PERIODIC REVIEW REPORT
JULY 1, 2012, TO JUNE 30, 2015

Former Drive & Park, Inc. Site
Brownfield Cleanup Program #C314111
28 IBM Road
Poughkeepsie, New York

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

Prepared by

45 Exchange Street
Suite 200
Portland, ME 04101

August 10, 2015

CONTENTS

LIST OF FIGURES

LIST OF TABLES

ACRONYMS AND ABBREVIATIONS

Avis	Avis Rent A Car System, Inc.
NYSDEC	New York State Department of Environmental Conservation
PRR	Periodic Review Report
SMP	Site Management Plan
UST	underground storage tank

EXECUTIVE SUMMARY

The site is located at 28 IBM Road in the Town of Poughkeepsie 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 July 1, 2012, to June 30, 2015. One previous Periodic Review Report has been submitted for the site, covering the 18-month period ending June 30, 2012 (Integral 2012).

In accordance with the SMP, the site is inspected and groundwater is monitored every five quarters. The site was inspected and groundwater monitoring was conducted three times during the current reporting period, on September 13 and 14, 2012; October 16 and 17, 2013; and March 30 and 31, 2015. Based on observations and interviews, 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.

No changes to the SMP are recommended.

1 SITE OVERVIEW

1.1 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 and 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 almost entirely covered by the building and associated asphalt-paved parking areas. There are several small vegetated and/or landscaped areas along the perimeter.

1.2 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 5,000-gallon USTs were installed in place of, and at the same location as, those removed in 1986.

At the time of the release, the site was owned by Broad Act Corporation and 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.

1.3 REMEDIAL HISTORY

1.3.1 Remedial Actions

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

- Removal of floating free product from the surface of the water table in the area of the former Drive & Park, Inc. USTs using high vacuum extraction
- Excavation of approximately 23,900 tons of soil exceeding unrestricted-use soil cleanup objectives, to depths ranging from approximately 8 to 15 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
- 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).

1.3.2 Remedial Goals and Institutional and Engineering Controls

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

Institutional Controls

- Compliance with an environmental easement and the SMP by the grantor and the grantor's successors and assigns. The environmental easement enacted the following restrictions:
  - The property may only be used for commercial/industrial use provided that the long-term engineering and institutional controls included in the SMP are employed.

  - All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP.
  - The use of 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 December 31, 2010.

2 REMEDY PERFORMANCE, EFFECTIVENESS, AND PROTECTIVENESS

The site remedy is described in Section 1.3. The site was inspected and groundwater was monitored three times during the reporting period to confirm that the remedy is meeting the remedial goals: preventing ingestion of groundwater containing contaminant levels exceeding drinking water standards and preventing human exposure to contaminants remaining in soil. The findings of the inspections are summarized below:

- Concentrations of contaminants in onsite and offsite groundwater monitoring wells are stable or declining.
- No free product was observed in onsite or offsite monitoring wells.
- The site was used for commercial purposes only.
- Groundwater at the site was not used for any purpose.
- The conditions of the environmental easement were met.
- 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 July 1, 2012, to June 30, 2015. The Qualified Environmental Professional Certification and a copy of the Completed Site Inspection Forms for the site are included as Appendix A.

3 INSTITUTIONAL AND ENGINEERING CONTROL PLAN COMPLIANCE REPORT

As described in Section 1.3.2, institutional and engineering controls are in place at the site to achieve the remedial goals.

3.1 INSTITUTIONAL CONTROL REQUIREMENTS AND COMPLIANCE

3.1.1 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, and this objective has been met during the review period. The site was inspected by a qualified environmental professional on September 14, 2012; October 17, 2013; and March 30, 2015. 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.

3.1.2 Operation and Maintenance of Engineering Controls

Engineering controls consist of the site cover system and the monitoring well network and are discussed in Section 3.2 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.

3.1.3 Inspection of Engineering Controls

Engineering controls consist of the site cover system and the monitoring well network and are discussed in Section 3.2 below. These engineering controls were inspected in September 2012, October 2013, and March 2015 during the reporting period, in accordance with the SMP.

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

3.1.4 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 September 2012, October 2013, and March 2015 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 4 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.

3.1.5 Data and Information Reporting

Reporting of data and information obtained during the reporting period consists of the Periodic Review Reports (PRRs). This PRR is the second 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.

3.2 ENGINEERING CONTROLS REQUIREMENTS AND COMPLIANCE

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

3.2.1 Site Cover System

The objective of the site cover system is to prevent exposure to remaining contamination at the site. The site was inspected by a qualified environmental professional on September 14, 2012; October 17, 2013; and March 30, 2015. 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.

Based on observations made during the site inspection and interviews with the site manager, the site cover system remains intact, and no corrective measures are recommended.

3.2.2 Monitored Natural Attenuation

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

All onsite and offsite monitoring wells used in the monitoring program were inspected during the site visits in September 2012, October 2013, and March 2015 and were found to be undamaged and functional. The monitoring well network used to monitor natural attenuation at the site remains functional, and no corrective measures are recommended.

4 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.

4.1 GROUNDWATER MONITORING

4.1.1 Groundwater Level Measurement

Water levels were measured in all onsite and offsite monitoring wells in September 2012, October 2013, and March 2015. 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 corresponding well casings. No separate-phase hydrocarbons were observed in any of the wells during this monitoring event.

A representative potentiometric surface map from October 17, 2013, 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.

4.1.2 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 September 13, 2012; October 17, 2013; and March 31, 2015.

Before samples were collected, depth-to-water was measured using an electronic water level meter, and each well was purged using either a peristaltic pump and dedicated polyethylene tubing or a submersible pump and dedicated polyethylene tubing (4-in. well MW-1 only). The submersible pump was decontaminated before use by washing it in distilled water and Alconox® detergent, followed by a double distilled water rinse. 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 or a Horiba U-52 water quality meter equipped with a flow-through cell and recorded. Once the field parameters stabilized, and at least three casing volumes had been purged, groundwater samples were collected using new, clean disposable bailers and transferred 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 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, D, and E.

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

4.1.3 Groundwater Analytical Results

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 (all three sampling events) and MW-203 (2015 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 detected in the samples collected from wells MW-12 (2012 and 2015 sampling events only) and MW-203 (2015 sampling event only) during the reporting period. Toluene 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.

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

Benzene, toluene, ethylbenzene, and total xylenes were not detected at or above their laboratory reporting limits (1.0 µg/L for benzene, toluene, and ethylbenzene; 2.0 µg/L for total xylenes) in the samples collected from wells MW-110 and MW-201 in any of the groundwater sampling events.

The concentration of benzene exceeded the NYSDEC groundwater quality standard in wells MW-12 (2013 and 2015 sampling events only) and MW-203 (2015 sampling event only). The concentration of toluene exceeded the NYSDEC groundwater quality standard in well MW-12 (2015 sampling event only). The concentration of ethylbenzene exceeded the NYSDEC groundwater quality standard in wells MW-1 (2015 sampling event only) and MW-12 (2012 and

2015 sampling events only). The concentration of total xylenes exceeded the NYSDEC groundwater quality standard in wells MW-1 (2013 and 2015 events only) and MW-12 (all three 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.

4.2 COVER SYSTEM MONITORING

The cover system was inspected on September 14, 2012; October 17, 2013; and March 30, 2015. 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.

4.3 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.

5 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, 2015, to June 30, 2018. Site inspections and groundwater monitoring will be conducted in the spring of 2016 and the summer of 2017. The result of the site inspection and the groundwater monitoring will be reported in the next PRR. The next PRR will be submitted to NYSDEC in August 2018.

6 REFERENCES

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

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

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

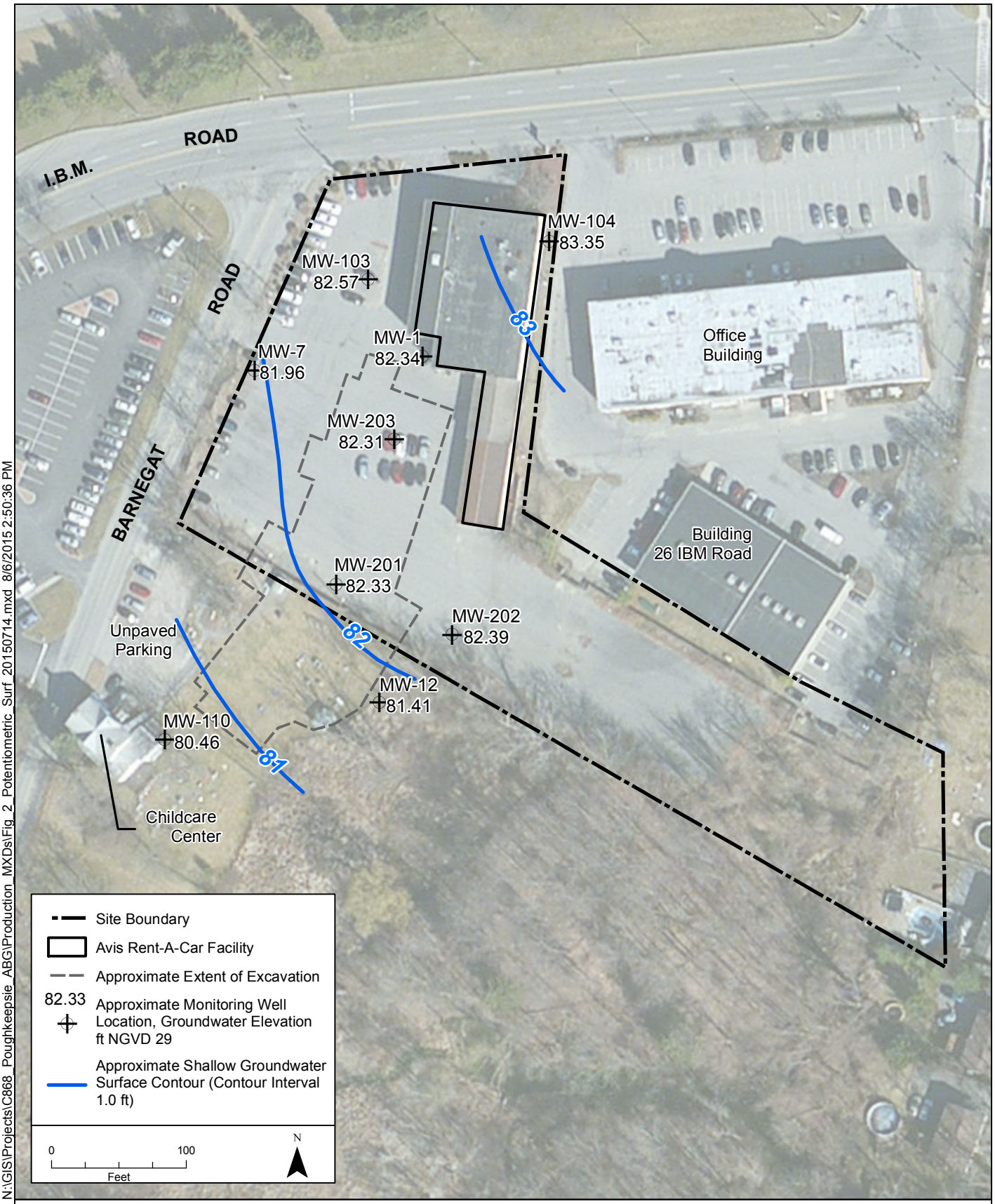
Integral. 2012. Periodic Review Report, Former Drive & Park, Inc. Site, Brownfield Cleanup Program #C314111, 28 IBM Road, Poughkeepsie, New York. December. Integral Consulting Inc., Larkspur, CA.

FIGURES

Basemap from U.S.G.S. Poughkeepsie, New York (1982) 7.5' topographic quadrangle.

integral consulting inc.

Figure 1.
Site Location Map
Former Drive & Park, Inc. Site
28 IBM Road
Poughkeepsie, New York



N:\GIS\Projects\C868_Poughkeepsie_ABG\Production_MXDs\Fig_2_Potentiometric_Surf_20150714.mxd 8/6/2015 2:50:36 PM

integral consulting inc.

Note:
Elevations of wells from Morris & Associates.
Background Imagery from USDA FSA, August 5, 2013.

Figure 2.
Potentiometric Surface Map, October 17, 2013
Former Drive & Park, Inc. Site
28 IBM Road
Poughkeepsie, New York

TABLES

Table 1. Monitoring Program Summary

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

Table 2. Summary of Post-excavation Chemical Analysis Results for Groundwater[a]

Well ID	Sample ID	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
MW-1	MW-1-062106	06/21/06	**10.9**	**8.6 J**	**163**	**676**
	MW-1-092206	09/22/06	**8**	**3.1**	**92.3**	**374**
	MW-1-121506	12/15/06	**7.7**	**1.5**	**25.7**	**204**
	MW-1-022207	02/22/07	**6.8**	<1.0	**2.3**	**60.3**
	MW-1-060707	06/07/07	**4.6**	**2.4**	**79.7**	**804**
	MW-1-092707	09/27/07	**7.6**	<1.0	**15.2**	**43.5**
	MW-1-102108	10/21/08	**4 J**	**0.5 J**	**68 J**	**130 J**
	MW-1-021810	02/18/10	<1.0	<1.0	**14**	**43**
	MW-1-051111	05/11/11	**1.0**	<1.0	**45**	**280**
	MW-1-091312	09/13/12	<1.0	<1.0	**3.7**	**4.6**
	MW-1-101713	10/17/13	<1.0	<1.0	**1.6**	**19**
	MW-1-033115	03/31/15	<1.0	<1.0	**27**	**59**
MW-12	MW-12-062106 / DUP[b]	06/21/06	**313**	**166 J**	**43.2**	**1,010**
	MW-12-092106 / DUP[b]	09/21/06	**333**	**265**	**618**	**1,820**
	MW-12-121406 / DUP[b]	12/14/06	**119**	**12.4**	**235**	**312**
	MW-12-022207 /DUP[b]	02/22/07	**220 J**	**31.8**	**493 J**	**1130 J**
	MW-12-060707 / DUP[b]	06/07/07	**184**	**35.3**	**509**	**846**
	MW-12-027707 / DUP[b]	09/27/07	**337**	**99.9**	**963**	**1,570**
	MW-12-102108 / DUP[b]	10/21/08	**31 J**	**14 J**	**148 J**	**238 J**
	MW-12-021810 / DUP[b]	02/18/10	**7**	**2.9**	**10**	**19**
	MW-12-051211/DUP[b]	05/11/11	**29**	**17**	**140**	**390**
	MW-12-091312/DUP[b]	09/13/12	**10**	**4.8 J**	**14**	**74**
	MW-12-101713/DUP[b]	10/17/13	**1.0**	<1.0	**3.5**	**5.0**
	MW-12-033115/DUP[b]	03/31/15	**13.0**	**7.7**	**75**	**78**
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-201	MW-201-062106	06/21/06	**8.7**	<1.0 UJ	<1.0	<3.0
	MW-201-092106	09/21/06	<1.0	<1.0	<1.0	<3.0
	MW-201-121406	12/14/06	<1.0	<1.0	<1.0	<3.0
	MW-201-022307	02/23/07	<1.0	<1.0	<1.0	<3.0
	MW-201-060607	06/06/07	<1.0	<1.0	<1.0	<3.0
	MW-201-092607	09/26/07	<1.0	<1.0	<1.0	<3.0
	MW-201-102108	10/21/08	<1	<1	<1	<2
	MW-201-021810	02/18/10	<1.0	<1.0	<1.0	<2.0
	MW-201-051111	05/11/11	<1.0	<1.0	<1.0	<2.0
	MW-201-091312	09/13/12	<1.0	<1.0	<1.0	<2.0
	MW-201-101713	10/17/13	<1.0	<1.0	<1.0	<2.0
	MW-201-033115	03/31/15	<1.0	<1.0	<1.0	<2.0
MW-203	MW-203-062106	06/21/06	**3.1**	<1.0 UJ	<1.0	**9.6**
	MW-203-092106	09/21/06	**73.9**	<1.0	<1.0	<3.0
	MW-203-121406	12/14/06	**88.4**	<1.0	**5.0**	**9.4**
	MW-203-022207	02/22/07	**94.8**	<1.0	**14**	**18.2**
	MW-203-060707	06/07/07	**46.8**	**2.4**	**16.4**	**12.4**
	MW-203-092707	09/27/07	**60.5**	**1.4**	**65.2**	<3.0
	MW-203-102108	10/21/08	**97 J**	<3	**2 J**	**3 J**
	MW-203-021810	02/18/10	**27**	<1.0	<1.0	<2.0
	MW-203-051111	05/11/11	**25**	**1.7**	**120**	**26**
	MW-203-091312	09/13/12	<1.0	<1.0	<1.0	<2.0
	MW-203-101713	10/17/13	<1.0	<1.0	<1.0	<2.0
	MW-203-033115	03/31/15	**5.8**	0.53 J	<1.0	<2.0
NYSDEC Groundwater 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.

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

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

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

APPENDIX A

QUALIFIED ENVIRONMENTAL PROFESSIONAL CERTIFICATION AND SITE INSPECTION FORM

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; and
- 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 Integral Consulting, Inc., at 45 Exchange Street in Portland, Maine, 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.

David S. Averill
Senior Scientist
Integral Consulting, Inc.
7/28/2015

Site Inspection Form

Former Drive & Park, Inc. 28 IBM Road Poughkeepsie, NY BCP #C314111	Date: 9/14/2012 Printed Name of Inspector: DAVID ARRIVA Signature:

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

2. Provide a general description of site conditions. SAME AS IN PAST 5+ YEARS. CARS RENTED + WASHED ON SITE. NO REFUELING. WASHING TAKES PLACE IN GARAGE BAY W/ FLOOR DRAIN, DISCHARGE TO MUNICIPAL SEWER.

3. Provide a general evaluation of the condition of monitoring wells.
FAIR TO GOOD CONDITION.

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. NO

6. Identify site management activities being conducted (i.e., groundwater sampling).
GROUNDWATER SAMPLING (9/13-14/2012)

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

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

Site Inspection Form

Former Drive & Park, Inc. 28 IBM Road Poughkeepsie, NY BCP #C314111	Date: 10/17/2013 Printed Name of Inspector: DAVID AUDRILL Signature: David Audrill

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

YES

2. Provide a general description of site conditions.

COMMERCIAL BLDG, PAVED PARKING. ONLY CHANGES TO BUILDING/LOT ARE NEW FENCE ALONG BARNEGAT ROAD AND NEW SIGN ON BLDG. SOME SAND, LEAF BUILDUP ALONG SOUTH-CENTER LOT LINE.

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

GOOD - ALL WELLS ARE SERVICABLE, WITH TIGHT CAPS AND UNDAMAGED MANHOLES.

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

NO DAMAGE TO SITE COVER.

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.

FENCE INSTALLED IN LANDSCAPED AREA ALONG BARNEGAT ROAD. POST HOLES DUG BY HAND, SOIL SPREAD IN AREA OF FENCE. OUTSIDE AREA OF CONTAMINATED SOIL, SHALLOW HOLES. (DUG W/ MANUAL POST HOLE DIGGER)
NO OTHER INTRUSIVE WORK

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

GROUNDWATER SAMPLING, WATER LEVELS, SITE 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

Former Drive & Park, Inc. 28 IBM Road Poughkeepsie, NY BCP #C314111	Date: MARCH 30, 2015 Printed Name of Inspector: DAVID AVERILL Signature:

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

YES

2. Provide a general description of site conditions.

UNCHANGED. AVIS/BUDGET CAR RENTAL. CAR WASHING, NO FUELING/MAINT. NO TENANTS

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

GOOD. REPLACED ONE STUCK CAP.

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

NO.

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

No

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

GROUNDWATER SAMPLING, WELL INSPECTION, SITE 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

APPENDIX B

INSTITUTIONAL AND ENGINEERING CONTROLS CERTIFICATION FORM

Enclosure 2

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

Site Details **Box 1**

Site No. C314111

Site Name Former Drive & Park Inc. Site

Site Address: 28 IBM Road Zip Code: 12601-
City/Town: Poughkeepsie
County: Dutchess
Site Acreage: 2.7

Reporting Period: July 01, 2012 to ~~July 15, 2015~~ June 30, 2015

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

Box 2

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

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

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

Signature of Owner, Remedial Party or Designated Representative

Date

Box 2A

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

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

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

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

SITE NO. C314111

Box 3

Description of Institutional Controls

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

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

Box 4

Description of Engineering Controls

Parcel	Engineering Control
6060-4-903139	Cover System

Box 5

Periodic Review Report (PRR) Certification Statements

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

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

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

YES	NO
☒	☐

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

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

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

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

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

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

YES	NO
☒	☐

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

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

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 PELINO (print name) at 6 SYLVAN WAY, PARSIPPANY, NJ (print business address),

am certifying as AVIS RENT A CAR SYSTEM, LLC (Owner or Remedial Party)

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

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

Date 8/6/15

IC/EC CERTIFICATIONS

Box 7

Qualified Environmental Professional Signature

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

I DAVID S. AVERILL (print name) at INTEGRAL CONSULTING INC 45 EXCHANGE ST PORTLAND, ME 04101 (print business address)

am certifying as a Qualified Environmental Professional for the AVIS RENT A CAR SYSTEM, LLC (Owner or Remedial Party)

Signature of Qualified Environmental Professional, for the Owner or Remedial Party, Rendering Certification	Stamp (Required for PE)	Date
		7/28/2015

APPENDIX C

LABORATORY ANALYTICAL REPORT AND CHAIN-OF-CUSTODY RECORD FOR GROUNDWATER SAMPLES, SUMMER 2012

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 480-25179-1
Client Project/Site: AVIS Rent-A-Car

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

Attn: Mr. David Averill

Candace L. Fox

Authorized for release by:
9/20/2012 1:43:41 PM

Candace Fox
Project Manager II
candace.fox@testamericainc.com

Table of Contents

Definitions/Glossary

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

TestAmerica Job ID: 480-25179-1

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

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
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 480-25179-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-25179-1

Comments
No additional comments.

Receipt
The samples were received on 9/15/2012 9:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice.
The temperature of the cooler at receipt was 2.7º C.

GC/MS VOA
Method(s) 8260B: The following volatiles samples were diluted due to foaming at the time of purging during the original sample analysis: MW-12-091312 (480-25179-2), MW-1212-091312 (480-25179-3). Elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

Detection Summary

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

TestAmerica Job ID: 480-25179-1

Client Sample ID: MW-110-091312 — Lab Sample ID: 480-25179-1

No Detections

Client Sample ID: MW-12-091312 — Lab Sample ID: 480-25179-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	10		5.0	2.1	ug/L	5		8260B	Total/NA
Toluene	4.5	J	5.0	2.6	ug/L	5		8260B	Total/NA
Ethylbenzene	14		5.0	3.7	ug/L	5		8260B	Total/NA
m-Xylene & p-Xylene	68		10	3.3	ug/L	5		8260B	Total/NA
o-Xylene	6.2		5.0	3.8	ug/L	5		8260B	Total/NA
Xylenes, Total	74		10	3.3	ug/L	5		8260B	Total/NA

Client Sample ID: MW-1212-091312 — Lab Sample ID: 480-25179-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	10		5.0	2.1	ug/L	5		8260B	Total/NA
Toluene	4.8	J	5.0	2.6	ug/L	5		8260B	Total/NA
Ethylbenzene	14		5.0	3.7	ug/L	5		8260B	Total/NA
m-Xylene & p-Xylene	68		10	3.3	ug/L	5		8260B	Total/NA
o-Xylene	6.3		5.0	3.8	ug/L	5		8260B	Total/NA
Xylenes, Total	74		10	3.3	ug/L	5		8260B	Total/NA

Client Sample ID: MW-201-091312 — Lab Sample ID: 480-25179-4

No Detections

Client Sample ID: MW-203-091312 — Lab Sample ID: 480-25179-5

No Detections

Client Sample ID: MW-1-091312 — Lab Sample ID: 480-25179-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	3.7		1.0	0.74	ug/L	1		8260B	Total/NA
m-Xylene & p-Xylene	4.6		2.0	0.66	ug/L	1		8260B	Total/NA
Xylenes, Total	4.6		2.0	0.66	ug/L	1		8260B	Total/NA

Client Sample ID: TRIP BLANK — Lab Sample ID: 480-25179-8

No Detections

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

TestAmerica Job ID: 480-25179-1

Client Sample ID: MW-110-091312

Lab Sample ID: 480-25179-1

Date Collected: 09/13/12 13:00

Matrix: Water

Date Received: 09/15/12 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			09/17/12 13:15	1
Toluene	ND		1.0	0.51	ug/L			09/17/12 13:15	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/17/12 13:15	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			09/17/12 13:15	1
o-Xylene	ND		1.0	0.76	ug/L			09/17/12 13:15	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/17/12 13:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*66 - 137*		*09/17/12 13:15*	*1*
Toluene-d8 (Surr)	*112*		*71 - 126*		*09/17/12 13:15*	*1*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*09/17/12 13:15*	*1*

Client Sample ID: MW-12-091312

Lab Sample ID: 480-25179-2

Date Collected: 09/13/12 16:00

Matrix: Water

Date Received: 09/15/12 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**10**		5.0	2.1	ug/L			09/17/12 13:37	5
Toluene	**4.5**	**J**	5.0	2.6	ug/L			09/17/12 13:37	5
Ethylbenzene	**14**		5.0	3.7	ug/L			09/17/12 13:37	5
m-Xylene & p-Xylene	**68**		10	3.3	ug/L			09/17/12 13:37	5
o-Xylene	**6.2**		5.0	3.8	ug/L			09/17/12 13:37	5
Xylenes, Total	**74**		10	3.3	ug/L			09/17/12 13:37	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*66 - 137*		*09/17/12 13:37*	*5*
Toluene-d8 (Surr)	*110*		*71 - 126*		*09/17/12 13:37*	*5*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*09/17/12 13:37*	*5*

Client Sample ID: MW-1212-091312

Lab Sample ID: 480-25179-3

Date Collected: 09/13/12 16:05

Matrix: Water

Date Received: 09/15/12 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**10**		5.0	2.1	ug/L			09/17/12 13:58	5
Toluene	**4.8**	**J**	5.0	2.6	ug/L			09/17/12 13:58	5
Ethylbenzene	**14**		5.0	3.7	ug/L			09/17/12 13:58	5
m-Xylene & p-Xylene	**68**		10	3.3	ug/L			09/17/12 13:58	5
o-Xylene	**6.3**		5.0	3.8	ug/L			09/17/12 13:58	5
Xylenes, Total	**74**		10	3.3	ug/L			09/17/12 13:58	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*66 - 137*		*09/17/12 13:58*	*5*
Toluene-d8 (Surr)	*112*		*71 - 126*		*09/17/12 13:58*	*5*
4-Bromofluorobenzene (Surr)	*109*		*73 - 120*		*09/17/12 13:58*	*5*

Client Sample ID: MW-201-091312

Lab Sample ID: 480-25179-4

Date Collected: 09/13/12 16:55

Matrix: Water

Date Received: 09/15/12 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			09/17/12 14:19	1
Toluene	ND		1.0	0.51	ug/L			09/17/12 14:19	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/17/12 14:19	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			09/17/12 14:19	1
o-Xylene	ND		1.0	0.76	ug/L			09/17/12 14:19	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/17/12 14:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*66 - 137*		*09/17/12 14:19*	*1*
Toluene-d8 (Surr)	*111*		*71 - 126*		*09/17/12 14:19*	*1*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*09/17/12 14:19*	*1*

Client Sample ID: MW-203-091312

Lab Sample ID: 480-25179-5

Date Collected: 09/13/12 17:50

Matrix: Water

Date Received: 09/15/12 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			09/17/12 15:23	1
Toluene	ND		1.0	0.51	ug/L			09/17/12 15:23	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/17/12 15:23	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			09/17/12 15:23	1
o-Xylene	ND		1.0	0.76	ug/L			09/17/12 15:23	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/17/12 15:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*66 - 137*		*09/17/12 15:23*	*1*
Toluene-d8 (Surr)	*110*		*71 - 126*		*09/17/12 15:23*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*09/17/12 15:23*	*1*

Client Sample ID: MW-1-091312

Lab Sample ID: 480-25179-6

Date Collected: 09/14/12 10:10

Matrix: Water

Date Received: 09/15/12 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			09/17/12 15:44	1
Toluene	ND		1.0	0.51	ug/L			09/17/12 15:44	1
Ethylbenzene	**3.7**		1.0	0.74	ug/L			09/17/12 15:44	1
m-Xylene & p-Xylene	**4.6**		2.0	0.66	ug/L			09/17/12 15:44	1
o-Xylene	ND		1.0	0.76	ug/L			09/17/12 15:44	1
Xylenes, Total	**4.6**		2.0	0.66	ug/L			09/17/12 15:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*66 - 137*		*09/17/12 15:44*	*1*
Toluene-d8 (Surr)	*108*		*71 - 126*		*09/17/12 15:44*	*1*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*09/17/12 15:44*	*1*

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

TestAmerica Job ID: 480-25179-1

Client Sample ID: TRIP BLANK
Date Collected: 09/14/12 00:00
Date Received: 09/15/12 09:00

Lab Sample ID: 480-25179-8
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			09/17/12 16:06	1
Toluene	ND		1.0	0.51	ug/L			09/17/12 16:06	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/17/12 16:06	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			09/17/12 16:06	1
o-Xylene	ND		1.0	0.76	ug/L			09/17/12 16:06	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/17/12 16:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*66 - 137*		*09/17/12 16:06*	*1*
Toluene-d8 (Surr)	*113*		*71 - 126*		*09/17/12 16:06*	*1*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*09/17/12 16:06*	*1*

Surrogate Summary

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

TestAmerica Job ID: 480-25179-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
		12DCE	TOL	BFB
Lab Sample ID	Client Sample ID	(66-137)	(71-126)	(73-120)
480-25179-1	MW-110-091312	98	112	106
480-25179-2	MW-12-091312	101	110	106
480-25179-3	MW-1212-091312	102	112	109
480-25179-4	MW-201-091312	97	111	106
480-25179-4 MS	MW-201-091312	100	111	107
480-25179-4 MSD	MW-201-091312	99	110	105
480-25179-5	MW-203-091312	100	110	103
480-25179-6	MW-1-091312	98	108	104
480-25179-8	TRIP BLANK	99	113	106
LCS 480-80849/4	Lab Control Sample	96	111	110
LCS 480-81164/4	Lab Control Sample	100	109	105
MB 480-80849/5	Method Blank	96	113	107
MB 480-81164/5	Method Blank	98	111	105

Surrogate Legend

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

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-80849/5
Matrix: Water
Analysis Batch: 80849

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			09/17/12 11:22	1
Toluene	ND		1.0	0.51	ug/L			09/17/12 11:22	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/17/12 11:22	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			09/17/12 11:22	1
o-Xylene	ND		1.0	0.76	ug/L			09/17/12 11:22	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/17/12 11:22	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*66 - 137*		*09/17/12 11:22*	*1*
Toluene-d8 (Surr)	*113*		*71 - 126*		*09/17/12 11:22*	*1*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*		*09/17/12 11:22*	*1*

Lab Sample ID: LCS 480-80849/4
Matrix: Water
Analysis Batch: 80849

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	25.0	23.3		ug/L		93	71 - 124
Toluene	25.0	24.5		ug/L		98	80 - 122
Ethylbenzene	25.0	25.2		ug/L		101	77 - 123
m-Xylene & p-Xylene	50.0	52.0		ug/L		104	76 - 122
o-Xylene	25.0	25.2		ug/L		101	76 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*96*		*66 - 137*
Toluene-d8 (Surr)	*111*		*71 - 126*
4-Bromofluorobenzene (Surr)	*110*		*73 - 120*

Lab Sample ID: MB 480-81164/5
Matrix: Water
Analysis Batch: 81164

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			09/18/12 22:06	1
Toluene	ND		1.0	0.51	ug/L			09/18/12 22:06	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/18/12 22:06	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			09/18/12 22:06	1
o-Xylene	ND		1.0	0.76	ug/L			09/18/12 22:06	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/18/12 22:06	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*66 - 137*		*09/18/12 22:06*	*1*
Toluene-d8 (Surr)	*111*		*71 - 126*		*09/18/12 22:06*	*1*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*09/18/12 22:06*	*1*

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

Lab Sample ID: LCS 480-81164/4
Matrix: Water
Analysis Batch: 81164

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			25.0	24.2		ug/L		97	71 - 124		
Toluene			25.0	24.5		ug/L		98	80 - 122		
Ethylbenzene			25.0	24.8		ug/L		99	77 - 123		
m-Xylene & p-Xylene			50.0	51.6		ug/L		103	76 - 122		
o-Xylene			25.0	24.8		ug/L		99	76 - 122		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*66 - 137*
Toluene-d8 (Surr)	*109*		*71 - 126*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*

Lab Sample ID: 480-25179-4 MS
Matrix: Water
Analysis Batch: 81164

Client Sample ID: MW-201-091312
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	ND		25.0	26.0		ug/L		104	71 - 124		
Toluene	ND		25.0	26.5		ug/L		106	80 - 122		
Ethylbenzene	ND		25.0	27.0		ug/L		108	77 - 123		
m-Xylene & p-Xylene	ND		50.0	55.2		ug/L		110	76 - 122		
o-Xylene	ND		25.0	26.5		ug/L		106	76 - 122		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*66 - 137*
Toluene-d8 (Surr)	*111*		*71 - 126*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*

Lab Sample ID: 480-25179-4 MSD
Matrix: Water
Analysis Batch: 81164

Client Sample ID: MW-201-091312
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	ND		25.0	26.2		ug/L		105	71 - 124	1	13
Toluene	ND		25.0	26.8		ug/L		107	80 - 122	1	15
Ethylbenzene	ND		25.0	27.3		ug/L		109	77 - 123	1	15
m-Xylene & p-Xylene	ND		50.0	55.6		ug/L		111	76 - 122	1	16
o-Xylene	ND		25.0	26.6		ug/L		107	76 - 122	0	16

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*66 - 137*
Toluene-d8 (Surr)	*110*		*71 - 126*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*

QC Association Summary

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

TestAmerica Job ID: 480-25179-1

GC/MS VOA

Analysis Batch: 80849

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-25179-1	MW-110-091312	Total/NA	Water	8260B	
480-25179-2	MW-12-091312	Total/NA	Water	8260B	
480-25179-3	MW-1212-091312	Total/NA	Water	8260B	
480-25179-4	MW-201-091312	Total/NA	Water	8260B	
480-25179-5	MW-203-091312	Total/NA	Water	8260B	
480-25179-6	MW-1-091312	Total/NA	Water	8260B	
480-25179-8	TRIP BLANK	Total/NA	Water	8260B	
LCS 480-80849/4	Lab Control Sample	Total/NA	Water	8260B	
MB 480-80849/5	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 81164

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-25179-4 MS	MW-201-091312	Total/NA	Water	8260B	
480-25179-4 MSD	MW-201-091312	Total/NA	Water	8260B	
LCS 480-81164/4	Lab Control Sample	Total/NA	Water	8260B	
MB 480-81164/5	Method Blank	Total/NA	Water	8260B	

Lab Chronicle

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

TestAmerica Job ID: 480-25179-1

Client Sample ID: MW-110-091312
Lab Sample ID: 480-25179-1
Date Collected: 09/13/12 13:00
Matrix: Water
Date Received: 09/15/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	80849	09/17/12 13:15	RL	TAL BUF

Client Sample ID: MW-12-091312
Lab Sample ID: 480-25179-2
Date Collected: 09/13/12 16:00
Matrix: Water
Date Received: 09/15/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		5	5 mL	5 mL	80849	09/17/12 13:37	RL	TAL BUF

Client Sample ID: MW-1212-091312
Lab Sample ID: 480-25179-3
Date Collected: 09/13/12 16:05
Matrix: Water
Date Received: 09/15/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		5	5 mL	5 mL	80849	09/17/12 13:58	RL	TAL BUF

Client Sample ID: MW-201-091312
Lab Sample ID: 480-25179-4
Date Collected: 09/13/12 16:55
Matrix: Water
Date Received: 09/15/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	80849	09/17/12 14:19	RL	TAL BUF

Client Sample ID: MW-203-091312
Lab Sample ID: 480-25179-5
Date Collected: 09/13/12 17:50
Matrix: Water
Date Received: 09/15/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	80849	09/17/12 15:23	RL	TAL BUF

Client Sample ID: MW-1-091312
Lab Sample ID: 480-25179-6
Date Collected: 09/14/12 10:10
Matrix: Water
Date Received: 09/15/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	80849	09/17/12 15:44	RL	TAL BUF

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-25179-8
Date Collected: 09/14/12 00:00
Matrix: Water
Date Received: 09/15/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	80849	09/17/12 16:06	RL	TAL BUF

Lab Chronicle

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

TestAmerica Job ID: 480-25179-1

Laboratory References:

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

Certification Summary

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

TestAmerica Job ID: 480-25179-1

Laboratory: TestAmerica Buffalo

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0686	07-06-13
California	NELAC	9	1169CA	09-30-12
Connecticut	State Program	1	PH-0568	09-30-12
Florida	NELAC	4	E87672	06-30-13
Georgia	State Program	4	N/A	03-31-13
Georgia	State Program	4	956	03-31-12
Illinois	NELAC	5	200003	09-30-12
Iowa	State Program	7	374	03-01-13
Kansas	NELAC	7	E-10187	01-31-13
Kentucky	State Program	4	90029	12-31-12
Kentucky (UST)	State Program	4	30	04-01-13
Louisiana	NELAC	6	02031	06-30-13
Maine	State Program	1	NY00044	12-04-12
Maryland	State Program	3	294	03-31-13
Massachusetts	State Program	1	M-NY044	06-30-13
Michigan	State Program	5	9937	04-01-13
Minnesota	NELAC	5	036-999-337	12-31-12
New Hampshire	NELAC	1	2973	09-11-13
New Hampshire	NELAC	1	2337	11-17-12
New Jersey	NELAC	2	NY455	06-30-13
New York	NELAC	2	10026	03-31-13
North Dakota	State Program	8	R-176	03-31-13
Oklahoma	State Program	6	9421	08-31-13
Oregon	NELAC	10	NY200003	06-09-13
Pennsylvania	NELAC	3	68-00281	07-31-13
Tennessee	State Program	4	TN02970	04-01-13
Texas	NELAC	6	T104704412-11-2	07-31-13
USDA	Federal		P330-11-00386	11-22-14
Washington	State Program	10	C784	02-10-13
West Virginia DEP	State Program	3	252	09-30-12
Wisconsin	State Program	5	998310390	08-31-12

Method Summary

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

TestAmerica Job ID: 480-25179-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (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: 480-25179-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-25179-1	MW-110-091312	Water	09/13/12 13:00	09/15/12 09:00
480-25179-2	MW-12-091312	Water	09/13/12 16:00	09/15/12 09:00
480-25179-3	MW-1212-091312	Water	09/13/12 16:05	09/15/12 09:00
480-25179-4	MW-201-091312	Water	09/13/12 16:55	09/15/12 09:00
480-25179-5	MW-203-091312	Water	09/13/12 17:50	09/15/12 09:00
480-25179-6	MW-1-091312	Water	09/14/12 10:10	09/15/12 09:00
480-25179-8	TRIP BLANK	Water	09/14/12 00:00	09/15/12 09:00

Chain of Custody Record

Temperature on Receipt ____

Drinking Water? Yes ☐ No ☒

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client: INTEGRAL CONSULTING, INC.	Project Manager: DAVID AVERILL	Date: 9/14/2012	Chain of Custody Number: 231504
Address: 45 EXCHANGE ST, SUITE 200	Telephone Number (Area Code)/Fax Number: 603/378-2793	Lab Number	Page 1 of 1
City: PORTLAND; State: ME; Zip Code: 04101	Site Contact: DAVID AVERILL; Lab Contact: CANDACE FOX		
Project Name and Location (State): AVIS POUGHKEEPSIE (NY)	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.: C668-3			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	BENZENE, TOLUENE, ETHYLBENZENE + TOTAL XYLENES BY 8260	MS/MSD	Special Instructions/ Conditions of Receipt
MW-110-091312	9/13/12	1300		X									X		
MW-12-091312	9/13/12	1600		X									X		
MW-1212091312	9/13/12	1600		X									X		
MW-201-091312	9/13/12	16:55		X									X		
MW-203-091312	9/13/12	1750		X									X		
MW-1-091412	9/14/12	1010		X									X		
MW-201-091312-MS/MSD	9/13/12	16:55		X										X	
TRIP BLANK				X									X		

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

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

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☒ 21 Days ☐ Other (STANDARD)

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: [signature]	9/14/12	12:15	1. Received By: [signature]	9/15/12	0300
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments: 2.7 #1

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Login Sample Receipt Checklist

Client: Integral Consulting Inc

Job Number: 480-25179-1

Login Number: 25179
List Number: 1
Creator: Robitaille, Zach L

List Source: TestAmerica Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
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.	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 CONSULTING
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

APPENDIX D

LABORATORY ANALYTICAL REPORT AND CHAIN-OF-CUSTODY RECORD FOR GROUNDWATER SAMPLES, AUTUMN 2013

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 480-48533-1
Client Project/Site: AVIS Rent-A-Car

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

Attn: Mr. David Averill

Candace L. Fox

Authorized for release by:
10/28/2013 11:07:43 AM

Candace Fox, Project Manager II
(716)504-9844
candace.fox@testamericainc.com

Table of Contents

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

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
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
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)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 480-48533-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-48533-1

Comments
No additional comments.

Receipt
The samples were received on 10/23/2013 9:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.9º C.

GC/MS VOA
No analytical or quality issues were noted.

Detection Summary

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

TestAmerica Job ID: 480-48533-1

Client Sample ID: MW-12-101713 — Lab Sample ID: 480-48533-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1.0		1.0	0.41	ug/L	1		8260C	Total/NA
Ethylbenzene	3.3		1.0	0.74	ug/L	1		8260C	Total/NA
m-Xylene & p-Xylene	5.0		2.0	0.66	ug/L	1		8260C	Total/NA
Xylenes, Total	5.0		2.0	0.66	ug/L	1		8260C	Total/NA

Client Sample ID: MW-1212-101713 — Lab Sample ID: 480-48533-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.85	J	1.0	0.41	ug/L	1		8260C	Total/NA
Ethylbenzene	2.3		1.0	0.74	ug/L	1		8260C	Total/NA
m-Xylene & p-Xylene	3.5		2.0	0.66	ug/L	1		8260C	Total/NA
Xylenes, Total	3.5		2.0	0.66	ug/L	1		8260C	Total/NA

Client Sample ID: MW-110-101713 — Lab Sample ID: 480-48533-3

No Detections.

Client Sample ID: MW-201-101713 — Lab Sample ID: 480-48533-4

No Detections.

Client Sample ID: MW-203-101713 — Lab Sample ID: 480-48533-5

No Detections.

Client Sample ID: MW-1-101713 — Lab Sample ID: 480-48533-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	1.6		1.0	0.74	ug/L	1		8260C	Total/NA
m-Xylene & p-Xylene	18		2.0	0.66	ug/L	1		8260C	Total/NA
o-Xylene	1.0		1.0	0.76	ug/L	1		8260C	Total/NA
Xylenes, Total	19		2.0	0.66	ug/L	1		8260C	Total/NA

Client Sample ID: TRIP BLANK — Lab Sample ID: 480-48533-7

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-12-101713

Lab Sample ID: 480-48533-1

Date Collected: 10/17/13 13:00

Matrix: Water

Date Received: 10/23/13 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**1.0**		1.0	0.41	ug/L			10/24/13 12:18	1
Toluene	ND		1.0	0.51	ug/L			10/24/13 12:18	1
Ethylbenzene	**3.3**		1.0	0.74	ug/L			10/24/13 12:18	1
m-Xylene & p-Xylene	**5.0**		2.0	0.66	ug/L			10/24/13 12:18	1
o-Xylene	ND		1.0	0.76	ug/L			10/24/13 12:18	1
Xylenes, Total	**5.0**		2.0	0.66	ug/L			10/24/13 12:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*66 - 137*		*10/24/13 12:18*	*1*
Toluene-d8 (Surr)	*106*		*71 - 126*		*10/24/13 12:18*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*10/24/13 12:18*	*1*

Client Sample ID: MW-1212-101713

Lab Sample ID: 480-48533-2

Date Collected: 10/17/13 13:05

Matrix: Water

Date Received: 10/23/13 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.85**	**J**	1.0	0.41	ug/L			10/24/13 12:46	1
Toluene	ND		1.0	0.51	ug/L			10/24/13 12:46	1
Ethylbenzene	**2.3**		1.0	0.74	ug/L			10/24/13 12:46	1
m-Xylene & p-Xylene	**3.5**		2.0	0.66	ug/L			10/24/13 12:46	1
o-Xylene	ND		1.0	0.76	ug/L			10/24/13 12:46	1
Xylenes, Total	**3.5**		2.0	0.66	ug/L			10/24/13 12:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*66 - 137*		*10/24/13 12:46*	*1*
Toluene-d8 (Surr)	*105*		*71 - 126*		*10/24/13 12:46*	*1*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*10/24/13 12:46*	*1*

Client Sample ID: MW-110-101713

Lab Sample ID: 480-48533-3

Date Collected: 10/17/13 13:25

Matrix: Water

Date Received: 10/23/13 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			10/24/13 03:13	1
Toluene	ND		1.0	0.51	ug/L			10/24/13 03:13	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/24/13 03:13	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			10/24/13 03:13	1
o-Xylene	ND		1.0	0.76	ug/L			10/24/13 03:13	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/24/13 03:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*66 - 137*		*10/24/13 03:13*	*1*
Toluene-d8 (Surr)	*105*		*71 - 126*		*10/24/13 03:13*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*10/24/13 03:13*	*1*

Client Sample ID: MW-201-101713

Lab Sample ID: 480-48533-4

Date Collected: 10/17/13 15:30

Matrix: Water

Date Received: 10/23/13 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			10/24/13 03:41	1
Toluene	ND		1.0	0.51	ug/L			10/24/13 03:41	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/24/13 03:41	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			10/24/13 03:41	1
o-Xylene	ND		1.0	0.76	ug/L			10/24/13 03:41	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/24/13 03:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*66 - 137*		*10/24/13 03:41*	*1*
Toluene-d8 (Surr)	*106*		*71 - 126*		*10/24/13 03:41*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*10/24/13 03:41*	*1*

Client Sample ID: MW-203-101713

Lab Sample ID: 480-48533-5

Date Collected: 10/17/13 16:45

Matrix: Water

Date Received: 10/23/13 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			10/24/13 05:04	1
Toluene	ND		1.0	0.51	ug/L			10/24/13 05:04	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/24/13 05:04	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			10/24/13 05:04	1
o-Xylene	ND		1.0	0.76	ug/L			10/24/13 05:04	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/24/13 05:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*66 - 137*		*10/24/13 05:04*	*1*
Toluene-d8 (Surr)	*105*		*71 - 126*		*10/24/13 05:04*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*10/24/13 05:04*	*1*

Client Sample ID: MW-1-101713

Lab Sample ID: 480-48533-6

Date Collected: 10/17/13 15:35

Matrix: Water

Date Received: 10/23/13 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			10/24/13 05:32	1
Toluene	ND		1.0	0.51	ug/L			10/24/13 05:32	1
Ethylbenzene	**1.6**		1.0	0.74	ug/L			10/24/13 05:32	1
m-Xylene & p-Xylene	**18**		2.0	0.66	ug/L			10/24/13 05:32	1
o-Xylene	**1.0**		1.0	0.76	ug/L			10/24/13 05:32	1
Xylenes, Total	**19**		2.0	0.66	ug/L			10/24/13 05:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*66 - 137*		*10/24/13 05:32*	*1*
Toluene-d8 (Surr)	*105*		*71 - 126*		*10/24/13 05:32*	*1*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*10/24/13 05:32*	*1*

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

TestAmerica Job ID: 480-48533-1

Client Sample ID: TRIP BLANK
Date Collected: 10/17/13 00:00
Date Received: 10/23/13 09:00

Lab Sample ID: 480-48533-7
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			10/24/13 05:59	1
Toluene	ND		1.0	0.51	ug/L			10/24/13 05:59	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/24/13 05:59	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			10/24/13 05:59	1
o-Xylene	ND		1.0	0.76	ug/L			10/24/13 05:59	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/24/13 05:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*66 - 137*		*10/24/13 05:59*	*1*
Toluene-d8 (Surr)	*106*		*71 - 126*		*10/24/13 05:59*	*1*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*10/24/13 05:59*	*1*

Surrogate Summary

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

TestAmerica Job ID: 480-48533-1

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

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

		Percent Surrogate Recovery (Acceptance Limits)		
		12DCE	TOL	BFB
Lab Sample ID	Client Sample ID	(66-137)	(71-126)	(73-120)
480-48533-1	MW-12-101713	100	106	103
480-48533-2	MW-1212-101713	101	105	104
480-48533-3	MW-110-101713	103	105	101
480-48533-4	MW-201-101713	101	106	102
480-48533-4 MS	MW-201-101713	99	107	105
480-48533-4 MSD	MW-201-101713	100	106	105
480-48533-5	MW-203-101713	107	105	102
480-48533-6	MW-1-101713	106	105	104
480-48533-7	TRIP BLANK	101	106	104
LCS 480-147058/3	Lab Control Sample	104	106	106
LCS 480-147166/4	Lab Control Sample	98	106	107
MB 480-147058/5	Method Blank	99	105	104
MB 480-147166/6	Method Blank	97	105	105

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene (Surr)

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

Lab Sample ID: MB 480-147058/5
Matrix: Water
Analysis Batch: 147058

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			10/23/13 21:38	1
Toluene	ND		1.0	0.51	ug/L			10/23/13 21:38	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/23/13 21:38	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			10/23/13 21:38	1
o-Xylene	ND		1.0	0.76	ug/L			10/23/13 21:38	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/23/13 21:38	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*66 - 137*		*10/23/13 21:38*	*1*
Toluene-d8 (Surr)	*105*		*71 - 126*		*10/23/13 21:38*	*1*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*10/23/13 21:38*	*1*

Lab Sample ID: LCS 480-147058/3
Matrix: Water
Analysis Batch: 147058

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	25.0	25.3		ug/L		101	71 - 124
Toluene	25.0	25.7		ug/L		103	80 - 122
Ethylbenzene	25.0	25.7		ug/L		103	77 - 123
m-Xylene & p-Xylene	50.0	52.0		ug/L		104	76 - 122
o-Xylene	25.0	26.3		ug/L		105	76 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*66 - 137*
Toluene-d8 (Surr)	*106*		*71 - 126*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*

Lab Sample ID: 480-48533-4 MS
Matrix: Water
Analysis Batch: 147058

Client Sample ID: MW-201-101713
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	ND		25.0	27.7		ug/L		111	71 - 124
Toluene	ND		25.0	28.3		ug/L		113	80 - 122
Ethylbenzene	ND		25.0	28.2		ug/L		113	77 - 123
m-Xylene & p-Xylene	ND		50.0	56.6		ug/L		113	76 - 122
o-Xylene	ND		25.0	28.2		ug/L		113	76 - 122

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*66 - 137*
Toluene-d8 (Surr)	*107*		*71 - 126*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*

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

Lab Sample ID: 480-48533-4 MSD
Matrix: Water
Analysis Batch: 147058

Client Sample ID: MW-201-101713
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	ND		25.0	27.7		ug/L		111	71 - 124	0	13
Toluene	ND		25.0	28.1		ug/L		112	80 - 122	1	15
Ethylbenzene	ND		25.0	27.9		ug/L		112	77 - 123	1	15
m-Xylene & p-Xylene	ND		50.0	56.1		ug/L		112	76 - 122	1	16
o-Xylene	ND		25.0	28.1		ug/L		112	76 - 122	0	16

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*66 - 137*
Toluene-d8 (Surr)	*106*		*71 - 126*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*

Lab Sample ID: MB 480-147166/6
Matrix: Water
Analysis Batch: 147166

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			10/24/13 11:46	1
Toluene	ND		1.0	0.51	ug/L			10/24/13 11:46	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/24/13 11:46	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			10/24/13 11:46	1
o-Xylene	ND		1.0	0.76	ug/L			10/24/13 11:46	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/24/13 11:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*66 - 137*		*10/24/13 11:46*	*1*
Toluene-d8 (Surr)	*105*		*71 - 126*		*10/24/13 11:46*	*1*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*10/24/13 11:46*	*1*

Lab Sample ID: LCS 480-147166/4
Matrix: Water
Analysis Batch: 147166

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	25.0	25.1		ug/L		100	71 - 124
Toluene	25.0	26.0		ug/L		104	80 - 122
Ethylbenzene	25.0	26.2		ug/L		105	77 - 123
m-Xylene & p-Xylene	50.0	52.6		ug/L		105	76 - 122
o-Xylene	25.0	26.6		ug/L		106	76 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*66 - 137*
Toluene-d8 (Surr)	*106*		*71 - 126*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*

QC Association Summary

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

TestAmerica Job ID: 480-48533-1

GC/MS VOA

Analysis Batch: 147058

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-48533-3	MW-110-101713	Total/NA	Water	8260C	
480-48533-4	MW-201-101713	Total/NA	Water	8260C	
480-48533-4 MS	MW-201-101713	Total/NA	Water	8260C	
480-48533-4 MSD	MW-201-101713	Total/NA	Water	8260C	
480-48533-5	MW-203-101713	Total/NA	Water	8260C	
480-48533-6	MW-1-101713	Total/NA	Water	8260C	
480-48533-7	TRIP BLANK	Total/NA	Water	8260C	
LCS 480-147058/3	Lab Control Sample	Total/NA	Water	8260C	
MB 480-147058/5	Method Blank	Total/NA	Water	8260C	

Analysis Batch: 147166

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-48533-1	MW-12-101713	Total/NA	Water	8260C	
480-48533-2	MW-1212-101713	Total/NA	Water	8260C	
LCS 480-147166/4	Lab Control Sample	Total/NA	Water	8260C	
MB 480-147166/6	Method Blank	Total/NA	Water	8260C	

Lab Chronicle

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

TestAmerica Job ID: 480-48533-1

Client Sample ID: MW-12-101713 — Lab Sample ID: 480-48533-1

Date Collected: 10/17/13 13:00 — **Matrix: Water**
Date Received: 10/23/13 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	147166	10/24/13 12:18	NMD1	TAL BUF

Client Sample ID: MW-1212-101713 — Lab Sample ID: 480-48533-2

Date Collected: 10/17/13 13:05 — **Matrix: Water**
Date Received: 10/23/13 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	147166	10/24/13 12:46	NMD1	TAL BUF

Client Sample ID: MW-110-101713 — Lab Sample ID: 480-48533-3

Date Collected: 10/17/13 13:25 — **Matrix: Water**
Date Received: 10/23/13 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	147058	10/24/13 03:13	MKP	TAL BUF

Client Sample ID: MW-201-101713 — Lab Sample ID: 480-48533-4

Date Collected: 10/17/13 15:30 — **Matrix: Water**
Date Received: 10/23/13 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	147058	10/24/13 03:41	MKP	TAL BUF

Client Sample ID: MW-203-101713 — Lab Sample ID: 480-48533-5

Date Collected: 10/17/13 16:45 — **Matrix: Water**
Date Received: 10/23/13 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	147058	10/24/13 05:04	MKP	TAL BUF

Client Sample ID: MW-1-101713 — Lab Sample ID: 480-48533-6

Date Collected: 10/17/13 15:35 — **Matrix: Water**
Date Received: 10/23/13 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	147058	10/24/13 05:32	MKP	TAL BUF

Lab Chronicle

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

TestAmerica Job ID: 480-48533-1

Client Sample ID: TRIP BLANK
Date Collected: 10/17/13 00:00
Date Received: 10/23/13 09:00

Lab Sample ID: 480-48533-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	147058	10/24/13 05:59	MKP	TAL BUF

Laboratory References:

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

Certification Summary

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

TestAmerica Job ID: 480-48533-1

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	04-01-14

Method Summary

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

TestAmerica Job ID: 480-48533-1

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: 480-48533-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-48533-1	MW-12-101713	Water	10/17/13 13:00	10/23/13 09:00
480-48533-2	MW-1212-101713	Water	10/17/13 13:05	10/23/13 09:00
480-48533-3	MW-110-101713	Water	10/17/13 13:25	10/23/13 09:00
480-48533-4	MW-201-101713	Water	10/17/13 15:30	10/23/13 09:00
480-48533-5	MW-203-101713	Water	10/17/13 16:45	10/23/13 09:00
480-48533-6	MW-1-101713	Water	10/17/13 15:35	10/23/13 09:00
480-48533-7	TRIP BLANK	Water	10/17/13 00:00	10/23/13 09:00

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
INTEGRAL CONSULTING, INC.	DAVID AVERILL	10/17/2013	221254
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page** 1 **of** 1
45 EXCHANGE ST.	603-376-2793		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
PORTLAND / ME		CANDACE FOX	
Project Name and Location (State)	**Carrier/Waybill Number**		
AVIS POUGHKEEPSIE (NY)	FEDEX 8015-5297-3547		
Contract/Purchase Order/Quote No.			
C966			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: BTEX by 8260B	Special Instructions/ Conditions of Receipt
MW-12-101713	10/17/13	1300		X						3			X	
MW-1212-101713	10/17/13	1305		X						3			X	
MW-110-101713	10/17/13	1325		X						3			X	
MW-201-101713	10/17/13	1530		X						3			X	
MW-203-101713	10/17/13	1645		X						3			X	
MW-1-101713	10/17/13	1535		X						3			X	
TRIP BLANK				X						2			X	

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

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

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other STANDARD

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	10/18/2013	1600	1. Received By	10/23/13	0900
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

7.9 #1

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

10/28/2013

Login Sample Receipt Checklist

Client: Integral Consulting Inc

Job Number: 480-48533-1

Login Number: 48533

List Source: TestAmerica Buffalo

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.	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	ic
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	

APPENDIX E

LABORATORY ANALYTICAL REPORT AND CHAIN-OF-CUSTODY RECORD FOR GROUNDWATER SAMPLES, WINTER 2015

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 480-77588-1
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:
4/9/2015 11:32:46 AM
Anne Pridgeon, Project Management Assistant I
anne.pridgeon@testamericainc.com

Designee for

Lisa Shaffer, Project Manager II
(716)504-9816
lisa.shaffer@testamericainc.com

Table of Contents

Definitions/Glossary

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

TestAmerica Job ID: 480-77588-1

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.
F1	MS and/or MSD Recovery exceeds the control limits
F2	MS/MSD RPD exceeds control limits

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, 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)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 480-77588-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-77588-1

Comments
No additional comments.

Receipt
The samples were received on 4/2/2015 9:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice.
The temperature of the cooler at receipt was 2.8º C.

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

Detection Summary

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

TestAmerica Job ID: 480-77588-1

Client Sample ID: MW-201-033115 — Lab Sample ID: 480-77588-1

No Detections.

Client Sample ID: MW-203-033115 — Lab Sample ID: 480-77588-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	5.8		1.0	0.41	ug/L	1		8260C	Total/NA
Toluene	0.53	J	1.0	0.51	ug/L	1		8260C	Total/NA

Client Sample ID: MW-1-033115 — Lab Sample ID: 480-77588-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	27	F1 F2	1.0	0.74	ug/L	1		8260C	Total/NA
m-Xylene & p-Xylene	52	F1 F2	2.0	0.66	ug/L	1		8260C	Total/NA
o-Xylene	7.1		1.0	0.76	ug/L	1		8260C	Total/NA
Xylenes, Total	59	F1 F2	2.0	0.66	ug/L	1		8260C	Total/NA

Client Sample ID: MW-110-033115 — Lab Sample ID: 480-77588-4

No Detections.

Client Sample ID: MW-12-033115 — Lab Sample ID: 480-77588-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	13		1.0	0.41	ug/L	1		8260C	Total/NA
Ethylbenzene	75		1.0	0.74	ug/L	1		8260C	Total/NA
m-Xylene & p-Xylene	76		2.0	0.66	ug/L	1		8260C	Total/NA
o-Xylene	1.7		1.0	0.76	ug/L	1		8260C	Total/NA
Toluene	7.7		1.0	0.51	ug/L	1		8260C	Total/NA
Xylenes, Total	78		2.0	0.66	ug/L	1		8260C	Total/NA

Client Sample ID: MW-12-033115 — Lab Sample ID: 480-77588-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	13		1.0	0.41	ug/L	1		8260C	Total/NA
Ethylbenzene	74		1.0	0.74	ug/L	1		8260C	Total/NA
m-Xylene & p-Xylene	74		2.0	0.66	ug/L	1		8260C	Total/NA
o-Xylene	1.7		1.0	0.76	ug/L	1		8260C	Total/NA
Toluene	7.5		1.0	0.51	ug/L	1		8260C	Total/NA
Xylenes, Total	76		2.0	0.66	ug/L	1		8260C	Total/NA

Client Sample ID: TRIP BLANK — Lab Sample ID: 480-77588-7

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-201-033115

Lab Sample ID: 480-77588-1

Date Collected: 03/31/15 10:45

Matrix: Water

Date Received: 04/02/15 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			04/03/15 16:45	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/03/15 16:45	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			04/03/15 16:45	1
o-Xylene	ND		1.0	0.76	ug/L			04/03/15 16:45	1
Toluene	ND		1.0	0.51	ug/L			04/03/15 16:45	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/03/15 16:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*66 - 137*		*04/03/15 16:45*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*04/03/15 16:45*	*1*
Dibromofluoromethane (Surr)	*105*		*60 - 140*		*04/03/15 16:45*	*1*
Toluene-d8 (Surr)	*106*		*71 - 126*		*04/03/15 16:45*	*1*

Client Sample ID: MW-203-033115

Lab Sample ID: 480-77588-2

Date Collected: 03/31/15 11:40

Matrix: Water

Date Received: 04/02/15 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**5.8**		1.0	0.41	ug/L			04/03/15 17:13	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/03/15 17:13	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			04/03/15 17:13	1
o-Xylene	ND		1.0	0.76	ug/L			04/03/15 17:13	1
Toluene	**0.53**	**J**	1.0	0.51	ug/L			04/03/15 17:13	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/03/15 17:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*66 - 137*		*04/03/15 17:13*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*04/03/15 17:13*	*1*
Dibromofluoromethane (Surr)	*105*		*60 - 140*		*04/03/15 17:13*	*1*
Toluene-d8 (Surr)	*106*		*71 - 126*		*04/03/15 17:13*	*1*

Client Sample ID: MW-1-033115

Lab Sample ID: 480-77588-3

Date Collected: 03/31/15 14:00

Matrix: Water

Date Received: 04/02/15 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			04/03/15 17:41	1
Ethylbenzene	**27**	**F1 F2**	1.0	0.74	ug/L			04/03/15 17:41	1
m-Xylene & p-Xylene	**52**	**F1 F2**	2.0	0.66	ug/L			04/03/15 17:41	1
o-Xylene	**7.1**		1.0	0.76	ug/L			04/03/15 17:41	1
Toluene	ND		1.0	0.51	ug/L			04/03/15 17:41	1
Xylenes, Total	**59**	**F1 F2**	2.0	0.66	ug/L			04/03/15 17:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*66 - 137*		*04/03/15 17:41*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*04/03/15 17:41*	*1*
Dibromofluoromethane (Surr)	*104*		*60 - 140*		*04/03/15 17:41*	*1*
Toluene-d8 (Surr)	*106*		*71 - 126*		*04/03/15 17:41*	*1*

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

TestAmerica Job ID: 480-77588-1

Client Sample ID: MW-110-033115

Lab Sample ID: 480-77588-4

Date Collected: 03/31/15 14:30

Matrix: Water

Date Received: 04/02/15 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			04/03/15 18:09	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/03/15 18:09	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			04/03/15 18:09	1
o-Xylene	ND		1.0	0.76	ug/L			04/03/15 18:09	1
Toluene	ND		1.0	0.51	ug/L			04/03/15 18:09	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/03/15 18:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*66 - 137*		*04/03/15 18:09*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*04/03/15 18:09*	*1*
Dibromofluoromethane (Surr)	*103*		*60 - 140*		*04/03/15 18:09*	*1*
Toluene-d8 (Surr)	*105*		*71 - 126*		*04/03/15 18:09*	*1*

Client Sample ID: MW-12-033115

Lab Sample ID: 480-77588-5

Date Collected: 03/31/15 16:00

Matrix: Water

Date Received: 04/02/15 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**13**		1.0	0.41	ug/L			04/03/15 18:36	1
Ethylbenzene	**75**		1.0	0.74	ug/L			04/03/15 18:36	1
m-Xylene & p-Xylene	**76**		2.0	0.66	ug/L			04/03/15 18:36	1
o-Xylene	**1.7**		1.0	0.76	ug/L			04/03/15 18:36	1
Toluene	**7.7**		1.0	0.51	ug/L			04/03/15 18:36	1
Xylenes, Total	**78**		2.0	0.66	ug/L			04/03/15 18:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*66 - 137*		*04/03/15 18:36*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*04/03/15 18:36*	*1*
Dibromofluoromethane (Surr)	*101*		*60 - 140*		*04/03/15 18:36*	*1*
Toluene-d8 (Surr)	*107*		*71 - 126*		*04/03/15 18:36*	*1*

Client Sample ID: MW-12-033115

Lab Sample ID: 480-77588-6

Date Collected: 03/31/15 16:05

Matrix: Water

Date Received: 04/02/15 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**13**		1.0	0.41	ug/L			04/03/15 19:04	1
Ethylbenzene	**74**		1.0	0.74	ug/L			04/03/15 19:04	1
m-Xylene & p-Xylene	**74**		2.0	0.66	ug/L			04/03/15 19:04	1
o-Xylene	**1.7**		1.0	0.76	ug/L			04/03/15 19:04	1
Toluene	**7.5**		1.0	0.51	ug/L			04/03/15 19:04	1
Xylenes, Total	**76**		2.0	0.66	ug/L			04/03/15 19:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*66 - 137*		*04/03/15 19:04*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*04/03/15 19:04*	*1*
Dibromofluoromethane (Surr)	*102*		*60 - 140*		*04/03/15 19:04*	*1*
Toluene-d8 (Surr)	*107*		*71 - 126*		*04/03/15 19:04*	*1*

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

TestAmerica Job ID: 480-77588-1

Client Sample ID: TRIP BLANK
Date Collected: 03/31/15 00:00
Date Received: 04/02/15 09:00

Lab Sample ID: 480-77588-7
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			04/03/15 19:32	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/03/15 19:32	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			04/03/15 19:32	1
o-Xylene	ND		1.0	0.76	ug/L			04/03/15 19:32	1
Toluene	ND		1.0	0.51	ug/L			04/03/15 19:32	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/03/15 19:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*66 - 137*		*04/03/15 19:32*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*04/03/15 19:32*	*1*
Dibromofluoromethane (Surr)	*105*		*60 - 140*		*04/03/15 19:32*	*1*
Toluene-d8 (Surr)	*108*		*71 - 126*		*04/03/15 19:32*	*1*

Surrogate Summary

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

TestAmerica Job ID: 480-77588-1

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

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

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(66-137)	(73-120)	(60-140)	(71-126)
480-77588-1	MW-201-033115	101	96	105	106
480-77588-2	MW-203-033115	109	97	105	106
480-77588-3	MW-1-033115	106	100	104	106
480-77588-3 MS	MW-1-033115	110	99	110	109
480-77588-3 MSD	MW-1-033115	105	99	105	105
480-77588-4	MW-110-033115	101	97	103	105
480-77588-5	MW-12-033115	107	99	101	107
480-77588-6	MW-12-033115	111	98	102	107
480-77588-7	TRIP BLANK	102	100	105	108
LCS 480-233945/4	Lab Control Sample	98	98	100	106
MB 480-233945/6	Method Blank	104	97	108	106

Surrogate Legend

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 480-233945/6
Matrix: Water
Analysis Batch: 233945

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			04/03/15 12:01	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/03/15 12:01	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			04/03/15 12:01	1
o-Xylene	ND		1.0	0.76	ug/L			04/03/15 12:01	1
Toluene	ND		1.0	0.51	ug/L			04/03/15 12:01	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/03/15 12:01	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*66 - 137*		*04/03/15 12:01*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*04/03/15 12:01*	*1*
Dibromofluoromethane (Surr)	*108*		*60 - 140*		*04/03/15 12:01*	*1*
Toluene-d8 (Surr)	*106*		*71 - 126*		*04/03/15 12:01*	*1*

Lab Sample ID: LCS 480-233945/4
Matrix: Water
Analysis Batch: 233945

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	25.0	22.6		ug/L		90	71 - 124
Ethylbenzene	25.0	24.2		ug/L		97	77 - 123
m-Xylene & p-Xylene	25.0	24.2		ug/L		97	76 - 122
o-Xylene	25.0	24.7		ug/L		99	76 - 122
Toluene	25.0	24.7		ug/L		99	80 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*66 - 137*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*
Dibromofluoromethane (Surr)	*100*		*60 - 140*
Toluene-d8 (Surr)	*106*		*71 - 126*

Lab Sample ID: 480-77588-3 MS
Matrix: Water
Analysis Batch: 233945

Client Sample ID: MW-1-033115
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	ND		25.0	26.1		ug/L		105	71 - 124
Ethylbenzene	27	F1 F2	25.0	49.3		ug/L		88	77 - 123
m-Xylene & p-Xylene	52	F1 F2	25.0	70.4	F1	ug/L		75	76 - 122
o-Xylene	7.1		25.0	33.2		ug/L		104	76 - 122
Toluene	ND		25.0	26.5		ug/L		106	80 - 122

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*110*		*66 - 137*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*
Dibromofluoromethane (Surr)	*110*		*60 - 140*
Toluene-d8 (Surr)	*109*		*71 - 126*

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

Lab Sample ID: 480-77588-3 MSD
Matrix: Water
Analysis Batch: 233945

Client Sample ID: MW-1-033115
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	ND		25.0	25.3		ug/L		101	71 - 124	3	13
Ethylbenzene	27	F1 F2	25.0	41.1	F1 F2	ug/L		55	77 - 123	18	15
m-Xylene & p-Xylene	52	F1 F2	25.0	52.5	F1 F2	ug/L		4	76 - 122	29	16
o-Xylene	7.1		25.0	29.7		ug/L		90	76 - 122	11	16
Toluene	ND		25.0	26.0		ug/L		104	80 - 122	2	15

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*105*		*66 - 137*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*
Dibromofluoromethane (Surr)	*105*		*60 - 140*
Toluene-d8 (Surr)	*105*		*71 - 126*

QC Association Summary

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

TestAmerica Job ID: 480-77588-1

GC/MS VOA

Analysis Batch: 233945

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-77588-1	MW-201-033115	Total/NA	Water	8260C	
480-77588-2	MW-203-033115	Total/NA	Water	8260C	
480-77588-3	MW-1-033115	Total/NA	Water	8260C	
480-77588-3 MS	MW-1-033115	Total/NA	Water	8260C	
480-77588-3 MSD	MW-1-033115	Total/NA	Water	8260C	
480-77588-4	MW-110-033115	Total/NA	Water	8260C	
480-77588-5	MW-12-033115	Total/NA	Water	8260C	
480-77588-6	MW-12-033115	Total/NA	Water	8260C	
480-77588-7	TRIP BLANK	Total/NA	Water	8260C	
LCS 480-233945/4	Lab Control Sample	Total/NA	Water	8260C	
MB 480-233945/6	Method Blank	Total/NA	Water	8260C	

Lab Chronicle

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

TestAmerica Job ID: 480-77588-1

Client Sample ID: MW-201-033115
Lab Sample ID: 480-77588-1
Date Collected: 03/31/15 10:45
Matrix: Water
Date Received: 04/02/15 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	233945	04/03/15 16:45	NMD1	TAL BUF

Client Sample ID: MW-203-033115
Lab Sample ID: 480-77588-2
Date Collected: 03/31/15 11:40
Matrix: Water
Date Received: 04/02/15 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	233945	04/03/15 17:13	NMD1	TAL BUF

Client Sample ID: MW-1-033115
Lab Sample ID: 480-77588-3
Date Collected: 03/31/15 14:00
Matrix: Water
Date Received: 04/02/15 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	233945	04/03/15 17:41	NMD1	TAL BUF

Client Sample ID: MW-110-033115
Lab Sample ID: 480-77588-4
Date Collected: 03/31/15 14:30
Matrix: Water
Date Received: 04/02/15 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	233945	04/03/15 18:09	NMD1	TAL BUF

Client Sample ID: MW-12-033115
Lab Sample ID: 480-77588-5
Date Collected: 03/31/15 16:00
Matrix: Water
Date Received: 04/02/15 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	233945	04/03/15 18:36	NMD1	TAL BUF

Client Sample ID: MW-12-033115
Lab Sample ID: 480-77588-6
Date Collected: 03/31/15 16:05
Matrix: Water
Date Received: 04/02/15 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	233945	04/03/15 19:04	NMD1	TAL BUF

Lab Chronicle

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

TestAmerica Job ID: 480-77588-1

Client Sample ID: TRIP BLANK — **Lab Sample ID: 480-77588-7**

Date Collected: 03/31/15 00:00 — **Matrix: Water**

Date Received: 04/02/15 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	233945	04/03/15 19:32	NMD1	TAL BUF

Laboratory References:

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

Certification Summary

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

TestAmerica Job ID: 480-77588-1

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	03-31-16

Method Summary

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

TestAmerica Job ID: 480-77588-1

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: 480-77588-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-77588-1	MW-201-033115	Water	03/31/15 10:45	04/02/15 09:00
480-77588-2	MW-203-033115	Water	03/31/15 11:40	04/02/15 09:00
480-77588-3	MW-1-033115	Water	03/31/15 14:00	04/02/15 09:00
480-77588-4	MW-110-033115	Water	03/31/15 14:30	04/02/15 09:00
480-77588-5	MW-12-033115	Water	03/31/15 16:00	04/02/15 09:00
480-77588-6	MW-12-033115	Water	03/31/15 16:05	04/02/15 09:00
480-77588-7	TRIP BLANK	Water	03/31/15 00:00	04/02/15 09:00

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

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: D. AVERILL	Lab PM: Fox, Candace L	Carrier Tracking No(s):	COC No: 480-65336-7137.1
Client Contact: Mr. David Averill	Phone: 603-560-1461	E-Mail: candace.fox@testamericainc.com		Page: Page 1 of 1
Company: Integral Consulting Inc		Analysis Requested		Job #:
Address: 45 Exchange Street Suite 200	Due Date Requested: STD T-A-T			Preservation Codes: A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
City: Portland	TAT Requested (days): STANDARD			
State, Zip: ME, 04101				
Phone: 603-378-2793(Tel)	PO #: 868 Purchase Order not required			Other:
Email: daverill@integral-corp.com	WO #:			
Project Name: AVIS Rent-A-Car	Project #: 48006453			
Site:	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - BTEX - 8260	MATRIX SPIKE / MATRIX SPIKE DUP.	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A	A		
MW-201_033115	3/31	1045	G	Water			3	3		
MW-203-033115	3/31	1140	G	Water			3	3		
MW-1-033115	3/31	1400	G	Water			3	3		
MW-110-033115	3/31	1430	G	Water			3	3		
MW-1-MS/MSD	3/31	1400	G	Water				6		
MW-12-033115	3/31	1600	G	Water			3			
MW-12-033115	3/31	1605	G	Water			3			
				Water						
				Water						
				Water						

480-77588 Chain of Custody

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

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

Deliverable Requested: I, II, III, IV, Other (specify) NYSDEC ELECTRONIC DELIVERABLE

Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	[signature]	4/1/2015 1630	INTEGRAL	[signature]	4/2/15 0900	TA BUFF
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: #1 2.8

Login Sample Receipt Checklist

Client: Integral Consulting Inc

Job Number: 480-77588-1

Login Number: 77588

List Source: TestAmerica Buffalo

List Number: 1

Creator: Robison, Zachary J

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.	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.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	