

Periodic Review Report 01 July 2015 to 30 June 2018

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

28 IBM Road Poughkeepsie, NY

Prepared for:

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

August 2018 EKI B70066.00

EKI ENVIRONMENT & WATER, INC.



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August 10, 2018

Amen M. Omorogbe, Project Manager NYS Department of Environmental Conservation Division of Environmental Remediation, BURC 625 Broadway, 11th Floor Albany, NY 12233-7014

Subject: Periodic Review Report, July 1, 2015, to June 30, 2018 Former Drive & Park, Inc. Site Brownfield Cleanup Program #C314111 28 IBM Road, Poughkeepsie, New York

Dear Amen Omorogbe:

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

Please contact me at (603) 378-2793 if you have any questions regarding this report.

Very truly yours,

EKI ENVIRONMENT & WATER, INC.

J. A. and

David Averill Senior Scientist

Enclosure

cc: Rose Pelino, P.E., Avis Rent A Car System, Inc.

Formerly known as Erler & Kalinowski, Inc.



EKI ENVIRONMENT & WATER, INC.

PERIODIC REVIEW REPORT FORMER DRIVE & PARK, INC SITE

28 IBM Road Poughkeepsie, New York

Submitted to Avis Rent A Car System, Inc. Parsippany, New Jersey August 2018

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PERIODIC REVIEW REPORT FORMER DRIVE & PARK, INC SITE 28 IBM Road

Poughkeepsie, New York

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ACRONYMS AND ABBREVIATIONS

bgs	below ground surface
BTEX	benzene, toluene, ethylbenzene, xylenes
EKI	EKI Environment & Water, Inc. (Formerly Erler & Kalinowski, Inc.)
ft	feet
MSL	mean sea level
MTBE	methyl tertiary-butyl ether
NYSDEC	New York State Department of Environmental Conservation
PRR	Periodic Review Report
Site	28 IBM Road, Poughkeepsie, New York
SMP	Site Management Plan
ug/L	micrograms per liter
U.S. EPA	United States Environmental Protection Agency
UST	underground storage tank
VOC	volatile organic compound



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 01 July 2015 to 30 June 2018. Two previous periodic review reports have been submitted for the site, covering the 18-month period ending 30 June 2012 (Integral, 2012) and the 36-month period ending 30 June 2015 (Integral, 2015).

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 twice during the reporting period, on 19 May 2016, and on 06 July 2017. 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 and residential 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 building, a two-story office building with several attached garage bays. The building is currently used by Avis Rent A Car System, Inc. (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). Soil and groundwater investigations in the area of the former Gulf service station have not indicated soil and/or groundwater contamination resulting from the former Gulf service station.

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, when the tanks were removed 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 5,000gallon 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 was used as a car rental facility by Drive & Park, Inc. Avis purchased the property in 1991, 5 years after the leaking UST system was removed. The two USTs installed in 1987 were removed by Avis in 1998 (see below).

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 NYSDEC, 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. NYSDEC subsequently reopened the case, as discussed below.

In March 2003, Avis collected groundwater samples from eight existing monitoring wells on the site and from three monitoring wells on the adjacent property. 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 <u>Remedial Actions</u>

The site was remediated in accordance with the NYSDEC-approved *Interim Remedial Action Work Plan* dated November 2005 (Geomatrix, 2015). 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;



- 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 *Site Management Plan* (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 <u>Remedial Goals and Institutional and Engineering Controls</u>

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 the groundwater underlying the property is prohibited without treatment rendering it safe for the intended use.



- The property may not be used for a higher level of use such as unrestricted use or restricted residential use without additional investigation, and possibly remediation, and amendment of the environmental easement, as approved by NYSDEC.
- 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 use, 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 twice 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 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 01 July 2015 to 30 June 2018. 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 review period. The site was inspected by a qualified environmental professional on 19 May 2016 and 6 July 2017. 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 in May 2016 and July 2017 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 in May 2016 and July 2017 and consisted of measuring depth-to-water in existing onsite and offsite monitoring wells 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 third 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 <u>Site Cover System</u>

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 19 May 2016 and 6 July 2017. 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 <u>Monitored Natural Attenuation</u>

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 in May 2016 and July 2017 and were found to be functional. During the May 2016 inspection, a bolt on the roadway box for monitoring well MW-203 was observed to be bent (apparently from a snowplow), making it more likely that the roadway box would be damaged by future plowing. The bolt was switched with a bolt from the roadway box at MW-201, which is in an area that will not be plowed as frequently as MW-203. The monitoring wells were otherwise 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 monitoring, the wells monitored, and 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 in May 2016 and July 2017. 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 06 July 2017 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 19 May 2016 and 06 July 2017.

Before samples were collected, depth-to-water was measured using an electronic water level meter. Each well was then purged using a peristaltic pump and new polyethylene tubing, with new Teflon-lined Tygon tubing used for the pump at each well. 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 Appendices C and D.

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



5.1.3 <u>Groundwater Analytical Results</u>

Benzene, toluene, ethylbenzene, and/or xylenes were detected in samples collected from three of the five monitoring wells sampled (MW-1, MW-12, and MW-203). 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 wells MW-12 (both sampling events) and MW-203 (2017 sampling event only) during the reporting period. Benzene was not detected at or above the laboratory reporting limit in the groundwater samples from MW-1, MW-110, or MW-201 during the reporting period.

Toluene was not detected at or above laboratory reporting limit in any of the wells sampled during the reporting period.

Ethylbenzene was detected in the samples collected from wells MW-1 and MW-12 in both 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 both 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.

The concentrations of benzene detected in well MW-12 exceeded the NYSDEC groundwater quality standard in both sampling events. The concentration of benzene detected in well MW-203 exceeded the NYSDEC groundwater quality standard in the 2017 sampling event only (benzene was not detected in well MW-203 at or above the laboratory reporting limit in the 2016 sampling event).

The concentrations of ethylbenzene detected in well MW-1 exceeded the NYSDEC groundwater quality standard in both sampling events. The concentrations of ethylbenzene detected in well MW-12 were below the NYSDEC groundwater quality standard in both sampling events.

The concentrations of total xylenes detected in well MW-1 exceeded the NYSDEC groundwater quality standard in both sampling events. The concentrations of total xylenes detected in well MW-12 were below the NYSDEC groundwater quality standard in both sampling events.

Wells MW-1, MW-12, and MW-203 have exhibited similar concentrations in recent previous post-excavation sampling events and exhibit an overall declining trend since completion of the remedial actions.

5.2 Cover System Monitoring

The cover system was inspected on 19 May 2016 and 6 July 2017. 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. OVERALL PERIODIC REVIEW REPORT CONCLUSIONS AND RECOMMENDATIONS

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

The next reporting period for the site is from July 1, 2018, to June 30, 2021. Site inspections and groundwater monitoring will be conducted in the fall of 2018, the winter of 2019/2020, and the spring of 2021. The result of the site inspections and the groundwater monitoring will be reported in the next PRR. The next PRR will be submitted to NYSDEC by August 14, 2021.



7. REFERENCES

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

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, Former Drive & Park, Inc. Site, Brownfield Cleanup Program #C314111, 28 IBM Road, Poughkeepsie, New York.*, Integral Consulting Inc., Larkspur, CA, dated August 2015.



Site Location Map

(Scale in Feet)

eki environment & water 28 IBM Road Poughkeepsie, New York August 2018 EKI B70066.00

Figure 1

1



Potentiometric Surface Map 06 July 2017

eki environment & water 28 IBM Road Poughkeepsie, New York August 2018 EKI B70066.00

(82.70)

82 0

Notes:

- All locations are approximate.
 Recommon courses: Casada Factly
- Basemap source: Google Earth Pro, date of imagery 3 August 2016.

Groundwater Elevation in Feet NGVD 29

Contour (Contour Interval 1.0 ft)

Approximate Shallow Groundwater Surface

Figure 2

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 Cove	r 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

		Sample	Benzene	Toluene	Ethylbenzene	Total Xylenes
Well ID	Sample ID	Date	(µg/L)	(µg/L)	(µg/L)	(µg/L)
MW-1	MW-1-062106	06/21/06	<u>10.9</u>	<u>8.6 J</u>	<u>163</u>	<u>676</u>
	MW-1-092206	09/22/06	<u>8</u>	3.1	<u>92.3</u>	<u>374</u>
	MW-1-121506	12/15/06	<u>7.7</u>	1.5	<u>25.7</u>	<u>204</u>
	MW-1-022207	02/22/07	<u>6.8</u>	<1.0	2.3	<u>60.3</u>
	MW-1-060707	06/07/07	<u>4.6</u>	2.4	<u>79.7</u>	<u>804</u>
	MW-1-092707	09/27/07	<u>7.6</u>	<1.0	<u>15.2</u>	<u>43.5</u>
	MW-1-102108	10/21/08	<u>4 J</u>	0.5 J	<u>68 J</u>	<u>130 J</u>
	MW-1-021810	02/18/10	<1.0	<1.0	<u>14</u>	<u>43</u>
	MW-1-051111	05/11/11	<u>1.0</u>	<1.0	<u>45</u>	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	<u>19</u>
	MW-1-033115	03/31/15	<1.0	<1.0	<u>27</u>	<u>59</u>
	MW-1	05/19/16	<1.0	<1.0	<u>11</u>	<u>40</u>
	MW-1-070617	07/06/17	<1.0	<1.0	<u>8.4</u>	<u>44</u>
MW-12	MW-12-062106 / DUP ^b	06/21/06	<u>313</u>	<u>166 J</u>	<u>43.2</u>	<u>1,010</u>
	MW-12-092106 / DUP ^b	09/21/06	<u>333</u>	265	<u>618</u>	<u>1,820</u>
	MW-12-121406 / DUP ^b	12/14/06	<u>119</u>	<u>12.4</u>	<u>235</u>	<u>312</u>
	MW-12-022207 /DUP ^b	02/22/07	<u>220 J</u>	<u>31.8</u>	<u>493 J</u>	<u>1130 J</u>
	MW-12-060707 / DUP ^b	06/07/07	<u>184</u>	<u>35.3</u>	<u>509</u>	846
	MW-12-027707 / DUP	09/27/07	<u>337</u>	<u>99.9</u>	<u>963</u>	<u>1,570</u>
	MW-12-102108 / DUP ⁶	10/21/08	<u>31 J</u>	<u>14 J</u>	<u>148 J</u>	<u>238 J</u>
	MW-12-021810 / DUP	02/18/10	<u>/</u>	2.9	<u>10</u>	<u>19</u>
	MW-12-051211/DUP	05/11/11	<u>29</u> 10	<u>1/</u>	<u>140</u> 14	<u>390</u> 74
	MW 12 101712/DUP	10/17/12	<u>10</u> 10	4.0 J	<u>14</u> 25	<u>74</u> 5.0
	MW-12-101715/DUP	03/31/15	13.0	7.7	3.5 75	78
	MW-12/DLIP ^b	05/19/16	2.5	< <u>1.0</u>	2.4	1.4 J
	MW-12-070617DUP ^b	07/06/17	2.9	<1.0	4.8	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

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

		Sample	Benzene	Toluene	Ethylbenzene	Total Xylenes
Well ID	Sample ID	Date	(µg/L)	(µg/L)	(µg/L)	(µg/L)
MW-201	MW-201-062106	06/21/06	<u>8.7</u>	<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-203	MW-203-062106	06/21/06	<u>3.1</u>	<1.0 UJ	<1.0	<u>9.6</u>
	MW-203-092106	09/21/06	<u>73.9</u>	<1.0	<1.0	<3.0
	MW-203-121406	12/14/06	<u>88.4</u>	<1.0	5.0	<u>9.4</u>
	MW-203-022207	02/22/07	<u>94.8</u>	<1.0	<u>14</u>	<u>18.2</u>
	MW-203-060707	06/07/07	<u>46.8</u>	2.4	<u>16.4</u>	<u>12.4</u>
	MW-203-092707	09/27/07	<u>60.5</u>	1.4	<u>65.2</u>	<3.0
	MW-203-102108	10/21/08	<u>97 J</u>	<3	2 J	3 J
	MW-203-021810	02/18/10	<u>27</u>	<1.0	<1.0	<2.0
	MW-203-051111	05/11/11	<u>25</u>	1.7	<u>120</u>	<u>26</u>
	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	<u>5.8</u>	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	<u>5.0</u>	<1.0	<1.0	<2.0
NYSDEC Gr	oundwater Quality Standards ^c		1	5	5	5

Notes:

µg/L = micrograms per liter

bold = detected concentration

bold underlined = detected concentration exceeds water quality standard

< = 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 in 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.

^aAll samples analyzed using EPA Method 8260B.

^bResults provided are from the duplicate sample with the highest detected concentrations.

^cNYSDEC 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, David S. Averill, of EKI Environment & Water, Inc., in Burlingame, California, 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.

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David S. Averill Senior Scientist EKI Environment & Water, Inc Jucy 39,208

Site Inspection Form MAY 19,2016 Date: Former Drive & Park, Inc. 28 IBM Road Printed Name of Inspector: DAVERILL Poughkeepsie, NY BCP #C314111 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 Provide a general description of site conditions. GITE IS MOSTLY UNCHANGED SINCE LAST SITE VISIT. PAVED PARKING AND MOSTLY UNUSED OFFICE/GARAGE BUILDING, WITH ONER BAY MSED TO HAND WASH CARS. 3. Provide a general evaluation of the condition of monitoring wells. Au WEUS ARE SERVICEABLE. ONE BOLTON MW-203 WAS BENT BY A PLOW. IS IN AN AREA WHERE THE SHOW PLOTS WILL RARELY PLON. 4. Is there any damage to the site cover (soil cover, asphalt cover and concrete cover)? If yes, describe. NONE. 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. NONE 6. Identify site management activities being conducted (i.e., groundwater sampling). GROUNDWATER SAMPLING, SITE INSPECTION, WHITE LEVEL MEASUREMENTS, WELL INSPECTION, 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 July 6,2017 Date: Former Drive & Park, Inc. Printed Name of Inspector: Day ID Averu 28 IBM Road Poughkeepsie, NY BCP #C314111 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 MOSTLY UNCHANGED SINCE SPRING ZOIG, HEAVIER VEGETATION ON SCHTH AND WEST LOT LINES, ASPHALT HATAET NO ENIDENCE OF EXCANATION AT SITE. 2. Provide a general description of site conditions. 3. Provide a general evaluation of the condition of monitoring wells.
Alt Alt & GCOD TO FAIR CONDITION, MW-110 BY DAY CARE IS SUBJECT IT BENT AT TOP DUE TO SOIL CREEP MOVING ACADWAY BOX DOWNHILL. ALL WILLS IN WORKABLE
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 ON MONTERING WELL INSPECTION & WATER LIVEL MEASUREMINTS, ON SAMPLINE, INSPECTION 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: NONE.



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



Si	te No.	C314111		Site Details			Box 1	r.		
Si	te Name Fo	ormer Drive & Pa	ark Inc. Site	2		2.				
Sit Cil Co Sit Re	te Address: : ty/Town: Po Dunty: Dutche te Acreage: eporting Perio	28 IBM Road bughkeepsie ess 2.7 2.7 0d: July 35, 201	Zip Code: آسر <i>ا</i> 3 5 to July 15 ,	12601- 7 2018	12/					
							YES	NO		
1. ⁻	Is the inforr	mation above co	rrect?	2				X		
	lf NO, inclu	de handwritten a	above or on	a separate shee	t.					
2.	Has some o tax map arr	or all of the site p nendment during	property bee this Report	n sold, subdivid ng Period?	ed, merged, or ι	undergone a		×		
3.	Has there b (see 6NYCI	een any change RR 375-1.11(d)) [·]	of use at th ?	e site during this	Reporting Peri	od		X		
4.	Have any fe for or at the	ederal, state, and property during	l/or local pe this Reporti	rmits (e.g., build ng Period?	ing, discharge) l	been issued		8		
	lf you answ that docum	vered YES to qu nentation has be	lestions 2 t een previou	hru 4, include d Isly submitted	locumentation with this certifi	or evidence cation form)			
5.	Is the site c	urrently undergo	ing developi	ment?				8		
38								i ana		
							Box 2			
							YES	NO		
6.	Is the currer Commercial	nt site use consis and Industrial	stent with the	e use(s) listed be	elow?		X	Π		
7.	Are all ICs/E	Cs 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.										
100										
Sign	ature of Own	er, Remedial Par	ty or Designa	ated Representat	ive —	Date				
9. 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 E Description of Institutional Controls Institutional Control Parcel Owner 6050-4-903139 Avis Rent A Car System, LLC (1) The Controlled Property may be used for: Commercial as described in 6 NYCRR Part 375-1.8(g) (2) All Engineering Controls must be operated and maintained as specified in the Site Management Plan Monitoring Plan L/CEC Plan (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 SMP; (5) Data and information pertinent to Site Management of the Controlled Property must be reported as defined in the SMP. (6) All future activities on the property that will distutb remaining contaminated material must be comin accordance with the SMP; (7) Monitoring to assess the performance and effectivenees of the remedy mus			Box 2							
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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 Description of Institutional Controls Parcel Owner G060-4-903139 Avis Rent A Car System, LLC Ground Water Use Rest Landuse Restriction Site Management Plan Soil Management Plan C(2) All Engineering Controls must be operated and maintained as specified in the Site Management (SMP); (3) All Engineering Controls must be inspected at a frequency and in a manner defined in the SMP; (4) Croundwater and other environmental or public health monitoring must be performed as defined SMP; (5) Data and information pertinent to Site Management of the Controlled Property must be reported at frequency and in a manner defined in the SMP; (6) All future activities on the property that will disturb remaining contaminated material must be contin accordance with the SMP; (7) Monitoring to assess the performance and effectiveness of the remedy must be performed as defined 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. (8) Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical components of the streemedy shall be performed as defined in the SMP. (9) Access to the site must be provided to agents, employees or ther representatives of the State or York with reasonable prior notice to the property owner to assure compliance with the State or York with reasonable prior notice to the property owner to assure compliance with the state or York with reasonable prior notice to the property owner to assure compliance with the State ory	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 Description of Institutional Controls Parcel 0000-4-903139 Avis Rent A Car System, LLC Ground Water Use F Landuse Restriction Site Management Pi Monitoring Plan tC/EC Plan (1) The Controlled Property may be used for: Commercial as described in 6 NYCRR Part 375-1.6 (2) All Engineering Controls must be operated and maintained as specified in the Site Managem (SMP); (3) All Engineering Controls must be inspected at a frequency and in a manner defined in the SM (4) Groundwater and other environmental or public health monitoring must be performed as defined SMP; (6) All future activities on the property that will disturb remaining contaminated material must be of naccordance with the SMP; (7) Monitoring to assess the performance and effectiveness of the remedy must be performed as the SMP. (8) Aperation, maintenance, monitoring, inspection, and reporting of any mechanical or physical components of the remedy shall 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 Stal York with reasonable prior notice to the property owner to assure compliance with the restrictions by this Environmental Easement. Description of Engineering Controls Parc		YES xposure							
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(1) The Controlled Property may be used for: Commercial as described in 6 NYCRR Part 375-1.8(g). (2) All Engineering Controls must be operated and maintained as specified in the Site Management (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 SMP; (5) Data and information pertinent to Site Management of the Controlled Property must be reported a frequency and in a manner defined in the SMP; (6) All future activities on the property that will disturb remaining contaminated material must be contin 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 or York with reasonable prior notice to the property owner to assure compliance with the restrictions ide by this Environmental Easement. B Description of Engineering Controls Parcel Engineering Control 6060-4-903139 Cover System		Soil Mana Monitorin IC/EC Pla	agement Plan g Plan In							
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 (5) Data and information pertinent to Site Management of the Controlled Property must be reported frequency and in a manner defined in the SMP; (6) All future activities on the property that will disturb remaining contaminated material must be conin accordance with the SMP; (7) Monitoring to assess the performance and effectiveness of the remedy must be performed as de 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 or York with reasonable prior notice to the property owner to assure compliance with the restrictions ide by this Environmental Easement. 	 All Engineering Controls must be ir Groundwater and other environme MP: 	nspected at a frequency and in a manner define ntal or public health monitoring must be perforn	ed in the SMP. ned as defined in t							
in accordance with the SMP; (7) Monitoring to assess the performance and effectiveness of the remedy must be performed as de 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 o York with reasonable prior notice to the property owner to assure compliance with the restrictions ide by this Environmental Easement. B Description of Engineering Controls Parcel 6060-4-903139 Cover System	 Data and information pertinent to Sequency and in a manner defined in t All future activities on the property 	ite Management of the Controlled Property mu he SMP; that will disturb remaining contaminated materia	st be reported at t al must be conduc							
 (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 or York with reasonable prior notice to the property owner to assure compliance with the restrictions ide by this Environmental Easement. B Description of Engineering Controls Parcel Engineering Control 6060-4-903139 Cover System 	accordance with the SMP; ') Monitoring to assess the performar e SMP.	nce and effectiveness of the remedy must be pe	erformed as define							
York with reasonable prior notice to the property owner to assure compliance with the restrictions ide by this Environmental Easement. B Description of Engineering Controls Parcel Engineering Control 6060-4-903139 Cover System	 Operation, maintenance, monitorin mponents of the remedy shall be per Access to the site must be provided 	g, inspection, and reporting of any mechanical of formed as defined in the SMP.	or physical							
B Description of Engineering Controls Parcel Engineering Control 6060-4-903139 Cover System	ork with reasonable prior notice to the this Environmental Easement.	property owner to assure compliance with the	restrictions identif							
Description of Engineering Controls Parcel Engineering Control 6060-4-903139 Cover System			Box							
Parcel Engineering Control 6060-4-903139 Cover System	Description of Engineering Con	trols								
Cover System	<u>rcel</u> 60-4-903139	Engineering Control								
		Cover System								
		· ·								

	X 5
Periodic Review Report (PRR) Certification Statements	
1. I certify by checking "YES" below that:	
a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;	
b) to the best of my knowledge and belief, the work and conclusions described in this certifica are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and compete	ation I
YES NO	
	~
2. If this site has an IC/EC Plan (or equivalent as required in the Decision Document), for each Instituti or Engineering control listed in Boxes 3 and/or 4, I certify by checking "YES" below that all of the following statements are true:	onal
(a) the Institutional Control and/or Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;	
(b) nothing has occurred that would impair the ability of such Control, to protect public health the environment;	and
(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 ROSE ALLINO at 6 SYLVAN WAY PARSippany, NJ print name print business address	r
am certifying as(Owner or Remedial Party)	
for the Site named in the Site Details Section of this form. Signature of Owner, Remedial Party, or Designated Representative Date	

IC/EC CERTIFICATIONS

Qualified Environmental Professional Signature

Box 7

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.

CRTBLND. いてき う UALINGAN print name print business ad a4010 am certifying as a Qualified Environmental Professional for the 4415 k (Owner or Remedial Party) Signature of Qualified Environmental Professional, for Stamp Date the Owner or Remedial Party, Rendering Certification (Required for PE)



Appendix C

Laboratory Analytical Report and Chain-of-Custody Record For Groundwater Samples, 19 May 2016



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: 480-100583-1 Client Project/Site: AVIS Rent-A-Car

For:

Integral Consulting Inc 45 Exchange Street Suite 200 Portland, Maine 04101

Attn: Mr. David Averill

Authorized for release by: 5/26/2016 12:32:20 PM Steve Hartmann, Project Manager I (413)572-4000 steve.hartmann@testamericainc.com

Designee for

Becky Mason, Project Manager II (413)572-4000 becky.mason@testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



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3

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

	•	
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	 5
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	8
CNF	Contains no Free Liquid	
DER	Duplicate error ratio (normalized absolute difference)	9
Dil Fac	Dilution Factor	
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample	
DLC	Decision level concentration	
MDA	Minimum detectable activity	
EDL	Estimated Detection Limit	
MDC	Minimum detectable concentration	
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	
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)	

Toxicity Equivalent Quotient (Dioxin) TEQ

Job ID: 480-100583-1

Laboratory: TestAmerica Buffalo

Narrative

Comments

No additional comments.

Receipt

The samples were received on 5/24/2016 9:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.8° C.

GC/MS VOA

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

Client Sample ID: MW-110

No Detections.

Client Sample ID: MW-12					Lab	o Sa	ample ID:	480-100583-2	
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	2.3		1.0	0.41	ug/L	1	_	8260C	Total/NA
Ethylbenzene	2.4		1.0	0.74	ug/L	1		8260C	Total/NA
m-Xylene & p-Xylene	1.4	J	2.0	0.66	ug/L	1		8260C	Total/NA
Xylenes, Total	1.4	J	2.0	0.66	ug/L	1		8260C	Total/NA

Client Sample ID: MW-1212

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	2.5		1.0	0.41	ug/L	1	_	8260C	Total/NA
Ethylbenzene	2.2		1.0	0.74	ug/L	1		8260C	Total/NA
m-Xylene & p-Xylene	1.2	J	2.0	0.66	ug/L	1		8260C	Total/NA
Xylenes, Total	1.2	J	2.0	0.66	ug/L	1		8260C	Total/NA

Client Sample ID: MW-201

No Detections.

Client Sample ID: MW-203

No Detections.

Client Sample ID: TRIP BLANK

No Detections.

Client Sample ID: MW-1					Lal	b S	Sample ID:	480-100583-7	
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	11		1.0	0.74	ug/L	1	_	8260C	Total/NA
m-Xylene & p-Xylene	36		2.0	0.66	ug/L	1		8260C	Total/NA
o-Xylene	4.2		1.0	0.76	ug/L	1		8260C	Total/NA
Xylenes, Total	40		2.0	0.66	ug/L	1		8260C	Total/NA

Lab Sample ID: 480-100583-3

Lab Sample ID: 480-100583-4

Lab Sample ID: 480-100583-5

Lab Sample ID: 480-100583-6

Client Sample ID: MW-110

Date Collected: 05/19/16 13:40 Date Received: 05/24/16 09:30

Method: 8260C - Volatile Organi	c Compounds	by GC/MS							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			05/25/16 04:36	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/25/16 04:36	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			05/25/16 04:36	1
o-Xylene	ND		1.0	0.76	ug/L			05/25/16 04:36	1
Toluene	ND		1.0	0.51	ug/L			05/25/16 04:36	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/25/16 04:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	86		66 - 137			-		05/25/16 04:36	1
4-Bromofluorobenzene (Surr)	92		73 - 120					05/25/16 04:36	1
Dibromofluoromethane (Surr)	89		60 - 140					05/25/16 04:36	1
Toluene-d8 (Surr)	95		71 - 126					05/25/16 04:36	1

Client Sample ID: MW-12

Date Collected: 05/19/16 14:20

Date Received: 05/24/16 09:30

Method: 8260C - Volatile Orga	nic Compounds	by GC/MS							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	2.3		1.0	0.41	ug/L			05/25/16 04:13	1
Ethylbenzene	2.4		1.0	0.74	ug/L			05/25/16 04:13	1
m-Xylene & p-Xylene	1.4	J	2.0	0.66	ug/L			05/25/16 04:13	1
o-Xylene	ND		1.0	0.76	ug/L			05/25/16 04:13	1
Toluene	ND		1.0	0.51	ug/L			05/25/16 04:13	1
Xylenes, Total	1.4	J	2.0	0.66	ug/L			05/25/16 04:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90		66 - 137			-		05/25/16 04:13	1
4-Bromofluorobenzene (Surr)	89		73 - 120					05/25/16 04:13	1
Dibromofluoromethane (Surr)	83		60 _ 140					05/25/16 04:13	1
Toluene-d8 (Surr)	92		71 - 126					05/25/16 04:13	1

Client Sample ID: MW-1212 Date Collected: 05/19/16 14:25

Date Received: 05/24/16 09:30

Method: 8260C - Volatile Organic C	ompounds	by GC/MS							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	2.5		1.0	0.41	ug/L			05/25/16 15:35	1
Ethylbenzene	2.2		1.0	0.74	ug/L			05/25/16 15:35	1
m-Xylene & p-Xylene	1.2	J	2.0	0.66	ug/L			05/25/16 15:35	1
o-Xylene	ND		1.0	0.76	ug/L			05/25/16 15:35	1
Toluene	ND		1.0	0.51	ug/L			05/25/16 15:35	1
Xylenes, Total	1.2	J	2.0	0.66	ug/L			05/25/16 15:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		66 - 137					05/25/16 15:35	1
4-Bromofluorobenzene (Surr)	92		73 - 120					05/25/16 15:35	1
Dibromofluoromethane (Surr)	83		60 - 140					05/25/16 15:35	1
Toluene-d8 (Surr)	93		71 - 126					05/25/16 15:35	1

Lab Sample ID: 480-100583-1

Lab Sample ID: 480-100583-2

Lab Sample ID: 480-100583-3

Matrix: Water

Matrix: Water

Matrix: Water

TestAmerica Job ID: 480-100583-1

RL

1.0

1.0

2.0

1.0

1.0

2.0

Limits

66 - 137

73 - 120

60 - 140

71 - 126

MDL Unit

0.41 ug/L

0.74 ug/L

0.66 ug/L

0.76 ug/L

0.51 ug/L

0.66 ug/L

D

Prepared

Prepared

Client Sample ID: MW-201 Date Collected: 05/19/16 16:15 Date Received: 05/24/16 09:30

Analyte

Benzene

o-Xylene

Toluene

Ethylbenzene

Xylenes, Total

Toluene-d8 (Surr)

Surrogate

m-Xylene & p-Xylene

1,2-Dichloroethane-d4 (Surr)

4-Bromofluorobenzene (Surr)

Dibromofluoromethane (Surr)

Client Sample ID: MW-203

Date Collected: 05/19/16 16:50

Date Received: 05/24/16 09:30

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

Result Qualifier

ND

ND

ND

ND

ND

ND

82

91

86

92

%Recovery

Qualifier

Lab Sample ID: 480-100583-4 Matrix: Water

Analyzed

05/25/16 03:27

05/25/16 03:27

05/25/16 03:27

05/25/16 03:27

05/25/16 03:27

05/25/16 03:27

Analyzed

6

-	05/25/16 03:27	1
	05/25/16 03:27	1
	05/25/16 03:27	1
	05/25/16 03:27	1

Lab Sample ID: 480-100583-5

Lab Sample ID: 480-100583-6

Matrix: Water

Matrix: Water

Dil Fac

1

1

1

1

1

1

1

Dil Fac

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			05/25/16 03:04	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/25/16 03:04	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			05/25/16 03:04	1
o-Xylene	ND		1.0	0.76	ug/L			05/25/16 03:04	1
Toluene	ND		1.0	0.51	ug/L			05/25/16 03:04	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/25/16 03:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	84		66 - 137			-		05/25/16 03:04	1
4-Bromofluorobenzene (Surr)	90		73 - 120					05/25/16 03:04	1
Dibromofluoromethane (Surr)	87		60 - 140					05/25/16 03:04	1
Toluene-d8 (Surr)	95		71 - 126					05/25/16 03:04	1

Client Sample ID: TRIP BLANK

Date Collected: 05/19/16 00:00

Date Received: 05/24/16 09:30

Method: 8260C - Volatile Orga	nic Compounds	by GC/MS							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			05/25/16 02:41	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/25/16 02:41	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			05/25/16 02:41	1
o-Xylene	ND		1.0	0.76	ug/L			05/25/16 02:41	1
Toluene	ND		1.0	0.51	ug/L			05/25/16 02:41	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/25/16 02:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	83		66 - 137			-		05/25/16 02:41	1
4-Bromofluorobenzene (Surr)	95		73 - 120					05/25/16 02:41	1
Dibromofluoromethane (Surr)	88		60 - 140					05/25/16 02:41	1
Toluene-d8 (Surr)	97		71 - 126					05/25/16 02:41	1

RL

1.0

1.0

2.0

1.0

1.0

2.0

Limits

66 - 137

73 - 120

60 - 140

71 - 126

MDL Unit

0.74 ug/L

0.66 ug/L

0.76 ug/L

0.51 ug/L

0.66 ug/L

0.41 ug/L

D

Prepared

Prepared

Client Sample ID: MW-1 Date Collected: 05/19/16 18:30 Date Received: 05/24/16 09:30

Analyte

Benzene

o-Xylene

Surrogate

Toluene

Ethylbenzene

Xylenes, Total

Toluene-d8 (Surr)

m-Xylene & p-Xylene

1,2-Dichloroethane-d4 (Surr)

4-Bromofluorobenzene (Surr)

Dibromofluoromethane (Surr)

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

Result Qualifier

ND

11

36

4.2

ND

40

80

95

85

94

Qualifier

%Recovery

Lab Sample ID: 480-100583-7 Matrix: Water

Analyzed

05/25/16 02:18

05/25/16 02:18

05/25/16 02:18

05/25/16 02:18

05/25/16 02:18

05/25/16 02:18

Analyzed

05/25/16 02:18

05/25/16 02:18

05/25/16 02:18

05/25/16 02:18

5/26/2016

Prep Type: Total/NA

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

Μ	atı	rix:	W	at	er

				Percent Su	rrogate Reco
		12DCE	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(66-137)	(73-120)	(60-140)	(71-126)
480-100583-1	MW-110	86	92	89	95
480-100583-2	MW-12	90	89	83	92
480-100583-3	MW-1212	96	92	83	93
480-100583-4	MW-201	82	91	86	92
480-100583-5	MW-203	84	90	87	95
480-100583-5 MS	MW-203	81	97	84	97
480-100583-5 MSD	MW-203	81	98	86	99
480-100583-6	TRIP BLANK	83	95	88	97
480-100583-7	MW-1	80	95	85	94
LCS 480-303454/5	Lab Control Sample	76	94	81	98
LCS 480-303519/5	Lab Control Sample	81	97	89	97
MB 480-303454/7	Method Blank	84	89	87	98
MB 480-303519/7	Method Blank	80	91	86	95

12DCE = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

TOL = Toluene-d8 (Surr)

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

Lab Sample ID: MB 480-303454/7

Matrix: Water Analysis Batch: 303454

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			05/24/16 21:12	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/24/16 21:12	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			05/24/16 21:12	1
o-Xylene	ND		1.0	0.76	ug/L			05/24/16 21:12	1
Toluene	ND		1.0	0.51	ug/L			05/24/16 21:12	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/24/16 21:12	1
	МВ	МВ							

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	84		66 - 137		05/24/16 21:12	1
4-Bromofluorobenzene (Surr)	89		73 - 120		05/24/16 21:12	1
Dibromofluoromethane (Surr)	87		60 - 140		05/24/16 21:12	1
Toluene-d8 (Surr)	98		71 - 126		05/24/16 21:12	1

Lab Sample ID: LCS 480-303454/5 Matrix: Water Analysis Batch: 303454

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene		22.3		ug/L		89	71 - 124	
Ethylbenzene	25.0	24.1		ug/L		97	77 _ 123	
m-Xylene & p-Xylene	25.0	24.4		ug/L		98	76 - 122	
o-Xylene	25.0	22.7		ug/L		91	76 - 122	
Toluene	25.0	25.0		ug/L		100	80 - 122	

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	76		66 - 137
4-Bromofluorobenzene (Surr)	94		73 - 120
Dibromofluoromethane (Surr)	81		60 - 140
Toluene-d8 (Surr)	98		71 - 126

Lab Sample ID: 480-100583-5 MS Matrix: Water

Analysis Batch: 303454

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	ND		25.0	22.1		ug/L		88	71 - 124	
Ethylbenzene	ND		25.0	22.3		ug/L		89	77 _ 123	
m-Xylene & p-Xylene	ND		25.0	22.1		ug/L		88	76 ₋ 122	
o-Xylene	ND		25.0	21.1		ug/L		84	76 ₋ 122	
Toluene	ND		25.0	23.1		ug/L		93	80 - 122	
	MS	MS								
Surrogate	%Recovery	Qualifier	Limits							
1,2-Dichloroethane-d4 (Surr)	81		66 - 137							
4-Bromofluorobenzene (Surr)	97		73 - 120							
Dibromofluoromethane (Surr)	84		60 - 140							
Toluene-d8 (Surr)	97		71 - 126							

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Client Sample ID: MW-203 Prep Type: Total/NA

Prep Type: Total/NA

5

8

Client Sample ID: Method Blank

o-Xylene

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

Lab Sample ID: 480-100583-5 MS	SD											С	lient Samp	le ID: M	W-20
Matrix: Water													Prep T	уре: То	tal/N
Analysis Batch: 303454		_	_												
	Sample	Sam	ple	Spike		MSD	MSD)					%Rec.		RP
Analyte	Result	Qua	lifier	Added	F	Result	Qua	lifier	Unit		D	%Rec	Limits	RPD	Lim
Benzene	ND			25.0		22.9			ug/L			92	71 - 124	4	1
Ethylbenzene	ND			25.0		23.7			ug/L			95	77 _ 123	6	1
m-Xylene & p-Xylene	ND			25.0		22.5			ug/L			90	76 _ 122	2	1
o-Xylene	ND			25.0		22.4			ug/L			90	76 - 122	6	1
Toluene	ND			25.0		24.5			ug/L			98	80 - 122	6	1
	Men	мег	,												
Surrogata	WSD V Beegwary	MSL Oue	, lifior	Limito											
Surrogate 1.0 Diablementheme d4 (Surre)	%Recovery	Qua	imer												
	81			00 - 13/											
4-brornonuorobenzene (Surr)	98			13-120											
Dibromofluoromethane (Surr)	86			60 - 140											
Toluene-d8 (Surr)	99			71 - 126											
Lab Sample ID: MB 480-303519/7	7											Client S	Sample ID:	Method	Blan
Matrix: Water													Prep T	vpe: To	tal/N/
Analysis Batch: 303519															
		ΜВ	МВ												
Analyte	R	esult	Qualifier		RL		MDL	Unit		D	Р	repared	Analyz	ed	Dil Fa
Benzene		ND			1.0		0.41	ug/L					05/25/16	10:43	
Ethylbenzene		ND			1.0		0.74	ug/L					05/25/16	10:43	
m-Xylene & p-Xylene		ND			2.0		0.66	ug/L					05/25/16	10:43	
o-Xylene		ND			1.0		0.76	ug/L					05/25/16	10:43	
Toluene		ND			1.0		0.51	ug/L					05/25/16	10:43	
Xylenes, Total		ND			2.0		0.66	ug/L					05/25/16	10:43	
		ΜВ	МВ												
Surrogate	%Reco	overy	Qualifier	Limi	its						P	repared	Analyz	ed	Dil Fa
1,2-Dichloroethane-d4 (Surr)		80		66 - 1	137					-			05/25/16	10:43	
4-Bromofluorobenzene (Surr)		91		73 - 1	120								05/25/16	10:43	
Dibromofluoromethane (Surr)		86		60 -	140								05/25/16	10:43	
Toluene-d8 (Surr)		95		71 -	126								05/25/16	10:43	
_															
Lab Sample ID: LCS 480-303519/	/5									Cli	ent	Sample	D: Lab Co	ontrol S	ampl
Matrix: Water													Prep T	уре: То	tal/N/
Analysis Batch: 303519													~-		
				Spike	_	LCS	LCS				_	~-	%Rec.		
Analyte				Added	F	Result	Qua	lifier	Unit		D	%Rec	Limits		
Benzene				25.0		25.3			ug/L			101	71 - 124		
Ethylbenzene				25.0		25.6			ug/L			102	77 - 123		
m-Xvlene & p-Xvlene				25.0		25.1			ua/L			101	76 - 122		

Toluene			25.0	26.6	ug/L	106	80 - 122	
	LCS	LCS						
Surrogate	%Recovery	Qualifier	Limits					
1,2-Dichloroethane-d4 (Surr)	81		66 - 137					
4-Bromofluorobenzene (Surr)	97		73 - 120					
Dibromofluoromethane (Surr)	89		60 - 140					
Toluene-d8 (Surr)	97		71 126					

25.0

TestAmerica Buffalo

24.5

ug/L

98

76 - 122

GC/MS VOA

Analysis Batch: 303454

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-100583-1	MW-110	Total/NA	Water	8260C	
480-100583-2	MW-12	Total/NA	Water	8260C	
480-100583-4	MW-201	Total/NA	Water	8260C	
480-100583-5	MW-203	Total/NA	Water	8260C	
480-100583-5 MS	MW-203	Total/NA	Water	8260C	
480-100583-5 MSD	MW-203	Total/NA	Water	8260C	
480-100583-6	TRIP BLANK	Total/NA	Water	8260C	
480-100583-7	MW-1	Total/NA	Water	8260C	
LCS 480-303454/5	Lab Control Sample	Total/NA	Water	8260C	
MB 480-303454/7	Method Blank	Total/NA	Water	8260C	

Analysis Batch: 303519

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-100583-3	MW-1212	Total/NA	Water	8260C	
LCS 480-303519/5	Lab Control Sample	Total/NA	Water	8260C	
MB 480-303519/7	Method Blank	Total/NA	Water	8260C	

Total/NA

Analysis

8260C

Client Sample	le ID: MW-1	10					La	ab Sample I	D: 480-100583-1
Date Collected	: 05/19/16 13:4	40						-	Matrix: Water
Date Received:	05/24/16 09:3	30							
Г	Batch	Batch		Dilution	Batch	Prepared			
Pren Tyne	Type	Method	Run	Factor	Number	or Analyzed	∆nalvst	Lah	
Total/NA	Analysis				303454	05/25/16 04:36	SWO		
	, and yold	02000				00/20/10 0 1100	0.10		
Client Samp	le ID: MW-1	2					La	ab Sample I	D: 480-100583-2
Date Collected	: 05/19/16 14::	20						-	Matrix: Water
Date Received:	05/24/16 09:3	30							
Γ	Batch	Batch		Dilution	Batch	Prepared			
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab	
Total/NA	Analysis	8260C		1	303454	05/25/16 04:13	SWO	TAL BUF	
Client Samp		212						ah Samnlo I	D: 480-100583-3
Data Collected		212							D. 400-100000-0 Metrix: Weter
Date Collected	05/19/16 14.	20							Watrix: Water
	03/24/10 03.	50							
	Batch	Batch		Dilution	Batch	Prepared			
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab	
Total/NA	Analysis	8260C		1	303519	05/25/16 15:35	GVF	TAL BUF	
Client Samp	le ID: MW-2	01					Li	ab Sample I	D: 480-100583-4
Date Collected	: 05/19/16 16:	15						•	Matrix: Water
Date Received:	05/24/16 09:3	30							
Γ	Batch	Batch		Dilution	Batch	Prepared			
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab	
Total/NA	Analysis	8260C		1	303454	05/25/16 03:27	SWO	TAL BUF	
Client Samp	le ID: MW-2	03					Li	ab Sample I	D: 480-100583-5
Date Collected	05/19/16 16:	50							Matrix: Water
Date Received:	05/24/16 09:3	30							
Γ	Batch	Batch		Dilution	Batch	Prepared			
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab	
Total/NA	Analysis	8260C		1	303454	05/25/16 03:04	SWO	TAL BUF	
Client Samp	le ID: TRIP	BLANK					I :	ab Sample I	D: 480-100583-6
Date Collected	· 05/19/16 00·	00							Matrix: Wator
Date Received:	: 05/24/16 09:3	30							
	Batch	Batch		Dilution	Batch	Prepared			
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analvst	Lab	
1 11 257	15-	· · · · ·							

TAL BUF

1

303454

05/25/16 02:41 SWO

Matrix: Water

Client Sample ID: MW-1 Lab Sample ID: 480-100583-7 Date Collected: 05/19/16 18:30 Date Received: 05/24/16 09:30

Γ	Batch	Batch		Dilution	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	303454	05/25/16 02:18	SWO	TAL BUF

Laboratory References:

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

Client: Integral Consulting Inc Project/Site: AVIS Rent-A-Car

Laboratory: TestAmerica Buffalo

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-17

Client: Integral Consulting Inc Project/Site: AVIS Rent-A-Car

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	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: Integral Consulting Inc Project/Site: AVIS Rent-A-Car TestAmerica Job ID: 480-100583-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	
480-100583-1	MW-110	Water	05/19/16 13:40	05/24/16 09:30	
480-100583-2	MW-12	Water	05/19/16 14:20	05/24/16 09:30	
480-100583-3	MW-1212	Water	05/19/16 14:25	05/24/16 09:30	5
480-100583-4	MW-201	Water	05/19/16 16:15	05/24/16 09:30	
480-100583-5	MW-203	Water	05/19/16 16:50	05/24/16 09:30	
480-100583-6	TRIP BLANK	Water	05/19/16 00:00	05/24/16 09:30	
480-100583-7	MW-1	Water	05/19/16 18:30	05/24/16 09:30	
					8
					9
					13

TestAmerica Buffalo					7	
10 Hazelwood Drive Amherst, NY 14228-2298	Chain of Cus	tody Rec	ord			
Prone (/ to) 091-2000 Fax (/ to) 091-/ 991	Sampler A	ILab PM:		Carrier Tr		ſ
Client Information	AND AVERICO	Mason, B	ecky C			
Client Contact: Mr. David Averili	Phone: 6031378- 27	PS becky.ma	son@testamericainc.com	48	0-100583 Chain of Custody	
Company: Integral Consulting Inc			Analysis Re	quested		
Address: 45 Exchange Street Suite 200	Due Date Requested:				Preservation Cod	es:
City: Portland	TAT Requested (days):				B - HCL	M - Hexane N - None O - AsNaO2
State, Zip ME, 04101	STANDARD				D - Nitric Acid E - NaHSO4	P - Na2045 Q - Na2SO3
Phone: 803-378-2793(Tel)	Po# Purchase Order not required	63 0		*****	6- Amchlor 6- Amchlor 6- H - Ascorbic Acid	R - Na2S203 S - H2SO4 T - TSP Ordershuftrata
Email: daverill@integral-corp.com	,#OW	NPIQXS			i - Ice	U - Acetone V - MCAA
Project Name: AVIS Rent-A-Car	Project #; 48006453	97) 91			K-EDTA L-EDA	W - ph 4-5 Z - other (specify)
Site	SSOW#:	dwes	15W 09Z8		Octrar.	4239003401 0
	Sample	Matrix 200	<u>775</u> - x31		10-34	
e come de la come de la La come de la	Sounds Dots Time C-comp.	All Harrison	Эсос - в.		2000 12:00	
Sample identification		fion Code a X	61 61 62		Special In	structions/Note:
NW -110	5/19/16 13:40 6	Water				
モーーろう しん	2 11d/10 11:30 0	Water			<u></u>	
6121-M	2/19/16 14:25 6	Water				
Mur Del	15/19/10 16:15 6	Water				
Eor mw	5/19/16 16:50 6	Water				
TRIP BLANK		Water	N'			
Muri	5119/16 15:30 0	Water	X			
		Water				
		Water				
		Water				
	-					
Reference Internation	son B Unknown Radiologica	S	ample Disposal (A fee may be :	issessed if sar Disposal Bv Lat	nples are retained longer than 1	month) Months
Deliverable Requested: I, II, III, IV, Other (specify)		0	pecial Instructions/QC Requireme	nts:		
Empty Kit Kelipavished th:	Date:	Time	× × ×	Method of S	ihipment: Î	
Reinquisted by All Mrs	51331296 0 15W	Company I NY FELAL	Received by:		5/24/6 0930	Compuny
Relinquisted by:	Date/Time:	Company	Received by:		Date/ lime:	Company
Relinquished by:	Date/Time:	Company	Received by:		Daterfime:	Company
Custody Seals Intact I Custody Seal No.:			Cooler Temperature(s) °C and Other R	emarks:	₹ 2° 2°	

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Client: Integral Consulting Inc

Login Number: 100583

List Number: 1 Creator: Janish, Carl M

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	INTEGRAL
Samples received within 48 hours of sampling.	False	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked	N/A	

Job Number: 480-100583-1

List Source: TestAmerica Buffalo



Appendix D

Laboratory Analytical Report and Chain-of-Custody Record For Groundwater Samples, 6 July 2017



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: 480-120837-1

Client Project/Site: AVIS Rent A Car - Poughkeepsie, NY

For:

EKI Environment & Water Inc 1870 Ogden Drive Burlingame, California 94010-5306

Attn: Mr. David Averill

Authorized for release by: 7/21/2017 3:35:05 PM Ryan VanDette, Project Manager II (716)504-9830 ryan.vandette@testamericainc.com

Designee for

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

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



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

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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
X	Surrogate is outside 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)	
TEO	Toxicity Equivalent Quotient (Dioxin)	

Job ID: 480-120837-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-120837-1

Comments

No additional comments.

Receipt

The samples were received on 7/11/2017 9:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.8° C.

GC/MS VOA

Method(s) 8260C: Surrogate recovery for the following samples were outside control limits: MW-12-070617 (480-120837-2) and MW-1212-070617 (480-120837-3). Re-analysis was performed with concurring results. The following samples are impacted: MW-12-070617 (480-120837-2) and MW-1212-070617 (480-120837-3)

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

Client Sample ID: MW-110-070617

No Detections.

Client Sample ID: MW-12	-070617				Lat	o S	ample ID:	480-120837-2
Analyte	Result Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	2.9	1.0	0.41	ug/L	1	—	8260C	Total/NA
Ethylbenzene	4.8	1.0	0.74	ug/L	1		8260C	Total/NA
m-Xylene & p-Xylene	2.0	2.0	0.66	ug/L	1		8260C	Total/NA
Xylenes, Total	2.0	2.0	0.66	ug/L	1		8260C	Total/NA
Total BTEX	9.7	2.0	1.0	ug/L	1		8260C	Total/NA

Client Sample ID: MW-1212-070617

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	2.9		1.0	0.41	ug/L	1	_	8260C	Total/NA
Ethylbenzene	4.5		1.0	0.74	ug/L	1		8260C	Total/NA
m-Xylene & p-Xylene	1.9	J	2.0	0.66	ug/L	1		8260C	Total/NA
Xylenes, Total	1.9	J	2.0	0.66	ug/L	1		8260C	Total/NA
Total BTEX	9.3		2.0	1.0	ug/L	1		8260C	Total/NA

Client Sample ID: MW-201-070617

No Detections.

Client Sample ID: MW-203-070617

Analyte	Result Qualifier	RL	MDL Unit	Dil Fac D	Method	Prep Type
Benzene	5.0	1.0	0.41 ug/L	1	8260C	Total/NA
Total BTEX	5.0	2.0	1.0 ug/L	1	8260C	Total/NA

Client Sample ID: MW-1-070617

—									
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	8.4		1.0	0.74	ug/L	1	_	8260C	Total/NA
m-Xylene & p-Xylene	43		2.0	0.66	ug/L	1		8260C	Total/NA
o-Xylene	0.87	J	1.0	0.76	ug/L	1		8260C	Total/NA
Xylenes, Total	44		2.0	0.66	ug/L	1		8260C	Total/NA
Total BTEX	52		2.0	1.0	ug/L	1		8260C	Total/NA

Client Sample ID: TRIP BLANK

No Detections.

Lab Sample ID: 480-120837-1

3 4 5 6 7 8 9 10 11

Lab Sample ID: 480-120837-4

Lab Sample ID: 480-120837-3

Lab Sample ID: 480-120837-5

Lab Sample ID: 480-120837-6

Lab Sample ID: 480-120837-7

Client Sample ID: MW-110-070617

Method: 8260C - Volatile O	rganic Compounds b	by GC/MS							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			07/18/17 05:27	1
Toluene	ND		1.0	0.51	ug/L			07/18/17 05:27	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/18/17 05:27	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			07/18/17 05:27	1
o-Xylene	ND		1.0	0.76	ug/L			07/18/17 05:27	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/18/17 05:27	1
Total BTEX	ND		2.0	1.0	ug/L			07/18/17 05:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

ourrogato	<i>/////////////////////////////////////</i>	Quanner	Linnto		ricpurcu	Analyzea	Diriao
Toluene-d8 (Surr)	95		80 - 120	-		07/18/17 05:27	1
1,2-Dichloroethane-d4 (Surr)	104		77 - 120			07/18/17 05:27	1
4-Bromofluorobenzene (Surr)	86		73 - 120			07/18/17 05:27	1
Dibromofluoromethane (Surr)	97		75 - 123			07/18/17 05:27	1

Client Sample ID: MW-12-070617

Date Collected: 07/06/17 14:20 Date Received: 07/11/17 09:00

_ Method: 8260C - Volatile Orga	nic Compounds	by GC/MS							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	2.9		1.0	0.41	ug/L			07/18/17 23:52	1
Toluene	ND		1.0	0.51	ug/L			07/18/17 23:52	1
Ethylbenzene	4.8		1.0	0.74	ug/L			07/18/17 23:52	1
m-Xylene & p-Xylene	2.0		2.0	0.66	ug/L			07/18/17 23:52	1
o-Xylene	ND		1.0	0.76	ug/L			07/18/17 23:52	1
Xylenes, Total	2.0		2.0	0.66	ug/L			07/18/17 23:52	1
Total BTEX	9.7		2.0	1.0	ug/L			07/18/17 23:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	88		80 - 120			-		07/18/17 23:52	1
1,2-Dichloroethane-d4 (Surr)	137	X	77 _ 120					07/18/17 23:52	1
4-Bromofluorobenzene (Surr)	90		73 - 120					07/18/17 23:52	1
Dibromofluoromethane (Surr)	99		75 - 123					07/18/17 23:52	

Client Sample ID: MW-1212-070617 Date Collected: 07/06/17 14:25

Date Received: 07/11/17 09:00

Method: 8260C - Volatile Or	ganic Compounds	by GC/MS							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	2.9		1.0	0.41	ug/L			07/19/17 00:15	1
Toluene	ND		1.0	0.51	ug/L			07/19/17 00:15	1
Ethylbenzene	4.5		1.0	0.74	ug/L			07/19/17 00:15	1
m-Xylene & p-Xylene	1.9	J	2.0	0.66	ug/L			07/19/17 00:15	1
o-Xylene	ND		1.0	0.76	ug/L			07/19/17 00:15	1
Xylenes, Total	1.9	J	2.0	0.66	ug/L			07/19/17 00:15	1
Total BTEX	9.3		2.0	1.0	ug/L			07/19/17 00:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	90		80 - 120			-		07/19/17 00:15	1

TestAmerica Buffalo

6

Lab Sample ID: 480-120837-3

Matrix: Water

Limits

77 - 120

73 - 120

75 - 123

RL

1.0

1.0

1.0

2.0

1.0

2.0

2.0

Limits 80 - 120

77 - 120

73 - 120

75 - 123

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

%Recovery Qualifier

140 X

84

95

Result Qualifier

ND

ND

ND

ND

ND

ND

ND

97 102

86

99

96

Qualifier

%Recovery

Client Sample ID: MW-1212-070617 Date Collected: 07/06/17 14:25 Date Received: 07/11/17 09:00

Client Sample ID: MW-201-070617

Surrogate

Analyte

Benzene

Toluene

o-Xylene

Ethylbenzene

Xylenes, Total

Total BTEX

Surrogate

Toluene-d8 (Surr)

1,2-Dichloroethane-d4 (Surr) 4-Bromofluorobenzene (Surr)

Dibromofluoromethane (Surr)

Dibromofluoromethane (Surr)

m-Xylene & p-Xylene

1,2-Dichloroethane-d4 (Surr)

4-Bromofluorobenzene (Surr)

Dibromofluoromethane (Surr)

Date Collected: 07/06/17 16:30

Date Received: 07/11/17 09:00

_

MDL Unit

0.74 ug/L

0.66 ug/L

0.76 ug/L

1.0 ug/L

0.41 ug/L

0.51 ug/L

0.66 ug/L TestAmerica Job ID: 480-120837-1

Lab Sample ID: 480-120837-3

Analyzed

07/19/17 00:15

07/19/17 00:15

07/19/17 00:15

Analyzed

07/18/17 06:36

07/18/17 06:36

07/18/17 06:36

07/18/17 06:36

07/18/17 06:36

Lab Sample ID: 480-120837-4

Prepared

Prepared

D

Matrix: Water

Matrix: Water

Dil Fac

Dil Fac

1

1

1

1

1

1

6

	07/18/17 06:36	1
	07/18/17 06:36	1
Prepared	Analyzed	Dil Fac
	07/18/17 06:36	1
	07/18/17 06:36	1
		•

Client Sample ID: MW-203-070617 Date Collected: 07/06/17 17:15 Date F

Date Received: 07/11/17 09:00									
Method: 8260C - Volatile Orga	nic Compounds	by GC/MS							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	5.0		1.0	0.41	ug/L			07/18/17 17:10	1
Toluene	ND		1.0	0.51	ug/L			07/18/17 17:10	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/18/17 17:10	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			07/18/17 17:10	1
o-Xylene	ND		1.0	0.76	ug/L			07/18/17 17:10	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/18/17 17:10	1
Total BTEX	5.0		2.0	1.0	ug/L			07/18/17 17:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	93		80 - 120			-		07/18/17 17:10	1
1,2-Dichloroethane-d4 (Surr)	107		77 - 120					07/18/17 17:10	1
4-Bromofluorobenzene (Surr)	89		73 - 120					07/18/17 17:10	1

75 - 123

TestAmerica Buffalo

07/18/17 17:10

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

07/18/17 06:36 Lab Sample ID: 480-120837-5

Matrix: Water

Client Sample ID: MW-1-070617 Date Collected: 07/06/17 18:15

Date Received: 07/11/17 09:00

Method: 8260C - Volatile Orga	nic Compounds	by GC/MS							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			07/18/17 17:33	1
Toluene	ND		1.0	0.51	ug/L			07/18/17 17:33	1
Ethylbenzene	8.4		1.0	0.74	ug/L			07/18/17 17:33	1
m-Xylene & p-Xylene	43		2.0	0.66	ug/L			07/18/17 17:33	1
o-Xylene	0.87	J	1.0	0.76	ug/L			07/18/17 17:33	1
Xylenes, Total	44		2.0	0.66	ug/L			07/18/17 17:33	1
Total BTEX	52		2.0	1.0	ug/L			07/18/17 17:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	95		80 - 120			-		07/18/17 17:33	1
1,2-Dichloroethane-d4 (Surr)	114		77 - 120					07/18/17 17:33	1
4-Bromofluorobenzene (Surr)	96		73 - 120					07/18/17 17:33	1
Dibromofluoromethane (Surr)	96		75 - 123					07/18/17 17:33	1

Client Sample ID: TRIP BLANK

Date Collected: 07/06/17 00:00 Date Received: 07/11/17 09:00

Method: 8260C - Volatile Organic Con	npounds b	y GC/MS							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			07/19/17 06:42	1
Toluene	ND		1.0	0.51	ug/L			07/19/17 06:42	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/19/17 06:42	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			07/19/17 06:42	1
o-Xylene	ND		1.0	0.76	ug/L			07/19/17 06:42	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/19/17 06:42	1
Total BTEX	ND		2.0	1.0	ug/L			07/19/17 06:42	1

Surrogate	%Recovery	Qualifier Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	98	80 - 120		07/19/17 06:42	1
1,2-Dichloroethane-d4 (Surr)	104	77 - 120		07/19/17 06:42	1
4-Bromofluorobenzene (Surr)	102	73 - 120		07/19/17 06:42	1
Dibromofluoromethane (Surr)	103	75 - 123		07/19/17 06:42	1

TestAmerica Job ID: 480-120837-1

Lab Sample ID: 480-120837-6 Matrix: Water

Lab Sample ID: 480-120837-7

13

Matrix: Water

Prep Type: Total/NA

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

Matrix: Water

				Percent Su	rrogate Rec
		TOL	12DCE	BFB	DBFM
Lab Sample ID	Client Sample ID	(80-120)	(77-120)	(73-120)	(75-123)
480-120837-1	MW-110-070617	95	104	86	97
480-120837-2	MW-12-070617	88	137 X	90	99
480-120837-3	MW-1212-070617	90	140 X	84	95
480-120837-4	MW-201-070617	97	102	86	99
480-120837-5	MW-203-070617	93	107	89	96
480-120837-5 MS	MW-203-070617	85	108	95	99
480-120837-5 MSD	MW-203-070617	97	105	99	100
480-120837-6	MW-1-070617	95	114	96	96
480-120837-7	TRIP BLANK	98	104	102	103
LCS 480-367359/9	Lab Control Sample	97	109	97	97
LCS 480-367402/7	Lab Control Sample	94	104	89	97
LCS 480-367576/4	Lab Control Sample	96	97	97	98
LCS 480-367584/8	Lab Control Sample	100	98	99	100
MB 480-367359/11	Method Blank	93	100	93	93
MB 480-367402/6	Method Blank	97	100	86	96
MB 480-367576/6	Method Blank	93	103	81	102
MB 480-367584/10	Method Blank	100	98	99	100
Surrogate Legend					

TOL = Toluene-d8 (Surr)

12DCE = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

o-Xylene

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

Lab Sample ID: MB 480-367359/1	1										Cli	ent S	ample ID: Metho	d Blank
Matrix: Water													Prep Type: 1	Total/NA
Analysis Batch: 367359														
· ······		мв	МВ											
Analyte	Re	sult	Qualifier		RL		MDL	Unit		D	Prepa	ared	Analyzed	Dil Fac
Benzene		ND			1.0		0.41	ug/L					07/17/17 23:41	1
Toluene		ND			1.0		0.51	ug/L					07/17/17 23:41	1
Ethylbenzene		ND			1.0		0.74	ug/L					07/17/17 23:41	1
m-Xylene & p-Xylene		ND			2.0		0.66	ug/L					07/17/17 23:41	1
o-Xylene		ND			1.0		0.76	ug/L					07/17/17 23:41	1
Xylenes, Total		ND			2.0		0.66	ug/L					07/17/17 23:41	1
Total BTEX		ND			2.0		1.0	ug/L					07/17/17 23:41	1
		ΜВ	МВ											
Surrogate	%Reco	very	Qualifier	Limi	ts						Prepa	ared	Analyzed	Dil Fac
Toluene-d8 (Surr)	·	93		80 - 1	120					-			07/17/17 23:41	1
1,2-Dichloroethane-d4 (Surr)		100		77 - 1	120								07/17/17 23:41	1
4-Bromofluorobenzene (Surr)		93		73 - 1	120								07/17/17 23:41	1
Dibromofluoromethane (Surr)		93		75 - 1	123								07/17/17 23:41	1
										0				0
Lab Sample ID: LCS 480-367359/S	,									CI	ient Sa	impie	ID: Lab Control	Sample
Watrix: water													Prep Type: 1	otal/NA
Analysis Batch: 367359				Spike		1.08	1.00						% Baa	
Analyta				Shike		Beault	0.00	lifior	Unit		D %	Bee	%Rec.	
Analyte Bonzono				Audeu		22.0	Qua				D %		Z1 104	
Toluono				25.0		23.0			ug/L			95	71 - 124 80 122	
Ethylopzono				25.0		24.0			ug/L			90	00 - 122 77 102	
				25.0		24.0			ug/L			90	76 100	
				25.0		24.0			ug/∟			90	70 - 122	
0-Xylene				25.0		23.9			ug/L			90	70 - 122	
	LCS	LCS												
Surrogate	%Recovery	Qua	lifier	Limits										
Toluene-d8 (Surr)	97			80 - 120										
1,2-Dichloroethane-d4 (Surr)	109			77 - 120										
4-Bromofluorobenzene (Surr)	97			73 - 120										
Dibromofluoromethane (Surr)	97			75 - 123										
Lab Sample ID: MB 480-367402/6											Cli	ent S	ample ID: Metho	d Blank
Matrix: Water													Prep Type: 1	Total/NA
Analysis Batch: 367402														
		ΜВ	МВ											
Analyte	Re	sult	Qualifier		RL		MDL	Unit		D	Prepa	ared	Analyzed	Dil Fac
Benzene	·	ND			1.0		0.41	ug/L					07/18/17 10:10	1
Toluene		ND			1.0		0.51	ug/L					07/18/17 10:10	1
Ethylbenzene		ND			1.0		0.74	ug/L					07/18/17 10:10	1
m-Xylene & p-Xylene		ND			2.0		0.66	ug/L					07/18/17 10:10	1

Xylenes, Total	ND		2.0	0.66	ug/L		07/18/17 10:10	1
Total BTEX	ND		2.0	1.0	ug/L		07/18/17 10:10	1
	МВ	МВ						
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	97		80 - 120				07/18/17 10:10	1
1,2-Dichloroethane-d4 (Surr)	100		77 - 120				07/18/17 10:10	1

1.0

0.76 ug/L

ND

TestAmerica Buffalo

1

07/18/17 10:10

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MB MB

%Recovery Qualifier

86

96

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

Lab Sample ID: MB 480-367402/6

Lab Sample ID: LCS 480-367402/7

Matrix: Water

Matrix: Water

Surrogate

Analysis Batch: 367402

4-Bromofluorobenzene (Surr)

Dibromofluoromethane (Surr)

Analysis Batch: 367402

Prepared

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

Analyzed

07/18/17 10:10

07/18/17 10:10

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	25.0	23.3		ug/L		93	71 - 124	
Toluene	25.0	24.0		ug/L		96	80 - 122	
Ethylbenzene	25.0	23.9		ug/L		95	77 _ 123	
m-Xylene & p-Xylene	25.0	23.5		ug/L		94	76 _ 122	
o-Xylene	25.0	22.9		ug/L		92	76 - 122	

Limits

73 - 120

75 - 123

	LCS	LCS		
Surrogate	%Recovery	Qualifier	Limits	
Toluene-d8 (Surr)	94		80 - 120	
1,2-Dichloroethane-d4 (Surr)	104		77 - 120	
4-Bromofluorobenzene (Surr)	89		73 - 120	
Dibromofluoromethane (Surr)	97		75 - 123	

Lab Sample ID: MB 480-367576/6 Matrix: Water

Analysis Batch: 367576

МВ	MB							
Analyte Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene ND		1.0	0.41	ug/L			07/18/17 22:51	1
Toluene ND		1.0	0.51	ug/L			07/18/17 22:51	1
Ethylbenzene ND		1.0	0.74	ug/L			07/18/17 22:51	1
m-Xylene & p-Xylene ND		2.0	0.66	ug/L			07/18/17 22:51	1
o-Xylene ND		1.0	0.76	ug/L			07/18/17 22:51	1
Xylenes, Total ND		2.0	0.66	ug/L			07/18/17 22:51	1
Total BTEX ND		2.0	1.0	ug/L			07/18/17 22:51	1

	MB	МВ				
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	93		80 - 120		07/18/17 22:51	1
1,2-Dichloroethane-d4 (Surr)	103		77 - 120		07/18/17 22:51	1
4-Bromofluorobenzene (Surr)	81		73 - 120		07/18/17 22:51	1
Dibromofluoromethane (Surr)	102		75 - 123		07/18/17 22:51	1

Lab Sample ID: LCS 480-367576/4 Matrix: Water

Analysis Batch: 367576

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	25.0	23.7		ug/L		95	71 _ 124	
Toluene	25.0	24.7		ug/L		99	80 - 122	
Ethylbenzene	25.0	24.5		ug/L		98	77 _ 123	

TestAmerica Buffalo

Prep Type: Total/NA

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

Client Sample ID: Lab Control Sample

7/21/2017
Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-367576/4	Client	Client Sample ID: Lab Control Sample						
Matrix: Water			Prep Ty	pe: Total/NA				
Analysis Batch: 367576								
	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
m-Xylene & p-Xylene	25.0	24.8		ug/L		99	76 - 122	
o-Xylene	25.0	23.9		ug/L		96	76 ₋ 122	

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
Toluene-d8 (Surr)	96		80 - 120
1,2-Dichloroethane-d4 (Surr)	97		77 - 120
4-Bromofluorobenzene (Surr)	97		73 - 120
Dibromofluoromethane (Surr)	98		75_123

Lab Sample ID: 480-120837-5 MS Matrix: Water

Analysis Batch: 367576

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	5.0		25.0	27.8		ug/L		91	71 - 124	
Toluene	ND		25.0	21.4		ug/L		86	80 - 122	
Ethylbenzene	ND		25.0	23.3		ug/L		93	77 _ 123	
m-Xylene & p-Xylene	ND		25.0	22.9		ug/L		91	76 - 122	
o-Xylene	ND		25.0	22.5		ug/L		90	76 - 122	

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
Toluene-d8 (Surr)	85		80 - 120
1,2-Dichloroethane-d4 (Surr)	108		77 - 120
4-Bromofluorobenzene (Surr)	95		73 - 120
Dibromofluoromethane (Surr)	99		75 - 123

Lab Sample ID: 480-120837-5 MSD Matrix: Water

Analysis Batch: 367576											
-	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	5.0		25.0	26.9		ug/L		88	71 - 124	3	13
Toluene	ND		25.0	22.6		ug/L		90	80 - 122	5	15
Ethylbenzene	ND		25.0	22.2		ug/L		89	77 _ 123	5	15
m-Xylene & p-Xylene	ND		25.0	22.4		ug/L		90	76 - 122	2	16
o-Xylene	ND		25.0	22.3		ug/L		89	76 - 122	1	16
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
Toluene-d8 (Surr)	97		80 - 120								
1,2-Dichloroethane-d4 (Surr)	105		77 _ 120								
4-Bromofluorobenzene (Surr)	99		73 - 120								
Dibromofluoromethane (Surr)	100		75 123								

Client Sample ID: MW-203-070617

Prep Type: Total/NA

3 4 5

8

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

Lab Sample ID: MB 480-367584/10 Matrix: Water Analysis Batch: 367584											Client S	ample ID: Metho Prep Type: 1	d Blank otal/NA
		ΜВ	MB										
Analyte	Re	sult	Qualifier	RL		MDL	Unit		D	Р	repared	Analyzed	Dil Fac
Benzene		ND		1.0		0.41	ug/L					07/19/17 02:10	1
Toluene		ND		1.0		0.51	ug/L					07/19/17 02:10	1
Ethylbenzene		ND		1.0		0.74	ug/L					07/19/17 02:10	1
m-Xylene & p-Xylene		ND		2.0		0.66	ug/L					07/19/17 02:10	1
o-Xylene		ND		1.0		0.76	ug/L					07/19/17 02:10	1
Xylenes, Total		ND		2.0		0.66	ug/L					07/19/17 02:10	1
Total BTEX		ND		2.0		1.0	ug/L					07/19/17 02:10	1
		ΜВ	МВ										
Surrogate	%Reco	/ery	Qualifier	Limits						P	repared	Analyzed	Dil Fac
Toluene-d8 (Surr)		100		80 - 120								07/19/17 02:10	1
1,2-Dichloroethane-d4 (Surr)		98		77 - 120								07/19/17 02:10	1
4-Bromofluorobenzene (Surr)		99		73 _ 120								07/19/17 02:10	1
Dibromofluoromethane (Surr)		100		75 - 123								07/19/17 02:10	1
Lab Sample ID: LCS 480-367584/8									Clie	ent	Sample	ID: Lab Control	Sample
Matrix: Water												Prep Type: 1	otal/NA
Analysis Batch: 367584													
				Spike	LCS	LCS						%Rec.	
Analyte				Added	Result	Qua	lifier	Unit		D	%Rec	Limits	
Benzene				25.0	21.9			ug/L		_	88	71 - 124	
Toluene				25.0	22.7			ug/L			91	80 - 122	
Ethylbenzene				25.0	23.0			ug/L			92	77 - 123	
m-Xylene & p-Xylene				25.0	22.8			ug/L			91	76 - 122	
o-Xylene				25.0	22.4			ug/L			90	76 - 122	
	LCS	LCS											
Surrogate %F	Recovery	Qua	ifier	Limits									

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

QC Association Summary

TestAmerica Job ID: 480-120837-1

GC/MS VOA

LCS 480-367584/8

Lab Control Sample

Analysis Batch: 367359

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-120837-1	MW-110-070617	Total/NA	Water	8260C	
480-120837-4	MW-201-070617	Total/NA	Water	8260C	
/IB 480-367359/11	Method Blank	Total/NA	Water	8260C	
.CS 480-367359/9	Lab Control Sample	Total/NA	Water	8260C	
alysis Batch: 36740	02				
ab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
80-120837-5	MW-203-070617	Total/NA	Water	8260C	
80-120837-6	MW-1-070617	Total/NA	Water	8260C	
IB 480-367402/6	Method Blank	Total/NA	Water	8260C	
CS 480-367402/7	Lab Control Sample	Total/NA	Water	8260C	
nalysis Batch: 36757	76				
_ab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
80-120837-2	MW-12-070617	Total/NA	Water	8260C	
80-120837-3	MW-1212-070617	Total/NA	Water	8260C	
/IB 480-367576/6	Method Blank	Total/NA	Water	8260C	
CS 480-367576/4	Lab Control Sample	Total/NA	Water	8260C	
80-120837-5 MS	MW-203-070617	Total/NA	Water	8260C	
80-120837-5 MSD	MW-203-070617	Total/NA	Water	8260C	
alysis Batch: 36758	34				
ab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
80-120837-7	TRIP BLANK	Total/NA	Water	8260C	
√B 480-367584/10	Method Blank	Total/NA	Water	8260C	

Total/NA

Water

8260C

Client: EKI Envi	ironment & Wa	ter Inc					Те	stAmerica Job	ID: 480-120837-1
Project/Site: AV	/IS Rent A Car	- Poughkeepsie, I	NY						
Client Samp	le ID: MW-11	10-070617					Lal	b Sample ID	: 480-120837-1
Date Collected	: 07/06/17 13:3	0						-	Matrix: Water
Date Received:	: 07/11/17 09:0	0							
_	Batch	Batch		Dilution	Batch	Prepared			
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab	
Total/NA	Analysis	8260C		1	367359	07/18/17 05:27	KMN	TAL BUF	
Client Samp	le ID: MW-12	2-070617					Lal	b Sample ID	: 480-120837-2
Date Collected	: 07/06/17 14:2	0						-	Matrix: Water
Date Received:	: 07/11/17 09:0	0							
_	Batch	Batch		Dilution	Batch	Prepared			
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab	
Total/NA	Analysis	8260C		1	367576	07/18/17 23:52	KMN	TAL BUF	
Client Samp	le ID: MW-12	212-070617					Lal	b Sample ID	: 480-120837-3
Date Collected	: 07/06/17 14:2	5						-	Matrix: Water
Date Received:	: 07/11/17 09:0	0							
_	Batch	Batch		Dilution	Batch	Prepared			
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab	
Total/NA	Analysis	8260C		1	367576	07/19/17 00:15	KMN	TAL BUF	
Client Samp	le ID: MW-20	01-070617					Lal	b Sample ID	: 480-120837-4
Date Collected	: 07/06/17 16:3	0						-	Matrix: Water
Date Received:	: 07/11/17 09:0	0							
_	Batch	Batch		Dilution	Batch	Prepared			
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab	
Total/NA	Analysis	8260C		1	367359	07/18/17 06:36	KMN	TAL BUF	
Client Samp	le ID: MW-20	03-070617					Lal	b Sample ID	: 480-120837-5
Date Collected	: 07/06/17 17:1	5							Matrix: Water
Date Received:	: 07/11/17 09:0	0							
_	Batch	Batch		Dilution	Batch	Prepared			
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab	
Total/NA	Analysis	8260C		1	367402	07/18/17 17:10	ARS	TAL BUF	
Client Samp	le ID: MW-1-	070617					La	b Sample ID	: 480-120837-6
Date Collected	: 07/06/17 18:1 : 07/11/17 09:00	5 0							Matrix: Water
_	Det-h	- Deteb		Dilution	D-4-1	Duez			
Pren Type	Batch	Batch Method	Run	Factor	Batch	or Analyzed	∆nalvet	lah	
	Analysis		i\uii	1	367402	07/18/17 17:33	ARS		
	7 1 1 1 1 2 3 3 3	02000		1	501-02	01110/11 11.00	7.1.0		

Client Samp	le ID: TRIP I	BLANK					Lat	Sample II	D: 480-120837-7
Date Collected	: 07/06/17 00:0	0							Matrix: Water
Date Received	07/11/17 09:0	0							
Γ	Batch	Batch		Dilution	Batch	Prepared			
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab	
Total/NA	Analysis	8260C		1	367584	07/19/17 06:42	JAS	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 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	03-31-18
The following analytes	are included in this report, bu	t accreditation/certificat	ion is not offered by th	ne governing authority:	
The following analytes Analysis Method	are included in this report, bu Prep Method	t accreditation/certificat Matrix	ion is not offered by th Analyt	ne governing authority: te	

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

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	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

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

TestAmerica Job ID: 480-120837-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	
480-120837-1	MW-110-070617	Water	07/06/17 13:30	07/11/17 09:00	
480-120837-2	MW-12-070617	Water	07/06/17 14:20	07/11/17 09:00	
480-120837-3	MW-1212-070617	Water	07/06/17 14:25	07/11/17 09:00	5
480-120837-4	MW-201-070617	Water	07/06/17 16:30	07/11/17 09:00	
480-120837-5	MW-203-070617	Water	07/06/17 17:15	07/11/17 09:00	
480-120837-6	MW-1-070617	Water	07/06/17 18:15	07/11/17 09:00	
480-120837-7	TRIP BLANK	Water	07/06/17 00:00	07/11/17 09:00	
					8
					9
					1
					1

Chain of	Temperature on Receip	Te	stAmerica	
Custody Record	Drinking Water? Yes□	THE LE	EADER IN ENVIRONMENTAL TESTING	480-120837 COC
Client EKI ENVLIRENTMENT & WATER INC	Project Manager	O AUGRIC	Date	Chain of Custody Number
Adress Adress A. RPORT BLUD SUITE 500	0 Telephone Number (Area Coo	de)/Fax Number	Lab Number	Page of
City SURLINGAME CA 94010	Site Contact	Lab Contact MASSA	Analysis (Attach list if more space is needed)	
Project Name and Location (State) H VI 5 Pout (State)	Carrier/Waybill Number		C 19E92	Snecial Instructions/
Contract/Purchase Order/Quote No.	Matrix	Containers & Preservatives		Conditions of Receipt
Sample I.D. No. and Description (Containers for each sample may be combined on one line) Date	IIOS pas suoanay ylu ylu	HOBN />VUZ HOEN IOH EONH \$OSZH soudun	'SM 218	
MW-110-070617 716/17	13:30 X	m	X	
711912 TIBOTO - EI - MM	X OR HI	3	8	ODeR
71/1/7 170617 71/1/1 0	X SOCHI	3	X	ACR ODer
MW-201-02617 7117	(6:30 X	8	X	
21/1/2 C10010 - 2 0 MW 20	(7:15 N	9	XX	
L1/9/4 L19020-1- NW 21	18:15 X	~	X	Her and
TRIP BUANK	4	2	×	
Possible Hazard Identification	Sample Disposal	int Processal By Lab	Archive For Months Innee than 1 m	ssessed if samples are retained
Turn Around Time Required 14 Days 21 Days 21 Days	tys	ac Requirements (Specify	ONTA DAVERABLE FA	NYSPEC
1. Helingularia R. Lung	Time of 10 with 16 of	1. Received By	1 VV	7/11/17 Time COU
2. Hälinquished By	Date	2. Hecened By		Date
3. Relinquished By	Date	3. Received By		Date
Comments Comments			26	4
DISTRIBUTION: WHITE - Returned to Client with Report: CAMARY - Stays	s with the Sample; PINK - Field Co	λc	CC-	-

Client: EKI Environment & Water Inc

Login Number: 120837 List Number: 1

Creator: Wallace, Cameron

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	EKI
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

List Source: TestAmerica Buffalo