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6 August 2021

Michael Squire, Project Manager
NYS Department of Environmental Conservation
Division of Environmental Remediation, BURC
625 Broadway, 11th Floor
Albany, NY 12233-7014

Subject: Periodic Review Report, 1 July 2018 to 30 June 2021
Former Drive & Park, Inc. Site
Brownfield Cleanup Program #C314111
28 IBM Road, Poughkeepsie, New York

Dear Mr. Squire,

EKI Environment & Water, Inc. is pleased to submit this Periodic Review Report for the above-referenced site on behalf of Avis Rent A Car System, LLC.

Please contact me at (650) 292-9100 if you have any questions regarding this report.

Very truly yours,

EKI ENVIRONMENT & WATER, INC.

Robert W. Plybon, PE
Project Engineer

Attachments
Periodic Review Report 01 July 2018 to 30 June 2021, Former Drive & Park, Inc. Site, Brownfield Cleanup Program #C314111, 28 IBM Road, Poughkeepsie, New York. EKI Environment & Water, Inc., Saratoga Springs, NY, dated August 2021.

cc: Ronald A. Robson, Avis Rent A Car System, Inc.
Donna Hymes, JD2 Environmental, Inc.
Edward P. Conti, EKI Environment & Water, Inc.

Periodic Review Report
01 July 2018 to
30 June 2021

Former Drive & Park, Inc. Site
Brownfield Cleanup Program #C314111

28 IBM Road
Poughkeepsie, NY

Prepared for:

Avis Rent A Car System, LLC
6 Sylvan Way
Parsippany, NJ 07054

August 2021
EKI B70066.00

PERIODIC REVIEW REPORT
01 July 2018 to 30 June 2021
FORMER DRIVE & PARK, INC. SITE
28 IBM Road
Poughkeepsie, New York

Submitted to
Avis Rent A Car System, LLC
Parsippany, New Jersey

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PERIODIC REVIEW REPORT
01 July 2018 to 30 June 2021
FORMER DRIVE & PARK, INC. SITE
28 IBM Road
Poughkeepsie, New York

FIGURES

TABLES

LIST OF APPENDICES

1. EXECUTIVE SUMMARY

The site is located at 28 IBM Road in the Town of Poughkeepsie, New York and is the location of a gasoline release from an underground storage tank that was first reported in 1986. Impacted soil and groundwater were found to extend onto the adjacent property to the south of the site. The site was accepted into the Brownfield Cleanup Program in 2005, and impacted soil and groundwater were excavated from the site and the adjacent property to the south in 2005 and 2006. A Certificate of Completion for the site was issued in December 2010.

Conditions of the Certificate of Completion include execution and recording of an environmental easement to restrict land use and prevent future exposure to contamination remaining at the site, and implementation of a *Site Management Plan* (SMP; AMEC Geomatrix, 2010) for long-term management of remaining contamination.

This *Periodic Review Report* covers the reporting period from 1 July 2018 to 30 June 2021. Three previous periodic review reports have been submitted for the site, covering the 18-month period ending 30 June 2012 (Integral, 2012), the 36-month period ending 30 June 2015 (Integral, 2015), and the 36-month period ending 30 June 2018 (EKI, 2018).

In accordance with the SMP, the site is inspected and groundwater is monitored every five quarters. The site was inspected and groundwater monitoring was conducted three times during the reporting period, on 25 October 2018, 3 February 2020, and 5 May 2021. Based on observations and interviews with site personnel, there were no changes in use of the site and all conditions of the environmental easement were met during the reporting period. Concentrations of contaminants detected in groundwater were similar to prior sampling events and exhibit an overall declining trend since completion of remedial actions.

No changes to the SMP are recommended.

2. SITE OVERVIEW

2.1 Site Location and Description

The site is located at 28 IBM Road in the Town of Poughkeepsie, County of Dutchess, New York and is identified as Block 6060-4, Lot 903139, on the Poughkeepsie Tax Map. The approximately 2.7-acre site is bounded by IBM Road to the north, commercial property and a wetland to the south, commercial and residential properties to the east, and Barnegat Road to the west (see Figures 1 and 2).

The site contains one two-story office building with several attached garage bays. The building is currently used by Avis Rent A Car System, LLC (Avis) to rent, store, and wash automobiles. There are no other tenants in the building. The site is mostly covered by the building and associated asphalt-paved parking areas. There are several small vegetated and/or landscaped areas along the perimeter and a wooded area at the southeast corner of the parcel (See Figure 2).

2.2 Site History

A Gulf gasoline service station was located at the north end of the site from approximately 1953 to 1973, at the intersection of IBM Road and Barnegat Road (Geomatrix, 2004a). Investigations conducted in the area of the former Gulf gasoline service station have not indicated soil and/or groundwater contamination resulting from operations conducted.

The site was used by Drive & Park, Inc. to rent cars from approximately 1965 until it was sold to Avis in 1991. Drive & Park, Inc. operated two steel underground storage tanks (USTs) of unknown size from approximately 1965 to 1986. The tanks were removed in 1986 and a release of gasoline was reported to the New York State Department of Environmental Conservation (NYSDEC) by Drive & Park, Inc. (NYSDEC issued spill number 86-05706). In 1987, two 5,000-gallon USTs were installed in place of, and at the same location as, those removed in 1986.

At the time of the release, the site was owned by Broad Act Corporation and used by Drive & Park, Inc. Avis purchased the property in 1991, five years after the leaking UST system was removed.

Avis installed groundwater monitoring wells in 1992 and collected water samples for analysis from the wells in 1992 and 1997. Analytical data for groundwater samples collected from the monitoring wells indicated that the release had extended onto the adjacent property to the south.

In 1998, the two USTs that were installed in 1987 were removed. The 1998 removal of the two USTs was witnessed by a NYSDEC representative, and it was determined that there was no evidence of a release from the gasoline USTs installed in 1987, although existing soil

contamination from the USTs removed in 1986 was observed. After removal of these USTs, NYSDEC closed spill number 86-05706, although Avis was not informed of the case closure. Avis continued to monitor the site.

In March 2003, Avis collected groundwater samples from eight existing monitoring wells on the site and from three monitoring wells on the adjacent property wells installed by Avis in 1992. Analytical results in groundwater were similar to previous sampling events conducted in 1992 and 1997. However, floating free product (gasoline) was found in one onsite monitoring well near the former USTs. Floating free product, other than sheen, had not been previously reported at the site.

Avis conducted high-vacuum extraction at the site from mid-April 2003 until September 2003 to recover floating free product from the impacted monitoring well. In September 2003, extraction was discontinued when measurable floating free product was no longer observed. The monitoring well was monitored at least semiannually between September 2003 and September 2005.

Upon discovery of the floating free product, Avis met with representatives from NYSDEC in September 2003 to discuss the status of the site. NYSDEC concurred with Avis that the contamination was related to the 1986 release, and therefore, reopened spill number 86-05706. Avis conducted a soil boring investigation in November 2003, and no areas of recoverable, floating free product were located. Avis collected discrete-depth groundwater samples on the adjacent property to the south to evaluate the extent of impacted groundwater. No floating free product was observed; however, one location contained dissolved petroleum constituents. Dissolved petroleum constituents were not found to extend below the building on the adjacent property. The results of the investigation were presented to NYSDEC in the *November 2003 Soil and Groundwater Investigation Report*, dated April 2004 (Geomatrix, 2004b).

Avis applied for entry to the Brownfield Cleanup Program in April 2004 and was accepted; a Brownfield Site Cleanup Agreement was executed in July 2005. A Certificate of Completion for the site was issued in December 2010.

2.3 Remedial History

2.3.1 Remedial Actions

The site was remediated in accordance with the NYSDEC-approved *Interim Remedial Measure Work Plan* dated November 2005 (Geomatrix, 2005). The following is a summary of the remedial actions performed at the site:

- Removal of floating free product from the surface of the water table in the area of the former Drive & Park, Inc. USTs using high vacuum extraction;

- Excavation of approximately 23,900 tons of soil exceeding unrestricted-use soil cleanup objectives, to depths ranging from approximately 8 to 15 feet (ft) below ground surface (bgs);

- Construction and maintenance of a site cover system consisting of at least 3 ft of clean soil or an impermeable surface to prevent human exposure to remaining contaminated soil at the site;

- Extraction and treatment of approximately 622,452 gallons of groundwater during excavation activities;

- Placement of oxygen releasing compound in backfill material to enhance biodegradation of remaining petroleum hydrocarbons;

- Restoration of the site and neighboring property with clean backfill, landscaping, and asphalt to pre-excavation conditions;

- Execution and recording of an environmental easement to restrict land use and prevent future exposure to contamination remaining at the site, and;

- Development and implementation of a SMP (AMEC Geomatrix, 2010) for long-term management of remaining contamination as required by the environmental easement, which includes plans for 1) institutional and engineering controls, 2) monitoring, and 3) reporting.

Remedial activities were completed from April to September 2003 (free product removal), and December 2005 through June 2006 (excavation, groundwater extraction, oxygen releasing compound placement, construction of the soil and asphalt components of the site cover system, and restoration).

2.3.2 Remedial Goals and Institutional and Engineering Controls

The remediation goals for the site are to prevent ingestion of groundwater containing contaminant levels exceeding drinking water standards and to prevent human exposure to contaminants remaining in soil. To achieve these goals, the following institutional and engineering controls were established:

Institutional Controls

- Compliance with an environmental easement and the SMP by the grantor and the grantor's successors and assigns. The environmental easement enacted the following restrictions:

  – The property may only be used for commercial/industrial use provided that the long-term engineering and institutional controls included in the SMP are employed.

  - All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP.
  - The use of groundwater underlying the property is prohibited without treatment rendering it safe for the intended use.
  - NYSDEC approval, additional investigation and remedial consideration are required for unrestricted or restricted residential uses of the property.
  - 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 NYSDEC; and, 2) nothing has occurred that impairs the ability of the controls to protect public health and the 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 to evaluate the continued maintenance of any and all controls. This certification shall be submitted every 3 years, or in an alternate period of time that NYSDEC may allow and will be made by an expert that the NYSDEC finds acceptable.

- All engineering controls must be operated and maintained as specified in the SMP.
- All engineering controls on 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.

Engineering Controls

- Site Cover System—Exposure to remaining contamination in soil/fill at the site is prevented by a cover system placed over the site. Concentrations of contaminants in soil do not exceed soil cleanup objectives for residential, restricted residential, commercial, or industrial uses, or for the protection of ecological resources; the concentration of benzene in only one soil sample exceeded the soil cleanup objective for protection of groundwater. This site cover system is composed of a minimum of 3 ft of clean soil in the area of the interim remedial investigation, a concrete slab beneath the building, and asphalt pavement in the parking area.
- Monitored Natural Attenuation—Groundwater quality is monitored at selected existing onsite and offsite monitoring wells to evaluate the natural attenuation of residual benzene, toluene, ethylbenzene, and total xylenes.

There have been no changes to the institutional and engineering controls since the SMP was enacted on 31 December 2010.

3. REMEDY PERFORMANCE, EFFECTIVENESS, AND PROTECTIVENESS

The site remedy is described in Section 2.3. The site was inspected, and groundwater was monitored three times during the reporting period to confirm that the remedy is meeting the remedial goals: preventing ingestion of groundwater containing contaminant levels exceeding drinking water standards and preventing human exposure to contaminants remaining in soil. The findings of the inspections are summarized below:

- Concentrations of contaminants in onsite and offsite groundwater monitoring wells are stable or declining;
- No free product was observed in onsite or offsite monitoring wells;
- The site was used for commercial purposes only;
- Groundwater at the site was not used for any purpose;
- The conditions of the environmental easement were met, and;
- The site cover system was not penetrated and was effective in preventing human exposure to contaminants remaining in the soil.

Based on interviews with the site manager, observations made during the site inspections, and the results of groundwater monitoring, the remedy has been successful in meeting the remedial goals. Conditions at the site have not changed significantly during the reporting period, from 1 July 2018 to 30 June 2021. The Qualified Environmental Professional Certification and a copy of the Completed Site Inspection Forms are included in Appendix A.

4. INSTITUTIONAL AND ENGINEERING CONTROL PLAN COMPLIANCE REPORT

4.1 Institutional Control Requirements and Compliance

4.1.1 Compliance with the Environmental Easement and SMP

The objective of the environmental easement is to prevent changes in site use that would interfere with the remedial goals. This objective has been met during the reporting period. The site was inspected by a qualified environmental professional on 25 October 2018, 3 February 2020, and 5 May 2021. Based on interviews with the site manager and observations made during the site inspections, no activities have taken place at the site that disturbed remaining contaminated material, and groundwater underlying the property has not been used. The site has been used only for commercial purposes and has not been used for agricultural purposes, including vegetable gardening.

The SMP was prepared to institute inspection, monitoring, and reporting requirements for the site. The SMP also contains an Excavation Work Plan to establish procedures for intrusive site work that will penetrate the site cover system and encounter remaining contamination. There was no intrusive work during the reporting period that had the potential to penetrate the site cover system and encounter remaining contamination.

Based on observations made during the site inspection and interviews with the site manager, the environmental easement remains in effect, and compliance with the SMP has been achieved during the reporting period. No corrective measures are recommended.

The completed Institutional and Engineering Controls Certification Form for the site is included in Appendix B.

4.1.2 Operation and Maintenance of Engineering Controls

Engineering controls consist of the site cover system and the monitoring well network and are discussed in Section 4.2 below. These engineering controls were operated and maintained in accordance with the SMP during the reporting period.

No maintenance issues were identified, and no corrective measures are recommended for the operation and maintenance of the engineering controls.

4.1.3 Inspection of Engineering Controls

Engineering controls consist of the site cover system and the monitoring well network and are discussed in Section 4.2 below. These engineering controls were inspected on 25 October 2018, 3 February 2020, and 5 May 2021 during the reporting period, in accordance with the SMP.

No corrective measures are recommended relative to the inspection of the engineering controls.

4.1.4 Groundwater Monitoring

Groundwater monitoring is performed every five quarters at onsite and offsite monitoring wells, as established in the SMP. The objective of the groundwater monitoring is to document trends of remaining contamination in groundwater. Groundwater monitoring was conducted on 25 October 2018, 3 February 2020, and 5 May 2021 consisting of measuring depth-to-water in all existing onsite and offsite monitoring wells[1] and collecting groundwater samples for analysis from selected onsite and offsite monitoring wells. Groundwater sampling is described in detail in Section 5 below. Groundwater monitoring is being conducted in accordance with the SMP, and no deficiencies were identified.

No corrective measures are recommended for the groundwater monitoring component of the SMP.

4.1.5 Data and Information Reporting

Reporting of data and information obtained during the reporting periods consists of the Periodic Review Reports (PRRs). This PRR is the fourth reporting of data and information for the site since the Certificate of Completion was issued in December 2010.

No corrective measures are recommended for data and information reporting at the site.

4.2 Engineering Controls Requirements and Compliance

4.2.1 Site Cover System

The objective of the site cover system is to prevent exposure to remaining contamination at the site. The site was inspected by a qualified environmental professional on 25 October 2018, 3 February 2020, and 5 May 2021. Based on interviews with the site manager and observations made during the site inspections, the asphalt cover in the parking area, the 3 ft of clean soil, and the concrete slab of the building were not disturbed during the reporting period. There was no intrusive work during the reporting period that had the potential to penetrate the site cover system and encounter remaining contamination.

No corrective measures are recommended for the site cover system.

4.2.2 Monitored Natural Attenuation

The objective of monitored natural attenuation at the site is to evaluate the natural attenuation of residual benzene, toluene, ethylbenzene, and total xylenes in groundwater.

All onsite and offsite monitoring wells used in the monitoring program were inspected during the site visits on 25 October 2018, 3 February 2020, and 5 May 2021. Preventative maintenance, such as replacement of well cap bolts and well plugs, was conducted as needed.

[1] Depth to water was not measured at MW-110 on 5 May 2021 due to a faulty groundwater probe. Depth to water measurements were successfully collected at MW-110 on 25 October 2018 and 3 February 2020.

The casing for MW-110 has developed a slight bend due to slope creep but is functional and otherwise undamaged. The other monitoring wells were also functional and undamaged.

No corrective measures are recommended for the monitoring well network.

5. MONITORING PLAN COMPLIANCE REPORT

The monitoring plan for the site (Section 3 of the SMP) consists of monitoring groundwater and the site cover system. The frequency of groundwater and site cover monitoring, as well as the analytical requirements, are summarized in Table 1.

5.1 Groundwater Monitoring

5.1.1 Groundwater Level Measurement

Water levels were measured in all onsite and offsite monitoring wells on 25 October 2018, 3 February 2020, and 5 May 2021.[2] The measurements were made to the nearest 0.01 ft using an electronic water level meter, and water level elevations were calculated by subtracting the depth-to-water measurements from the surveyed elevations of the top of the corresponding well casings. No separate-phase hydrocarbons were observed in any of the wells during these monitoring events.

A representative potentiometric surface map from February 2020 is presented in Figure 2. Similar to other monitoring events, the interpreted direction of the lateral hydraulic gradient was generally to the southwest, with a magnitude of approximately 0.01 ft/ft.

5.1.2 Groundwater Sampling Procedures and Analytical Methods

Groundwater samples were collected from onsite monitoring wells MW-1, MW-201, and MW-203, and offsite monitoring wells MW-12 and MW-110. Monitoring well locations are shown in Figure 2. Groundwater samples were collected from the monitoring wells on 25 October 2018, 3 February 2020, and 5 May 2021.

Before samples were collected, depth-to-water was measured using an electronic water level meter. Each well was then purged using a peristaltic pump, new polyethylene tubing, and new Teflon-lined Tygon tubing. During purging, purge water was inspected visually and field parameters (temperature, pH, dissolved oxygen, oxidation reduction potential, and conductivity) were measured using a calibrated YSI 600 XLM water quality meter equipped with a flow-through cell and recorded. After the field parameters stabilized, groundwater samples were collected by slowly pumping groundwater through the new tubing into laboratory-supplied sample containers. Well MW-110 went dry during purging and was allowed to recharge to at least 80 percent of its initial water volume before sampling. The groundwater samples were labeled and stored temporarily in chilled ice chests for transport under chain-of-custody procedures to TestAmerica Laboratories, Inc. of Amherst, New York, a New York State Department of Health-certified analytical laboratory. Copies of the laboratory analytical reports and chain-of-custody records are included in Appendix C.

[2] Depth to water was not measured at MW-110 on 5 May 2021 due to a faulty groundwater probe. Depth to water measurements were successfully collected at MW-110 on 25 October 2018 and 3 February 2020.

Groundwater samples collected from the five monitoring wells were analyzed for benzene, toluene, ethylbenzene, and total xylenes using U.S. Environmental Protection Agency (U.S. EPA) Method 8260C.

5.1.3 Groundwater Analytical Results

Benzene, toluene, ethylbenzene, and/or xylenes were detected in samples collected from two of the five monitoring wells sampled during the reporting period (MW-1 and MW-12). A summary of the post-excavation chemical analysis results for benzene, toluene, ethylbenzene, and total xylenes in the sampled monitoring wells is presented in Table 2.

Benzene was detected in the samples collected from well MW-12 in October 2018 and February 2020 during the reporting period. The concentrations of benzene detected in well MW-12 in October 2018 and February 2020 exceeded the NYSDEC groundwater quality standard. Benzene was not detected at or above the laboratory reporting limit[3] in the groundwater samples from MW-1, MW-110, MW-201, or MW-203 during the reporting period.

Toluene was detected below the NYSDEC groundwater quality standard in the sample collected from well MW-12 in February 2020 during the reporting period. Toluene was not detected at or above the laboratory reporting limit in the groundwater samples from MW-1, MW-110, MW-201, or MW-203 during the reporting period.

Ethylbenzene was detected in the samples collected from wells MW-1 (October 2018 and February 2020) and MW-12 (all three sampling events) during the reporting period. The concentrations of ethylbenzene detected in wells MW-1 and MW-12 exceeded the NYSDEC groundwater quality standard in the October 2018 and February 2020 sampling events. Ethylbenzene was not detected at or above the laboratory reporting limit in the groundwater samples from MW-110, MW-201, or MW-203 during the reporting period.

Total xylenes were detected in the samples collected from wells MW-1 and MW-12 in the October 2018 and February 2020 sampling events. The concentrations of total xylenes detected in wells MW-1 and MW-12 exceeded the NYSDEC groundwater quality standard in the October 2018 and February 2020 sampling events. Total xylenes were not detected at or above the laboratory reporting limit in the groundwater samples from MW-110, MW-201, or MW-203 during the reporting period.

Wells MW-1 and MW-12 have exhibited an overall declining trend since completion of the remedial actions.

[3] The laboratory method detection limit is reported for benzene non-detections in samples collected from MW-1 during the reporting period due to elevated laboratory reporting limits for those samples.

5.2 Cover System Monitoring

The cover system was inspected on 25 October 2018, 3 February 2020, and 5 May 2021. The asphalt on the parking lot was in good condition and was not observed to be significantly cracked. No areas of patched asphalt were observed. The site manager stated that no work had been done at the site that penetrated the cover system.

Based on observations made during the site inspection and interviews with the site manager, the site cover system remains intact and no deficiencies were noted.

5.3 Monitoring Plan Compliance Discussion

There were no deficiencies identified at the site during the reporting period. There are no recommendations for changes to the monitoring plan for the site.

6. PERIODIC REVIEW REPORT CONCLUSIONS AND RECOMMENDATIONS

The site is in compliance with the SMP. No deficiencies were noted during the reporting period and there are no recommendations for changes in the SMP.

As of February 2021, the concentrations of benzene, toluene, ethylbenzene, and total xylenes did not exceed their NYSDEC groundwater quality standards in samples collected from any of the five wells used for groundwater monitoring. The SMP states the following:

> *Groundwater monitoring activities to assess natural attenuation will continue, as determined by the NYSDEC, until residual groundwater concentrations are found to be consistently below NYSDEC standards or have become asymptotic at an acceptable level over an extended period.* (AMEC Geomatrix, 2010)

While the routine groundwater monitoring and site inspection events required by the SMP for the next reporting period are scheduled for the summer of 2022 and fall of 2023, groundwater monitoring may be conducted on an accelerated basis to evaluate whether the concentrations of benzene, toluene, ethylbenzene, and total xylenes consistently remain at or below the NYSDEC groundwater quality standards or have become asymptotic.

Should the results of site monitoring indicate that the requirements for groundwater monitoring in the SMP are satisfied and that groundwater monitoring can be reduced or eliminated, Avis may recommend discontinuing groundwater monitoring in the next PRR. Avis may also evaluate whether site closeout is appropriate and, if so, may submit a Final PRR to NYSDEC for review and approval. Otherwise, the results of site inspections and groundwater monitoring will be reported in the next routine PRR covering the period from 1 July 2021 to 30 June 2024, which will be submitted to NYSDEC by 15 August 2024 unless an alternative reporting period is requested by Avis and approved by NYSDEC.

7. REFERENCES

AMEC Geomatrix, 2010. *Site Management Plan, Former Drive & Park, Inc. Site*, AMEC Geomatrix, Inc., dated 28 December 2010.

EKI, 2018. *Periodic Review Report, 01 July 2015 to 30 June 2018 Former Drive & Park, Inc. Site, Brownfield Cleanup Program #C314111, 28 IBM Road, Poughkeepsie, New York*. EKI Environment & Water, Inc., Burlingame, CA, dated August 2018.

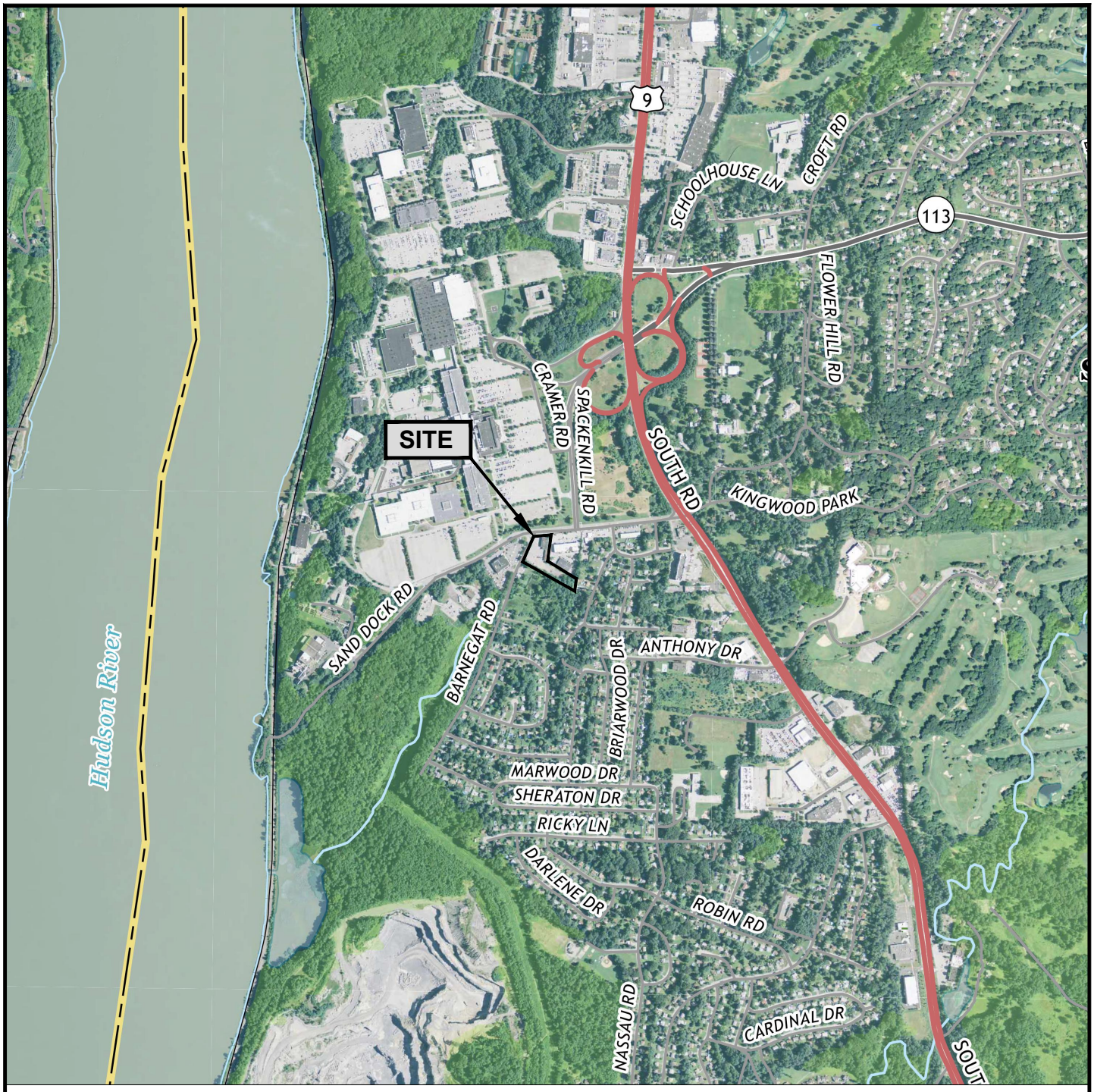
Geomatrix, 2004a. *Brownfield Cleanup Program Application, Former Drive & Park, Inc. Site*, Geomatrix Consultants, Inc., dated 20 April 2004.

Geomatrix, 2004b. *November 2003 Soil and Groundwater Investigation Report, Former Drive & Park, Inc. Site*., Geomatrix Consultants, Inc., dated April 2004.

Geomatrix, 2005. *Interim Remedial Measure Work Plan*, Geomatrix Consultants, Inc., dated November 2005.

Integral, 2012. *Periodic Review Report, Former Drive & Park, Inc. Site, Brownfield Cleanup Program #C314111, 28 IBM Road, Poughkeepsie, New York*., Integral Consulting Inc., Larkspur, CA, dated December 2012.

Integral, 2015. *Periodic Review Report, July 1, 2012, to June 30, 2015, Former Drive & Park, Inc. Site, Brownfield Cleanup Program #C314111, 28 IBM Road, Poughkeepsie, New York*., Integral Consulting Inc., Larkspur, CA, dated August 2015.



Basemap source: U.S.G.S. GeoPDF, Poughkeepsie, NY, 2016.

N

0 1,500 3,000

(Scale in Feet)

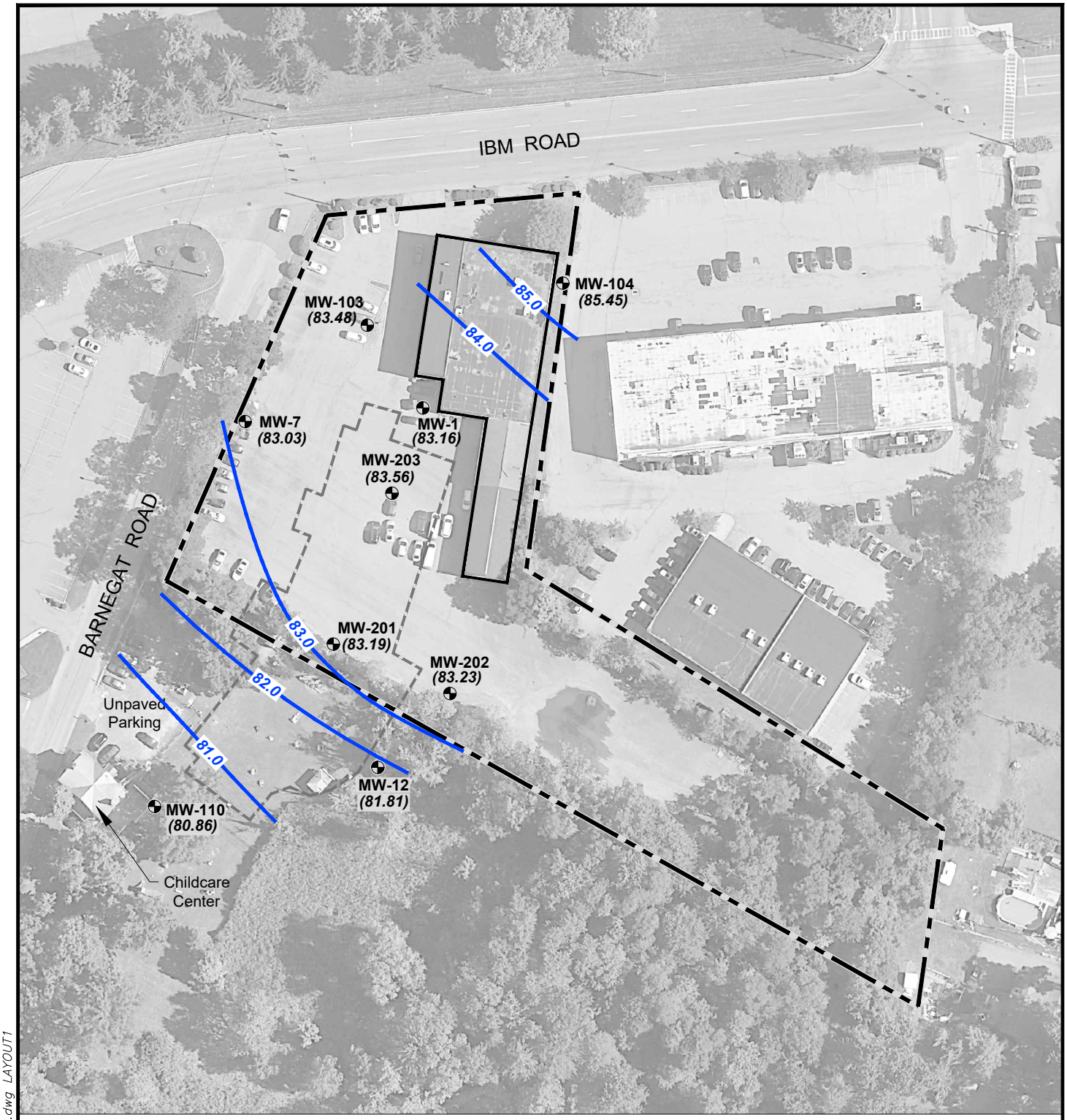
Site Location Map

28 IBM Road
Poughkeepsie, New York
August 2021
EKI B70066.00

Figure 1

eki environment & water

20210712.085757 G:\B70066.00\2021-07\Figure 1.dwg Figure 1



Legend:

- Approximate Site Boundary
- Avis Rent A Car Facility
- Approximate Extent of Excavation
- Groundwater Monitoring Well Location
- (85.45) Groundwater Elevation in Feet NGVD 29
- 82.0 Approximate Shallow Groundwater Surface Contour (Contour Interval 1.0 ft)

0 100 200
(Scale in Feet)

N

Potentiometric Surface Map
February 2020

Notes:

1. All locations are approximate.
2. Basemap source: Google Earth Pro, date of imagery 18 September 2019.

eki environment & water

28 IBM Road
Poughkeepsie, New York
August 2021
EKI B70066.00

Figure 2

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Table 1

Monitoring Program Summary

Periodic Review Report

Former Drive & Park, Inc. Site

28 IBM Road, Poughkeepsie, New York

Monitoring Program	Frequency	Matrix	Analysis
Groundwater Monitoring Program	Every five calendar quarters	Groundwater in three onsite wells (MW-1, MW-201 and MW-203) and two offsite wells (MW-12 and MW-110)	Benzene, toluene, ethylbenzene, and total xylenes
		Water level measurements in all site-related wells	Depth to Water
Cover System Monitoring	Every five calendar quarters	Inspect Cover System	

Table 2

Summary of Post-excavation Chemical Analysis Results for Groundwater

Periodic Review Report

Former Drive & Park, Inc. Site

28 IBM Road, Poughkeepsie, New York

Well ID	Sample ID	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
MW-1	MW-1-062106	06/21/06	**10.9**	**8.6 J**	**163**	**676**
	MW-1-092206	09/22/06	**8**	**3.1**	**92.3**	**374**
	MW-1-121506	12/15/06	**7.7**	**1.5**	**25.7**	**204**
	MW-1-022207	02/22/07	**6.8**	<1.0	**2.3**	**60.3**
	MW-1-060707	06/07/07	**4.6**	**2.4**	**79.7**	**804**
	MW-1-092707	09/27/07	**7.6**	<1.0	**15.2**	**43.5**
	MW-1-102108	10/21/08	**4 J**	**0.5 J**	**68 J**	**130 J**
	MW-1-021810	02/18/10	<1.0	<1.0	**14**	**43**
	MW-1-051111	05/11/11	**1.0**	<1.0	**45**	**280**
	MW-1-091312	09/13/12	<1.0	<1.0	**3.7**	**4.6**
	MW-1-101713	10/17/13	<1.0	<1.0	**1.6**	**19**
	MW-1-033115	03/31/15	<1.0	<1.0	**27**	**59**
	MW-1	05/19/16	<1.0	<1.0	**11**	**40**
	MW-1-070617	07/06/17	<1.0	<1.0	**8.4**	**44**
	MW-1-102518	10/25/18	<0.82[b]	<2.0	**7**	**29**
	MW-1-020320	02/03/20	<0.82[b]	<2.0	**17**	**14**
	MW-1-050521	05/05/21	<0.82[b]	<2.0	<2.0	<4.0
MW-12	MW-12-062106 / DUP[c]	06/21/06	**313**	**166 J**	**43.2**	**1,010**
	MW-12-092106 / DUP[c]	09/21/06	**333**	**265**	**618**	**1,820**
	MW-12-121406 / DUP[c]	12/14/06	**119**	**12.4**	**235**	**312**
	MW-12-022207 /DUP[c]	02/22/07	**220 J**	**31.8**	**493 J**	**1130 J**
	MW-12-060707 / DUP[c]	06/07/07	**184**	**35.3**	**509**	**846**
	MW-12-027707 / DUP[c]	09/27/07	**337**	**99.9**	**963**	**1,570**
	MW-12-102108 / DUP[c]	10/21/08	**31 J**	**14 J**	**148 J**	**238 J**
	MW-12-021810 / DUP[c]	02/18/10	**6.8**	**2.9**	**10**	**19**
	MW-12-051211/DUP[c]	05/11/11	**29**	**17**	**140**	**390**
	MW-12-091312/DUP[c]	09/13/12	**10**	**4.8 J**	**14**	**74**
	MW-12-101713/DUP[c]	10/17/13	**1.0**	<1.0	**3.5**	**5.0**
	MW-12-033115/DUP[c]	03/31/15	**13.0**	**7.7**	**75**	**78**
	MW-12/DUP[c]	05/19/16	**2.5**	<1.0	**2.4**	**1.4 J**
	MW-12-070617/DUP[c]	07/06/17	**2.9**	<1.0	**4.8**	**2.0**
	MW-12-102518/DUP[c]	10/25/18	**1.3**	<1.0	**5.4**	**5.7**
	MW-12-020320/DUP[c]	02/03/20	**1.8**	**0.85 J**	**18**	**7.6**
	MW-12-050521/DUP[c]	05/05/21	<1.0	<1.0	**2.7**	<2.0
MW-110	MW-110-062106	06/21/06	<1.0	<1.0 UJ	<1.0	<3.0
	MW-110-092106	09/21/06	<1.0	<1.0	<1.0	<3.0
	MW-110-121406	12/14/06	<1.0	<1.0	<1.0	<3.0
	MW-110-022207	02/22/07	<1.0	<1.0	<1.0	<3.0
	MW-110-060707	06/07/07	<1.0	<1.0	<1.0	<3.0
	MW-110-092707	09/27/07	<1.0	<1.0	<1.0	<3.0
	MW-110-102108	10/21/08	<1	<1	<1	<2
	MW-110-021810	02/18/10	<1.0	<1.0	<1.0	<2.0
	MW-110-051111	05/11/11	<1.0	<1.0	<1.0	<2.0
	MW-110-091312	09/13/12	<1.0	<1.0	<1.0	<2.0
	MW-110-101713	10/17/13	<1.0	<1.0	<1.0	<2.0
	MW-110-033115	03/31/15	<1.0	<1.0	<1.0	<2.0
	MW-110	05/19/16	<1.0	<1.0	<1.0	<2.0
	MW-110-070617	07/06/17	<1.0	<1.0	<1.0	<2.0
	MW-110-102518	10/25/18	<1.0	<1.0	<1.0	<2.0
	MW-110-020320	02/03/20	<1.0	<1.0	<1.0	<2.0
	MW-110-050521	05/05/21	<1.0	<1.0	<1.0	<2.0

Table 2

Summary of Post-excavation Chemical Analysis Results for Groundwater

Periodic Review Report

Former Drive & Park, Inc. Site

28 IBM Road, Poughkeepsie, New York

Well ID	Sample ID	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
MW-201	MW-201-062106	06/21/06	**8.7**	<1.0 UJ	<1.0	<3.0
	MW-201-092106	09/21/06	<1.0	<1.0	<1.0	<3.0
	MW-201-121406	12/14/06	<1.0	<1.0	<1.0	<3.0
	MW-201-022307	02/23/07	<1.0	<1.0	<1.0	<3.0
	MW-201-060607	06/06/07	<1.0	<1.0	<1.0	<3.0
	MW-201-092607	09/26/07	<1.0	<1.0	<1.0	<3.0
	MW-201-102108	10/21/08	<1	<1	<1	<2
	MW-201-021810	02/18/10	<1.0	<1.0	<1.0	<2.0
	MW-201-051111	05/11/11	<1.0	<1.0	<1.0	<2.0
	MW-201-091312	09/13/12	<1.0	<1.0	<1.0	<2.0
	MW-201-101713	10/17/13	<1.0	<1.0	<1.0	<2.0
	MW-201-033115	03/31/15	<1.0	<1.0	<1.0	<2.0
	MW-201	05/19/16	<1.0	<1.0	<1.0	<2.0
	MW-201-070617	07/06/17	<1.0	<1.0	<1.0	<2.0
	MW-201-102518	10/25/18	<2.0	<2.0	<2.0	<4.0
	MW-201-020320	02/03/20	<1.0	<1.0	<1.0	<2.0
	MW-201-050521	05/05/21	<1.0	<1.0	<1.0	<2.0
MW-203	MW-203-062106	06/21/06	**3.1**	<1.0 UJ	<1.0	**9.6**
	MW-203-092106	09/21/06	**73.9**	<1.0	<1.0	<3.0
	MW-203-121406	12/14/06	**88.4**	<1.0	**5.0**	**9.4**
	MW-203-022207	02/22/07	**94.8**	<1.0	**14**	**18.2**
	MW-203-060707	06/07/07	**46.8**	**2.4**	**16.4**	**12.4**
	MW-203-092707	09/27/07	**60.5**	**1.4**	**65.2**	<3.0
	MW-203-102108	10/21/08	**97 J**	<3	**2 J**	**3 J**
	MW-203-021810	02/18/10	**27**	<1.0	<1.0	<2.0
	MW-203-051111	05/11/11	**25**	**1.7**	**120**	**26**
	MW-203-091312	09/13/12	<1.0	<1.0	<1.0	<2.0
	MW-203-101713	10/17/13	<1.0	<1.0	<1.0	<2.0
	MW-203-033115	03/31/15	**5.8**	**0.53 J**	<1.0	<2.0
	MW-203	05/19/16	<1.0	<1.0	<1.0	<2.0
	MW-203-070617	07/06/17	**5.0**	<1.0	<1.0	<2.0
	MW-203-102518	10/25/18	<1.0	<1.0	<1.0	<2.0
	MW-203-020320	02/03/20	<1.0	<1.0	<1.0	<2.0
	MW-203-050521	05/05/21	<1.0	<1.0	<1.0	<2.0
NYSDEC Groundwater Quality Standards[d]			**1**	**5**	**5**	**5**

Table 2

Summary of Post-excavation Chemical Analysis Results for Groundwater

Periodic Review Report

Former Drive & Park, Inc. Site

28 IBM Road, Poughkeepsie, New York

Notes:

µg/L = micrograms per liter

bold = detected concentration

bold underlined = detected concentration exceeds water quality standarc

< = compound was not detected at or above the laboratory reporting limit indicated

J = The analyte was positively identified; the associated numerical value is the estimated concentration of the analyte ir the sample.

NYSDEC = New York State Department of Environmental Conservation

UJ = The analyte was not detected at or above the laboratory reporting limit shown. The reporting limit is estimated.

[a]All samples analyzed using EPA Method 8260B or 8260C.

[b]Method detection limits are reported for benzene non-detections where reporting limits are greater than NYSDEC groundwater quality standards.

[c]Results provided are from the duplicate sample with the highest detected concentrations.

[d]NYSDEC groundwater quality standards for benzene, toluene, ethylbenzene, and total xylenes from NYSDEC, 6 NYCRR Part 703: Surface Water and Groundwater Quality Standards and Effluent Limitations, August 4, 1999.

Appendix A

Qualified Environmental Professional Certification and Completed Site Inspection Forms

Qualified Environmental Professional Certification

For each Institutional or Engineering Control identified for the site, I certify that all of the following statements are true:

- The inspection of the site to confirm the effectiveness of the Institutional and Engineering Controls required by the remedial program was performed under my direction;
- The Institutional Control and/or Engineering Control employed at this site is unchanged from the date the control was put in place, or last approved by the Department;
- Nothing has occurred that would impair the ability of the control to protect the public health and environment;
- Nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this control;
- 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;
- If a financial assurance mechanism is required under the oversight document for the site, the mechanism remains valid and sufficient for the intended purpose under the document;
- Use of the site is compliant with the Environmental Easement;
- The Engineering Control systems are performing as designed and are effective;
- 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;
- The information presented in this report is accurate and complete;
- I certify that all information and statements in this certification form 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, Robert W. Plybon, of EKI Environment & Water, Inc., in Saratoga Springs, New York, am certifying as Owner's Designated Site Representative for the site.
- No new information has come to my attention, including groundwater monitoring data from wells located at the site boundary, if any, to indicate that the assumptions made in the qualitative exposure assessment of off-site contamination are no longer valid.
- The assumptions made in the qualitative exposure assessment remain valid.

Robert W. Plybon, P.E.
Project Engineer
EKI Environment & Water, Inc.
17 July 2021

Site Inspection Form

Former Drive & Park, Inc. 28 IBM Road Poughkeepsie, NY BCP #C314111	Date: 25 October 2018 Printed Name of Inspector: David Averill Signature:

1. Is the site compliant with all Institutional Controls, including site usage (commercial or industrial) and groundwater restrictions (yes/no)? If no, describe:

YES

2. Provide a general description of site conditions.

Mostly unchanged since 2017 inspection. No evidence of excavation at the site. Heavier vegetation on south and west lot lines.

3. Provide a general evaluation of the condition of monitoring wells.

All wells in fair to good condition. Replaced bolts on wells MW-201, MW-202, MW-203 and MW-103.
MW-110 slightly bent but functional. Well riser is ~~at~~ bent downhill as roadway box creeps with slope.

4. Is there any damage to the site cover (soil cover, asphalt cover and concrete cover)? If yes, describe.

No

5. Has any intrusive work been conducted at the site since the last Site Inspection? If so, describe location, depth, and what was done with excavated soil.

No

6. Identify site management activities being conducted (i.e., groundwater sampling).

Certification, GW monitoring well inspection + repair, water level measurements, GW sampling.

7. Is site documentation as required by the Site Management Plan up to date (yes/no)?
If no, describe:

YES

8. Are any changes to the monitoring program recommended? (yes/no)?
If yes, describe:

No

Site Inspection Form

Former Drive & Park, Inc. 28 IBM Road Poughkeepsie, NY BCP #C314111	Date: 2/3/2020 Printed Name of Inspector: Robert Plybon, P.E. Signature:

1. Is the site compliant with all Institutional Controls, including site usage (commercial or industrial) and groundwater restrictions (yes/no)? If no, describe:

Yes

2. Provide a general description of site conditions.

Generally unchanged. Snow piled along southern property line. Southern property line has been cleared of vines/vegetation since Oct. 2018, although has started to grow back. All wells in fair to good condition. No evidence of excavation or drilling.

3. Provide a general evaluation of the condition of monitoring wells.

All wells in fair to good condition. MW-110 casing slightly bent but unchanged from Oct. 2018 sampling event. Remains functional.

4. Is there any damage to the site cover (soil cover, asphalt cover and concrete cover)? If yes, describe.

No

5. Has any intrusive work been conducted at the site since the last Site Inspection? If so, describe location, depth, and what was done with excavated soil.

No

6. Identify site management activities being conducted (i.e., groundwater sampling).

Certification, groundwater monitoring well inspection, water level monitoring & sampling

7. Is site documentation as required by the Site Management Plan up to date (yes/no)?
If no, describe:

Yes

8. Are any changes to the monitoring program recommended? (yes/no)?
If yes, describe:

No

Site Inspection Form

Former Drive & Park, Inc. 28 IBM Road Poughkeepsie, NY BCP #C314111	Date: 5/5/21 Printed Name of Inspector: Robert Plybon Signature:

1. Is the site compliant with all Institutional Controls, including site usage (commercial or industrial) and groundwater restrictions (yes/no)? If no, describe:

Yes, site continues to be used as an Avis rental car facility. No changes to past use.

2. Provide a general description of site conditions.

Site is characterized as commercial. Almost entirely paved other than landscape areas. Site building is unchanged. Asphalt cap is in good shape.

3. Provide a general evaluation of the condition of monitoring wells.

Monitoring wells are in good working shape. Some well caps are showing minor signs of wear, but still usable. MW-7R is slightly angled due to slope creep, still usable.

4. Is there any damage to the site cover (soil cover, asphalt cover and concrete cover)? If yes, describe.

No

5. Has any intrusive work been conducted at the site since the last Site Inspection? If so, describe location, depth, and what was done with excavated soil.

No

6. Identify site management activities being conducted (i.e., groundwater sampling).

Groundwater sampling every 5th quarter, site cap inspection every 5th quarter.

7. Is site documentation as required by the Site Management Plan up to date (yes/no)? If no, describe:

Yes

8. Are any changes to the monitoring program recommended? (yes/no)? If yes, describe:

No

Appendix B

Institutional and Engineering Controls Certification Form

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. C314111

Site Name Former Drive & Park Inc. Site

Site Address: 28 IBM Road Zip Code: 12601-
City/Town: Poughkeepsie
County: Dutchess
Site Acreage: 2.700

Reporting Period: ~~July 15, 2018 to July 15, 2021~~
July 1, 2018 to June 30, 2021

	YES	NO
1. Is the information above correct?	☐	☒
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?	☐	☒
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☐	☒
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	☐	☒
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?	☐	☒

Box 2

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

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. C314111

Box 3

Description of Institutional Controls

Parcel	Owner	Institutional Control
6060-4-903139	Avis Rent A Car System, LLC	Ground Water Use Restriction Landuse Restriction Site Management Plan Soil Management Plan Monitoring Plan IC/EC Plan

(1) The Controlled Property may be used for: Commercial as described in 6 NYCRR Part 375-1.8(g)(2)(iv);
(2) All Engineering Controls must be operated and maintained as specified in the Site Management Plan (SMP);
(3) All Engineering Controls must be inspected at a frequency and in a manner defined in the SMP.
(4) Groundwater and other environmental or public health monitoring must be performed as defined in the SMP;
(5) Data and information pertinent to Site Management of the Controlled Property must be reported at the frequency and in a manner defined in the SMP;
(6) All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP;
(7) Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP.
(8) Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical components of the remedy shall be performed as defined in the SMP.
(9) 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 by this Environmental Easement.

Box 4

Description of Engineering Controls

Parcel	Engineering Control
6060-4-903139	Cover System

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 Engineering Control 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. For each Engineering control listed in Box 4, I certify by checking "YES" below that all of the following statements are true:

   (a) The 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.

Signature of Owner, Remedial Party or Designated Representative

Date

IC CERTIFICATIONS
SITE NO. C314111

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 Anne D. Morrison (print name) at 6 Sylvan Way, Parsippany, NJ 07054 (print business address),

am certifying as Owner (Owner or Remedial Party)

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

DocuSigned by:
Anne D. Morrison
2B7A0F2850924F4...
Signature of Owner, Remedial Party, or Designated Representative Rendering Certification

8/6/2021
Date

EC CERTIFICATIONS

Box 7

Qualified Environmental Professional 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 Robert W. Plybon (print name) at 18 Division Street, Studio 304, Saratoga Springs, NY 12866 (print business address)

am certifying as a Qualified Environmental Professional for the Avis Rent A Car System, LLC (Owner or Remedial Party)

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

Stamp (Required for PE)

8/6/2021
Date

Appendix C

Laboratory Analytical Reports and Chain-of-Custody Records
For Groundwater Samples

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-144274-1
Client Project/Site: AVIS Rent A Car - Poughkeepsie, NY

For:
EKI Environment & Water Inc
577 Airport Blvd
Suite 500
Burlingame, California 94010

Attn: Mr. David Averill

Joseph V. Giacomazza

Authorized for release by:
11/6/2018 9:20:23 AM
Joe Giacomazza, Project Management Assistant II
joe.giacomazza@testamericainc.com

Designee for

Brian Fischer, Manager of Project Management
(716)504-9835
brian.fischer@testamericainc.com

Table of Contents

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 480-144274-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-144274-1

Comments
No additional comments.

Receipt
The samples were received on 10/27/2018 9:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.5º C.

GC/MS VOA
Method(s) 8260C: The following volatiles samples were diluted due to foaming at the time of purging during the original sample analysis: MW-201-102518 (480-144274-4), MW-201-102518 (480-144274-4[MS]), MW-201-102518 (480-144274-4[MSD]) and MW-1-102518 (480-144274-6). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: EKI Environment & Water Inc
Project/Site: AVIS Rent A Car - Poughkeepsie, NY

TestAmerica Job ID: 480-144274-1

Client Sample ID: MW-110-102518 — Lab Sample ID: 480-144274-1

No Detections.

Client Sample ID: MW-12-102518 — Lab Sample ID: 480-144274-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1.3		1.0	0.41	ug/L	1		8260C	Total/NA
Ethylbenzene	5.1		1.0	0.74	ug/L	1		8260C	Total/NA
m-Xylene & p-Xylene	5.2		2.0	0.66	ug/L	1		8260C	Total/NA
Xylenes, Total	5.2		2.0	0.66	ug/L	1		8260C	Total/NA
Total BTEX	12		2.0	1.0	ug/L	1		8260C	Total/NA

Client Sample ID: MW-1212 -102518 — Lab Sample ID: 480-144274-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1.1		1.0	0.41	ug/L	1		8260C	Total/NA
Ethylbenzene	5.4		1.0	0.74	ug/L	1		8260C	Total/NA
m-Xylene & p-Xylene	5.7		2.0	0.66	ug/L	1		8260C	Total/NA
Xylenes, Total	5.7		2.0	0.66	ug/L	1		8260C	Total/NA
Total BTEX	12		2.0	1.0	ug/L	1		8260C	Total/NA

Client Sample ID: MW-201-102518 — Lab Sample ID: 480-144274-4

No Detections.

Client Sample ID: MW-203-102518 — Lab Sample ID: 480-144274-5

No Detections.

Client Sample ID: MW-1-102518 — Lab Sample ID: 480-144274-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	7.0		2.0	1.5	ug/L	2		8260C	Total/NA
m-Xylene & p-Xylene	27		4.0	1.3	ug/L	2		8260C	Total/NA
o-Xylene	2.2		2.0	1.5	ug/L	2		8260C	Total/NA
Xylenes, Total	29		4.0	1.3	ug/L	2		8260C	Total/NA
Total BTEX	36		4.0	2.0	ug/L	2		8260C	Total/NA

Client Sample ID: TRIP BLANK — Lab Sample ID: 480-144274-7

No Detections.

This Detection Summary does not include radiochemical test results.

Client: EKI Environment & Water Inc
Project/Site: AVIS Rent A Car - Poughkeepsie, NY

TestAmerica Job ID: 480-144274-1

Client Sample ID: MW-110-102518

Lab Sample ID: 480-144274-1

Date Collected: 10/25/18 13:45
Matrix: Water
Date Received: 10/27/18 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			11/05/18 10:58	1
Toluene	ND		1.0	0.51	ug/L			11/05/18 10:58	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/05/18 10:58	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			11/05/18 10:58	1
o-Xylene	ND		1.0	0.76	ug/L			11/05/18 10:58	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/05/18 10:58	1
Total BTEX	ND		2.0	1.0	ug/L			11/05/18 10:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*80 - 120*		*11/05/18 10:58*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*11/05/18 10:58*	*1*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*		*11/05/18 10:58*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*11/05/18 10:58*	*1*

Client Sample ID: MW-12-102518

Lab Sample ID: 480-144274-2

Date Collected: 10/25/18 13:35
Matrix: Water
Date Received: 10/27/18 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**1.3**		1.0	0.41	ug/L			11/05/18 11:25	1
Toluene	ND		1.0	0.51	ug/L			11/05/18 11:25	1
Ethylbenzene	**5.1**		1.0	0.74	ug/L			11/05/18 11:25	1
m-Xylene & p-Xylene	**5.2**		2.0	0.66	ug/L			11/05/18 11:25	1
o-Xylene	ND		1.0	0.76	ug/L			11/05/18 11:25	1
Xylenes, Total	**5.2**		2.0	0.66	ug/L			11/05/18 11:25	1
Total BTEX	**12**		2.0	1.0	ug/L			11/05/18 11:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*80 - 120*		*11/05/18 11:25*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 120*		*11/05/18 11:25*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*11/05/18 11:25*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*11/05/18 11:25*	*1*

Client Sample ID: MW-1212 -102518

Lab Sample ID: 480-144274-3

Date Collected: 10/25/18 13:40
Matrix: Water
Date Received: 10/27/18 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**1.1**		1.0	0.41	ug/L			11/05/18 11:52	1
Toluene	ND		1.0	0.51	ug/L			11/05/18 11:52	1
Ethylbenzene	**5.4**		1.0	0.74	ug/L			11/05/18 11:52	1
m-Xylene & p-Xylene	**5.7**		2.0	0.66	ug/L			11/05/18 11:52	1
o-Xylene	ND		1.0	0.76	ug/L			11/05/18 11:52	1
Xylenes, Total	**5.7**		2.0	0.66	ug/L			11/05/18 11:52	1
Total BTEX	**12**		2.0	1.0	ug/L			11/05/18 11:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*		*11/05/18 11:52*	*1*

Client Sample ID: MW-1212 -102518

Lab Sample ID: 480-144274-3
Date Collected: 10/25/18 13:40
Matrix: Water
Date Received: 10/27/18 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*11/05/18 11:52*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*11/05/18 11:52*	*1*
Dibromofluoromethane (Surr)	*93*		*75 - 123*		*11/05/18 11:52*	*1*

Client Sample ID: MW-201-102518

Lab Sample ID: 480-144274-4
Date Collected: 10/25/18 15:10
Matrix: Water
Date Received: 10/27/18 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0	0.82	ug/L			11/05/18 12:20	2
Toluene	ND		2.0	1.0	ug/L			11/05/18 12:20	2
Ethylbenzene	ND		2.0	1.5	ug/L			11/05/18 12:20	2
m-Xylene & p-Xylene	ND		4.0	1.3	ug/L			11/05/18 12:20	2
o-Xylene	ND		2.0	1.5	ug/L			11/05/18 12:20	2
Xylenes, Total	ND		4.0	1.3	ug/L			11/05/18 12:20	2
Total BTEX	ND		4.0	2.0	ug/L			11/05/18 12:20	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*80 - 120*		*11/05/18 12:20*	*2*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*		*11/05/18 12:20*	*2*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*11/05/18 12:20*	*2*
Dibromofluoromethane (Surr)	*93*		*75 - 123*		*11/05/18 12:20*	*2*

Client Sample ID: MW-203-102518

Lab Sample ID: 480-144274-5
Date Collected: 10/25/18 16:00
Matrix: Water
Date Received: 10/27/18 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			11/05/18 12:47	1
Toluene	ND		1.0	0.51	ug/L			11/05/18 12:47	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/05/18 12:47	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			11/05/18 12:47	1
o-Xylene	ND		1.0	0.76	ug/L			11/05/18 12:47	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/05/18 12:47	1
Total BTEX	ND		2.0	1.0	ug/L			11/05/18 12:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*80 - 120*		*11/05/18 12:47*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*11/05/18 12:47*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*11/05/18 12:47*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*11/05/18 12:47*	*1*

Client Sample ID: MW-1-102518

Lab Sample ID: 480-144274-6

Date Collected: 10/25/18 14:30

Matrix: Water

Date Received: 10/27/18 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0	0.82	ug/L			11/05/18 13:13	2
Toluene	ND		2.0	1.0	ug/L			11/05/18 13:13	2
Ethylbenzene	**7.0**		2.0	1.5	ug/L			11/05/18 13:13	2
m-Xylene & p-Xylene	**27**		4.0	1.3	ug/L			11/05/18 13:13	2
o-Xylene	**2.2**		2.0	1.5	ug/L			11/05/18 13:13	2
Xylenes, Total	**29**		4.0	1.3	ug/L			11/05/18 13:13	2
Total BTEX	**36**		4.0	2.0	ug/L			11/05/18 13:13	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*80 - 120*		*11/05/18 13:13*	*2*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 120*		*11/05/18 13:13*	*2*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*11/05/18 13:13*	*2*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*11/05/18 13:13*	*2*

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-144274-7

Date Collected: 10/25/18 00:00

Matrix: Water

Date Received: 10/27/18 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			11/05/18 13:41	1
Toluene	ND		1.0	0.51	ug/L			11/05/18 13:41	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/05/18 13:41	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			11/05/18 13:41	1
o-Xylene	ND		1.0	0.76	ug/L			11/05/18 13:41	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/05/18 13:41	1
Total BTEX	ND		2.0	1.0	ug/L			11/05/18 13:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*80 - 120*		*11/05/18 13:41*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*11/05/18 13:41*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*11/05/18 13:41*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*11/05/18 13:41*	*1*

Surrogate Summary

Client: EKI Environment & Water Inc
Project/Site: AVIS Rent A Car - Poughkeepsie, NY

TestAmerica Job ID: 480-144274-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		TOL	DCA	BFB	DBFM
Lab Sample ID	Client Sample ID	(80-120)	(77-120)	(73-120)	(75-123)
480-144274-1	MW-110-102518	102	101	107	98
480-144274-2	MW-12-102518	100	108	101	98
480-144274-3	MW-1212 -102518	99	102	100	93
480-144274-4	MW-201-102518	102	97	102	93
480-144274-4 MS	MW-201-102518	99	103	98	97
480-144274-4 MSD	MW-201-102518	100	99	98	95
480-144274-5	MW-203-102518	98	106	99	100
480-144274-6	MW-1-102518	100	107	101	101
480-144274-7	TRIP BLANK	101	103	103	99
LCS 480-443555/5	Lab Control Sample	99	107	101	101
MB 480-443555/7	Method Blank	97	100	101	96

Surrogate Legend

TOL = Toluene-d8 (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-443555/7
Matrix: Water
Analysis Batch: 443555

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			11/05/18 10:08	1
Toluene	ND		1.0	0.51	ug/L			11/05/18 10:08	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/05/18 10:08	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			11/05/18 10:08	1
o-Xylene	ND		1.0	0.76	ug/L			11/05/18 10:08	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/05/18 10:08	1
Total BTEX	ND		2.0	1.0	ug/L			11/05/18 10:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*80 - 120*		*11/05/18 10:08*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*11/05/18 10:08*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*11/05/18 10:08*	*1*
Dibromofluoromethane (Surr)	*96*		*75 - 123*		*11/05/18 10:08*	*1*

Lab Sample ID: LCS 480-443555/5
Matrix: Water
Analysis Batch: 443555

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			25.0	24.2		ug/L		97	71 - 124		
Toluene			25.0	23.3		ug/L		93	80 - 122		
Ethylbenzene			25.0	24.2		ug/L		97	77 - 123		
m-Xylene & p-Xylene			25.0	23.9		ug/L		96	76 - 122		
o-Xylene			25.0	24.0		ug/L		96	76 - 122		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*99*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 120*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*
Dibromofluoromethane (Surr)	*101*		*75 - 123*

Lab Sample ID: 480-144274-4 MS
Matrix: Water
Analysis Batch: 443555

Client Sample ID: MW-201-102518
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	ND		50.0	47.9		ug/L		96	71 - 124		
Toluene	ND		50.0	46.9		ug/L		94	80 - 122		
Ethylbenzene	ND		50.0	49.7		ug/L		99	77 - 123		
m-Xylene & p-Xylene	ND		50.0	49.8		ug/L		100	76 - 122		
o-Xylene	ND		50.0	48.0		ug/L		96	76 - 122		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*99*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*
Dibromofluoromethane (Surr)	*97*		*75 - 123*

QC Sample Results

Client: EKI Environment & Water Inc
Project/Site: AVIS Rent A Car - Poughkeepsie, NY

TestAmerica Job ID: 480-144274-1

Lab Sample ID: 480-144274-4 MSD
Matrix: Water
Analysis Batch: 443555

Client Sample ID: MW-201-102518
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	ND		50.0	47.1		ug/L		94	71 - 124	2	13
Toluene	ND		50.0	46.5		ug/L		93	80 - 122	1	15
Ethylbenzene	ND		50.0	49.8		ug/L		100	77 - 123	0	15
m-Xylene & p-Xylene	ND		50.0	50.5		ug/L		101	76 - 122	2	16
o-Xylene	ND		50.0	47.2		ug/L		94	76 - 122	2	16

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*100*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*
Dibromofluoromethane (Surr)	*95*		*75 - 123*

QC Association Summary

Client: EKI Environment & Water Inc
Project/Site: AVIS Rent A Car - Poughkeepsie, NY

TestAmerica Job ID: 480-144274-1

GC/MS VOA

Analysis Batch: 443555

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-144274-1	MW-110-102518	Total/NA	Water	8260C	
480-144274-2	MW-12-102518	Total/NA	Water	8260C	
480-144274-3	MW-1212 -102518	Total/NA	Water	8260C	
480-144274-4	MW-201-102518	Total/NA	Water	8260C	
480-144274-5	MW-203-102518	Total/NA	Water	8260C	
480-144274-6	MW-1-102518	Total/NA	Water	8260C	
480-144274-7	TRIP BLANK	Total/NA	Water	8260C	
MB 480-443555/7	Method Blank	Total/NA	Water	8260C	
LCS 480-443555/5	Lab Control Sample	Total/NA	Water	8260C	
480-144274-4 MS	MW-201-102518	Total/NA	Water	8260C	
480-144274-4 MSD	MW-201-102518	Total/NA	Water	8260C	

Lab Chronicle

Client: EKI Environment & Water Inc
Project/Site: AVIS Rent A Car - Poughkeepsie, NY

TestAmerica Job ID: 480-144274-1

Client Sample ID: MW-110-102518
Lab Sample ID: 480-144274-1
Date Collected: 10/25/18 13:45
Matrix: Water
Date Received: 10/27/18 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	443555	11/05/18 10:58	NMC	TAL BUF

Client Sample ID: MW-12-102518
Lab Sample ID: 480-144274-2
Date Collected: 10/25/18 13:35
Matrix: Water
Date Received: 10/27/18 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	443555	11/05/18 11:25	NMC	TAL BUF

Client Sample ID: MW-1212 -102518
Lab Sample ID: 480-144274-3
Date Collected: 10/25/18 13:40
Matrix: Water
Date Received: 10/27/18 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	443555	11/05/18 11:52	NMC	TAL BUF

Client Sample ID: MW-201-102518
Lab Sample ID: 480-144274-4
Date Collected: 10/25/18 15:10
Matrix: Water
Date Received: 10/27/18 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	443555	11/05/18 12:20	NMC	TAL BUF

Client Sample ID: MW-203-102518
Lab Sample ID: 480-144274-5
Date Collected: 10/25/18 16:00
Matrix: Water
Date Received: 10/27/18 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	443555	11/05/18 12:47	NMC	TAL BUF

Client Sample ID: MW-1-102518
Lab Sample ID: 480-144274-6
Date Collected: 10/25/18 14:30
Matrix: Water
Date Received: 10/27/18 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	443555	11/05/18 13:13	NMC	TAL BUF

Lab Chronicle

Client: EKI Environment & Water Inc
Project/Site: AVIS Rent A Car - Poughkeepsie, NY

TestAmerica Job ID: 480-144274-1

Client Sample ID: TRIP BLANK

Date Collected: 10/25/18 00:00
Date Received: 10/27/18 09:00

Lab Sample ID: 480-144274-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	443555	11/05/18 13:41	NMC	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: EKI Environment & Water Inc
TestAmerica Job ID: 480-144274-1
Project/Site: AVIS Rent A Car - Poughkeepsie, NY

Laboratory: TestAmerica Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	EPA Region	Identification Number	Expiration Date
New York	NELAP	2	10026	03-31-19

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8260C		Water	Total BTEX

Method Summary

Client: EKI Environment & Water Inc
Project/Site: AVIS Rent A Car - Poughkeepsie, NY

TestAmerica Job ID: 480-144274-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: EKI Environment & Water Inc
Project/Site: AVIS Rent A Car - Poughkeepsie, NY

TestAmerica Job ID: 480-144274-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-144274-1	MW-110-102518	Water	10/25/18 13:45	10/27/18 09:00
480-144274-2	MW-12-102518	Water	10/25/18 13:35	10/27/18 09:00
480-144274-3	MW-1212 -102518	Water	10/25/18 13:40	10/27/18 09:00
480-144274-4	MW-201-102518	Water	10/25/18 15:10	10/27/18 09:00
480-144274-5	MW-203-102518	Water	10/25/18 16:00	10/27/18 09:00
480-144274-6	MW-1-102518	Water	10/25/18 14:30	10/27/18 09:00
480-144274-7	TRIP BLANK	Water	10/25/18 00:00	10/27/18 09:00

TestAmerica Buffalo
10 Hazelwood Drive

Amherst, NY 14228
Phone: 716.691.2600 Fax: 716.691.7991

Chain of Custody Record 305925

TestAm
THE LEADER IN ENVIRO
TestAmerica Lab

480-144274 COC

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: David Averill	Site Contact: D. Averill	Date: 10-25-18	COC No: 2018
Company Name: EKI Environment & Water, Inc	Tel/Fax: (603) 378-2793	Lab Contact: Brian Fischer	Carrier:	1 of 1 COCs
Address: 577 Airport Blvd	Analysis Turnaround Time			Sampler: DSA + RWP
City/State/Zip: Burlingame, CA 94010	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone: 650-292-9100	TAT if different from Below ____			Walk-in Client:
Fax:	☒ 2 weeks			Lab Sampling:
Project Name: Avis Poughkeepsie NY	☐ 1 week			
Site:	☐ 2 days			Job / SDG No.:
PO #	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	BTEX by 8260	Sample Specific Notes:
MW-110-102518	10/25/18	13:45	G	Water	3	N	N	X	HCL
MW-12-102518	10/25/18	13:35	G	Water	3	N	N	X	HCL
MW-1212-102518	10/25/18	13:40	G	Water	3	N	N	X	HCL
MW-201-102518	10/25/18	15:10	G	Water	9	N	Y	X	HCl
MW-203-102518	10/25/18	16:00	G	Water	3	N	N	X	HCl
MW-1-102518	10/25/18	14:30	G	Water	3	N	N	X	HCl
TRIP BLANK				Water		N	N	X	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other ____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☒ Disposal by Lab ☐ Archive for ____ Months

Special Instructions/QC Requirements & Comments:
Electronic Data Deliverable for NYSDEC #1315

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: 4 Corr'd: ____ | Therm ID No.: ____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	EKI	10/26/18 12:30	FEDEX	FEDEX	10/26/18 12:30
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
			Cwallace	TAB	10/27/18 0900
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

11/6/2018

Login Sample Receipt Checklist

Client: EKI Environment & Water Inc

Job Number: 480-144274-1

Login Number: 144274
List Number: 1
Creator: Wallace, Cameron

List Source: TestAmerica Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background		
The cooler's custody seal, if present, is intact.		
The cooler or samples do not appear to have been compromised or tampered with.		
Samples were received on ice.		
Cooler Temperature is acceptable.		
Cooler Temperature is recorded.		
COC is present.		
COC is filled out in ink and legible.		
COC is filled out with all pertinent information.		
Is the Field Sampler's name present on COC?		
There are no discrepancies between the sample IDs on the containers and the COC.		
Samples are received within Holding Time (Excluding tests with immediate HTs)..		
Sample containers have legible labels.		
Containers are not broken or leaking.		
Sample collection date/times are provided.		
Appropriate sample containers are used.		
Sample bottles are completely filled.		
Sample Preservation Verified		
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs		
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.		
If necessary, staff have been informed of any short hold time or quick TAT needs		
Multiphasic samples are not present.		
Samples do not require splitting or compositing.		
Sampling Company provided.		
Samples received within 48 hours of sampling.		
Samples requiring field filtration have been filtered in the field.		
Chlorine Residual checked.		

eurofins | Environment Testing TestAmerica

ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-165918-1
Client Project/Site: AVIS Rent A Car - Poughkeepsie, NY

For:
EKI Environment & Water Inc
577 Airport Blvd
Suite 500
Burlingame, California 94010

Attn: Mr. David Averill

Joseph V. Giacomazza

Authorized for release by:
2/13/2020 9:48:14 AM
Joe Giacomazza, Project Management Assistant II
joe.giacomazza@testamericainc.com

Designee for

Brian Fischer, Manager of Project Management
(716)504-9835
brian.fischer@testamericainc.com

Table of Contents

Definitions/Glossary

Client: EKI Environment & Water Inc
Job ID: 480-165918-1
Project/Site: AVIS Rent A Car - Poughkeepsie, NY

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 480-165918-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-165918-1

Comments
No additional comments.

Receipt
The samples were received on 2/4/2020 10:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.6º C.

GC/MS VOA
Method 8260C: The following sample was diluted due to the abundance of non-target analytes: MW-1-020320 (480-165918-1). Elevated reporting limits (RLs) are provided.

Method 8260C: The matrix spike / matrix spike duplicate (MS/MSD) precision for analytical batch 480-517025 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected. The following samples are impacted: MW-12-020320 (480-165918-3[MS]) and MW-12-020320 (480-165918-3[MSD]).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: EKI Environment & Water Inc
Job ID: 480-165918-1
Project/Site: AVIS Rent A Car - Poughkeepsie, NY

Client Sample ID: MW-1-020320 — Lab Sample ID: 480-165918-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	17		2.0	1.5	ug/L	2		8260C	Total/NA
m-Xylene & p-Xylene	9.8		4.0	1.3	ug/L	2		8260C	Total/NA
o-Xylene	4.2		2.0	1.5	ug/L	2		8260C	Total/NA
Xylenes, Total	14		4.0	1.3	ug/L	2		8260C	Total/NA
Total BTEX	31		4.0	2.0	ug/L	2		8260C	Total/NA

Client Sample ID: MW-1212-020320 — Lab Sample ID: 480-165918-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1.8		1.0	0.41	ug/L	1		8260C	Total/NA
Toluene	0.85	J	1.0	0.51	ug/L	1		8260C	Total/NA
Ethylbenzene	18		1.0	0.74	ug/L	1		8260C	Total/NA
m-Xylene & p-Xylene	7.6		2.0	0.66	ug/L	1		8260C	Total/NA
Xylenes, Total	7.6		2.0	0.66	ug/L	1		8260C	Total/NA
Total BTEX	28		2.0	1.0	ug/L	1		8260C	Total/NA

Client Sample ID: MW-12-020320 — Lab Sample ID: 480-165918-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1.2		1.0	0.41	ug/L	1		8260C	Total/NA
Toluene	0.55	J	1.0	0.51	ug/L	1		8260C	Total/NA
Ethylbenzene	11	F2	1.0	0.74	ug/L	1		8260C	Total/NA
m-Xylene & p-Xylene	4.9		2.0	0.66	ug/L	1		8260C	Total/NA
Xylenes, Total	4.9		2.0	0.66	ug/L	1		8260C	Total/NA
Total BTEX	18		2.0	1.0	ug/L	1		8260C	Total/NA

Client Sample ID: MW-110-020320 — Lab Sample ID: 480-165918-4

No Detections.

Client Sample ID: MW-201-020320 — Lab Sample ID: 480-165918-5

No Detections.

Client Sample ID: MW-203-020320 — Lab Sample ID: 480-165918-6

No Detections.

Client Sample ID: TRIP BLANK — Lab Sample ID: 480-165918-7

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-1-020320
Lab Sample ID: 480-165918-1

Date Collected: 02/03/20 14:37
Matrix: Water
Date Received: 02/04/20 10:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0	0.82	ug/L			02/11/20 15:56	2
Toluene	ND		2.0	1.0	ug/L			02/11/20 15:56	2
Ethylbenzene	**17**		2.0	1.5	ug/L			02/11/20 15:56	2
m-Xylene & p-Xylene	**9.8**		4.0	1.3	ug/L			02/11/20 15:56	2
o-Xylene	**4.2**		2.0	1.5	ug/L			02/11/20 15:56	2
Xylenes, Total	**14**		4.0	1.3	ug/L			02/11/20 15:56	2
Total BTEX	**31**		4.0	2.0	ug/L			02/11/20 15:56	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*104*		*80 - 120*		*02/11/20 15:56*	*2*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*02/11/20 15:56*	*2*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*02/11/20 15:56*	*2*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*02/11/20 15:56*	*2*

Client Sample ID: MW-1212-020320
Lab Sample ID: 480-165918-2

Date Collected: 02/03/20 13:12
Matrix: Water
Date Received: 02/04/20 10:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**1.8**		1.0	0.41	ug/L			02/11/20 16:19	1
Toluene	**0.85**	**J**	1.0	0.51	ug/L			02/11/20 16:19	1
Ethylbenzene	**18**		1.0	0.74	ug/L			02/11/20 16:19	1
m-Xylene & p-Xylene	**7.6**		2.0	0.66	ug/L			02/11/20 16:19	1
o-Xylene	ND		1.0	0.76	ug/L			02/11/20 16:19	1
Xylenes, Total	**7.6**		2.0	0.66	ug/L			02/11/20 16:19	1
Total BTEX	**28**		2.0	1.0	ug/L			02/11/20 16:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*103*		*80 - 120*		*02/11/20 16:19*	*1*
1,2-Dichloroethane-d4 (Surr)	*114*		*77 - 120*		*02/11/20 16:19*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*02/11/20 16:19*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 123*		*02/11/20 16:19*	*1*

Client Sample ID: MW-12-020320
Lab Sample ID: 480-165918-3

Date Collected: 02/03/20 13:12
Matrix: Water
Date Received: 02/04/20 10:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**1.2**		1.0	0.41	ug/L			02/11/20 16:42	1
Toluene	**0.55**	**J**	1.0	0.51	ug/L			02/11/20 16:42	1
Ethylbenzene	**11**	**F2**	1.0	0.74	ug/L			02/11/20 16:42	1
m-Xylene & p-Xylene	**4.9**		2.0	0.66	ug/L			02/11/20 16:42	1
o-Xylene	ND		1.0	0.76	ug/L			02/11/20 16:42	1
Xylenes, Total	**4.9**		2.0	0.66	ug/L			02/11/20 16:42	1
Total BTEX	**18**		2.0	1.0	ug/L			02/11/20 16:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*103*		*80 - 120*		*02/11/20 16:42*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*77 - 120*		*02/11/20 16:42*	*1*

Client Sample ID: MW-12-020320
Lab Sample ID: 480-165918-3

Date Collected: 02/03/20 13:12
Matrix: Water
Date Received: 02/04/20 10:00

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*02/11/20 16:42*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*02/11/20 16:42*	*1*

Client Sample ID: MW-110-020320
Lab Sample ID: 480-165918-4

Date Collected: 02/03/20 13:33
Matrix: Water
Date Received: 02/04/20 10:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			02/11/20 17:05	1
Toluene	ND		1.0	0.51	ug/L			02/11/20 17:05	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/11/20 17:05	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			02/11/20 17:05	1
o-Xylene	ND		1.0	0.76	ug/L			02/11/20 17:05	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/11/20 17:05	1
Total BTEX	ND		2.0	1.0	ug/L			02/11/20 17:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*105*		*80 - 120*		*02/11/20 17:05*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*02/11/20 17:05*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*02/11/20 17:05*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*02/11/20 17:05*	*1*

Client Sample ID: MW-201-020320
Lab Sample ID: 480-165918-5

Date Collected: 02/03/20 10:50
Matrix: Water
Date Received: 02/04/20 10:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			02/11/20 22:27	1
Toluene	ND		1.0	0.51	ug/L			02/11/20 22:27	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/11/20 22:27	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			02/11/20 22:27	1
o-Xylene	ND		1.0	0.76	ug/L			02/11/20 22:27	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/11/20 22:27	1
Total BTEX	ND		2.0	1.0	ug/L			02/11/20 22:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*105*		*80 - 120*		*02/11/20 22:27*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*02/11/20 22:27*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*02/11/20 22:27*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*02/11/20 22:27*	*1*

Client Sample ID: MW-203-020320
Lab Sample ID: 480-165918-6

Date Collected: 02/03/20 11:58
Matrix: Water
Date Received: 02/04/20 10:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			02/11/20 17:51	1
Toluene	ND		1.0	0.51	ug/L			02/11/20 17:51	1

Client Sample ID: MW-203-020320

Lab Sample ID: 480-165918-6

Date Collected: 02/03/20 11:58

Matrix: Water

Date Received: 02/04/20 10:00

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.74	ug/L			02/11/20 17:51	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			02/11/20 17:51	1
o-Xylene	ND		1.0	0.76	ug/L			02/11/20 17:51	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/11/20 17:51	1
Total BTEX	ND		2.0	1.0	ug/L			02/11/20 17:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*80 - 120*		*02/11/20 17:51*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*02/11/20 17:51*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*02/11/20 17:51*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*02/11/20 17:51*	*1*

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-165918-7

Date Collected: 02/03/20 00:00

Matrix: Water

Date Received: 02/04/20 10:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			02/11/20 18:14	1
Toluene	ND		1.0	0.51	ug/L			02/11/20 18:14	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/11/20 18:14	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			02/11/20 18:14	1
o-Xylene	ND		1.0	0.76	ug/L			02/11/20 18:14	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/11/20 18:14	1
Total BTEX	ND		2.0	1.0	ug/L			02/11/20 18:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*105*		*80 - 120*		*02/11/20 18:14*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*02/11/20 18:14*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*02/11/20 18:14*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*02/11/20 18:14*	*1*

Surrogate Summary

Client: EKI Environment & Water Inc
Job ID: 480-165918-1
Project/Site: AVIS Rent A Car - Poughkeepsie, NY

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		TOL	DCA	BFB	DBFM
Lab Sample ID	Client Sample ID	(80-120)	(77-120)	(73-120)	(75-123)
480-165918-1	MW-1-020320	104	103	98	100
480-165918-2	MW-1212-020320	103	114	98	97
480-165918-3	MW-12-020320	103	111	101	98
480-165918-3 MS	MW-12-020320	105	113	96	99
480-165918-3 MSD	MW-12-020320	104	106	98	99
480-165918-4	MW-110-020320	105	98	100	99
480-165918-5	MW-201-020320	105	98	100	100
480-165918-6	MW-203-020320	102	103	99	100
480-165918-7	TRIP BLANK	105	100	101	100
LCS 480-517025/4	Lab Control Sample	106	98	100	98
LCS 480-517156/4	Lab Control Sample	107	97	101	100
MB 480-517025/6	Method Blank	104	99	100	99
MB 480-517156/6	Method Blank	104	99	100	99

Surrogate Legend

TOL = Toluene-d8 (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-517025/6
Matrix: Water
Analysis Batch: 517025

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			02/11/20 11:07	1
Toluene	ND		1.0	0.51	ug/L			02/11/20 11:07	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/11/20 11:07	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			02/11/20 11:07	1
o-Xylene	ND		1.0	0.76	ug/L			02/11/20 11:07	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/11/20 11:07	1
Total BTEX	ND		2.0	1.0	ug/L			02/11/20 11:07	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*104*		*80 - 120*		*02/11/20 11:07*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*02/11/20 11:07*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*02/11/20 11:07*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*02/11/20 11:07*	*1*

Lab Sample ID: LCS 480-517025/4
Matrix: Water
Analysis Batch: 517025

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			25.0	23.5		ug/L		94	71 - 124		
Toluene			25.0	23.6		ug/L		94	80 - 122		
Ethylbenzene			25.0	23.8		ug/L		95	77 - 123		
m-Xylene & p-Xylene			25.0	23.6		ug/L		94	76 - 122		
o-Xylene			25.0	23.2		ug/L		93	76 - 122		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*106*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*
Dibromofluoromethane (Surr)	*98*		*75 - 123*

Lab Sample ID: 480-165918-3 MS
Matrix: Water
Analysis Batch: 517025

Client Sample ID: MW-12-020320
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	1.2		25.0	28.4		ug/L		109	71 - 124		
Toluene	0.55	J	25.0	27.3		ug/L		107	80 - 122		
Ethylbenzene	11	F2	25.0	41.3		ug/L		121	77 - 123		
m-Xylene & p-Xylene	4.9		25.0	32.3		ug/L		110	76 - 122		
o-Xylene	ND		25.0	25.7		ug/L		103	76 - 122		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*105*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*113*		*77 - 120*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*
Dibromofluoromethane (Surr)	*99*		*75 - 123*

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-165918-3 MSD
Matrix: Water
Analysis Batch: 517025

Client Sample ID: MW-12-020320
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	1.2		25.0	27.4		ug/L		105	71 - 124	3	13
Toluene	0.55	J	25.0	26.3		ug/L		103	80 - 122	3	15
Ethylbenzene	11	F2	25.0	33.2	F2	ug/L		88	77 - 123	22	15
m-Xylene & p-Xylene	4.9		25.0	29.3		ug/L		98	76 - 122	10	16
o-Xylene	ND		25.0	25.5		ug/L		102	76 - 122	1	16

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*104*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*
Dibromofluoromethane (Surr)	*99*		*75 - 123*

Lab Sample ID: MB 480-517156/6
Matrix: Water
Analysis Batch: 517156

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			02/11/20 21:31	1
Toluene	ND		1.0	0.51	ug/L			02/11/20 21:31	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/11/20 21:31	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			02/11/20 21:31	1
o-Xylene	ND		1.0	0.76	ug/L			02/11/20 21:31	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/11/20 21:31	1
Total BTEX	ND		2.0	1.0	ug/L			02/11/20 21:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*104*		*80 - 120*		*02/11/20 21:31*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*02/11/20 21:31*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*02/11/20 21:31*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*02/11/20 21:31*	*1*

Lab Sample ID: LCS 480-517156/4
Matrix: Water
Analysis Batch: 517156

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			25.0	24.8		ug/L		99	71 - 124		
Toluene			25.0	24.7		ug/L		99	80 - 122		
Ethylbenzene			25.0	24.7		ug/L		99	77 - 123		
m-Xylene & p-Xylene			25.0	24.6		ug/L		98	76 - 122		
o-Xylene			25.0	24.2		ug/L		97	76 - 122		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*107*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*
Dibromofluoromethane (Surr)	*100*		*75 - 123*

QC Association Summary

Client: EKI Environment & Water Inc
Job ID: 480-165918-1
Project/Site: AVIS Rent A Car - Poughkeepsie, NY

GC/MS VOA

Analysis Batch: 517025

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-165918-1	MW-1-020320	Total/NA	Water	8260C	
480-165918-2	MW-1212-020320	Total/NA	Water	8260C	
480-165918-3	MW-12-020320	Total/NA	Water	8260C	
480-165918-4	MW-110-020320	Total/NA	Water	8260C	
480-165918-6	MW-203-020320	Total/NA	Water	8260C	
480-165918-7	TRIP BLANK	Total/NA	Water	8260C	
MB 480-517025/6	Method Blank	Total/NA	Water	8260C	
LCS 480-517025/4	Lab Control Sample	Total/NA	Water	8260C	
480-165918-3 MS	MW-12-020320	Total/NA	Water	8260C	
480-165918-3 MSD	MW-12-020320	Total/NA	Water	8260C	

Analysis Batch: 517156

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-165918-5	MW-201-020320	Total/NA	Water	8260C	
MB 480-517156/6	Method Blank	Total/NA	Water	8260C	
LCS 480-517156/4	Lab Control Sample	Total/NA	Water	8260C	

Lab Chronicle

Client: EKI Environment & Water Inc
Job ID: 480-165918-1
Project/Site: AVIS Rent A Car - Poughkeepsie, NY

Client Sample ID: MW-1-020320
Lab Sample ID: 480-165918-1
Date Collected: 02/03/20 14:37
Matrix: Water
Date Received: 02/04/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	517025	02/11/20 15:56	CDC	TAL BUF

Client Sample ID: MW-1212-020320
Lab Sample ID: 480-165918-2
Date Collected: 02/03/20 13:12
Matrix: Water
Date Received: 02/04/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	517025	02/11/20 16:19	CDC	TAL BUF

Client Sample ID: MW-12-020320
Lab Sample ID: 480-165918-3
Date Collected: 02/03/20 13:12
Matrix: Water
Date Received: 02/04/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	517025	02/11/20 16:42	CDC	TAL BUF

Client Sample ID: MW-110-020320
Lab Sample ID: 480-165918-4
Date Collected: 02/03/20 13:33
Matrix: Water
Date Received: 02/04/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	517025	02/11/20 17:05	CDC	TAL BUF

Client Sample ID: MW-201-020320
Lab Sample ID: 480-165918-5
Date Collected: 02/03/20 10:50
Matrix: Water
Date Received: 02/04/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	517156	02/11/20 22:27	OMI	TAL BUF

Client Sample ID: MW-203-020320
Lab Sample ID: 480-165918-6
Date Collected: 02/03/20 11:58
Matrix: Water
Date Received: 02/04/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	517025	02/11/20 17:51	CDC	TAL BUF

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-165918-7
Date Collected: 02/03/20 00:00
Matrix: Water
Date Received: 02/04/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	517025	02/11/20 18:14	CDC	TAL BUF

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: EKI Environment & Water Inc
Job ID: 480-165918-1
Project/Site: AVIS Rent A Car - Poughkeepsie, NY

Laboratory: Eurofins TestAmerica, Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-01-20 *

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8260C		Water	Total BTEX

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

Client: EKI Environment & Water Inc
Job ID: 480-165918-1
Project/Site: AVIS Rent A Car - Poughkeepsie, NY

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: EKI Environment & Water Inc
Job ID: 480-165918-1
Project/Site: AVIS Rent A Car - Poughkeepsie, NY

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-165918-1	MW-1-020320	Water	02/03/20 14:37	02/04/20 10:00	
480-165918-2	MW-1212-020320	Water	02/03/20 13:12	02/04/20 10:00	
480-165918-3	MW-12-020320	Water	02/03/20 13:12	02/04/20 10:00	
480-165918-4	MW-110-020320	Water	02/03/20 13:33	02/04/20 10:00	
480-165918-5	MW-201-020320	Water	02/03/20 10:50	02/04/20 10:00	
480-165918-6	MW-203-020320	Water	02/03/20 11:58	02/04/20 10:00	
480-165918-7	TRIP BLANK	Water	02/03/20 00:00	02/04/20 10:00	

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Robert Plybon	Lab PM: Fischer, Brian J	Carrier Tracking No(s):	COC No: 480-141708-27720.1
Client Contact: Mr. David Averill and Mr. Robert Plybon	Phone: 650-292-9070	E-Mail: brian.fischer@testamericainc.com		Page: Page 1 of 1
Company: EKI Environment & Water Inc				Job #:
Address: 577 Airport Blvd Suite 500	Due Date Requested:			
City: Burlingame	TAT Requested (days): Standard (2 wks)			
State, Zip: CA, 94010				
Phone: 603-378-2793(Tel) 650-292-9070	PO #: Purchase Order not required			
Email: daverill@ekiconsult.com bplybon@ekiconsult.com	WO #:			
Project Name: AVIS Rent A Car - Poughkeepsie, NY	Project #: 48016390 B70066.00			
Site: Avis Poughkeepsie - 28 IBM Road	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

480-165918 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - BTEX - 8260	Total Number	Special Instructions/Note:
			Preservation Code:				A		
MW-1-020320	2/3/20	14:37	G	Water	N	N	X	3	
MW-1212-020320	2/3/20	13:12	G	Water	N	N	X	3	
MW-12-020320	2/3/20	13:12	G	Water	N	Yes	X	9	Expect low level BTEX -MS/MSD
MW-110-020320	2/3/20	13:33	G	Water	N	N	X	3	
MW-201-020320	2/3/20	10:50	G	Water	N	N	X	3	
MW-203-020320	2/3/20	11:58	G	Water	N	N	X	3	
TRIP BLANK				Water	N	N	X	2	
				Water					
				Water					
				Water					

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify) EDD for NYSDEC

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment: UPS next day

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		2/3/20 ~~1500~~ 16:07	EKI	UPS		
2	Relinquished by:	Date/Time:	Company	Received by: Unknown	Date/Time: 02/04/20 1000	Company TA
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1.6 #1 ICE

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: EKI Environment & Water Inc

Job Number: 480-165918-1

Login Number: 165918

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Harper, Marcus D

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

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ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-184246-1
Client Project/Site: AVIS Rent A Car - Poughkeepsie, NY

For:
EKI Environment & Water Inc
577 Airport Blvd
Suite 500
Burlingame, California 94010

Attn: Mr. David Averill

Authorized for release by:
5/10/2021 5:02:25 PM
Rebecca Jones, Project Management Assistant I
Rebecca.Jones@Eurofinset.com

Designee for

Brian Fischer, Manager of Project Management
(716)504-9835
Brian.Fischer@Eurofinset.com

Table of Contents

Definitions/Glossary

Client: EKI Environment & Water Inc
Job ID: 480-184246-1
Project/Site: AVIS Rent A Car - Poughkeepsie, NY

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 480-184246-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-184246-1

Comments
No additional comments.

Receipt
The samples were received on 5/6/2021 10:30 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.8º C.

GC/MS VOA
Method 8260C: The following sample was diluted due to the nature of the sample matrix: MW-1-050521 (480-184246-1). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: EKI Environment & Water Inc
Job ID: 480-184246-1
Project/Site: AVIS Rent A Car - Poughkeepsie, NY

Client Sample ID: MW-1-050521 — Lab Sample ID: 480-184246-1

No Detections.

Client Sample ID: MW-110-050521 — Lab Sample ID: 480-184246-2

No Detections.

Client Sample ID: MW-12-050521 — Lab Sample ID: 480-184246-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	2.6		1.0	0.74	ug/L	1		8260C	Total/NA
Total BTEX	2.6		2.0	1.0	ug/L	1		8260C	Total/NA

Client Sample ID: MW-1212-050521 — Lab Sample ID: 480-184246-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	2.7		1.0	0.74	ug/L	1		8260C	Total/NA
Total BTEX	2.7		2.0	1.0	ug/L	1		8260C	Total/NA

Client Sample ID: MW-201-050521 — Lab Sample ID: 480-184246-5

No Detections.

Client Sample ID: MW-203-050521 — Lab Sample ID: 480-184246-6

No Detections.

Client Sample ID: TRIP BLANK — Lab Sample ID: 480-184246-7

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-1-050521
Lab Sample ID: 480-184246-1
Date Collected: 05/05/21 12:00
Matrix: Water
Date Received: 05/06/21 10:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0	0.82	ug/L			05/07/21 16:37	2
Toluene	ND		2.0	1.0	ug/L			05/07/21 16:37	2
Ethylbenzene	ND		2.0	1.5	ug/L			05/07/21 16:37	2
m-Xylene & p-Xylene	ND		4.0	1.3	ug/L			05/07/21 16:37	2
o-Xylene	ND		2.0	1.5	ug/L			05/07/21 16:37	2
Xylenes, Total	ND		4.0	1.3	ug/L			05/07/21 16:37	2
Total BTEX	ND		4.0	2.0	ug/L			05/07/21 16:37	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*80 - 120*		*05/07/21 16:37*	*2*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*05/07/21 16:37*	*2*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*05/07/21 16:37*	*2*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*05/07/21 16:37*	*2*

Client Sample ID: MW-110-050521
Lab Sample ID: 480-184246-2
Date Collected: 05/05/21 14:30
Matrix: Water
Date Received: 05/06/21 10:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			05/07/21 16:59	1
Toluene	ND		1.0	0.51	ug/L			05/07/21 16:59	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/07/21 16:59	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			05/07/21 16:59	1
o-Xylene	ND		1.0	0.76	ug/L			05/07/21 16:59	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/07/21 16:59	1
Total BTEX	ND		2.0	1.0	ug/L			05/07/21 16:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*94*		*80 - 120*		*05/07/21 16:59*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*05/07/21 16:59*	*1*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*05/07/21 16:59*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*05/07/21 16:59*	*1*

Client Sample ID: MW-12-050521
Lab Sample ID: 480-184246-3
Date Collected: 05/05/21 14:05
Matrix: Water
Date Received: 05/06/21 10:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			05/07/21 17:22	1
Toluene	ND		1.0	0.51	ug/L			05/07/21 17:22	1
Ethylbenzene	**2.6**		1.0	0.74	ug/L			05/07/21 17:22	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			05/07/21 17:22	1
o-Xylene	ND		1.0	0.76	ug/L			05/07/21 17:22	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/07/21 17:22	1
Total BTEX	**2.6**		2.0	1.0	ug/L			05/07/21 17:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*91*		*80 - 120*		*05/07/21 17:22*	*1*
1,2-Dichloroethane-d4 (Surr)	*117*		*77 - 120*		*05/07/21 17:22*	*1*

Client Sample ID: MW-12-050521
Lab Sample ID: 480-184246-3
Date Collected: 05/05/21 14:05
Matrix: Water
Date Received: 05/06/21 10:30

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*73 - 120*		*05/07/21 17:22*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*05/07/21 17:22*	*1*

Client Sample ID: MW-1212-050521
Lab Sample ID: 480-184246-4
Date Collected: 05/05/21 14:05
Matrix: Water
Date Received: 05/06/21 10:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			05/07/21 17:45	1
Toluene	ND		1.0	0.51	ug/L			05/07/21 17:45	1
Ethylbenzene	**2.7**		1.0	0.74	ug/L			05/07/21 17:45	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			05/07/21 17:45	1
o-Xylene	ND		1.0	0.76	ug/L			05/07/21 17:45	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/07/21 17:45	1
Total BTEX	**2.7**		2.0	1.0	ug/L			05/07/21 17:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*92*		*80 - 120*		*05/07/21 17:45*	*1*
1,2-Dichloroethane-d4 (Surr)	*119*		*77 - 120*		*05/07/21 17:45*	*1*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*05/07/21 17:45*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 123*		*05/07/21 17:45*	*1*

Client Sample ID: MW-201-050521
Lab Sample ID: 480-184246-5
Date Collected: 05/05/21 10:40
Matrix: Water
Date Received: 05/06/21 10:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			05/07/21 18:08	1
Toluene	ND		1.0	0.51	ug/L			05/07/21 18:08	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/07/21 18:08	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			05/07/21 18:08	1
o-Xylene	ND		1.0	0.76	ug/L			05/07/21 18:08	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/07/21 18:08	1
Total BTEX	ND		2.0	1.0	ug/L			05/07/21 18:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*80 - 120*		*05/07/21 18:08*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*77 - 120*		*05/07/21 18:08*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*05/07/21 18:08*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*05/07/21 18:08*	*1*

Client Sample ID: MW-203-050521
Lab Sample ID: 480-184246-6
Date Collected: 05/05/21 11:20
Matrix: Water
Date Received: 05/06/21 10:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			05/07/21 18:31	1
Toluene	ND		1.0	0.51	ug/L			05/07/21 18:31	1

Client Sample ID: MW-203-050521
Lab Sample ID: 480-184246-6

Date Collected: 05/05/21 11:20
Matrix: Water
Date Received: 05/06/21 10:30

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.74	ug/L			05/07/21 18:31	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			05/07/21 18:31	1
o-Xylene	ND		1.0	0.76	ug/L			05/07/21 18:31	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/07/21 18:31	1
Total BTEX	ND		2.0	1.0	ug/L			05/07/21 18:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*80 - 120*		*05/07/21 18:31*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*05/07/21 18:31*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*05/07/21 18:31*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 123*		*05/07/21 18:31*	*1*

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-184246-7

Date Collected: 05/05/21 00:00
Matrix: Water
Date Received: 05/06/21 10:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			05/07/21 18:54	1
Toluene	ND		1.0	0.51	ug/L			05/07/21 18:54	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/07/21 18:54	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			05/07/21 18:54	1
o-Xylene	ND		1.0	0.76	ug/L			05/07/21 18:54	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/07/21 18:54	1
Total BTEX	ND		2.0	1.0	ug/L			05/07/21 18:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*94*		*80 - 120*		*05/07/21 18:54*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*		*05/07/21 18:54*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*05/07/21 18:54*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 123*		*05/07/21 18:54*	*1*

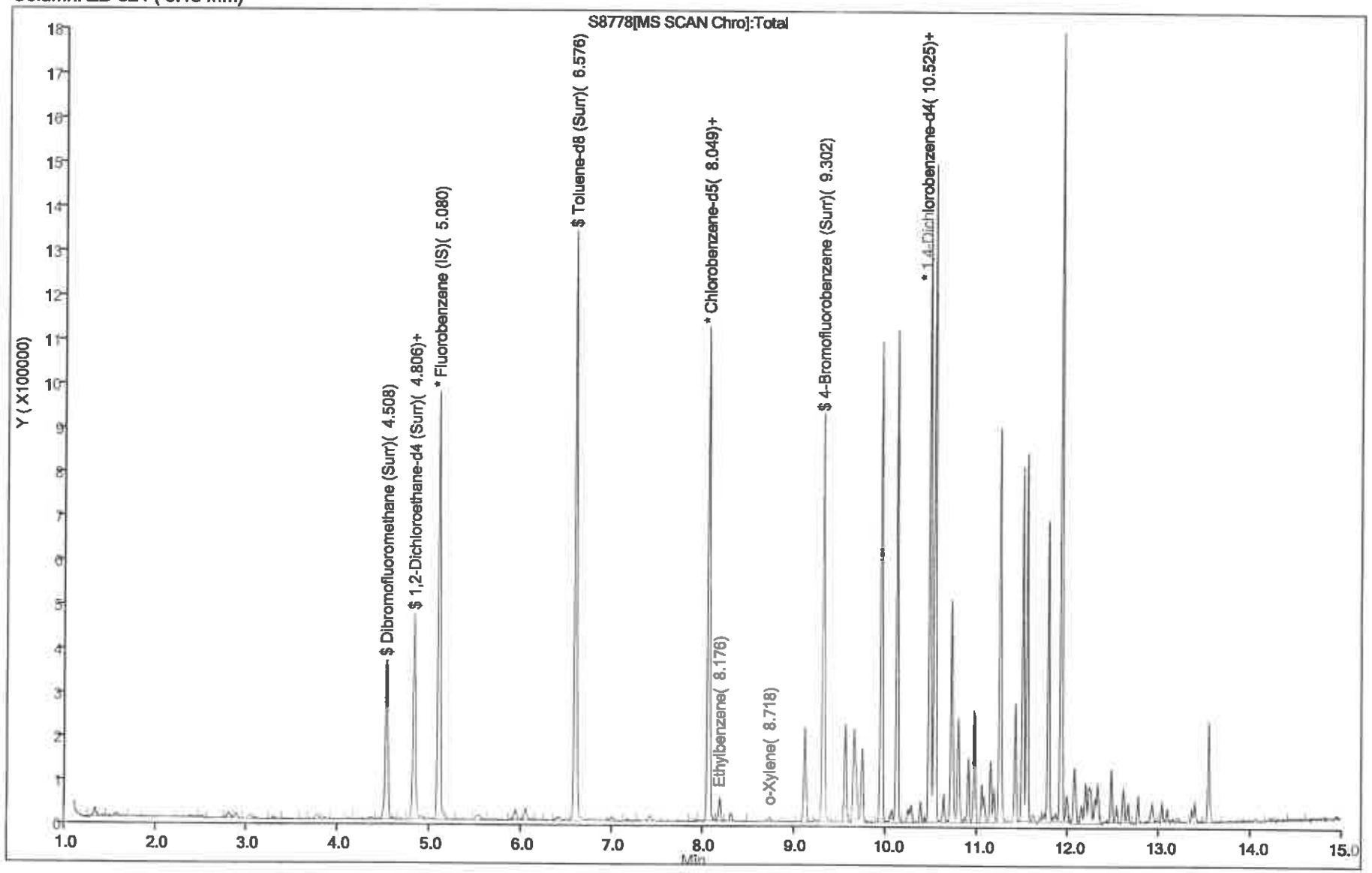
Report Date: 07-May-2021 17:53:47 Chrom Revision: 2.3 08-Apr-2021 17:17:48

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210507-98408.b\S8778.D

Injection Date:	07-May-2021 16:37:30	Instrument ID:	HP5973S	Operator ID:	WD
Lims ID:	480-184246-B-1	Lab Sample ID:	480-184246-1	Worklist Smp#:	17
Client ID:	MW-1-050521				
Purge Vol:	5.000 mL	Dil. Factor:	2.0000	ALS Bottle#:	21
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



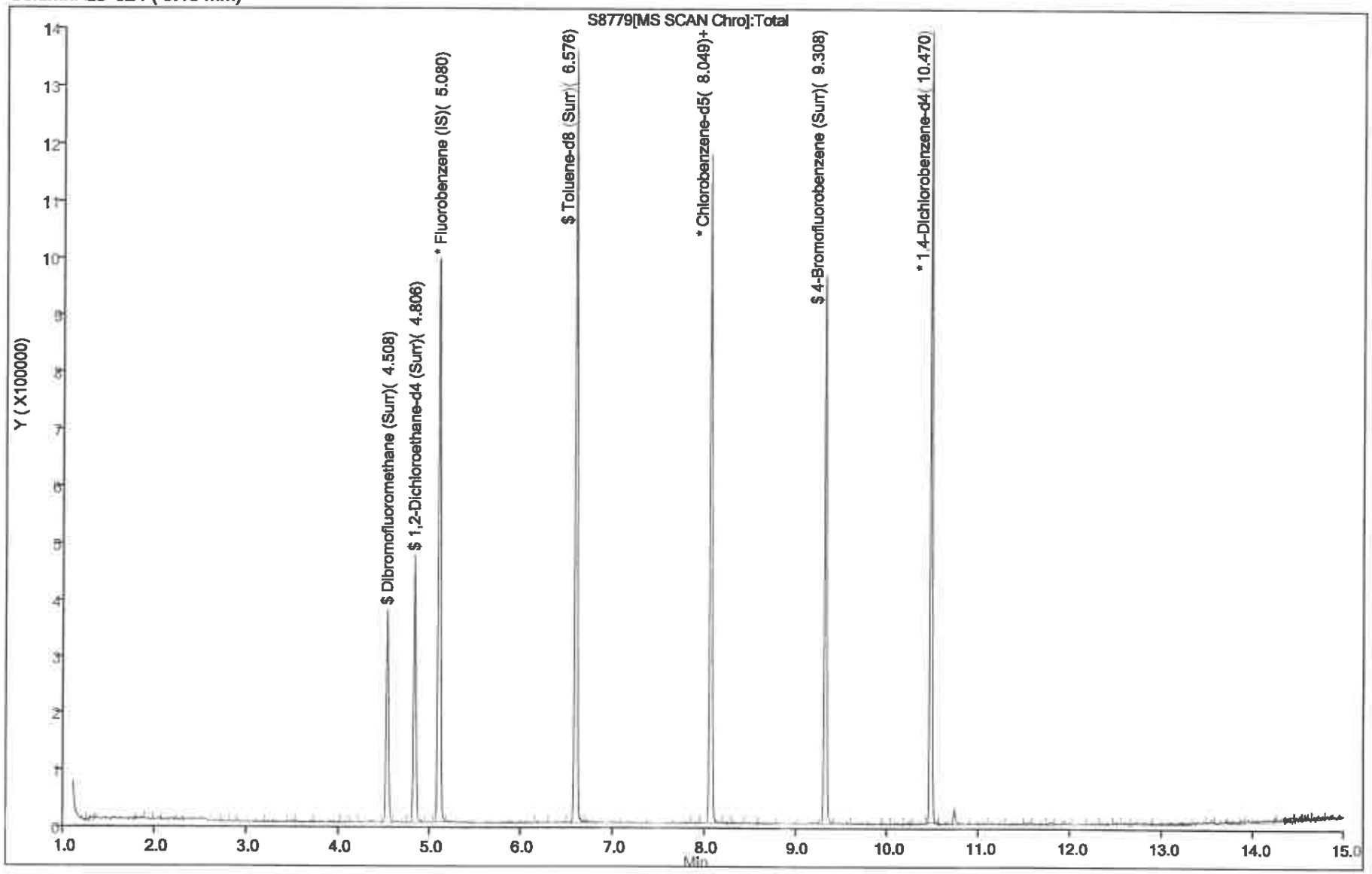
5/10/2021

Report Date: 07-May-2021 17:53:53 Chrom Revision: 2.3 08-Apr-2021 17:17:48

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20210507-98408.b\S8779.D				
Injection Date:	07-May-2021 16:59:30	Instrument ID:	HP5973S	Operator ID:	WD
Lims ID:	480-184246-B-2	Lab Sample ID:	480-184246-2	Worklist Smp#:	18
Client ID:	MW-110-050521				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	22
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)

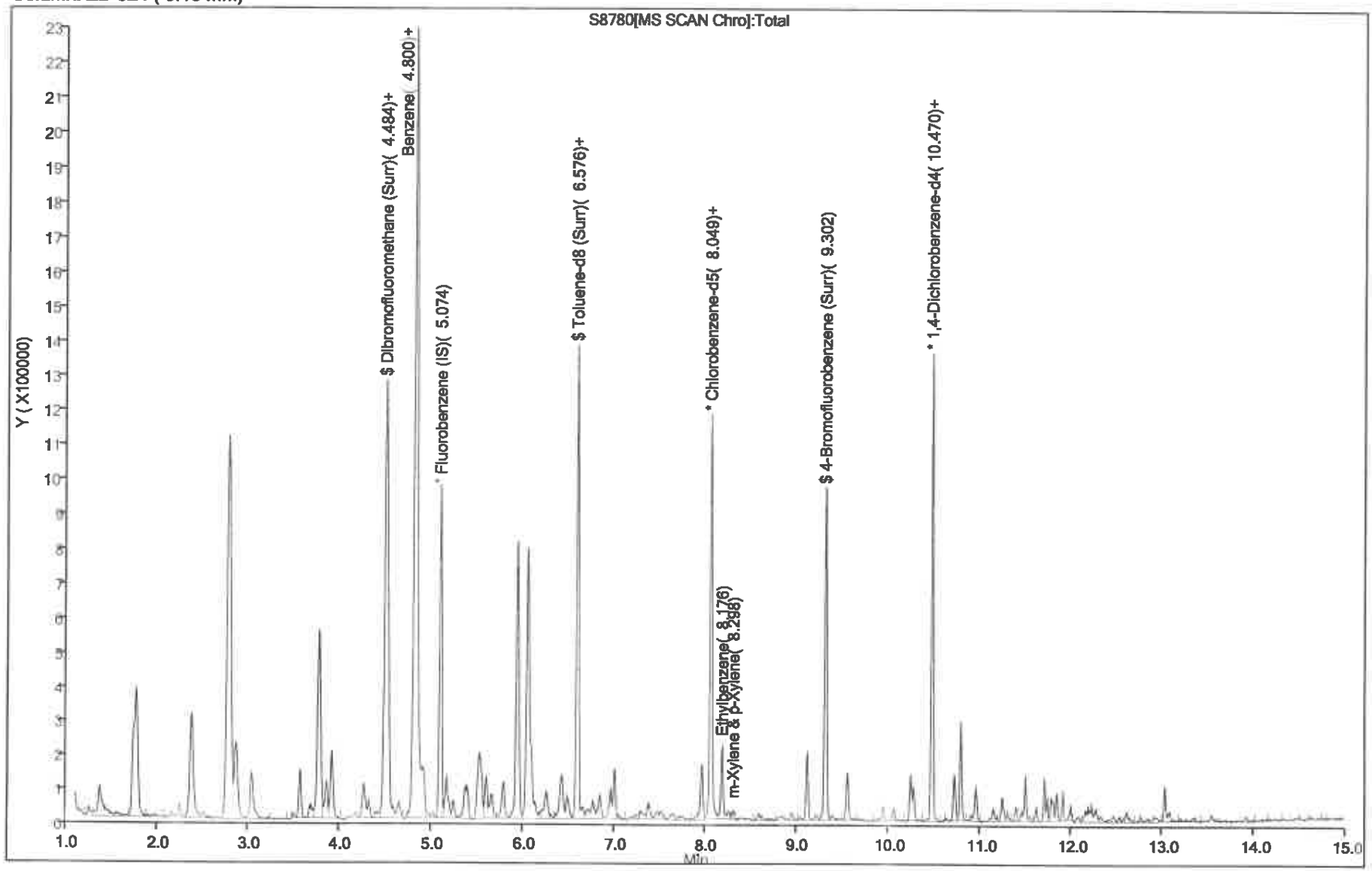


Report Date: 08-May-2021 09:25:52 Chrom Revision: 2.3 08-Apr-2021 17:17:48

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20210507-98408.b\S8780.D				
Injection Date:	07-May-2021 17:22:30	Instrument ID:	HP5973S	Operator ID:	WD
Lims ID:	480-184246-B-3	Lab Sample ID:	480-184246-3	Worklist Smp#:	19
Client ID:	MW-12-050521				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	23
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)

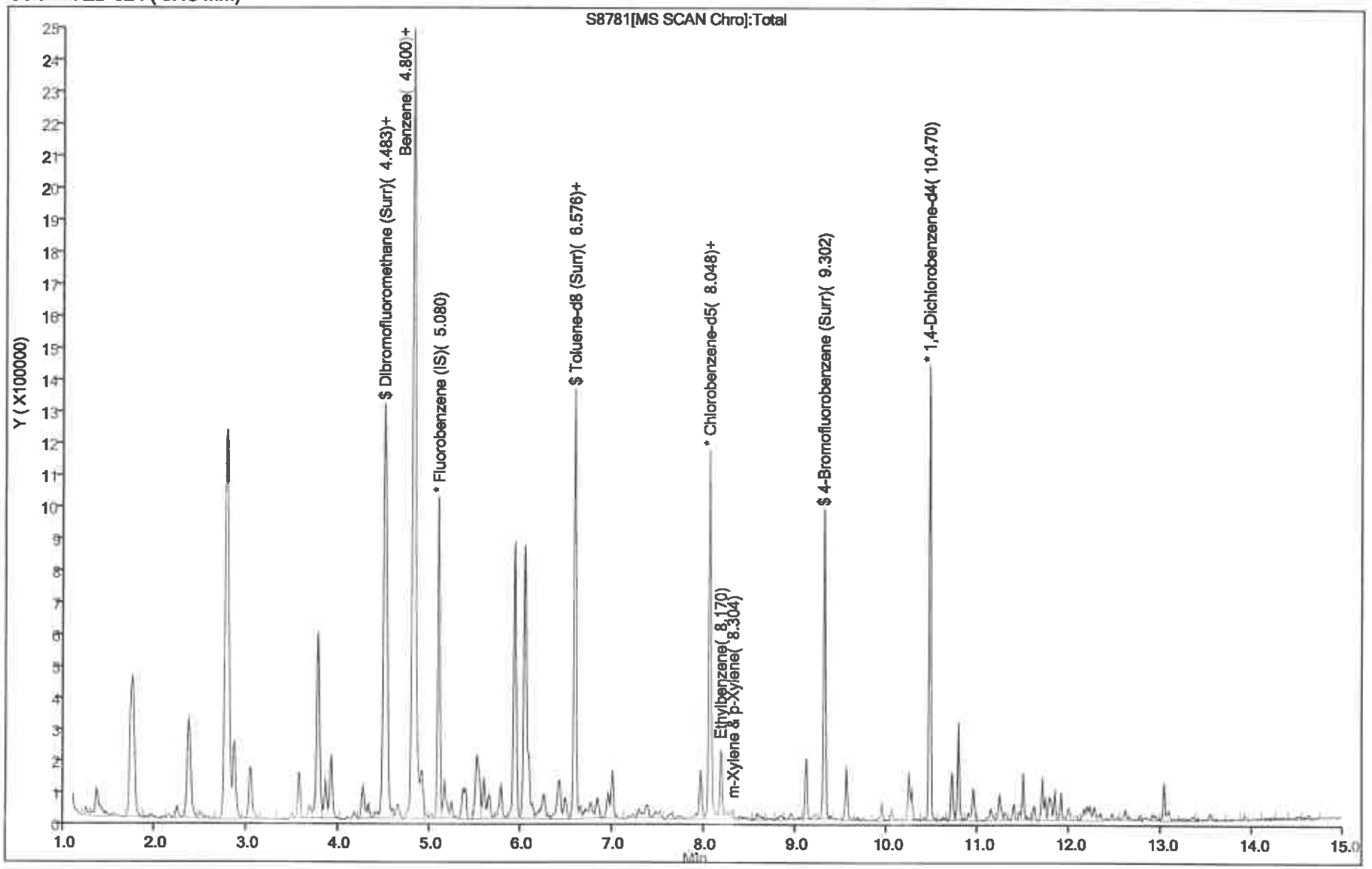


Report Date: 08-May-2021 09:27:44 Chrom Revision: 2.3 08-Apr-2021 17:17:48

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20210507-98408.b\S8781.D				
Injection Date:	07-May-2021 17:45:30	Instrument ID:	HP5973S	Operator ID:	WD
Lims ID:	480-184246-B-4	Lab Sample ID:	480-184246-4	Worklist Smp#:	20
Client ID:	MW-1212-050521				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	24
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



5/10/2021

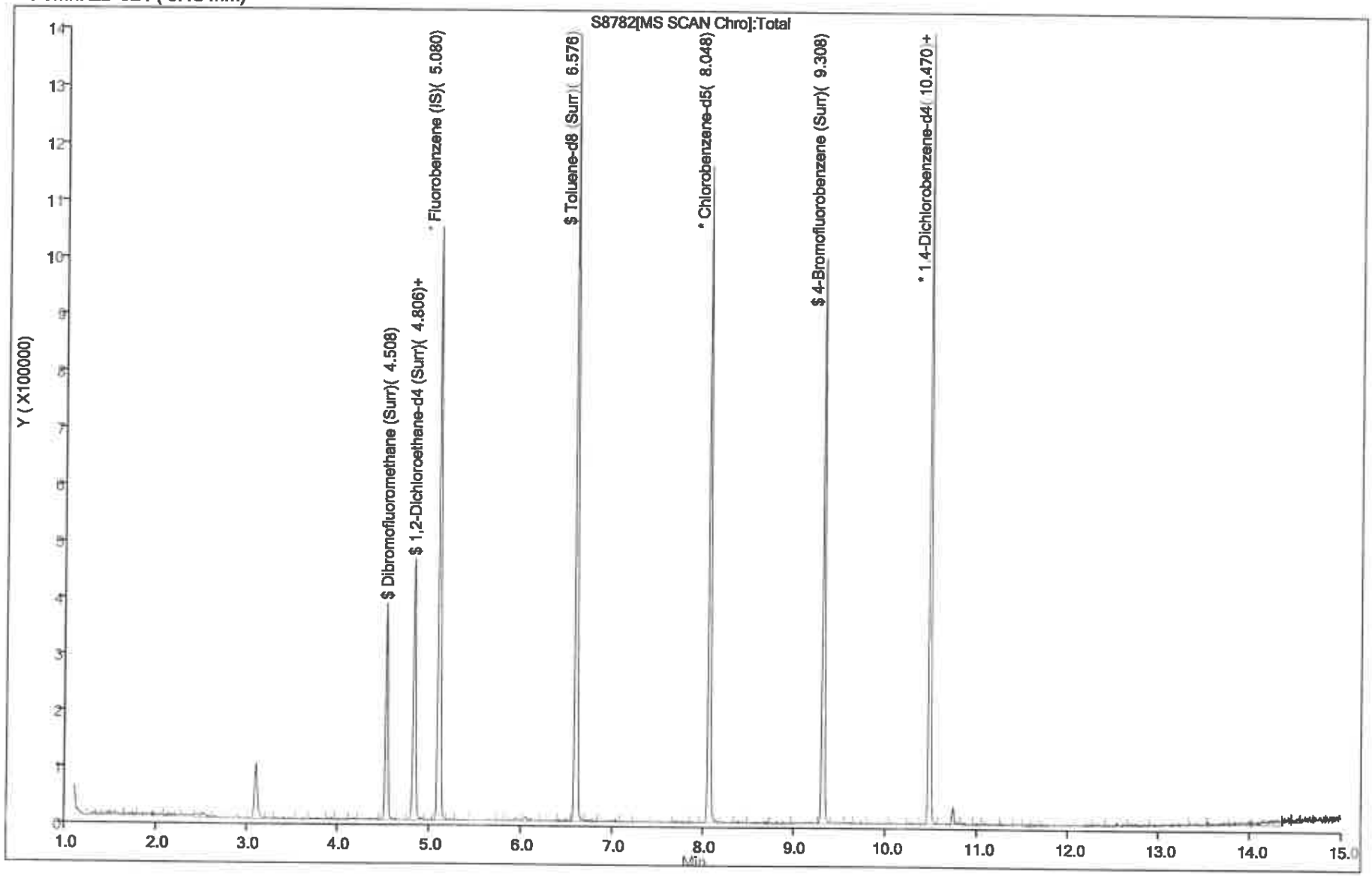
Report Date: 08-May-2021 09:36:41 Chrom Revision: 2.3 08-Apr-2021 17:17:48

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210507-98408.b\S8782.D

Injection Date:	07-May-2021 18:08:30	Instrument ID:	HP5973S	Operator ID:	WD
Lims ID:	480-184246-B-5	Lab Sample ID:	480-184246-5	Worklist Smp#:	21
Client ID:	MW-201-050521				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	25
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



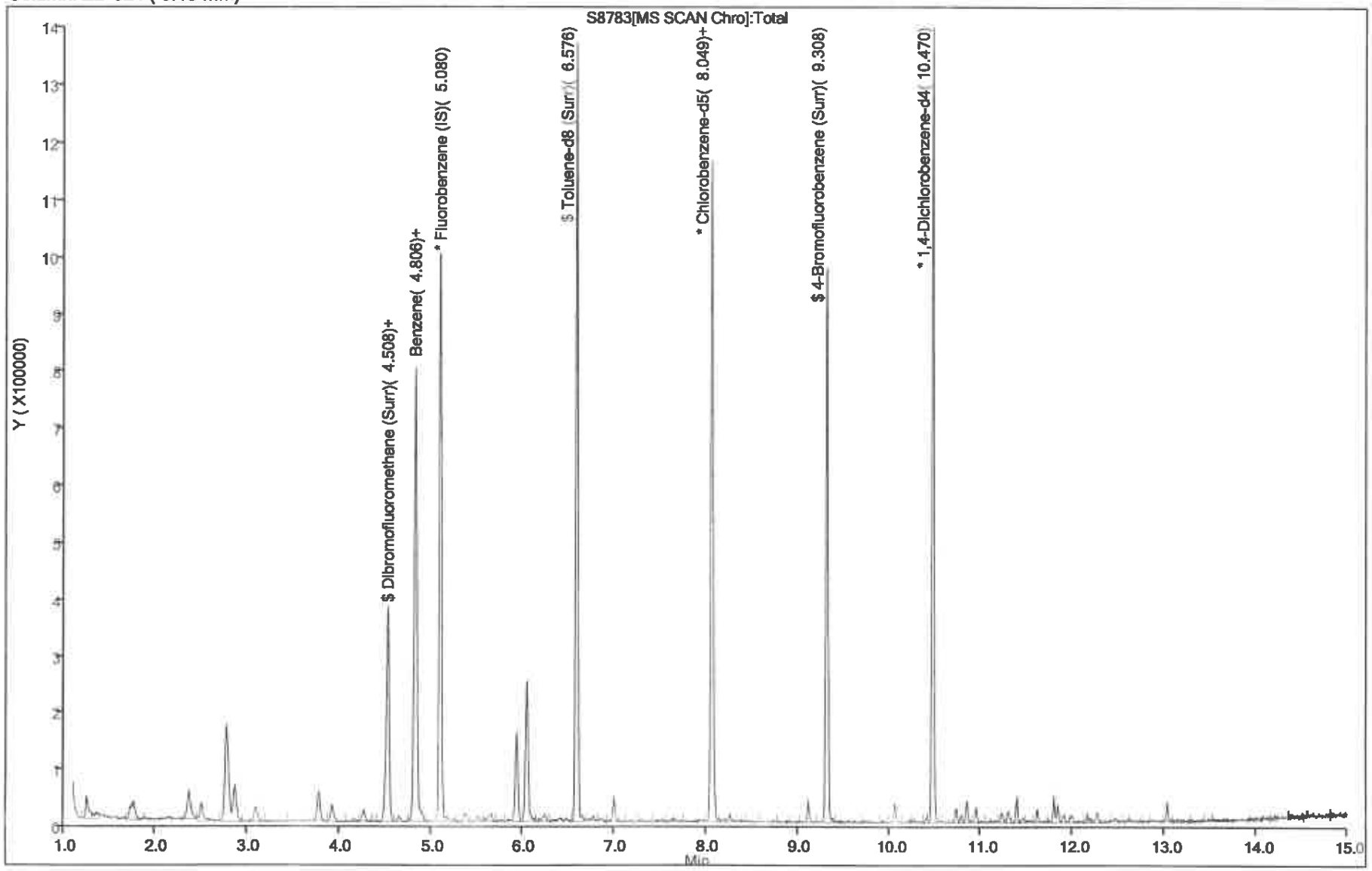
Report Date: 07-May-2021 20:56:51 Chrom Revision: 2.3 08-Apr-2021 17:17:48

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210507-98408.b\S8783.D

Injection Date:	07-May-2021 18:31:30	Instrument ID:	HP5973S	Operator ID:	WD
Lims ID:	480-184246-B-6	Lab Sample ID:	480-184246-6	Worklist Smp#:	22
Client ID:	MW-203-050521				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	26
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



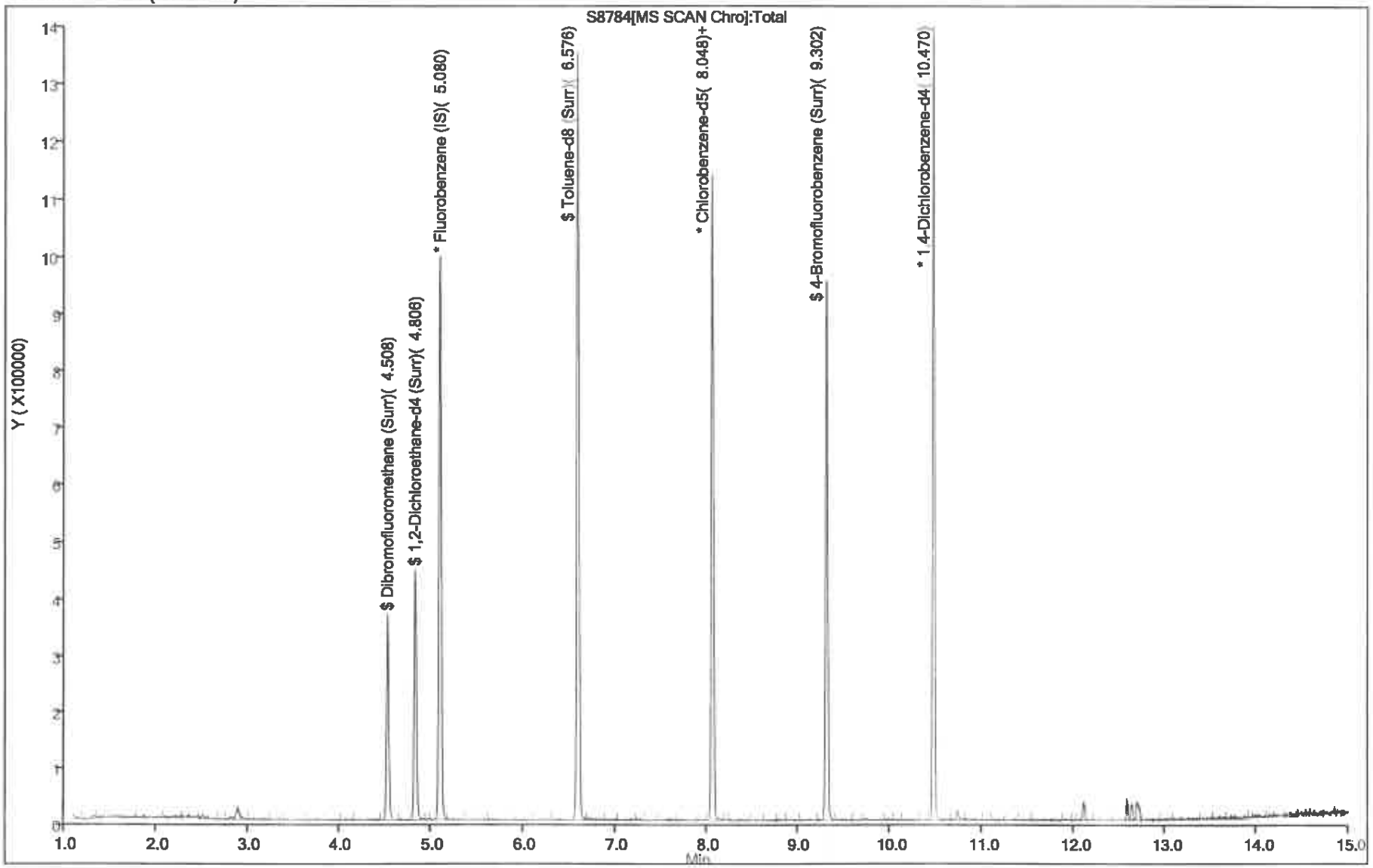
Report Date: 07-May-2021 20:56:57 Chrom Revision: 2.3 08-Apr-2021 17:17:48

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210507-98408.b\S8784.D

Injection Date:	07-May-2021 18:54:30	Instrument ID:	HP5973S	Operator ID:	WD
Lims ID:	480-184246-B-7	Lab Sample ID:	480-184246-7	Worklist Smp#:	23
Client ID:	TRIP BLANK				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	27
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Report Date: 07-May-2021 12:10:12 Chrom Revision: 2.3 08-Apr-2021 17:17:48

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210507-98408.b\S8764.D

Injection Date: 07-May-2021 11:12:30 Instrument ID: HP5973S Operator ID: WD

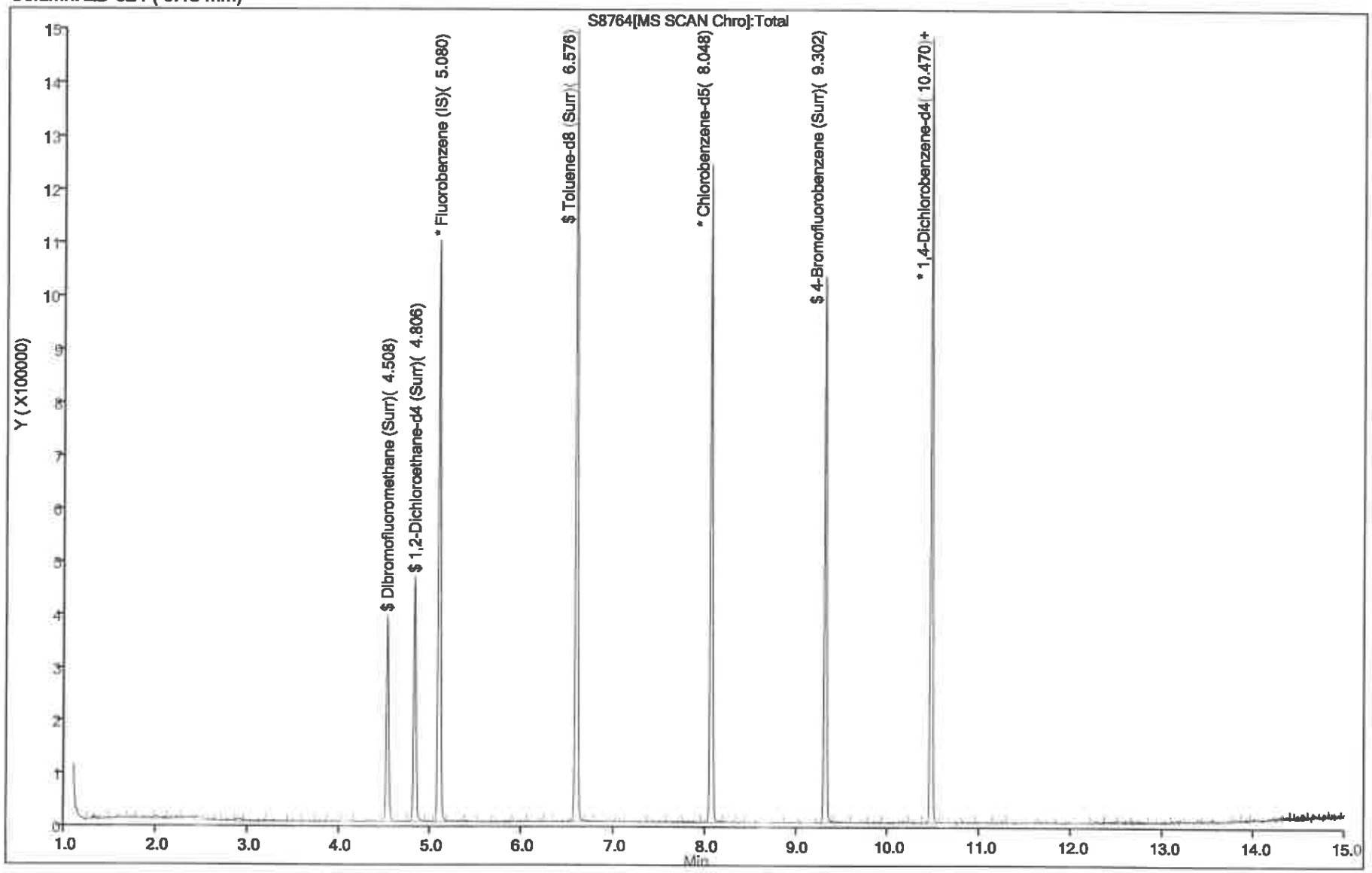
Lims ID: MB Worklist Smp#: 7

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 7

Method: S-8260 Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



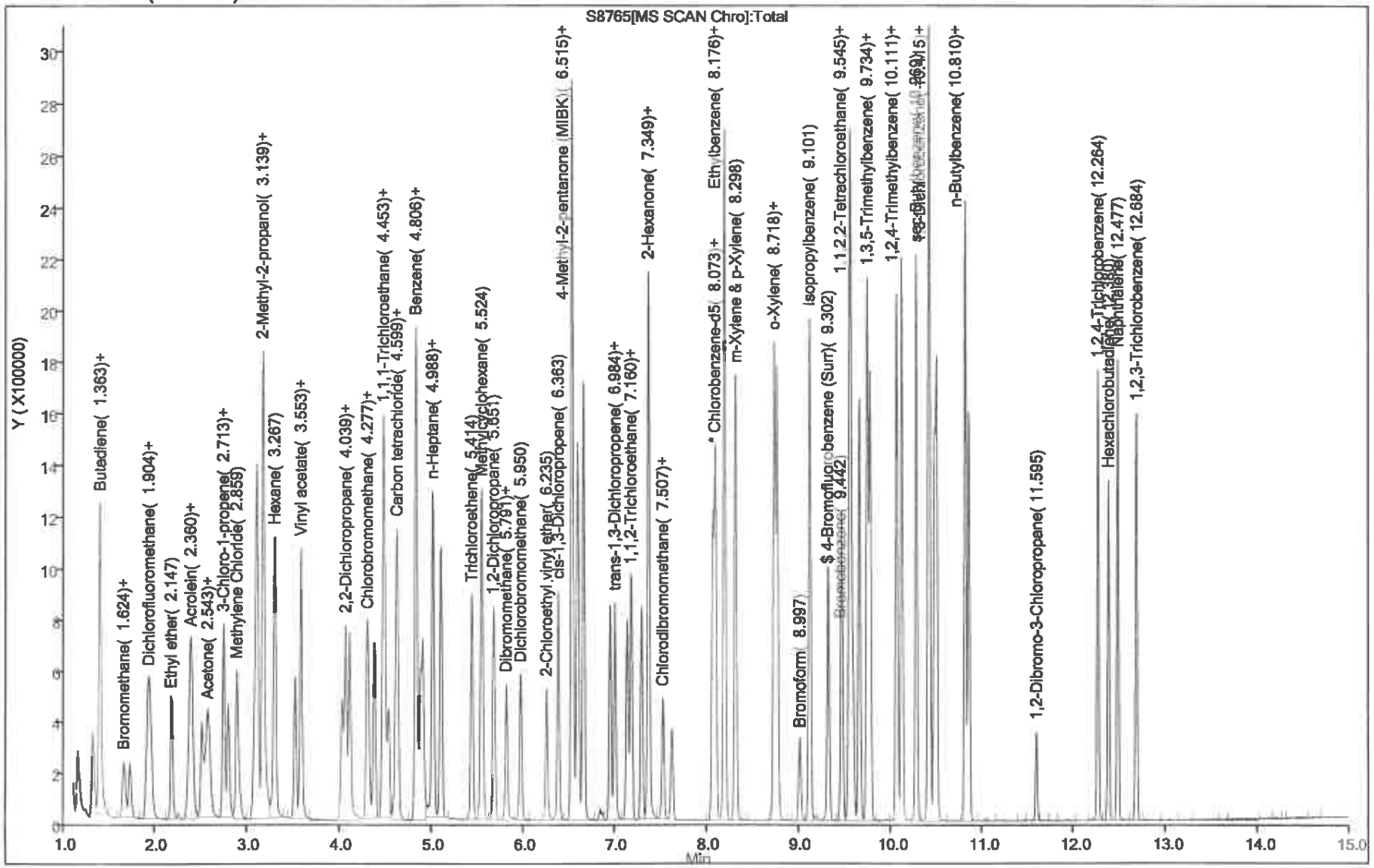
Report Date: 07-May-2021 12:08:00 Chrom Revision: 2.3 08-Apr-2021 17:17:48

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210507-98408.b\S8765.D

Injection Date:	07-May-2021 11:35:30	Instrument ID:	HP5973S	Operator ID:	WD
Lims ID:	LCS			Worklist Smp#:	24
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)

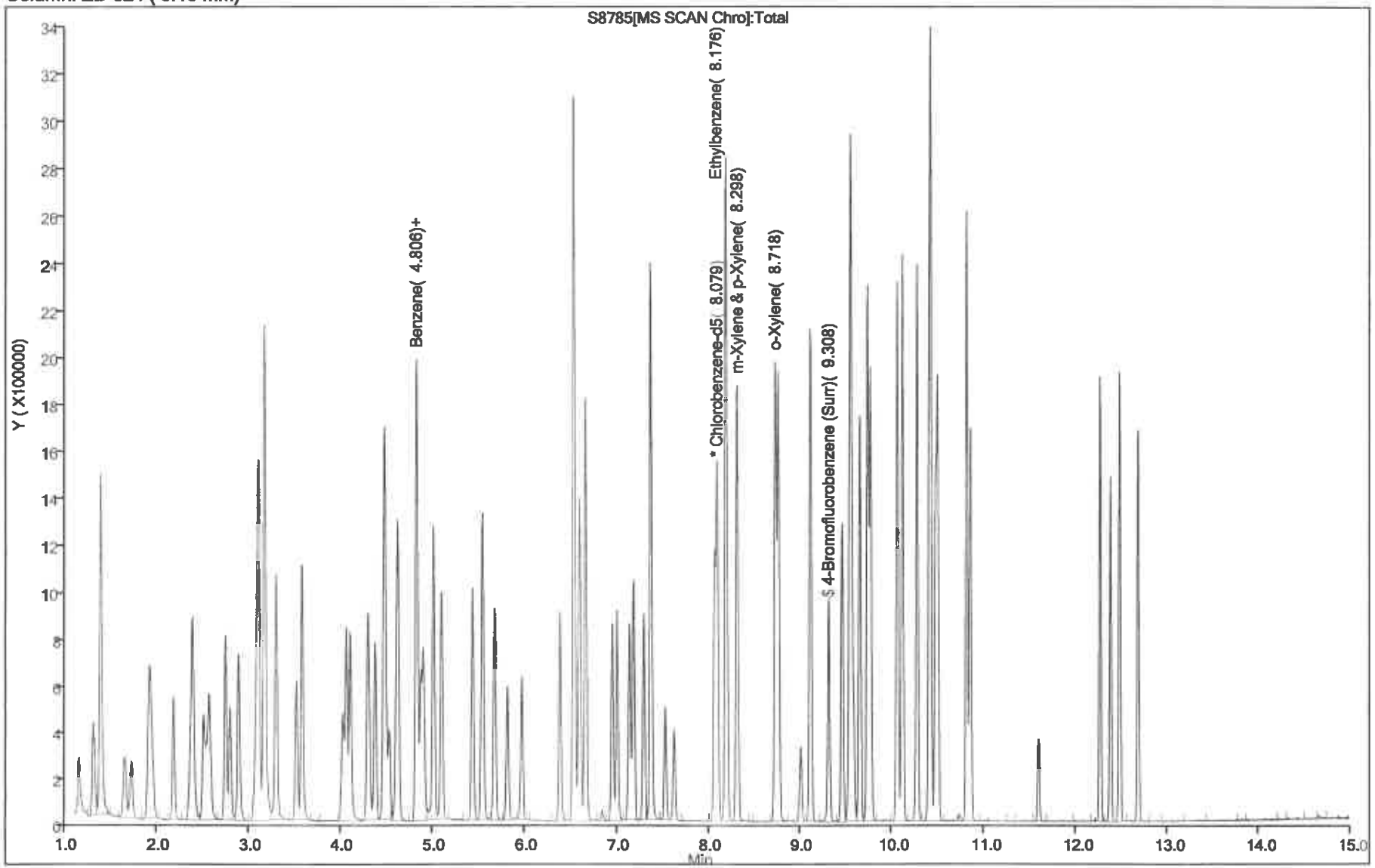


Report Date: 08-May-2021 09:37:22 Chrom Revision: 2.3 08-Apr-2021 17:17:48

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20210507-98408.b\S8785.D				
Injection Date:	07-May-2021 19:17:30	Instrument ID:	HP5973S	Operator ID:	WD
Lims ID:	480-184246-B-5 MS			Worklist Smp#:	26
Client ID:	MW-201-050521				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	28
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)

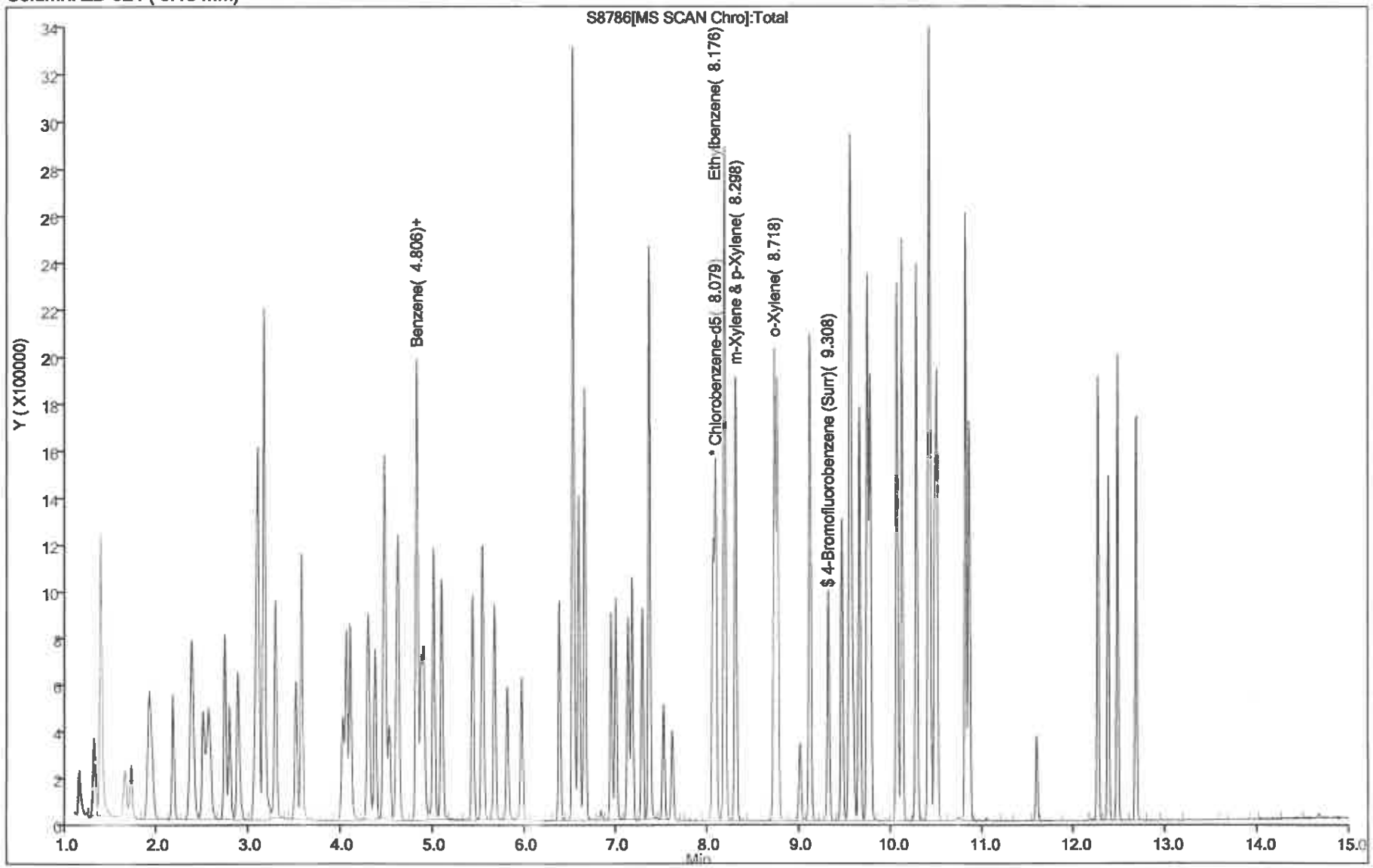


Report Date: 08-May-2021 09:37:40 Chrom Revision: 2.3 08-Apr-2021 17:17:48

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20210507-98408.b\S8786.D				
Injection Date:	07-May-2021 19:40:30	Instrument ID:	HP5973S	Operator ID:	WD
Lims ID:	480-184246-B-5 MSD			Worklist Smp#:	27
Client ID:	MW-201-050521				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	29
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Surrogate Summary

Client: EKI Environment & Water Inc
Job ID: 480-184246-1
Project/Site: AVIS Rent A Car - Poughkeepsie, NY

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		TOL	DCA	BFB	DBFM
Lab Sample ID	Client Sample ID	(80-120)	(77-120)	(73-120)	(75-123)
480-184246-1	MW-1-050521	95	99	96	102
480-184246-2	MW-110-050521	94	98	94	99
480-184246-3	MW-12-050521	91	117	92	101
480-184246-4	MW-1212-050521	92	119	94	97
480-184246-5	MW-201-050521	96	94	95	98
480-184246-5 MS	MW-201-050521	98	97	95	100
480-184246-5 MSD	MW-201-050521	99	97	100	98
480-184246-6	MW-203-050521	98	100	97	97
480-184246-7	TRIP BLANK	94	97	98	97
LCS 480-579805/24	Lab Control Sample	99	96	95	96
MB 480-579805/7	Method Blank	92	98	95	100

Surrogate Legend

TOL = Toluene-d8 (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-579805/7
Matrix: Water
Analysis Batch: 579805

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			05/07/21 11:12	1
Toluene	ND		1.0	0.51	ug/L			05/07/21 11:12	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/07/21 11:12	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			05/07/21 11:12	1
o-Xylene	ND		1.0	0.76	ug/L			05/07/21 11:12	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/07/21 11:12	1
Total BTEX	ND		2.0	1.0	ug/L			05/07/21 11:12	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*92*		*80 - 120*		*05/07/21 11:12*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*05/07/21 11:12*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*05/07/21 11:12*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*05/07/21 11:12*	*1*

Lab Sample ID: LCS 480-579805/24
Matrix: Water
Analysis Batch: 579805

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	25.0	24.0		ug/L		96	71 - 124
Toluene	25.0	23.9		ug/L		95	80 - 122
Ethylbenzene	25.0	23.9		ug/L		96	77 - 123
m-Xylene & p-Xylene	25.0	23.8		ug/L		95	76 - 122
o-Xylene	25.0	23.4		ug/L		94	76 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*99*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*96*		*77 - 120*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*
Dibromofluoromethane (Surr)	*96*		*75 - 123*

Lab Sample ID: 480-184246-5 MS
Matrix: Water
Analysis Batch: 579805

Client Sample ID: MW-201-050521
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	ND		25.0	28.0		ug/L		112	71 - 124
Toluene	ND		25.0	26.6		ug/L		106	80 - 122
Ethylbenzene	ND		25.0	26.3		ug/L		105	77 - 123
m-Xylene & p-Xylene	ND		25.0	26.7		ug/L		107	76 - 122
o-Xylene	ND		25.0	26.1		ug/L		105	76 - 122

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*98*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*
Dibromofluoromethane (Surr)	*100*		*75 - 123*

Client: EKI Environment & Water Inc
Job ID: 480-184246-1
Project/Site: AVIS Rent A Car - Poughkeepsie, NY

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-184246-5 MSD
Client Sample ID: MW-201-050521
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 579805

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	ND		25.0	26.6		ug/L		106	71 - 124	5	13
Toluene	ND		25.0	26.4		ug/L		106	80 - 122	0	15
Ethylbenzene	ND		25.0	26.8		ug/L		107	77 - 123	2	15
m-Xylene & p-Xylene	ND		25.0	26.7		ug/L		107	76 - 122	0	16
o-Xylene	ND		25.0	26.2		ug/L		105	76 - 122	0	16

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*99*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*
Dibromofluoromethane (Surr)	*98*		*75 - 123*

QC Association Summary

Client: EKI Environment & Water Inc
Job ID: 480-184246-1
Project/Site: AVIS Rent A Car - Poughkeepsie, NY

GC/MS VOA

Analysis Batch: 579805

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-184246-1	MW-1-050521	Total/NA	Water	8260C	
480-184246-2	MW-110-050521	Total/NA	Water	8260C	
480-184246-3	MW-12-050521	Total/NA	Water	8260C	
480-184246-4	MW-1212-050521	Total/NA	Water	8260C	
480-184246-5	MW-201-050521	Total/NA	Water	8260C	
480-184246-6	MW-203-050521	Total/NA	Water	8260C	
480-184246-7	TRIP BLANK	Total/NA	Water	8260C	
MB 480-579805/7	Method Blank	Total/NA	Water	8260C	
LCS 480-579805/24	Lab Control Sample	Total/NA	Water	8260C	
480-184246-5 MS	MW-201-050521	Total/NA	Water	8260C	
480-184246-5 MSD	MW-201-050521	Total/NA	Water	8260C	

Lab Chronicle

Client: EKI Environment & Water Inc
Job ID: 480-184246-1
Project/Site: AVIS Rent A Car - Poughkeepsie, NY

Client Sample ID: MW-1-050521
Lab Sample ID: 480-184246-1
Date Collected: 05/05/21 12:00
Matrix: Water
Date Received: 05/06/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	579805	05/07/21 16:37	CRL	TAL BUF

Client Sample ID: MW-110-050521
Lab Sample ID: 480-184246-2
Date Collected: 05/05/21 14:30
Matrix: Water
Date Received: 05/06/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	579805	05/07/21 16:59	CRL	TAL BUF

Client Sample ID: MW-12-050521
Lab Sample ID: 480-184246-3
Date Collected: 05/05/21 14:05
Matrix: Water
Date Received: 05/06/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	579805	05/07/21 17:22	CRL	TAL BUF

Client Sample ID: MW-1212-050521
Lab Sample ID: 480-184246-4
Date Collected: 05/05/21 14:05
Matrix: Water
Date Received: 05/06/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	579805	05/07/21 17:45	CRL	TAL BUF

Client Sample ID: MW-201-050521
Lab Sample ID: 480-184246-5
Date Collected: 05/05/21 10:40
Matrix: Water
Date Received: 05/06/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	579805	05/07/21 18:08	CRL	TAL BUF

Client Sample ID: MW-203-050521
Lab Sample ID: 480-184246-6
Date Collected: 05/05/21 11:20
Matrix: Water
Date Received: 05/06/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	579805	05/07/21 18:31	CRL	TAL BUF

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-184246-7
Date Collected: 05/05/21 00:00
Matrix: Water
Date Received: 05/06/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	579805	05/07/21 18:54	CRL	TAL BUF

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: EKI Environment & Water Inc
Job ID: 480-184246-1
Project/Site: AVIS Rent A Car - Poughkeepsie, NY

Laboratory: Eurofins TestAmerica, Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-01-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8260C		Water	Total BTEX

Method Summary

Client: EKI Environment & Water Inc
Job ID: 480-184246-1
Project/Site: AVIS Rent A Car - Poughkeepsie, NY

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: EKI Environment & Water Inc
Job ID: 480-184246-1
Project/Site: AVIS Rent A Car - Poughkeepsie, NY

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-184246-1	MW-1-050521	Water	05/05/21 12:00	05/06/21 10:30	
480-184246-2	MW-110-050521	Water	05/05/21 14:30	05/06/21 10:30	
480-184246-3	MW-12-050521	Water	05/05/21 14:05	05/06/21 10:30	
480-184246-4	MW-1212-050521	Water	05/05/21 14:05	05/06/21 10:30	
480-184246-5	MW-201-050521	Water	05/05/21 10:40	05/06/21 10:30	
480-184246-6	MW-203-050521	Water	05/05/21 11:20	05/06/21 10:30	
480-184246-7	TRIP BLANK	Water	05/05/21 00:00	05/06/21 10:30	

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Robert Plybon	Lab PM: Fischer, Brian J	Carrier Tracking No(s):	COC No: 480-159959-27720.1
Client Contact: ~~Mr. David Averill~~ Mr. Robert Plybon	Phone: 650 292 9070	E-Mail: Brian.Fischer@Eurofinset.com	State of Origin:	Page: Page 1 of 1
Company: EKI Environment & Water Inc	PWSID:	Analysis Requested		Job #: B700666.00

Address: ~~577 Airport Blvd Suite 500~~ 18 Division ST STUDIO 304
City: ~~Burlingame~~ Saratoga Springs
State, Zip: ~~CA, 94010~~ NY 12866
Phone: ~~603-378-2793(Tel)~~ 650 292 9070
Email: ~~daverill@ekiconsult.com~~ bplybon@ekiconsult.com
Project Name: AVIS Rent A Car - Poughkeepsie, NY
Site:

Due Date Requested:
TAT Requested (days): STANDARD (2 WK)
Compliance Project: Δ Yes Δ No
PO #: Purchase Order not required
WO #:
Project #: 48016390
SSOW#:

Preservation Codes:
- HCL, NaOH, Zn Acetate, Nitric Acid, NaHSO4, OH, Chlor, Ascorbic Acid, Water, K - EDTA, L - EDA
M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
Other:

480-184246 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - BTEX - 8260	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
MW-1-050521	5/5/21	12:00	G	Water	N		X	3	
MW-110-050521		2:30		Water			X	3	
MW-12-050521		2:05		Water			X	3	
MW-1212-050521		2:05		Water			X	3	
MW-201-050521		10:40		Water		Y	X	3	
MW-203-050521		11:20		Water			X	3	
TRIP BLANK				Water			X	2	
				Water					
				Water					
				Water					

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify) EDD for NYSDEC

Special Instructions/QC Requirements:

Empty Kit Relinquished by: | Date: | Time: | Method of Shipment:

	Date/Time	Company		Date/Time	Company
Relinquished by:	5/5/21 3:53	EKI	Received by: UPS	5/5/21 3:53	
Relinquished by:			Received by: [illegible]	5/5/21 1030	TA
Relinquished by:			Received by:		

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 3.8 #1 ICE

Ver: 11/01/2020

Login Sample Receipt Checklist

Client: EKI Environment & Water Inc

Job Number: 480-184246-1

Login Number: 184246
List Number: 1
Creator: Sabuda, Brendan D

List Source: Eurofins TestAmerica, Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.8 #1 ice
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	True	