	1/27/21	
Isophorone	9.1 U	9.1	1.4	1	01/30/21 00:51	1/27/21	
N-Nitrosodi-n-propylamine	9.1 U	9.1	1.2	1	01/30/21 00:51	1/27/21	
N-Nitrosodiphenylamine	9.1 U	9.1	2.7	1	01/30/21 00:51	1/27/21	
Naphthalene	9.1 U	9.1	1.2	1	01/30/21 00:51	1/27/21	
Nitrobenzene	9.1 U	9.1	1.5	1	01/30/21 00:51	1/27/21	
Pentachlorophenol (PCP)	45 U	45	9.7	1	01/30/21 00:51	1/27/21	
Phenanthrene	9.1 U	9.1	1.4	1	01/30/21 00:51	1/27/21	
Phenol	9.1 U	9.1	1.0	1	01/30/21 00:51	1/27/21	
Pyrene	9.1 U	9.1	1.5	1	01/30/21 00:51	1/27/21	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	65	35 - 141	01/30/21 00:51	
2-Fluorobiphenyl	59	31 - 118	01/30/21 00:51	
2-Fluorophenol	34	10 - 105	01/30/21 00:51	
Nitrobenzene-d5	54	31 - 110	01/30/21 00:51	
Phenol-d6	23	10 - 107	01/30/21 00:51	
Terphenyl-d14	63	10 - 165	01/30/21 00:51	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	No Tentatively Identified Compounds Detected			

Analytical Report

Client:	Asbestos & Environmental Consulting Corporation	**Service Request:**	R2100574
Project:	700 Outparcel/20-011	**Date Collected:**	01/20/21
Sample Matrix:	Water	**Date Received:**	01/21/21 09:30
Sample Name:	MW-D RE	**Units:**	ug/L
Lab Code:	R2100574-005	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	9.1 U R	9.1	1.2	1	02/09/21 23:09	2/5/21	*
2,3,4,6-Tetrachlorophenol	9.1 U R	9.1	1.2	1	02/09/21 23:09	2/5/21	*
2,4,5-Trichlorophenol	9.1 U R	9.1	1.1	1	02/09/21 23:09	2/5/21	*
2,4,6-Trichlorophenol	9.1 U R	9.1	1.4	1	02/09/21 23:09	2/5/21	*
2,4-Dichlorophenol	9.1 U R	9.1	1.3	1	02/09/21 23:09	2/5/21	*
2,4-Dimethylphenol	9.1 U R	9.1	1.4	1	02/09/21 23:09	2/5/21	*
2,4-Dinitrophenol	45 U R	45	20	1	02/09/21 23:09	2/5/21	*
2,4-Dinitrotoluene	9.1 U R	9.1	2.4	1	02/09/21 23:09	2/5/21	*
2,6-Dinitrotoluene	9.1 U R	9.1	1.4	1	02/09/21 23:09	2/5/21	*
2-Chloronaphthalene	9.1 U R	9.1	1.4	1	02/09/21 23:09	2/5/21	*
2-Chlorophenol	9.1 U R	9.1	1.1	1	02/09/21 23:09	2/5/21	*
2-Methylnaphthalene	9.1 U R	9.1	1.3	1	02/09/21 23:09	2/5/21	*
2-Methylphenol	9.1 U R	9.1	1.0	1	02/09/21 23:09	2/5/21	*
2-Nitroaniline	9.1 U R	9.1	1.4	1	02/09/21 23:09	2/5/21	*
2-Nitrophenol	9.1 U R	9.1	1.5	1	02/09/21 23:09	2/5/21	*
3,3'-Dichlorobenzidine	9.1 U R	9.1	1.2	1	02/09/21 23:09	2/5/21	*
3- and 4-Methylphenol Coelution	9.1 U R	9.1	1.2	1	02/09/21 23:09	2/5/21	*
3-Nitroaniline	9.1 U R	9.1	2.5	1	02/09/21 23:09	2/5/21	*
4,6-Dinitro-2-methylphenol	45 U R	45	20	1	02/09/21 23:09	2/5/21	*
4-Bromophenyl Phenyl Ether	9.1 U R	9.1	1.7	1	02/09/21 23:09	2/5/21	*
4-Chloro-3-methylphenol	9.1 U R	9.1	1.1	1	02/09/21 23:09	2/5/21	*
4-Chloroaniline	9.1 U R	9.1	1.0	1	02/09/21 23:09	2/5/21	*
4-Chlorophenyl Phenyl Ether	9.1 U R	9.1	1.5	1	02/09/21 23:09	2/5/21	*
4-Nitroaniline	9.1 U R	9.1	2.7	1	02/09/21 23:09	2/5/21	*
4-Nitrophenol	45 U R	45	6.4	1	02/09/21 23:09	2/5/21	*
Acenaphthene	9.1 U R	9.1	1.4	1	02/09/21 23:09	2/5/21	*
Acenaphthylene	9.1 U R	9.1	1.4	1	02/09/21 23:09	2/5/21	*
Acetophenone	9.1 U R	9.1	1.3	1	02/09/21 23:09	2/5/21	*
Anthracene	9.1 U R	9.1	1.3	1	02/09/21 23:09	2/5/21	*
Atrazine	9.1 U R	9.1	2.1	1	02/09/21 23:09	2/5/21	*
Benz(a)anthracene	9.1 U R	9.1	1.6	1	02/09/21 23:09	2/5/21	*
Benzaldehyde	9.1 U R	9.1	3.7	1	02/09/21 23:09	2/5/21	*
Benzo(a)pyrene	9.1 U R	9.1	1.2	1	02/09/21 23:09	2/5/21	*
Benzo(b)fluoranthene	9.1 U R	9.1	1.2	1	02/09/21 23:09	2/5/21	*
Benzo(g,h,i)perylene	9.1 U R	9.1	1.0	1	02/09/21 23:09	2/5/21	*
Benzo(k)fluoranthene	9.1 U R	9.1	1.3	1	02/09/21 23:09	2/5/21	*
Biphenyl	9.1 U R	9.1	1.4	1	02/09/21 23:09	2/5/21	*
2,2'-Oxybis(1-chloropropane)	9.1 U R	9.1	1.4	1	02/09/21 23:09	2/5/21	*
Bis(2-chloroethoxy)methane	9.1 U R	9.1	1.9	1	02/09/21 23:09	2/5/21	*
Bis(2-chloroethyl) Ether	9.1 U R	9.1	1.3	1	02/09/21 23:09	2/5/21	*
Bis(2-ethylhexyl) Phthalate	9.1 U R	9.1	7.8	1	02/09/21 23:09	2/5/21	*
Butyl Benzyl Phthalate	9.1 U R	9.1	1.4	1	02/09/21 23:09	2/5/21	*
Caprolactam	9.1 U	9.1	1.0	1	02/09/21 23:09	2/5/21	*

Client:	Asbestos & Environmental Consulting Corporation	**Service Request:**	R2100574
Project:	700 Outparcel/20-011	**Date Collected:**	01/20/21
Sample Matrix:	Water	**Date Received:**	01/21/21 09:30
Sample Name:	MW-D RE	**Units:**	ug/L
Lab Code:	R2100574-005	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	9.1 U R	9.1	1.6	1	02/09/21 23:09	2/5/21	*
Chrysene	9.1 U R	9.1	1.2	1	02/09/21 23:09	2/5/21	*
Di-n-butyl Phthalate	9.1 U R	9.1	1.7	1	02/09/21 23:09	2/5/21	*
Di-n-octyl Phthalate	9.1 U R	9.1	3.3	1	02/09/21 23:09	2/5/21	*
Dibenz(a,h)anthracene	9.1 U R	9.1	1.1	1	02/09/21 23:09	2/5/21	*
Dibenzofuran	9.1 U R	9.1	1.4	1	02/09/21 23:09	2/5/21	*
Diethyl Phthalate	9.1 U R	9.1	1.1	1	02/09/21 23:09	2/5/21	*
Dimethyl Phthalate	9.1 U R	9.1	1.3	1	02/09/21 23:09	2/5/21	*
Fluoranthene	9.1 U R	9.1	1.5	1	02/09/21 23:09	2/5/21	*
Fluorene	9.1 U R	9.1	1.3	1	02/09/21 23:09	2/5/21	*
Hexachlorobenzene	9.1 U R	9.1	1.6	1	02/09/21 23:09	2/5/21	*
Hexachlorobutadiene	9.1 U R	9.1	1.0	1	02/09/21 23:09	2/5/21	*
Hexachlorocyclopentadiene	9.1 U R	9.1	2.2	1	02/09/21 23:09	2/5/21	*
Hexachloroethane	9.1 U R	9.1	1.1	1	02/09/21 23:09	2/5/21	*
Indeno(1,2,3-cd)pyrene	9.1 U R	9.1	1.8	1	02/09/21 23:09	2/5/21	*
Isophorone	9.1 U R	9.1	1.4	1	02/09/21 23:09	2/5/21	*
N-Nitrosodi-n-propylamine	9.1 U R	9.1	1.2	1	02/09/21 23:09	2/5/21	*
N-Nitrosodiphenylamine	9.1 U R	9.1	2.7	1	02/09/21 23:09	2/5/21	*
Naphthalene	9.1 U R	9.1	1.2	1	02/09/21 23:09	2/5/21	*
Nitrobenzene	9.1 U R	9.1	1.5	1	02/09/21 23:09	2/5/21	*
Pentachlorophenol (PCP)	45 U R	45	9.7	1	02/09/21 23:09	2/5/21	*
Phenanthrene	9.1 U R	9.1	1.4	1	02/09/21 23:09	2/5/21	*
Phenol	9.1 U R	9.1	1.0	1	02/09/21 23:09	2/5/21	*
Pyrene	9.1 U R	9.1	1.5	1	02/09/21 23:09	2/5/21	*

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	82	35 - 141	02/09/21 23:09	
2-Fluorobiphenyl	43	31 - 118	02/09/21 23:09	
2-Fluorophenol	32	10 - 105	02/09/21 23:09	
Nitrobenzene-d5	46	31 - 110	02/09/21 23:09	
Phenol-d6	24	10 - 107	02/09/21 23:09	
Terphenyl-d14	108	10 - 165	02/09/21 23:09	

Tentatively Identified Compounds

CAS#	Compound Identification	RT	Result ug/L	Q
	unknown	2.22	120	J

METALS
- 1 -
INORGANIC ANALYSIS DATA PACKAGE

Client: Asbestos & Environmental Consult
Service Request: MW-5
Project No.: R2100574
Date Collected: 1/20/2021
Project Name:
Date Received: 1/21/2021
Matrix: WATER
Units: ug/L
Basis:

Sample Name: MW-5
Lab Code: R2100574-001

Analyte	Analysis Method	PQL	MDL	Dil. Factor	Result	C	Q
Aluminum	6010C	100	23.0	1.0	72.8	J	
Antimony	6010C	10.0	4.7	1.0	10.0	U	
Arsenic	6010C	10.0	5.5	1.0	10.0	U	
Barium	6010C	20.0	3.0	1.0	185		
Beryllium	6010C	3.0	0.130	1.0	3.0	U	
Cadmium	6010C	5.0	0.350	1.0	5.0	U	
Mercury	7470A	0.200	0.077	1.0	0.200	U	
Calcium	6010C	1000	220	1.0	139000		
Chromium	6010C	10.0	0.590	1.0	0.600	J	
Cobalt	6010C	50.0	0.890	1.0	50.0	U	
Copper	6010C	20.0	3.9	1.0	5.6	J	
Iron	6010C	100	61.0	1.0	72.7	J	
Lead	6010C	5.0	2.1	1.0	5.0	U	
Magnesium	6010C	1000	29.0	1.0	17900		
Manganese	6010C	10.0	3.7	1.0	10.0	U	
Nickel	6010C	40.0	2.6	1.0	40.0	U	
Potassium	6010C	2000	200	1.0	6690		J
Selenium	6010C	10.0	6.4	1.0	10.0	U	
Silver	6010C	10.0	0.570	1.0	10.0	U	
Sodium	6010C	100000	13000	100.0	793000		
Thallium	6010C	10.0	6.6	1.0	10.0	U	
Vanadium	6010C	50.0	0.670	1.0	1.7	J	
Zinc	6010C	20.0	9.4	1.0	12.1	J	

% Solids: 0.0

Comments:

METALS
- 1 -
INORGANIC ANALYSIS DATA PACKAGE

Client: Asbestos & Environmental Consult
Project No.: R2100574
Project Name:
Matrix: WATER

Service Request: MW-5
Date Collected: 1/20/2021
Date Received: 1/21/2021
Units: ug/L
Basis:

Sample Name: MW-7 **Lab Code:** R2100574-002

Analyte	Analysis Method	PQL	MDL	Dil. Factor	Result	C	Q
Aluminum	6010C	100	23.0	1.0	267		
Antimony	6010C	10.0	4.7	1.0	10.0	U	
Arsenic	6010C	10.0	5.5	1.0	6.1	J	
Barium	6010C	20.0	3.0	1.0	180		
Beryllium	6010C	3.0	0.130	1.0	3.0	U	
Cadmium	6010C	5.0	0.350	1.0	5.0	U	
Mercury	7470A	0.200	0.077	1.0	0.200	U	
Calcium	6010C	1000	220	1.0	220000		
Chromium	6010C	10.0	0.590	1.0	10.0	U	
Cobalt	6010C	50.0	0.890	1.0	1.2	J	
Copper	6010C	20.0	3.9	1.0	20.0	U	
Iron	6010C	100	61.0	1.0	1520		
Lead	6010C	5.0	2.1	1.0	5.0	U	
Magnesium	6010C	1000	29.0	1.0	49800		
Manganese	6010C	10.0	3.7	1.0	50.3		
Nickel	6010C	40.0	2.6	1.0	40.0	U	
Potassium	6010C	2000	200	1.0	5570		J
Selenium	6010C	10.0	6.4	1.0	10.0	U	
Silver	6010C	10.0	0.570	1.0	10.0	U	
Sodium	6010C	100000	13000	100.0	913000		
Thallium	6010C	10.0	6.6	1.0	6.9	J	
Vanadium	6010C	50.0	0.670	1.0	50.0	U	
Zinc	6010C	20.0	9.4	1.0	20.0	U	

% Solids: 0.0

Comments:

METALS
- 1 -
INORGANIC ANALYSIS DATA PACKAGE

Client: Asbestos & Environmental Consult
Service Request: MW-5
Project No.: R2100574
Date Collected: 1/20/2021
Project Name:
Date Received: 1/21/2021
Matrix: WATER
Units: ug/L
Basis:

Sample Name: MW-8
Lab Code: R2100574-003

Analyte	Analysis Method	PQL	MDL	Dil. Factor	Result	C	Q
Aluminum	6010C	100	23.0	1.0	363		
Antimony	6010C	10.0	4.7	1.0	10.0	U	
Arsenic	6010C	10.0	5.5	1.0	10.0	U	
Barium	6010C	20.0	3.0	1.0	719		
Beryllium	6010C	3.0	0.130	1.0	3.0	U	
Cadmium	6010C	5.0	0.350	1.0	5.0	U	
Mercury	7470A	0.200	0.077	1.0	0.200	U	
Calcium	6010C	1000	220	1.0	183000		
Chromium	6010C	10.0	0.590	1.0	10.0	U	
Cobalt	6010C	50.0	0.890	1.0	50.0	U	
Copper	6010C	20.0	3.9	1.0	20.0	U	
Iron	6010C	100	61.0	1.0	3650		
Lead	6010C	5.0	2.1	1.0	24.4		
Magnesium	6010C	1000	29.0	1.0	25700		
Manganese	6010C	10.0	3.7	1.0	782		
Nickel	6010C	40.0	2.6	1.0	40.0	U	
Potassium	6010C	2000	200	1.0	9670		J
Selenium	6010C	10.0	6.4	1.0	10.0	U	
Silver	6010C	10.0	0.570	1.0	10.0	U	
Sodium	6010C	1000	130	1.0	129000		
Thallium	6010C	10.0	6.6	1.0	10.0	U	
Vanadium	6010C	50.0	0.670	1.0	1.3	J	
Zinc	6010C	20.0	9.4	1.0	20.0	U	

% Solids: 0.0

Comments:

METALS
- 1 -
INORGANIC ANALYSIS DATA PACKAGE

Client: Asbestos & Environmental Consult
Service Request: MW-5
Project No.: R2100574
Date Collected: 1/20/2021
Project Name:
Date Received: 1/21/2021
Matrix: WATER
Units: ug/L
Basis:

Sample Name: MW-9
Lab Code: R2100574-004

Analyte	Analysis Method	PQL	MDL	Dil. Factor	Result	C	Q
Aluminum	6010C	100	23.0	1.0	600		
Antimony	6010C	10.0	4.7	1.0	10.0	U	
Arsenic	6010C	10.0	5.5	1.0	10.0	U	
Barium	6010C	20.0	3.0	1.0	272		
Beryllium	6010C	3.0	0.130	1.0	3.0	U	
Cadmium	6010C	5.0	0.350	1.0	5.0	U	
Mercury	7470A	0.200	0.077	1.0	0.200	U	
Calcium	6010C	1000	220	1.0	173000		
Chromium	6010C	10.0	0.590	1.0	1.0	J	
Cobalt	6010C	50.0	0.890	1.0	1.1	J	
Copper	6010C	20.0	3.9	1.0	20.0	U	
Iron	6010C	100	61.0	1.0	1840		
Lead	6010C	5.0	2.1	1.0	5.0	U	
Magnesium	6010C	1000	29.0	1.0	26100		
Manganese	6010C	10.0	3.7	1.0	147		
Nickel	6010C	40.0	2.6	1.0	40.0	U	
Potassium	6010C	2000	200	1.0	12200		J
Selenium	6010C	10.0	6.4	1.0	10.0	U	
Silver	6010C	10.0	0.570	1.0	10.0	U	
Sodium	6010C	10000	1300	10.0	226000		
Thallium	6010C	10.0	6.6	1.0	10.0	U	
Vanadium	6010C	50.0	0.670	1.0	1.6	J	
Zinc	6010C	20.0	9.4	1.0	20.0	U	

% Solids: 0.0

Comments:

METALS
- 1 -
INORGANIC ANALYSIS DATA PACKAGE

Client: Asbestos & Environmental Consult
Project No.: R2100574
Project Name:
Matrix: WATER

Service Request: MW-5
Date Collected: 1/20/2021
Date Received: 1/21/2021
Units: ug/L
Basis:

Sample Name: MW-D
Lab Code: R2100574-005

Analyte	Analysis Method	PQL	MDL	Dil. Factor	Result	C	Q
Aluminum	6010C	100	23.0	1.0	70.1	J	
Antimony	6010C	10.0	4.7	1.0	10.0	U	
Arsenic	6010C	10.0	5.5	1.0	10.0	U	
Barium	6010C	20.0	3.0	1.0	182		
Beryllium	6010C	3.0	0.130	1.0	3.0	U	
Cadmium	6010C	5.0	0.350	1.0	5.0	U	
Mercury	7470A	0.200	0.077	1.0	0.200	U	
Calcium	6010C	1000	220	1.0	137000		
Chromium	6010C	10.0	0.590	1.0	10.0	U	
Cobalt	6010C	50.0	0.890	1.0	50.0	U	
Copper	6010C	20.0	3.9	1.0	5.5	J	
Iron	6010C	100	61.0	1.0	68.1	J	
Lead	6010C	5.0	2.1	1.0	5.0	U	
Magnesium	6010C	1000	29.0	1.0	17700		
Manganese	6010C	10.0	3.7	1.0	10.0	U	
Nickel	6010C	40.0	2.6	1.0	40.0	U	
Potassium	6010C	2000	200	1.0	6620		J
Selenium	6010C	10.0	6.4	1.0	9.0	J	
Silver	6010C	10.0	0.570	1.0	10.0	U	
Sodium	6010C	100000	13000	100.0	760000		
Thallium	6010C	10.0	6.6	1.0	10.0	U	
Vanadium	6010C	50.0	0.670	1.0	1.4	J	
Zinc	6010C	20.0	9.4	1.0	12.1	J	

% Solids: 0.0

Comments:

VOC Data Section

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

QA/QC Review of Method 8260C Volatiles Data
for ALS Environmental-Rochester Laboratory
Service Request: R2100574

4 Ground Water Samples, 1 Field Duplicate,
and 1 Trip Blank
Collected January 20, 2021

Prepared by: Donald Anné
March 4, 2021

Holding Times: Samples were analyzed within USEPA SW-846 holding times.

GC/MS Tuning and Mass Calibration: The BFB tuning criteria were within control limits.

Initial Calibration: The average RRFs for applicable compounds were above the method minimums and the %RSDs were below the method maximum, as required.

The average RRFs for target compounds were above the allowable minimum (0.010) and the %RSDs were below the allowable maximum (30%), as required.

Continuing Calibration: The RRFs for applicable compounds were above the method minimums and the %Ds were below the method maximum, as required.

The associated RRFs for target compounds were above the allowable minimum (0.010), as required.

The %D for 1,4-dioxane was above the allowable maximum (20%) on 02-01-21(T5243.D). Positive results for 1,4-dioxane should be considered estimated (J) in associated samples.

Blanks: The analyses of the method and trip blanks reported target compounds as not detected.

Internal Standard Area Summary: The internal standard retention areas and times were within control limits.

Surrogate Recovery: The surrogate recoveries were within control limits for the ground water samples and trip blank.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences for target compounds were below the allowable maximum, but 2 of 2 percent recoveries for 1,1-dichloroethene were above QC limits for aqueous MS/MSD sample MW-7. Sample MW-7 reported 1,1-dichloroethene as "not detected"; therefore, no action is taken.

679 Plank Road ● Clifton Park, New York 12065 ● (518) 348-6995 ● Fax (518) 348-6966
www.alphageoscience.com

Laboratory Control Sample: The percent recoveries for target compounds were within QC limits for aqueous sample RQ2101026-03.

Field Duplicates: The analyses of aqueous field duplicate pair MW-5/MW-D reported target compounds as either not detected or below the lowest standard; therefore, valid relative percent differences could not be calculated. The analyses for the field duplicate pair were acceptable.

Compound ID: Checked compound and surrogate results were within GC/MS quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in the method.

Client:	Asbestos & Environmental Consulting Corporation	**Service Request:**	R2100574
Project:	700 Outparcel/20-011	**Date Collected:**	01/20/21
Sample Matrix:	Water	**Date Received:**	01/21/21
		Date Analyzed:	02/1/21
		Date Extracted:	NA

Duplicate Matrix Spike Summary
Volatile Organic Compounds by GC/MS

Sample Name:	MW-7	**Units:**	ug/L
Lab Code:	R2100574-002	**Basis:**	NA
Analysis Method:	8260C		
Prep Method:	EPA 5030C		

		Matrix Spike RQ2101026-07			Duplicate Matrix Spike RQ2101026-08					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,1,1-Trichloroethane (TCA)	1.0 U	52.4	50.0	105	53.3	50.0	107	74-127	2	30
1,1,2,2-Tetrachloroethane	1.0 U	51.5	50.0	103	51.8	50.0	104	72-122	<1	30
1,1,2-Trichloroethane	1.0 U	50.1	50.0	100	50.2	50.0	100	82-121	<1	30
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0 U	50.1	50.0	100	51.1	50.0	102	50-147	2	30
1,1-Dichloroethane (1,1-DCA)	1.0 U	53.9	50.0	108	54.3	50.0	109	74-132	<1	30
1,1-Dichloroethene (1,1-DCE)	1.0 U	62.8	50.0	126 *	62.1	50.0	124 *	71-118	1	30
1,2,3-Trichlorobenzene	1.0 U	47.7	50.0	95	47.8	50.0	96	59-129	<1	30
1,2,4-Trichlorobenzene	1.0 U	47.7	50.0	95	47.4	50.0	95	69-122	<1	30
1,2-Dibromo-3-chloropropane (DBCP)	2.0 U	47.6	50.0	95	49.7	50.0	99	37-150	4	30
1,2-Dibromoethane	1.0 U	53.2	50.0	106	51.8	50.0	104	67-127	3	30
1,2-Dichlorobenzene	1.0 U	48.8	50.0	98	49.9	50.0	100	77-120	2	30
1,2-Dichloroethane	1.0 U	49.0	50.0	98	49.2	50.0	98	68-130	<1	30
1,2-Dichloropropane	1.0 U	51.9	50.0	104	53.1	50.0	106	79-124	2	30
1,3-Dichlorobenzene	1.0 U	49.3	50.0	99	50.9	50.0	102	83-121	3	30
1,4-Dichlorobenzene	1.0 U	49.0	50.0	98	49.8	50.0	100	82-120	2	30
1,4-Dioxane	40 U	957	1000	96	982	1000	98	44-154	3	30
2-Butanone (MEK)	5.0 U	49.3	50.0	99	49.8	50.0	100	61-137	<1	30
2-Hexanone	5.0 U	52.3	50.0	105	51.6	50.0	103	56-132	1	30
4-Methyl-2-pentanone	5.0 U	51.2	50.0	102	53.3	50.0	107	60-141	4	30
Acetone	5.0 U	52.2	50.0	104	51.2	50.0	102	35-183	2	30
Benzene	1.0 U	51.8	50.0	104	53.3	50.0	107	76-129	3	30
Bromochloromethane	1.0 U	51.2	50.0	102	50.9	50.0	102	80-122	<1	30
Bromodichloromethane	1.0 U	48.1	50.0	96	50.3	50.0	101	78-133	4	30
Bromoform	1.0 U	47.3	50.0	95	48.5	50.0	97	58-133	3	30
Bromomethane	1.0 U	41.3	50.0	83	42.7	50.0	85	10-184	3	30
Carbon Disulfide	1.0 U	48.5	50.0	97	50.9	50.0	102	59-140	5	30
Carbon Tetrachloride	1.0 U	49.0	50.0	98	52.1	50.0	104	65-135	6	30
Chlorobenzene	1.0 U	51.7	50.0	103	51.6	50.0	103	76-125	<1	30
Chloroethane	1.0 U	53.4	50.0	107	49.3	50.0	99	48-146	8	30
Chloroform	1.0 U	52.3	50.0	105	51.9	50.0	104	75-130	<1	30
Chloromethane	1.0 U	56.0	50.0	112	57.8	50.0	116	55-160	3	30
Cyclohexane	1.0 U	50.5	50.0	101	52.7	50.0	105	52-145	4	30
Dibromochloromethane	1.0 U	53.6	50.0	107	53.9	50.0	108	72-128	<1	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:	Asbestos & Environmental Consulting Corporation	**Service Request:**	R2100574
Project:	700 Outparcel/20-011	**Date Collected:**	01/20/21
Sample Matrix:	Water	**Date Received:**	01/21/21
		Date Analyzed:	02/1/21
		Date Extracted:	NA

Duplicate Matrix Spike Summary
Volatile Organic Compounds by GC/MS

Sample Name:	MW-7	**Units:**	ug/L
Lab Code:	R2100574-002	**Basis:**	NA
Analysis Method:	8260C		
Prep Method:	EPA 5030C		

		Matrix Spike RQ2101026-07			Duplicate Matrix Spike RQ2101026-08					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Dichlorodifluoromethane (CFC 12)	1.0 U	54.2	50.0	108	55.8	50.0	112	49-154	3	30
Dichloromethane	1.0 U	49.3	50.0	99	51.3	50.0	103	73-122	4	30
Ethylbenzene	1.0 U	56.9	50.0	114	54.4	50.0	109	72-134	5	30
Isopropylbenzene (Cumene)	1.0 U	55.6	50.0	111	54.7	50.0	109	77-128	2	30
Methyl Acetate	2.0 U	44.5	50.0	89	42.6	50.0	85	26-121	4	30
Methyl tert-Butyl Ether	1.0 U	52.7	50.0	105	53.7	50.0	107	75-119	2	30
Methylcyclohexane	1.0 U	52.0	50.0	104	53.8	50.0	108	45-146	3	30
Styrene	1.0 U	48.8	50.0	98	51.2	50.0	102	74-136	5	30
Tetrachloroethene (PCE)	1.0 U	49.9	50.0	100	49.4	50.0	99	72-125	1	30
Toluene	1.0 U	51.6	50.0	103	53.2	50.0	106	79-119	3	30
Trichloroethene (TCE)	1.0 U	48.3	50.0	97	50.7	50.0	101	74-122	5	30
Trichlorofluoromethane (CFC 11)	1.0 U	55.2	50.0	110	56.0	50.0	112	71-136	1	30
Vinyl Chloride	1.0 U	56.1	50.0	112	54.2	50.0	108	74-159	4	30
cis-1,2-Dichloroethene	1.0 U	54.9	50.0	110	55.7	50.0	111	77-127	1	30
cis-1,3-Dichloropropene	1.0 U	50.1	50.0	100	52.0	50.0	104	52-134	4	30
m,p-Xylenes	2.0 U	113	100	113	111	100	111	80-126	2	30
o-Xylene	1.0 U	56.5	50.0	113	55.8	50.0	112	79-123	1	30
trans-1,2-Dichloroethene	1.0 U	57.5	50.0	115	57.8	50.0	116	73-118	<1	30
trans-1,3-Dichloropropene	1.0 U	49.4	50.0	99	52.2	50.0	104	71-133	5	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: Asbestos & Environmental Consulting Corporation
Project: 700 Outparcel/20-011

Service Request: R2100574
Date Analyzed: 02/01/21 11:20

Continuing Calibration Verification (CCV) Summary
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
File ID: I:\ACQUDATA\msvoa10\data\020121\T5243.D\
Signal ID: 1

Calibration Date: 1/13/2021
Calibration ID: RC2100003
Analysis Lot: 711684
Units: ug/L

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
1,1,1-Trichloroethane (TCA)	50.0	49.5	0.607	0.6008	-1.0	NA	±20	Average RF
1,1,2,2-Tetrachloroethane	50.0	42.2	0.9482	0.7997	-15.7	NA	±20	Average RF
1,1,2-Trichloroethane	50.0	47.6	0.3167	0.3012	-4.9	NA	±20	Average RF
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	48.2	0.4477	0.4314	-3.6	NA	±20	Average RF
1,1-Dichloroethane (1,1-DCA)	50.0	49.4	0.7343	0.7256	-1.2	NA	±20	Average RF
1,1-Dichloroethene (1,1-DCE)	50.0	50.3	0.3358	0.3377	0.6	NA	±20	Average RF
1,2,3-Trichlorobenzene	50.0	45.0	1.1998	1.0805	-9.9	NA	±20	Average RF
1,2,4-Trichlorobenzene	50.0	44.7	1.2365	1.1044	-10.7	NA	±20	Average RF
1,2-Dibromo-3-chloropropane (DBCP)	50.0	43.6	0.2235	0.1838	NA	-12.8	±20	Quadratic
1,2-Dibromoethane	50.0	47.7	0.3625	0.3454	-4.7	NA	±20	Average RF
1,2-Dichlorobenzene	50.0	44.8	1.6652	1.4904	-10.5	NA	±20	Average RF
1,2-Dichloroethane	50.0	46.8	0.4393	0.4114	-6.3	NA	±20	Average RF
1,2-Dichloropropane	50.0	48.6	0.2954	0.2869	-2.9	NA	±20	Average RF
1,3-Dichlorobenzene	50.0	46.8	1.6266	1.5234	-6.3	NA	±20	Average RF
1,4-Dichlorobenzene	50.0	46.0	1.6769	1.543	-8.0	NA	±20	Average RF
1,4-Dioxane	1000	781	0.0068	0.0053	-21.9*	NA	±20	Average RF
2-Butanone (MEK)	50.0	42.7	0.2827	0.2416	-14.5	NA	±20	Average RF
2-Hexanone	50.0	42.9	0.3006	0.2581	-14.2	NA	±20	Average RF
4-Methyl-2-pentanone	50.0	43.5	0.3705	0.3222	-13.0	NA	±20	Average RF
Acetone	50.0	48.2	0.1819	0.1752	-3.7	NA	±20	Average RF
Benzene	50.0	49.2	1.1904	1.172	-1.6	NA	±20	Average RF
Bromochloromethane	50.0	46.5	0.3596	0.3342	-7.0	NA	±20	Average RF
Bromodichloromethane	50.0	51.7	0.3741	0.3865	3.3	NA	±20	Average RF
Bromoform	50.0	49.7	0.2348	0.2271	NA	-0.7	±20	Quadratic
Bromomethane	50.0	43.5	0.496	0.4266	NA	-13.1	±20	Quadratic
Carbon Disulfide	50.0	47.1	1.0118	0.9539	-5.7	NA	±20	Average RF
Carbon Tetrachloride	50.0	49.1	0.3496	0.3434	-1.8	NA	±20	Average RF
Chlorobenzene	50.0	47.8	1.0266	0.9814	-4.4	NA	±20	Average RF
Chloroethane	50.0	44.5	0.3667	0.3262	-11.0	NA	±20	Average RF
Chloroform	50.0	48.8	0.7824	0.7639	-2.4	NA	±20	Average RF
Chloromethane	50.0	46.3	0.5058	0.4684	-7.4	NA	±20	Average RF
Cyclohexane	50.0	50.7	0.2576	0.2613	1.4	NA	±20	Average RF
Dibromochloromethane	50.0	51.7	0.3237	0.3343	3.3	NA	±20	Average RF
Dichlorodifluoromethane (CFC 12)	50.0	48.3	0.4763	0.4603	-3.4	NA	±20	Average RF
Dichloromethane	50.0	46.7	0.4804	0.4491	-6.5	NA	±20	Average RF
Ethylbenzene	50.0	50.8	0.5022	0.5101	1.6	NA	±20	Average RF
Isopropylbenzene (Cumene)	50.0	50.7	1.5597	1.5816	1.4	NA	±20	Average RF
Methyl Acetate	50.0	45.2	0.4774	0.4311	-9.7	NA	±20	Average RF
Methyl tert-Butyl Ether	50.0	47.2	1.3351	1.2596	-5.7	NA	±20	Average RF

Client: Asbestos & Environmental Consulting Corporation
Project: 700 Outparcel/20-011
Service Request: R2100574
Date Analyzed: 02/01/21 11:20

Continuing Calibration Verification (CCV) Summary
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
File ID: I:\ACQUDATA\msvoa10\data\020121\T5243.D\
Signal ID: 1
Calibration Date: 1/13/2021
Calibration ID: RC2100003
Analysis Lot: 711684
Units: ug/L

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
Methylcyclohexane	50.0	50.4	0.3476	0.3503	0.8	NA	±20	Average RF
Styrene	50.0	51.0	1.045	1.0652	1.9	NA	±20	Average RF
Tetrachloroethene (PCE)	50.0	46.0	0.3114	0.2863	-8.1	NA	±20	Average RF
Toluene	50.0	48.5	1.3418	1.3005	-3.1	NA	±20	Average RF
Trichloroethene (TCE)	50.0	49.3	0.3485	0.3432	-1.5	NA	±20	Average RF
Trichlorofluoromethane (CFC 11)	50.0	50.7	0.69	0.6992	1.3	NA	±20	Average RF
Vinyl Chloride	50.0	48.8	0.549	0.5357	-2.4	NA	±20	Average RF
cis-1,2-Dichloroethene	50.0	49.2	0.4822	0.4748	-1.5	NA	±20	Average RF
cis-1,3-Dichloropropene	50.0	51.3	0.4069	0.4173	2.6	NA	±20	Average RF
m,p-Xylenes	100	104	0.6175	0.6393	3.5	NA	±20	Average RF
o-Xylene	50.0	51.7	0.6104	0.6314	3.4	NA	±20	Average RF
trans-1,2-Dichloroethene	50.0	48.0	0.3979	0.3819	-4.0	NA	±20	Average RF
trans-1,3-Dichloropropene	50.0	53.2	0.3236	0.3599	NA	6.5	±20	Quadratic
4-Bromofluorobenzene	50.0	50.6	0.4524	0.458	1.3	NA	±20	Average RF
Dibromofluoromethane	50.0	49.6	0.3291	0.3262	-0.9	NA	±20	Average RF
Toluene-d8	50.0	49.9	1.2301	1.2279	-0.2	NA	±20	Average RF

SVOC Data Section

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

QA/QC Review of Method 8270D Semi-Volatiles
Data for ALS Environmental-Rochester Laboratory
Service Request: R2100574

4 Ground Water Samples and 1 Field Duplicate
Collected January 20, 2021

Prepared by: Donald Anné
March 4, 2021

Holding Times: All samples were re-extracted beyond USEPA SW-846 holding times and beyond 2 times the holding time. Positive results for target compounds should be considered estimated (J) and "not detected" results rejected, unusable (R) in all re-extracted samples.

GC/MS Tuning and Mass Calibration: The DFTPP tuning criteria were within control limits.

Initial Calibration: The average RRFs for applicable compounds were above the method minimums and the %RSDs were below the method maximum, as required.

The average RRFs for target compounds were above the allowable minimum (0.010) and the %RSDs were below the allowable maximum (30%), as required.

Continuing Calibration: The RRFs for applicable compounds were above the method minimums, as required. The %Ds for hexachlorocyclopentadiene and pentachlorophenol were above the method maximum on 01-29-21 (EB674.D). The %Ds for 8 compounds (highlighted yellow on attached CCV Summary) were above the method maximum on 02-09-21 (CB446.D). No action is taken on fewer than 20% of the compounds with method criteria outside control limits per calibration.

The associated RRFs for target compounds were above the allowable minimum (0.010), as required.

The %Ds for hexachlorocyclopentadiene and pentachlorophenol were above the allowable maximum (20%) on 01-29-21 (EB674.D). The %Ds for 8 compounds (highlighted yellow on attached CCV Summary) were above the allowable maximum (20%) on 02-09-21 (CB446.D). Positive results for these compounds should be considered estimated (J) in associated samples.

Blanks: The analyses of the method blanks reported target compounds as not detected.

679 Plank Road ● Clifton Park, New York 12065 ● (518) 348-6995 ● Fax (518) 348-6966
www.alphageoscience.com

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: One of three acid extractable and 1 of 3 base/neutral surrogate recoveries for sample MW-5 were below control limits, but not below 10%. No action is taken on one surrogate recovery per fraction out side control limits provided no recovery is less than 10%.

Two of three base/neutral surrogate recoveries for re-extracted sample MW-9RE were below control limits, but not below 10%. Positive results for base/neutral compounds should be considered estimated, biased low (J-) and "not detected" results rejected, unusable (R) in re-extracted sample MW-9RE.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences (RPDs) for 4-nitroaniline and 3,3'-dichlorobenzidine were above the allowable maximum and 1 of 2 percent recoveries (%Rs) for 2-chlorophenol was below QC limits, but not below 30% for aqueous MS/MSD sample MW-7. The "not detected" result for 2-chlorophenol should be considered estimated (UJ) in sample MW-7.

The RPD for 3,3'-dichlorobenzidine was above the allowable maximum; 1 of 2 %Rs for benzo(a)pyrene was above QC limits; and 1 of 2 %Rs for 3,3'-dichlorobenzidine was below QC limits and below 30% for aqueous re-extracted MS/MSD sample MW-7RE. The "not detected" result for 3,3'-dichlorobenzidine should be considered rejected, unusable (R) in re-extracted sample MW-7RE.

Laboratory Control Sample: The relative percent differences (RPDs) for target compounds were below the allowable maximum, but 2 of 2 percent recoveries (%Rs) for 2,4-dimethylphenol were below QC limits, but not below 30% for aqueous samples RQ2100848-06 and RQ2100848-07. Positive results for 2,4-dimethylphenol should be considered estimated, biased low (J-) and "not detected" results estimated (UJ) in associated aqueous samples.

The RPDs for target compounds were below the allowable maximum, but 2 of 2 %Rs for benzo(a)pyrene were above QC limits for aqueous samples RQ2101189-02 and RQ2101189-03. Positive results for benzo(a)pyrene should be considered estimated, biased high (J+) in associated aqueous samples.

Field Duplicates: The analyses of aqueous field duplicate pair MW-5/MW-D reported target compounds as not detected; therefore, valid relative percent differences could not be calculated. The analyses for the field duplicate pair were acceptable.

Compound ID: Checked compound and surrogate results were within quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in the method.

Client: Asbestos & Environmental Consulting Corporation **Service Request:** R2100574
Project: 700 Outparcel/20-011
Sample Matrix: Water

SURROGATE RECOVERY SUMMARY
Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Extraction Method: EPA 3510C

Sample Name	Lab Code	2,4,6-Tribromophenol 35-141	2-Fluorobiphenyl 31-118	2-Fluorophenol 10-105
MW-5	R2100574-001	33*	32	27
MW-5 RE	R2100574-001	80	46	38
MW-7	R2100574-002	69	50	36
MW-7 RE	R2100574-002	106	72	46
MW-8	R2100574-003	69	64	37
MW-8 RE	R2100574-003	103	62	44
MW-9	R2100574-004	65	55	31
MW-9 RE	R2100574-004	73	18*	24
MW-D	R2100574-005	65	59	34
MW-D RE	R2100574-005	82	43	32
Method Blank	RQ2100848-05	59	58	37
Method Blank	RQ2101189-01	106	68	43
Lab Control Sample	RQ2100848-06	61	53	31
Duplicate Lab Control Sample	RQ2100848-07	70	67	34
Lab Control Sample	RQ2101189-02	116	76	50
Duplicate Lab Control Sample	RQ2101189-03	115	77	45
MW-7 MS	RQ2100848-01	65	57	32
MW-7 DMS	RQ2100848-02	56	54	28
MW-7 MS	RQ2101189-04	106	69	48
MW-7 DMS	RQ2101189-05	119	84	57

Client: Asbestos & Environmental Consulting Corporation **Service Request:** R2100574
Project: 700 Outparcel/20-011
Sample Matrix: Water

SURROGATE RECOVERY SUMMARY
Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Extraction Method: EPA 3510C

Sample Name	Lab Code	Nitrobenzene-d5 31-110	Phenol-d6 10-107	Terphenyl-d14 10-165
MW-5	R2100574-001	27*	20	46
MW-5 RE	R2100574-001	47	27	117
MW-7	R2100574-002	45	25	74
MW-7 RE	R2100574-002	73	29	115
MW-8	R2100574-003	62	25	55
MW-8 RE	R2100574-003	72	30	91
MW-9	R2100574-004	49	21	61
MW-9 RE	R2100574-004	20*	19	106
MW-D	R2100574-005	54	23	63
MW-D RE	R2100574-005	46	24	108
Method Blank	RQ2100848-05	55	25	71
Method Blank	RQ2101189-01	75	30	128
Lab Control Sample	RQ2100848-06	46	22	61
Duplicate Lab Control Sample	RQ2100848-07	55	27	72
Lab Control Sample	RQ2101189-02	74	36	125
Duplicate Lab Control Sample	RQ2101189-03	75	34	129
MW-7 MS	RQ2100848-01	47	24	61
MW-7 DMS	RQ2100848-02	37	22	61
MW-7 MS	RQ2101189-04	69	32	110
MW-7 DMS	RQ2101189-05	85	39	114

Client:	Asbestos & Environmental Consulting Corporation	**Service Request:**	R2100574
Project:	700 Outparcel/20-011	**Date Collected:**	01/20/21
Sample Matrix:	Water	**Date Received:**	01/21/21
		Date Analyzed:	01/29/21
		Date Extracted:	01/27/21

Duplicate Matrix Spike Summary
Semivolatile Organic Compounds by GC/MS

Sample Name:	MW-7	**Units:**	ug/L
Lab Code:	R2100574-002	**Basis:**	NA
Analysis Method:	8270D		
Prep Method:	EPA 3510C		

		Matrix Spike RQ2100848-01			Duplicate Matrix Spike RQ2100848-02					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,2,4,5-Tetrachlorobenzene	9.1 U	35.8	72.8	49	30.1	72.8	41	15-132	18	30
2,3,4,6-Tetrachlorophenol	9.1 U	45.0	72.7	62	40.6	72.7	56	42-136	10	30
2,4,5-Trichlorophenol	9.1 U	41.8	72.7	58	36.1	72.7	50	48-134	15	30
2,4,6-Trichlorophenol	9.1 U	38.3	72.7	53	35.8	72.7	49	44-135	8	30
2,4-Dichlorophenol	9.1 U	35.2	72.7	48	31.2	72.7	43	40-130	11	30
2,4-Dimethylphenol	9.1 U	34.9	72.7	48	33.9	72.7	47	42-121	2	30
2,4-Dinitrophenol	45 U	31.0 J	72.7	43	29.3 J	72.7	40	21-168	7	30
2,4-Dinitrotoluene	9.1 U	48.9	72.7	67	46.6	72.7	64	37-143	5	30
2,6-Dinitrotoluene	9.1 U	49.6	72.7	68	52.4	72.7	72	39-136	6	30
2-Chloronaphthalene	9.1 U	37.4	72.7	51	35.2	72.7	48	40-108	6	30
2-Chlorophenol	9.1 U	30.2	72.7	42	26.1	72.7	36 *	37-112	15	30
2-Methylnaphthalene	9.1 U	33.6	72.7	46	32.8	72.7	45	34-102	2	30
2-Methylphenol	9.1 U	32.9	72.7	45	30.1	72.7	41	37-102	9	30
2-Nitroaniline	9.1 U	40.1	72.7	55	45.0	72.7	62	40-136	12	30
2-Nitrophenol	9.1 U	33.0	72.7	45	28.2	72.7	39	27-143	14	30
3,3'-Dichlorobenzidine	9.1 U	8.77 J	72.7	12	27.4	72.7	38	11-131	104*	30
3- and 4-Methylphenol Coelution	9.1 U	32.5	72.7	45	30.5	72.7	42	30-95	7	30
3-Nitroaniline	9.1 U	33.1	72.7	45	40.5	72.7	56	19-117	22	30
4,6-Dinitro-2-methylphenol	45 U	38.3 J	72.7	53	34.0 J	72.7	47	25-154	12	30
4-Bromophenyl Phenyl Ether	9.1 U	52.5	72.7	72	50.3	72.7	69	39-115	4	30
4-Chloro-3-methylphenol	9.1 U	40.5	72.7	56	41.5	72.7	57	41-126	2	30
4-Chloroaniline	9.1 U	49.3	72.7	68	48.6	72.7	67	19-111	1	30
4-Chlorophenyl Phenyl Ether	9.1 U	41.5	72.7	57	43.8	72.7	60	41-111	5	30
4-Nitroaniline	9.1 U	17.8	72.7	25	37.6	72.7	52	18-143	70*	30
4-Nitrophenol	45 U	19.4 J	72.7	27	18.1 J	72.7	25	10-126	8	30
Acenaphthene	9.1 U	42.6	72.7	59	41.2	72.7	57	43-117	3	30
Acenaphthylene	9.1 U	42.3	72.7	58	42.0	72.7	58	45-119	<1	30
Acetophenone	9.1 U	70.6	145	49	63.7	145	44	40-113	11	30
Anthracene	9.1 U	51.1	72.7	70	49.5	72.7	68	45-127	3	30
Atrazine	9.1 U	62.9	72.7	87	53.1	72.7	73	50-165	18	30
Benz(a)anthracene	9.1 U	49.1	72.7	68	46.9	72.7	64	46-126	6	30
Benzaldehyde	9.1 U	35.8	72.7	49	28.6	72.7	39	32-133	23	30
Benzo(a)pyrene	9.1 U	57.8	72.7	79	55.2	72.7	76	44-114	4	30

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

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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.

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:	Asbestos & Environmental Consulting Corporation	**Service Request:**	R2100574
Project:	700 Outparcel/20-011	**Date Collected:**	01/20/21
Sample Matrix:	Water	**Date Received:**	01/21/21
		Date Analyzed:	01/29/21
		Date Extracted:	01/27/21

Duplicate Matrix Spike Summary
Semivolatile Organic Compounds by GC/MS

Sample Name:	MW-7	**Units:**	ug/L
Lab Code:	R2100574-002	**Basis:**	NA
Analysis Method:	8270D		
Prep Method:	EPA 3510C		

		Matrix Spike RQ2100848-01			Duplicate Matrix Spike RQ2100848-02					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Benzo(b)fluoranthene	9.1 U	47.7	72.7	66	46.9	72.7	65	41-127	2	30
Benzo(g,h,i)perylene	9.1 U	58.5	72.7	80	55.6	72.7	76	50-143	5	30
Benzo(k)fluoranthene	9.1 U	51.7	72.7	71	49.6	72.7	68	46-139	4	30
Biphenyl	9.1 U	40.6	72.7	56	37.9	72.7	52	10-126	7	30
2,2'-Oxybis(1-chloropropane)	9.1 U	34.5	72.7	47	28.1	72.7	39	21-126	19	30
Bis(2-chloroethoxy)methane	9.1 U	41.1	72.7	56	39.2	72.7	54	41-118	4	30
Bis(2-chloroethyl) Ether	9.1 U	33.0	72.7	45	28.4	72.7	39	33-108	14	30
Bis(2-ethylhexyl) Phthalate	9.1 U	50.7	72.7	70	48.8	72.7	67	41-132	4	30
Butyl Benzyl Phthalate	9.1 U	50.8	72.7	70	47.3	72.7	65	41-148	7	30
Caprolactam	9.1 U	14.8	72.7	20	14.0	72.7	19	10-48	5	30
Carbazole	9.1 U	55.7	72.7	77	51.8	72.7	71	39-144	8	30
Chrysene	9.1 U	51.8	72.7	71	49.4	72.7	68	47-126	4	30
Di-n-butyl Phthalate	9.1 U	57.7	72.7	79	54.1	72.7	74	43-130	7	30
Di-n-octyl Phthalate	9.1 U	49.9	72.7	69	47.1	72.7	65	40-139	6	30
Dibenz(a,h)anthracene	9.1 U	53.1	72.7	73	49.9	72.7	69	43-136	6	30
Dibenzofuran	9.1 U	44.1	72.7	61	43.7	72.7	60	46-119	2	30
Diethyl Phthalate	9.1 U	46.0	72.7	63	44.7	72.7	61	36-122	3	30
Dimethyl Phthalate	9.1 U	51.2	72.7	70	48.9	72.7	67	33-123	4	30
Fluoranthene	9.1 U	54.8	72.7	75	51.9	72.7	71	43-135	5	30
Fluorene	9.1 U	45.4	72.7	62	45.3	72.7	62	43-113	<1	30
Hexachlorobenzene	9.1 U	50.9	72.7	70	49.6	72.7	68	42-125	3	30
Hexachlorobutadiene	9.1 U	27.9	72.7	38	23.9	72.7	33	10-111	14	30
Hexachlorocyclopentadiene	9.1 U	13.5	72.7	19	13.0	72.7	18	10-103	5	30
Hexachloroethane	9.1 U	19.6	72.7	27	16.2	72.7	22	12-101	20	30
Indeno(1,2,3-cd)pyrene	9.1 U	52.4	72.7	72	49.5	72.7	68	49-140	6	30
Isophorone	9.1 U	38.1	72.7	52	37.3	72.7	51	40-111	2	30
N-Nitrosodi-n-propylamine	9.1 U	40.2	72.7	55	36.3	72.7	50	35-108	10	30
N-Nitrosodiphenylamine	9.1 U	55.5	72.7	76	52.2	72.7	72	43-127	5	30
Naphthalene	9.1 U	31.3	72.7	43	27.3	72.7	38	37-108	12	30
Nitrobenzene	9.1 U	38.8	72.7	53	31.0	72.7	43	35-112	21	30
Pentachlorophenol (PCP)	45 U	37.1 J	72.7	51	30.0 J	72.7	41	29-164	22	30
Phenanthrene	9.1 U	48.7	72.7	67	47.8	72.7	66	46-123	2	30
Phenol	9.1 U	16.4	72.7	23	15.5	72.7	21	10-113	9	30

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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.

Client:	Asbestos & Environmental Consulting Corporation	**Service Request:**	R2100574
Project:	700 Outparcel/20-011	**Date Collected:**	01/20/21
Sample Matrix:	Water	**Date Received:**	01/21/21
		Date Analyzed:	01/29/21
		Date Extracted:	01/27/21

Duplicate Matrix Spike Summary
Semivolatile Organic Compounds by GC/MS

Sample Name:	MW-7	**Units:**	ug/L
Lab Code:	R2100574-002	**Basis:**	NA
Analysis Method:	8270D		
Prep Method:	EPA 3510C		

		Matrix Spike RQ2100848-01			**Duplicate Matrix Spike** RQ2100848-02					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Pyrene	9.1 U	54.8	72.7	75	51.6	72.7	71	44-129	5	30

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Client:	Asbestos & Environmental Consulting Corporation	**Service Request:**	R2100574
Project:	700 Outparcel/20-011	**Date Collected:**	01/20/21
Sample Matrix:	Water	**Date Received:**	01/21/21
		Date Analyzed:	02/9/21
		Date Extracted:	02/5/21

Duplicate Matrix Spike Summary
Semivolatile Organic Compounds by GC/MS

Sample Name:	MW-7 RE	**Units:**	ug/L
Lab Code:	R2100574-002	**Basis:**	NA
Analysis Method:	8270D		
Prep Method:	EPA 3510C		

		Matrix Spike RQ2101189-04			Duplicate Matrix Spike RQ2101189-05					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,2,4,5-Tetrachlorobenzene	9.1 U	43.5	72.8	60	52.4	72.8	72	15-132	18	30
2,3,4,6-Tetrachlorophenol	9.1 U	64.8	72.7	89	73.4	72.7	101	42-136	13	30
2,4,5-Trichlorophenol	9.1 U	52.2	72.7	72	63.5	72.7	87	48-134	19	30
2,4,6-Trichlorophenol	9.1 U	50.7	72.7	70	59.3	72.7	82	44-135	16	30
2,4-Dichlorophenol	9.1 U	43.1	72.7	59	55.6	72.7	76	40-130	25	30
2,4-Dimethylphenol	9.1 U	43.3	72.7	60	52.4	72.7	72	42-121	18	30
2,4-Dinitrophenol	45 U	54.5	72.7	75	60.2	72.7	83	21-168	10	30
2,4-Dinitrotoluene	9.1 U	68.7	72.7	94	70.5	72.7	97	37-143	3	30
2,6-Dinitrotoluene	9.1 U	67.5	72.7	93	68.8	72.7	95	39-136	2	30
2-Chloronaphthalene	9.1 U	41.2	72.7	57	51.7	72.7	71	40-108	22	30
2-Chlorophenol	9.1 U	41.0	72.7	56	50.0	72.7	69	37-112	21	30
2-Methylnaphthalene	9.1 U	39.5	72.7	54	49.8	72.7	69	34-102	24	30
2-Methylphenol	9.1 U	44.9	72.7	62	54.1	72.7	74	37-102	18	30
2-Nitroaniline	9.1 U	65.7	72.7	90	70.7	72.7	97	40-136	7	30
2-Nitrophenol	9.1 U	43.5	72.7	60	55.1	72.7	76	27-143	24	30
3,3'-Dichlorobenzidine	9.1 U	3.99 J	72.7	5 *	10.5	72.7	14	11-131	95*	30
3- and 4-Methylphenol Coelution	9.1 U	44.5	72.7	61	51.4	72.7	71	30-95	15	30
3-Nitroaniline	9.1 U	28.4	72.7	39	37.9	72.7	52	19-117	29	30
4,6-Dinitro-2-methylphenol	45 U	54.7	72.7	75	62.5	72.7	86	25-154	14	30
4-Bromophenyl Phenyl Ether	9.1 U	72.8	72.7	100	70.3	72.7	97	39-115	3	30
4-Chloro-3-methylphenol	9.1 U	60.4	72.7	83	66.0	72.7	91	41-126	9	30
4-Chloroaniline	9.1 U	55.4	72.7	76	53.3	72.7	73	19-111	4	30
4-Chlorophenyl Phenyl Ether	9.1 U	55.7	72.7	77	58.4	72.7	80	41-111	4	30
4-Nitroaniline	9.1 U	20.2	72.7	28	27.8	72.7	38	18-143	30	30
4-Nitrophenol	45 U	35.6 J	72.7	49	38.6 J	72.7	53	10-126	8	30
Acenaphthene	9.1 U	48.6	72.7	67	58.4	72.7	80	43-117	18	30
Acenaphthylene	9.1 U	50.4	72.7	69	60.7	72.7	83	45-119	18	30
Acetophenone	9.1 U	92.7	145	64	118	145	81	40-113	23	30
Anthracene	9.1 U	68.0	72.7	93	67.9	72.7	93	45-127	<1	30
Atrazine	9.1 U	82.7	72.7	114	86.4	72.7	119	50-165	4	30
Benz(a)anthracene	9.1 U	65.7	72.7	90	65.8	72.7	90	46-126	<1	30
Benzaldehyde	9.1 U	49.3	72.7	68	64.3	72.7	88	32-133	26	30
Benzo(a)pyrene	9.1 U	83.9	72.7	115 *	83.1	72.7	114	44-114	<1	30

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Client:	Asbestos & Environmental Consulting Corporation	**Service Request:**	R2100574
Project:	700 Outparcel/20-011	**Date Collected:**	01/20/21
Sample Matrix:	Water	**Date Received:**	01/21/21
		Date Analyzed:	02/9/21
		Date Extracted:	02/5/21

Duplicate Matrix Spike Summary
Semivolatile Organic Compounds by GC/MS

Sample Name:	MW-7 RE	**Units:**	ug/L
Lab Code:	R2100574-002	**Basis:**	NA
Analysis Method:	8270D		
Prep Method:	EPA 3510C		

		Matrix Spike RQ2101189-04			Duplicate Matrix Spike RQ2101189-05					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Benzo(b)fluoranthene	9.1 U	67.7	72.7	93	66.3	72.7	91	41-127	2	30
Benzo(g,h,i)perylene	9.1 U	77.4	72.7	106	77.5	72.7	107	50-143	<1	30
Benzo(k)fluoranthene	9.1 U	71.6	72.7	98	70.5	72.7	97	46-139	1	30
Biphenyl	9.1 U	47.1	72.7	65	57.8	72.7	79	10-126	19	30
2,2'-Oxybis(1-chloropropane)	9.1 U	42.5	72.7	58	53.6	72.7	74	21-126	24	30
Bis(2-chloroethoxy)methane	9.1 U	51.7	72.7	71	64.1	72.7	88	41-118	21	30
Bis(2-chloroethyl) Ether	9.1 U	46.1	72.7	63	58.6	72.7	81	33-108	25	30
Bis(2-ethylhexyl) Phthalate	9.1 U	70.6	72.7	97	72.0	72.7	99	41-132	2	30
Butyl Benzyl Phthalate	9.1 U	67.1	72.7	92	68.9	72.7	95	41-148	3	30
Caprolactam	9.1 U	23.0	72.7	32	23.5	72.7	32	10-48	<1	30
Carbazole	9.1 U	82.4	72.7	113	78.4	72.7	108	39-144	5	30
Chrysene	9.1 U	70.8	72.7	97	70.8	72.7	97	47-126	<1	30
Di-n-butyl Phthalate	9.1 U	81.3	72.7	112	81.3	72.7	112	43-130	<1	30
Di-n-octyl Phthalate	9.1 U	68.2	72.7	94	68.8	72.7	95	40-139	1	30
Dibenz(a,h)anthracene	9.1 U	74.5	72.7	102	75.5	72.7	104	43-136	2	30
Dibenzofuran	9.1 U	53.2	72.7	73	61.0	72.7	84	46-119	14	30
Diethyl Phthalate	9.1 U	58.5	72.7	80	62.4	72.7	86	36-122	7	30
Dimethyl Phthalate	9.1 U	69.2	72.7	95	70.9	72.7	97	33-123	2	30
Fluoranthene	9.1 U	80.3	72.7	110	75.3	72.7	104	43-135	6	30
Fluorene	9.1 U	58.2	72.7	80	63.3	72.7	87	43-113	8	30
Hexachlorobenzene	9.1 U	76.0	72.7	104	77.5	72.7	107	42-125	3	30
Hexachlorobutadiene	9.1 U	33.6	72.7	46	42.4	72.7	58	10-111	23	30
Hexachlorocyclopentadiene	9.1 U	27.8	72.7	38	34.9	72.7	48	10-103	23	30
Hexachloroethane	9.1 U	33.0	72.7	45	40.8	72.7	56	12-101	22	30
Indeno(1,2,3-cd)pyrene	9.1 U	77.9	72.7	107	76.7	72.7	105	49-140	2	30
Isophorone	9.1 U	46.1	72.7	63	52.7	72.7	72	40-111	13	30
N-Nitrosodi-n-propylamine	9.1 U	56.6	72.7	78	71.0	72.7	98	35-108	23	30
N-Nitrosodiphenylamine	9.1 U	77.1	72.7	106	75.8	72.7	104	43-127	2	30
Naphthalene	9.1 U	38.4	72.7	53	47.5	72.7	65	37-108	20	30
Nitrobenzene	9.1 U	51.5	72.7	71	65.2	72.7	90	35-112	24	30
Pentachlorophenol (PCP)	45 U	71.8	72.7	99	78.0	72.7	107	29-164	8	30
Phenanthrene	9.1 U	65.1	72.7	90	62.5	72.7	86	46-123	5	30
Phenol	9.1 U	24.4	72.7	34	28.1	72.7	39	10-113	14	30

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Client:	Asbestos & Environmental Consulting Corporation	**Service Request:**	R2100574
Project:	700 Outparcel/20-011	**Date Collected:**	01/20/21
Sample Matrix:	Water	**Date Received:**	01/21/21
		Date Analyzed:	02/9/21
		Date Extracted:	02/5/21

Duplicate Matrix Spike Summary
Semivolatile Organic Compounds by GC/MS

Sample Name:	MW-7 RE	**Units:**	ug/L
Lab Code:	R2100574-002	**Basis:**	NA
Analysis Method:	8270D		
Prep Method:	EPA 3510C		

		Matrix Spike RQ2101189-04			Duplicate Matrix Spike RQ2101189-05					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Pyrene	9.1 U	65.6	72.7	90	67.2	72.7	92	44-129	2	30

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Client: Asbestos & Environmental Consulting Corporation
Project: 700 Outparcel/20-011
Sample Matrix: Water

Service Request: R2100574
Date Analyzed: 02/02/21

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

Units:ug/L
Basis:NA

		Lab Control Sample RQ2100848-06			Duplicate Lab Control Sample RQ2100848-07					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,2,4,5-Tetrachlorobenzene	8270D	38.9	80.1	49	45.9	80.1	57	15-132	15	30
2,3,4,6-Tetrachlorophenol	8270D	52.0	80.0	65	53.0	80.0	66	42-136	2	30
2,4,5-Trichlorophenol	8270D	50.8	80.0	64	49.5	80.0	62	48-134	3	30
2,4,6-Trichlorophenol	8270D	47.2	80.0	59	48.6	80.0	61	44-135	3	30
2,4-Dichlorophenol	8270D	42.1	80.0	53	42.8	80.0	53	48-127	<1	30
2,4-Dimethylphenol	8270D	41.5	80.0	52 *	40.7	80.0	51 *	59-113	2	30
2,4-Dinitrophenol	8270D	30.9 J	80.0	39	28.4 J	80.0	36	21-154	8	30
2,4-Dinitrotoluene	8270D	57.1	80.0	71	58.0	80.0	72	54-130	1	30
2,6-Dinitrotoluene	8270D	60.5	80.0	76	56.8	80.0	71	51-127	7	30
2-Chloronaphthalene	8270D	41.7	80.0	52	45.5	80.0	57	40-108	9	30
2-Chlorophenol	8270D	36.3	80.0	45	35.9	80.0	45	42-112	<1	30
2-Methylnaphthalene	8270D	37.5	80.0	47	42.5	80.0	53	34-102	12	30
2-Methylphenol	8270D	38.8	80.0	49	38.5	80.0	48	47-100	2	30
2-Nitroaniline	8270D	56.5	80.0	71	53.2	80.0	67	52-133	6	30
2-Nitrophenol	8270D	38.5	80.0	48	40.6	80.0	51	43-131	6	30
3,3'-Dichlorobenzidine	8270D	60.2	80.0	75	59.2	80.0	74	43-126	1	30
3- and 4-Methylphenol Coelution	8270D	39.7	80.0	50	36.4	80.0	45	40-92	11	30
3-Nitroaniline	8270D	52.5	80.0	66	44.5	80.0	56	42-111	16	30
4,6-Dinitro-2-methylphenol	8270D	42.6 J	80.0	53	43.2 J	80.0	54	36-152	2	30
4-Bromophenyl Phenyl Ether	8270D	63.7	80.0	80	65.0	80.0	81	48-114	1	30
4-Chloro-3-methylphenol	8270D	49.5	80.0	62	48.5	80.0	61	52-113	2	30
4-Chloroaniline	8270D	49.3	80.0	62	47.0	80.0	59	44-109	5	30
4-Chlorophenyl Phenyl Ether	8270D	53.5	80.0	67	52.9	80.0	66	51-107	2	30
4-Nitroaniline	8270D	53.7	80.0	67	51.6	80.0	65	54-133	3	30
4-Nitrophenol	8270D	24.8 J	80.0	31	21.0 J	80.0	26	10-126	18	30
Acenaphthene	8270D	47.2	80.0	59	50.5	80.0	63	52-107	7	30
Acenaphthylene	8270D	48.8	80.0	61	53.3	80.0	67	55-109	9	30
Acetophenone	8270D	82.9	160	52	92.9	160	58	46-114	11	30
Anthracene	8270D	60.0	80.0	75	59.5	80.0	74	55-116	1	30
Atrazine	8270D	64.0	80.0	80	71.9	80.0	90	61-164	12	30
Benz(a)anthracene	8270D	57.0	80.0	71	56.4	80.0	70	61-121	1	30
Benzaldehyde	8270D	39.3	80.0	49	44.9	80.0	56	45-132	13	30
Benzo(a)pyrene	8270D	68.9	80.0	86	66.4	80.0	83	44-114	4	30

Client: Asbestos & Environmental Consulting Corporation
Project: 700 Outparcel/20-011
Sample Matrix: Water

Service Request: R2100574
Date Analyzed: 02/02/21

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

Units:ug/L
Basis:NA

		Lab Control Sample RQ2100848-06			Duplicate Lab Control Sample RQ2100848-07					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Benzo(b)fluoranthene	8270D	57.3	80.0	72	54.8	80.0	69	62-115	4	30
Benzo(g,h,i)perylene	8270D	67.3	80.0	84	63.4	80.0	79	63-136	6	30
Benzo(k)fluoranthene	8270D	61.8	80.0	77	58.8	80.0	74	49-133	4	30
Biphenyl	8270D	42.4	80.0	53	51.1	80.0	64	39-106	19	30
2,2'-Oxybis(1-chloropropane)	8270D	37.8	80.0	47	42.1	80.0	53	32-122	12	30
Bis(2-chloroethoxy)methane	8270D	50.6	80.0	63	51.4	80.0	64	55-110	2	30
Bis(2-chloroethyl) Ether	8270D	41.6	80.0	52	42.0	80.0	52	46-102	<1	30
Bis(2-ethylhexyl) Phthalate	8270D	59.5	80.0	74	57.2	80.0	71	51-132	4	30
Butyl Benzyl Phthalate	8270D	55.9	80.0	70	56.3	80.0	70	41-148	<1	30
Caprolactam	8270D	16.0	80.0	20	17.4	80.0	22	10-41	10	30
Carbazole	8270D	66.4	80.0	83	65.5	80.0	82	56-139	1	30
Chrysene	8270D	59.2	80.0	74	57.7	80.0	72	57-118	3	30
Di-n-butyl Phthalate	8270D	67.7	80.0	85	66.7	80.0	83	57-128	2	30
Di-n-octyl Phthalate	8270D	57.8	80.0	72	54.7	80.0	68	62-124	6	30
Dibenz(a,h)anthracene	8270D	61.5	80.0	77	57.4	80.0	72	54-135	7	30
Dibenzofuran	8270D	51.5	80.0	64	54.3	80.0	68	55-110	6	30
Diethyl Phthalate	8270D	52.9	80.0	66	53.5	80.0	67	53-113	2	30
Dimethyl Phthalate	8270D	61.2	80.0	76	60.0	80.0	75	51-112	1	30
Fluoranthene	8270D	66.0	80.0	82	62.6	80.0	78	66-127	5	30
Fluorene	8270D	56.5	80.0	71	56.5	80.0	71	54-106	<1	30
Hexachlorobenzene	8270D	63.4	80.0	79	63.2	80.0	79	53-123	<1	30
Hexachlorobutadiene	8270D	32.6	80.0	41	34.5	80.0	43	16-95	5	30
Hexachlorocyclopentadiene	8270D	15.7	80.0	20	18.0	80.0	23	10-99	14	30
Hexachloroethane	8270D	23.2	80.0	29	26.6	80.0	33	15-92	13	30
Indeno(1,2,3-cd)pyrene	8270D	60.5	80.0	76	57.5	80.0	72	62-137	5	30
Isophorone	8270D	46.4	80.0	58	46.6	80.0	58	50-116	<1	30
N-Nitrosodi-n-propylamine	8270D	49.4	80.0	62	48.4	80.0	61	49-115	2	30
N-Nitrosodiphenylamine	8270D	65.4	80.0	82	66.3	80.0	83	45-123	1	30
Naphthalene	8270D	34.1	80.0	43	38.7	80.0	48	38-99	11	30
Nitrobenzene	8270D	41.1	80.0	51	40.2	80.0	50	46-108	2	30
Pentachlorophenol (PCP)	8270D	45.1 J	80.0	56	40.7 J	80.0	51	29-164	9	30
Phenanthrene	8270D	57.0	80.0	71	58.5	80.0	73	58-118	3	30
Phenol	8270D	20.6	80.0	26	20.6	80.0	26	10-113	<1	30

Client: Asbestos & Environmental Consulting Corporation
Project: 700 Outparcel/20-011
Sample Matrix: Water

Service Request: R2100574
Date Analyzed: 02/02/21

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

Units:ug/L
Basis:NA

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ2100848-06			RQ2100848-07					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Pyrene	8270D	62.0	80.0	78	61.6	80.0	77	61-122	1	30

Client: Asbestos & Environmental Consulting Corporation
Project: 700 Outparcel/20-011
Sample Matrix: Water

Service Request: R2100574
Date Analyzed: 02/09/21

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

Units:ug/L
Basis:NA

		Lab Control Sample RQ2101189-02			Duplicate Lab Control Sample RQ2101189-03					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,2,4,5-Tetrachlorobenzene	8270D	52.5	80.1	66	51.7	80.1	65	15-132	2	30
2,3,4,6-Tetrachlorophenol	8270D	82.8	80.0	103	85.0	80.0	106	42-136	3	30
2,4,5-Trichlorophenol	8270D	67.6	80.0	85	66.7	80.0	83	48-134	2	30
2,4,6-Trichlorophenol	8270D	62.9	80.0	79	62.8	80.0	78	44-135	1	30
2,4-Dichlorophenol	8270D	55.2	80.0	69	53.8	80.0	67	48-127	3	30
2,4-Dimethylphenol	8270D	62.0	80.0	78	61.1	80.0	76	59-113	3	30
2,4-Dinitrophenol	8270D	40.8 J	80.0	51	51.7	80.0	65	21-154	24	30
2,4-Dinitrotoluene	8270D	84.7	80.0	106	81.9	80.0	102	54-130	4	30
2,6-Dinitrotoluene	8270D	81.4	80.0	102	82.3	80.0	103	51-127	<1	30
2-Chloronaphthalene	8270D	51.2	80.0	64	53.3	80.0	67	40-108	5	30
2-Chlorophenol	8270D	48.5	80.0	61	44.0	80.0	55	42-112	10	30
2-Methylnaphthalene	8270D	45.6	80.0	57	49.7	80.0	62	34-102	8	30
2-Methylphenol	8270D	54.0	80.0	67	52.9	80.0	66	47-100	2	30
2-Nitroaniline	8270D	96.4	80.0	121	96.2	80.0	120	52-133	<1	30
2-Nitrophenol	8270D	55.1	80.0	69	55.8	80.0	70	43-131	1	30
3,3'-Dichlorobenzidine	8270D	77.6	80.0	97	79.0	80.0	99	43-126	2	30
3- and 4-Methylphenol Coelution	8270D	54.1	80.0	68	50.1	80.0	63	40-92	8	30
3-Nitroaniline	8270D	72.6	80.0	91	70.3	80.0	88	42-111	3	30
4,6-Dinitro-2-methylphenol	8270D	72.1	80.0	90	70.6	80.0	88	36-152	2	30
4-Bromophenyl Phenyl Ether	8270D	83.1	80.0	104	87.6	80.0	110	48-114	6	30
4-Chloro-3-methylphenol	8270D	71.2	80.0	89	73.8	80.0	92	52-113	3	30
4-Chloroaniline	8270D	64.8	80.0	81	68.3	80.0	85	44-109	5	30
4-Chlorophenyl Phenyl Ether	8270D	66.6	80.0	83	69.5	80.0	87	51-107	5	30
4-Nitroaniline	8270D	78.5	80.0	98	81.9	80.0	102	54-133	4	30
4-Nitrophenol	8270D	41.5 J	80.0	52	41.9 J	80.0	52	10-126	<1	30
Acenaphthene	8270D	61.5	80.0	77	63.7	80.0	80	52-107	4	30
Acenaphthylene	8270D	62.7	80.0	78	65.1	80.0	81	55-109	4	30
Acetophenone	8270D	116	160	73	118	160	74	46-114	1	30
Anthracene	8270D	83.6	80.0	105	84.2	80.0	105	55-116	<1	30
Atrazine	8270D	91.0	80.0	114	91.8	80.0	115	61-164	<1	30
Benz(a)anthracene	8270D	74.1	80.0	93	76.8	80.0	96	61-121	3	30
Benzaldehyde	8270D	60.6	80.0	76	57.9	80.0	72	45-132	5	30
Benzo(a)pyrene	8270D	95.5	80.0	119 *	100	80.0	125 *	44-114	5	30

Client: Asbestos & Environmental Consulting Corporation
Project: 700 Outparcel/20-011
Sample Matrix: Water

Service Request: R2100574
Date Analyzed: 02/09/21

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

Units:ug/L
Basis:NA

		Lab Control Sample RQ2101189-02			Duplicate Lab Control Sample RQ2101189-03					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Benzo(b)fluoranthene	8270D	74.1	80.0	93	80.1	80.0	100	62-115	7	30
Benzo(g,h,i)perylene	8270D	86.4	80.0	108	91.0	80.0	114	63-136	5	30
Benzo(k)fluoranthene	8270D	82.2	80.0	103	85.6	80.0	107	49-133	4	30
Biphenyl	8270D	56.6	80.0	71	56.3	80.0	70	39-106	1	30
2,2'-Oxybis(1-chloropropane)	8270D	53.2	80.0	66	56.2	80.0	70	32-122	6	30
Bis(2-chloroethoxy)methane	8270D	64.6	80.0	81	65.8	80.0	82	55-110	1	30
Bis(2-chloroethyl) Ether	8270D	58.3	80.0	73	54.7	80.0	68	46-102	7	30
Bis(2-ethylhexyl) Phthalate	8270D	78.0	80.0	97	78.1	80.0	98	51-132	1	30
Butyl Benzyl Phthalate	8270D	77.9	80.0	97	80.3	80.0	100	41-148	3	30
Caprolactam	8270D	24.8	80.0	31	26.5	80.0	33	10-41	6	30
Carbazole	8270D	89.4	80.0	112	94.3	80.0	118	56-139	5	30
Chrysene	8270D	78.7	80.0	98	82.2	80.0	103	57-118	5	30
Di-n-butyl Phthalate	8270D	92.8	80.0	116	96.6	80.0	121	57-128	4	30
Di-n-octyl Phthalate	8270D	77.4	80.0	97	80.0	80.0	100	62-124	3	30
Dibenz(a,h)anthracene	8270D	83.6	80.0	105	87.7	80.0	110	54-135	5	30
Dibenzofuran	8270D	64.0	80.0	80	66.5	80.0	83	55-110	4	30
Diethyl Phthalate	8270D	70.1	80.0	88	69.8	80.0	87	53-113	1	30
Dimethyl Phthalate	8270D	80.2	80.0	100	80.3	80.0	100	51-112	<1	30
Fluoranthene	8270D	86.8	80.0	109	90.7	80.0	113	66-127	4	30
Fluorene	8270D	71.4	80.0	89	73.6	80.0	92	54-106	3	30
Hexachlorobenzene	8270D	86.7	80.0	108	91.9	80.0	115	53-123	6	30
Hexachlorobutadiene	8270D	39.9	80.0	50	41.7	80.0	52	16-95	4	30
Hexachlorocyclopentadiene	8270D	32.8	80.0	41	30.8	80.0	39	10-99	5	30
Hexachloroethane	8270D	38.6	80.0	48	35.7	80.0	45	15-92	6	30
Indeno(1,2,3-cd)pyrene	8270D	87.1	80.0	109	91.3	80.0	114	62-137	4	30
Isophorone	8270D	55.2	80.0	69	56.4	80.0	70	50-116	1	30
N-Nitrosodi-n-propylamine	8270D	72.2	80.0	90	72.9	80.0	91	49-115	1	30
N-Nitrosodiphenylamine	8270D	83.4	80.0	104	85.3	80.0	107	45-123	3	30
Naphthalene	8270D	44.9	80.0	56	48.0	80.0	60	38-99	7	30
Nitrobenzene	8270D	57.5	80.0	72	58.9	80.0	74	46-108	3	30
Pentachlorophenol (PCP)	8270D	89.5	80.0	112	91.1	80.0	114	29-164	2	30
Phenanthrene	8270D	73.6	80.0	92	76.5	80.0	96	58-118	4	30
Phenol	8270D	27.8	80.0	35	27.3	80.0	34	10-113	3	30

Client: Asbestos & Environmental Consulting Corporation
Project: 700 Outparcel/20-011
Sample Matrix: Water

Service Request: R2100574
Date Analyzed: 02/09/21

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

Units:ug/L
Basis:NA

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ2101189-02			RQ2101189-03					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Pyrene	8270D	74.5	80.0	93	76.3	80.0	95	61-122	2	30

Client: Asbestos & Environmental Consulting Corporation
Project: 700 Outparcel/20-011

Service Request: R2100574
Date Analyzed: 01/29/21 15:08

Continuing Calibration Verification (CCV) Summary
Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
File ID: I:\ACQUDATA\5973A\DATA\012921\EB674.D\
Signal ID: 1

Calibration Date: 11/25/2020
Calibration ID: RC2100006
Analysis Lot: 711788
Units: ppm

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
1,2,4,5-Tetrachlorobenzene	40.0	41.3	0.5189	0.5361	3.3	NA	±20	Average RF
2,3,4,6-Tetrachlorophenol	40.0	38.6	0.2939	0.2839	-3.4	NA	±20	Average RF
2,4,5-Trichlorophenol	40.0	38.5	0.42	0.4047	-3.6	NA	±20	Average RF
2,4,6-Trichlorophenol	40.0	40.5	0.4052	0.4106	1.3	NA	±20	Average RF
2,4-Dichlorophenol	40.0	40.0	0.339	0.339	0.0	NA	±20	Average RF
2,4-Dimethylphenol	40.0	39.7	0.408	0.4054	-0.6	NA	±20	Average RF
2,4-Dinitrophenol	40.0	35.4	0.1893	0.1768	NA	-11.6	±20	Quadratic
2,4-Dinitrotoluene	40.0	40.1	0.4228	0.4241	0.3	NA	±20	Average RF
2,6-Dinitrotoluene	40.0	39.0	0.3254	0.3175	-2.4	NA	±20	Average RF
2-Chloronaphthalene	40.0	40.5	1.2114	1.2272	1.3	NA	±20	Average RF
2-Chlorophenol	40.0	40.2	1.6593	1.6668	0.4	NA	±20	Average RF
2-Methylnaphthalene	40.0	40.1	0.7309	0.7336	0.4	NA	±20	Average RF
2-Methylphenol	40.0	38.6	1.5048	1.4514	-3.5	NA	±20	Average RF
2-Nitroaniline	40.0	38.0	0.3177	0.3014	-5.1	NA	±20	Average RF
2-Nitrophenol	40.0	40.2	0.2429	0.2439	0.4	NA	±20	Average RF
3,3'-Dichlorobenzidine	40.0	42.4	0.482	0.5108	6.0	NA	±20	Average RF
3- and 4-Methylphenol Coelution	40.0	40.0	1.5577	1.5574	0.0	NA	±20	Average RF
3-Nitroaniline	40.0	37.6	0.4134	0.3882	-6.1	NA	±20	Average RF
4,6-Dinitro-2-methylphenol	40.0	34.5	0.1755	0.1657	NA	-13.8	±20	Quadratic
4-Bromophenyl Phenyl Ether	40.0	37.8	0.2167	0.205	-5.4	NA	±20	Average RF
4-Chloro-3-methylphenol	40.0	39.3	0.3436	0.3376	-1.8	NA	±20	Average RF
4-Chloroaniline	40.0	43.1	0.4372	0.4709	7.7	NA	±20	Average RF
4-Chlorophenyl Phenyl Ether	40.0	40.0	0.624	0.6242	0.0	NA	±20	Average RF
4-Nitroaniline	40.0	38.5	0.4594	0.4426	-3.7	NA	±20	Average RF
4-Nitrophenol	40.0	38.0	0.2612	0.248	-5.0	NA	±20	Average RF
Acenaphthene	40.0	40.6	1.2543	1.2726	1.5	NA	±20	Average RF
Acenaphthylene	40.0	41.7	1.8568	1.9354	4.2	NA	±20	Average RF
Acetophenone	40.0	40.4	1.8978	1.918	1.1	NA	±20	Average RF
Anthracene	40.0	41.1	1.1025	1.1333	2.8	NA	±20	Average RF
Atrazine	40.0	35.4	0.1051	0.093	-11.6	NA	±20	Average RF
Benz(a)anthracene	40.0	40.2	1.299	1.3064	0.6	NA	±20	Average RF
Benzaldehyde	40.0	38.4	1.0753	1.032	-4.0	NA	±20	Average RF
Benzo(a)pyrene	40.0	40.7	0.966	0.9835	1.8	NA	±20	Average RF
Benzo(b)fluoranthene	40.0	40.4	1.2345	1.2475	1.0	NA	±20	Average RF
Benzo(g,h,i)perylene	40.0	44.2	1.0587	1.1708	10.6	NA	±20	Average RF
Benzo(k)fluoranthene	40.0	39.9	1.1541	1.1526	-0.1	NA	±20	Average RF
Biphenyl	40.0	39.9	1.5971	1.5939	-0.2	NA	±20	Average RF
2,2'-Oxybis(1-chloropropane)	40.0	41.9	1.2247	1.2816	4.6	NA	±20	Average RF
Bis(2-chloroethoxy)methane	40.0	41.3	0.4319	0.4459	3.2	NA	±20	Average RF

Client: Asbestos & Environmental Consulting Corporation
Project: 700 Outparcel/20-011
Service Request: R2100574
Date Analyzed: 01/29/21 15:08

Continuing Calibration Verification (CCV) Summary
Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
File ID: I:\ACQUDATA\5973A\DATA\012921\EB674.D\
Signal ID: 1
Calibration Date: 11/25/2020
Calibration ID: RC2100006
Analysis Lot: 711788
Units: ppm

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
Bis(2-chloroethyl) Ether	40.0	40.4	1.3523	1.3674	1.1	NA	±20	Average RF
Bis(2-ethylhexyl) Phthalate	40.0	39.4	0.9586	0.944	-1.5	NA	±20	Average RF
Butyl Benzyl Phthalate	40.0	40.0	0.6967	0.6976	0.1	NA	±20	Average RF
Caprolactam	40.0	35.7	0.1355	0.121	-10.7	NA	±20	Average RF
Carbazole	40.0	40.6	1.1737	1.1911	1.5	NA	±20	Average RF
Chrysene	40.0	40.8	1.2442	1.2697	2.1	NA	±20	Average RF
Di-n-butyl Phthalate	40.0	42.4	1.3381	1.4195	6.1	NA	±20	Average RF
Di-n-octyl Phthalate	40.0	39.2	1.4857	1.4544	-2.1	NA	±20	Average RF
Dibenz(a,h)anthracene	40.0	43.3	1.0935	1.1842	8.3	NA	±20	Average RF
Dibenzofuran	40.0	40.6	1.7027	1.7292	1.6	NA	±20	Average RF
Diethyl Phthalate	40.0	38.9	1.2828	1.246	-2.9	NA	±20	Average RF
Dimethyl Phthalate	40.0	39.3	1.2826	1.2612	-1.7	NA	±20	Average RF
Fluoranthene	40.0	41.7	1.2406	1.2937	4.3	NA	±20	Average RF
Fluorene	40.0	41.3	1.3571	1.3996	3.1	NA	±20	Average RF
Hexachlorobenzene	40.0	38.2	0.2467	0.2358	-4.4	NA	±20	Average RF
Hexachlorobutadiene	40.0	40.8	0.1576	0.1609	2.1	NA	±20	Average RF
Hexachlorocyclopentadiene	40.0	29.4	0.2895	0.2318	NA	-26.5*	±20	Quadratic
Hexachloroethane	40.0	39.0	0.6166	0.6019	-2.4	NA	±20	Average RF
Indeno(1,2,3-cd)pyrene	40.0	42.5	1.0624	1.1289	6.3	NA	±20	Average RF
Isophorone	40.0	45.3	0.6109	0.6924	13.3	NA	±20	Average RF
N-Nitrosodi-n-propylamine	40.0	39.3	0.9568	0.9407	-1.7	NA	±20	Average RF
N-Nitrosodiphenylamine	80.0	74.5	0.6506	0.6057	-6.9	NA	±20	Average RF
Naphthalene	40.0	40.4	1.1044	1.1163	1.1	NA	±20	Average RF
Nitrobenzene	40.0	41.1	0.3543	0.3639	2.7	NA	±20	Average RF
Pentachlorophenol (PCP)	40.0	31.2	0.128	0.107	NA	-22.1*	±20	Quadratic
Phenanthrene	40.0	40.0	1.1455	1.145	0.0	NA	±20	Average RF
Phenol	40.0	39.9	2.0022	1.9951	-0.4	NA	±20	Average RF
Pyrene	40.0	42.3	1.3077	1.3825	5.7	NA	±20	Average RF

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
2,4,6-Tribromophenol	40.0	40.0	0.1992	0.1992	0.0	NA	±20	Average RF
2-Fluorobiphenyl	40.0	40.7	1.3329	1.3555	1.7	NA	±20	Average RF
2-Fluorophenol	40.0	41.0	1.4101	1.4461	2.5	NA	±20	Average RF
Nitrobenzene-d5	40.0	39.5	0.3593	0.3546	-1.3	NA	±20	Average RF
Phenol-d6	40.0	41.2	1.7249	1.7785	3.1	NA	±20	Average RF
Terphenyl-d14	40.0	38.1	0.9942	0.9467	-4.8	NA	±20	Average RF

Client: Asbestos & Environmental Consulting Corporation
Project: 700 Outparcel/20-011
Service Request: R2100574
Date Analyzed: 02/09/21 17:37

Continuing Calibration Verification (CCV) Summary
Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
File ID: I:\ACQUDATA\5973D\Data\020921\CB446.D\
Signal ID: 1
Calibration Date: 1/22/2021
Calibration ID: RC2100014
Analysis Lot: 712576
Units: ppm

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
1,2,4,5-Tetrachlorobenzene	40.0	41.3	0.5061	0.522	3.1	NA	±20	Average RF
2,3,4,6-Tetrachlorophenol	40.0	45.4	0.2721	0.3091	13.6	NA	±20	Average RF
2,4,5-Trichlorophenol	40.0	45.6	0.3862	0.4406	14.1	NA	±20	Average RF
2,4,6-Trichlorophenol	40.0	45.7	0.3691	0.4221	14.4	NA	±20	Average RF
2,4-Dichlorophenol	40.0	43.9	0.3042	0.3338	9.7	NA	±20	Average RF
2,4-Dimethylphenol	40.0	46.8	0.3507	0.4107	17.1	NA	±20	Average RF
2,4-Dinitrophenol	40.0	43.7	0.1798	0.2099	NA	9.2	±20	Quadratic
2,4-Dinitrotoluene	40.0	46.3	0.3686	0.427	15.8	NA	±20	Average RF
2,6-Dinitrotoluene	40.0	42.9	0.283	0.3036	7.3	NA	±20	Average RF
2-Chloronaphthalene	40.0	41.4	1.1409	1.1822	3.6	NA	±20	Average RF
2-Chlorophenol	40.0	44.0	1.4497	1.5961	10.1	NA	±20	Average RF
2-Methylnaphthalene	40.0	41.7	0.6742	0.7027	4.2	NA	±20	Average RF
2-Methylphenol	40.0	46.7	1.2044	1.4066	16.8	NA	±20	Average RF
2-Nitroaniline	40.0	53.0	0.2643	0.3503	32.6*	NA	±20	Average RF
2-Nitrophenol	40.0	46.4	0.2006	0.2328	16.1	NA	±20	Average RF
3,3'-Dichlorobenzidine	40.0	46.2	0.4086	0.4721	15.6	NA	±20	Average RF
3- and 4-Methylphenol Coelution	40.0	46.7	1.2651	1.4772	16.8	NA	±20	Average RF
3-Nitroaniline	40.0	46.6	0.3388	0.3949	16.6	NA	±20	Average RF
4,6-Dinitro-2-methylphenol	40.0	46.2	0.1552	0.1794	15.6	NA	±20	Average RF
4-Bromophenyl Phenyl Ether	40.0	42.9	0.19	0.2039	7.3	NA	±20	Average RF
4-Chloro-3-methylphenol	40.0	49.3	0.2955	0.3644	23.3*	NA	±20	Average RF
4-Chloroaniline	40.0	42.3	0.4216	0.4455	5.7	NA	±20	Average RF
4-Chlorophenyl Phenyl Ether	40.0	41.6	0.5668	0.5896	4.0	NA	±20	Average RF
4-Nitroaniline	40.0	48.2	0.3603	0.4345	20.6*	NA	±20	Average RF
4-Nitrophenol	40.0	54.2	0.2324	0.3149	35.5*	NA	±20	Average RF
Acenaphthene	40.0	43.1	1.2115	1.3051	7.7	NA	±20	Average RF
Acenaphthylene	40.0	43.8	1.7698	1.9391	9.6	NA	±20	Average RF
Acetophenone	40.0	46.4	1.6286	1.8905	16.1	NA	±20	Average RF
Anthracene	40.0	43.5	1.0396	1.1303	8.7	NA	±20	Average RF
Atrazine	40.0	40.7	0.0908	0.0923	1.7	NA	±20	Average RF
Benz(a)anthracene	40.0	40.6	1.2208	1.239	1.5	NA	±20	Average RF
Benzaldehyde	40.0	45.6	0.8905	1.0147	13.9	NA	±20	Average RF
Benzo(a)pyrene	40.0	45.5	0.8464	0.9619	13.7	NA	±20	Average RF
Benzo(b)fluoranthene	40.0	42.0	1.1522	1.21	5.0	NA	±20	Average RF
Benzo(g,h,i)perylene	40.0	44.2	0.8732	0.9648	10.5	NA	±20	Average RF
Benzo(k)fluoranthene	40.0	42.4	1.0816	1.1462	6.0	NA	±20	Average RF
Biphenyl	40.0	41.7	1.4844	1.546	4.1	NA	±20	Average RF
2,2'-Oxybis(1-chloropropane)	40.0	45.7	1.1754	1.3424	14.2	NA	±20	Average RF
Bis(2-chloroethoxy)methane	40.0	44.6	0.3715	0.4138	11.4	NA	±20	Average RF

Client: Asbestos & Environmental Consulting Corporation
Project: 700 Outparcel/20-011
Service Request: R2100574
Date Analyzed: 02/09/21 17:37

Continuing Calibration Verification (CCV) Summary
Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
File ID: I:\ACQUDATA\5973D\Data\020921\CB446.D\
Signal ID: 1
Calibration Date: 1/22/2021
Calibration ID: RC2100014
Analysis Lot: 712576
Units: ppm

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
Bis(2-chloroethyl) Ether	40.0	44.7	1.1037	1.2321	11.6	NA	±20	Average RF
Bis(2-ethylhexyl) Phthalate	40.0	39.8	0.9428	0.9379	-0.5	NA	±20	Average RF
Butyl Benzyl Phthalate	40.0	39.1	0.694	0.6779	-2.3	NA	±20	Average RF
Caprolactam	40.0	45.3	0.1022	0.1157	13.2	NA	±20	Average RF
Carbazole	40.0	44.8	1.0686	1.1962	11.9	NA	±20	Average RF
Chrysene	40.0	41.7	1.1795	1.2306	4.3	NA	±20	Average RF
Di-n-butyl Phthalate	40.0	45.0	1.3122	1.4771	12.6	NA	±20	Average RF
Di-n-octyl Phthalate	40.0	41.6	1.4968	1.6621	NA	4.0	±20	Quadratic
Dibenz(a,h)anthracene	40.0	47.3	0.8752	1.0345	18.2	NA	±20	Average RF
Dibenzofuran	40.0	42.8	1.6108	1.7244	7.1	NA	±20	Average RF
Diethyl Phthalate	40.0	41.6	1.2607	1.3121	4.1	NA	±20	Average RF
Dimethyl Phthalate	40.0	41.1	1.2219	1.2562	2.8	NA	±20	Average RF
Fluoranthene	40.0	45.1	1.1425	1.2869	12.6	NA	±20	Average RF
Fluorene	40.0	41.2	1.2698	1.3063	2.9	NA	±20	Average RF
Hexachlorobenzene	40.0	48.8	0.1997	0.2435	21.9*	NA	±20	Average RF
Hexachlorobutadiene	40.0	40.2	0.1523	0.1531	0.5	NA	±20	Average RF
Hexachlorocyclopentadiene	40.0	43.2	0.2895	0.3125	8.0	NA	±20	Average RF
Hexachloroethane	40.0	45.0	0.5345	0.6011	12.5	NA	±20	Average RF
Indeno(1,2,3-cd)pyrene	40.0	48.7	0.8166	0.9951	21.9*	NA	±20	Average RF
Isophorone	40.0	46.2	0.5843	0.6743	15.4	NA	±20	Average RF
N-Nitrosodi-n-propylamine	40.0	48.6	0.8024	0.9748	21.5*	NA	±20	Average RF
N-Nitrosodiphenylamine	80.0	82.2	0.5907	0.6067	2.7	NA	±20	Average RF
Naphthalene	40.0	42.0	1.0223	1.0739	5.0	NA	±20	Average RF
Nitrobenzene	40.0	47.7	0.3105	0.3698	19.1	NA	±20	Average RF
Pentachlorophenol (PCP)	40.0	48.4	0.1347	0.1628	20.9*	NA	±20	Average RF
Phenanthrene	40.0	42.4	1.0852	1.1507	6.0	NA	±20	Average RF
Phenol	40.0	48.1	1.6511	1.9853	20.2	NA	±20	Average RF
Pyrene	40.0	41.0	1.3789	1.4149	2.6	NA	±20	Average RF
2,4,6-Tribromophenol	40.0	52.9	0.1574	0.2083	32.3*	NA	±20	Average RF
2-Fluorobiphenyl	40.0	41.7	1.2629	1.3157	4.2	NA	±20	Average RF
2-Fluorophenol	40.0	44.9	1.1945	1.3395	12.1	NA	±20	Average RF
Nitrobenzene-d5	40.0	47.0	0.3143	0.3694	17.5	NA	±20	Average RF
Phenol-d6	40.0	47.6	1.5242	1.8142	19.0	NA	±20	Average RF
Terphenyl-d14	40.0	41.9	0.9328	0.9761	4.6	NA	±20	Average RF

Metals Data Section

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

QA/QC Review of TAL Metals Data
for ALS Environmental-Rochester Laboratory
Service Request: R2100574

4 Ground Water Samples and 1 Field Duplicate
Collected January 20, 2021

Prepared by: Donald Anné
March 4, 2021

Holding Times: The samples were analyzed within USEPA SW-846 holding times.

Initial and Continuing Calibration Verification: The percent recoveries for target metals were within control limits (90-110% for all metals except Hg, 80-120% for Hg).

CRDL Standard: The percent recoveries for target metals were within QC limits (70-130%) for CRDL standards.

Blanks: The analyses of initial and continuing calibration, and method blanks reported target metals as below the reporting limits or not detected, as required.

ICP Interference Check Sample: The percent recoveries for applicable metals were within control limits (80-120%).

Spike Sample Recovery: The percent recoveries for applicable metals were within control limits (75-125%) for aqueous MS/MSD sample MW-7.

Laboratory Duplicates: The relative percent differences for applicable metals were below the allowable maximum (20%) for aqueous MS/MSD sample MW-7, as required.

Field Duplicates: The relative percent difference for applicable metals were below the allowable maximum (20%) for aqueous field duplicate pair MW-5/MW-D (attached table), as required.

Laboratory Control Sample: The percent recoveries for target metals were within control limits for soil laboratory control sample.

679 Plank Road ● Clifton Park, New York 12065 ● (518) 348-6995 ● Fax (518) 348-6966
www.alphageoscience.com

ICP Serial Dilution: The %D for potassium was above the allowable maximum (10%) for aqueous serial dilution sample MW-7. Positive results for potassium that are above the PQL should be considered estimated (J) in associated aqueous samples.

Percent Solids: The percent solids for soil samples were greater than 50%.

METALS

-9-

ICP SERIAL DILUTIONS

SAMPLE NO.

MW-7L

Contract: R2100574

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: MW-5

Matrix (soil/water): WATER Level (low/med): LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	267.00		246.00	J	8		P
Antimony	4.70	U	23.50	U			P
Arsenic	6.10	J	27.50	U	100.0		P
Barium	180.00		182.00		1		P
Beryllium	0.13	U	0.65	U			P
Cadmium	0.35	U	1.75	U			P
Calcium	220000.00		233000.00		6		P
Chromium	0.59	U	2.95	U			P
Cobalt	1.20	J	4.45	U	100.0		P
Copper	3.90	U	19.50	U			P
Iron	1520.00		1550.00		2		P
Lead	2.10	U	10.50	U			P
Magnesium	49800.00		47900.00		4		P
Manganese	50.30		51.00		1		P
Nickel	2.60	U	13.00	U			P
Potassium	5570.00		4550.00	J	18		P
Selenium	6.40	U	32.00	U			P
Silver	0.57	U	2.85	U			P
Sodium	9130.00		9260.00		1		P
Thallium	6.90	J	33.00	U	100.0		P
Vanadium	0.67	U	3.35	U			P
Zinc	9.40	U	47.00	U			P

Comments: _____

Field Duplicate Calculation Section

TAL Metals

Calculations for Field Duplicate Relative Percent Difference (RPD)
SDG No. R2100574

S1= MW-5 **S2=** MW-D

Analyte	S1	S2	RPD (%)
aluminum	**72.8**	**70.1**	NC
antimony	ND	ND	NC
arsenic	ND	ND	NC
barium	185	182	2%
beryllium	ND	ND	NC
cadmium	ND	ND	NC
calcium	139000	137000	1%
chromium	**0.600**	ND	NC
cobalt	ND	ND	NC
copper	**5.6**	**5.5**	NC
iron	**72.7**	**68.1**	NC
lead	ND	ND	NC
magnesium	17900	17700	1%
manganese	ND	ND	NC
mercury	ND	ND	NC
nickel	ND	ND	NC
potassium	6690	6620	1%
selenium	ND	**9.0**	NC
silver	ND	ND	NC
sodium	793000	760000	4%
thallium	ND	ND	NC
vanadium	**1.7**	**1.4**	NC
zinc	**12.1**	**12.1**	NC

* RPD is above the allowable maximum (20%).

All results are in units of ug/L.

Bold numbers were values that are below the CRDL.
ND - Not detected.
NC - Not calculated, both results must be above the CRDL for valid RPDs to be calculated.

Alpha Geoscience: Acronyms and Definitions

Data Validation Acronyms

AA	Atomic absorption, flame technique
BHC	Hexachlorocyclohexane
BFB	Bromofluorobenzene
CCB	Continuing calibration blank
CCC	Calibration check compound
CCV	Continuing calibration verification
CN	Cyanide
CRDL	Contract required detection limit
CRQL	Contract required quantitation limit
CVAA	Atomic adsorption, cold vapor technique
DCAA	2,4-Dichlophenylacetic acid
DCB	Decachlorobiphenyl
DFTPP	Decafluorotriphenyl phosphine
ECD	Electron capture detector
FAA	Atomic absorption, furnace technique
FID	Flame ionization detector
FNP	1-Fluoronaphthalene
GC	Gas chromatography
GC/MS	Gas chromatography/mass spectrometry
GPC	Gel permeation chromatography
ICB	Initial calibration blank
ICP	Inductively coupled plasma-atomic emission spectrometer
ICV	Initial calibration verification
IDL	Instrument detection limit
IS	Internal standard
LCS	Laboratory control sample
LCS/LCSD	Laboratory control sample/laboratory control sample duplicate
MSA	Method of standard additions
MS/MSD	Matrix spike/matrix spike duplicate
PID	Photo ionization detector
PCB	Polychlorinated biphenyl
PCDD	Polychlorinated dibenzodioxins
PCDF	Polychlorinated dibenzofurans
QA	Quality assurance
QC	Quality control
RF	Response factor
RPD	Relative percent difference
RRF	Relative response factor
RRF(number)	Relative response factor at concentration of the number following
RT	Retention time
RRT	Relative retention time
SDG	Sample delivery group
SPCC	System performance check compound
TCX	Tetrachloro-m-xylene
%D	Percent difference
%R	Percent recovery
%RSD	Percent relative standard deviation

Data Validation Qualifiers Used in the QA/QC Reviews for USEPA Region II

U	=	Not detected. The associated number indicates the approximate sample concentration necessary to be detected significantly greater than the level of the highest associated blank.
R	=	Unreliable result; data is rejected or unusable. Analyte may or may not be present in the sample. Supporting data or information is necessary to confirm the result.
N	=	Tentative identification. Analyte is considered present. Special methods may be needed to confirm its presence or absence during future sampling efforts.
J	=	Analyte is present. Reported value may be associated with a higher level of uncertainty than is normally expected with the analytical method.
J-	=	Analyte is present. Reported value may be biased low and associated with a higher level of uncertainty than is normally expected with the analytical method.
J+	=	Analyte is present. Reported value may be biased high andassociated with a higher level of uncertainty than is normally expected with the analytical method.
UJ	=	Not detected, quantitation limit may be inaccurate or imprecise.

Note: These qualifiers are used for data validation purposes. The data validation qualifiers may differ from the qualifiers that the laboratory assigns to the data. Refer to the laboratory analytical report for the definitions of the laboratory qualifiers.