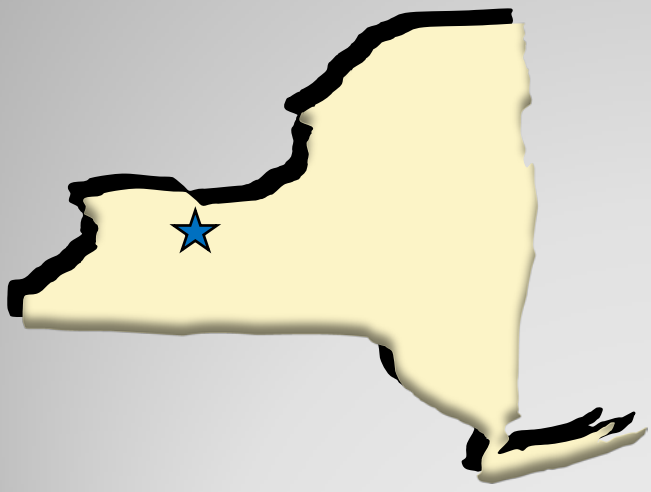
FINAL PERIODIC REVIEW REPORT (2011)

Autohaus of Rochester Site (828024)
Monroe County, East Rochester, New York



Prepared for:

New York State Department of Environmental Conservation
Division of Environmental Remediation

Prepared by:

EA ENGINEERING, P.C. and Its Affiliate
EA SCIENCE and TECHNOLOGY

June 2012

Periodic Review Report (2011)
Autohaus of Rochester (828084)
East Rochester, New York

Prepared for

New York State Department of Environmental Conservation
625 Broadway
Albany, New York 12233

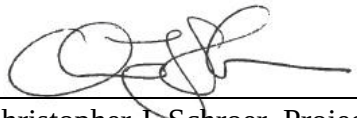
Prepared by

EA Engineering, P.C. and Its Affiliate
EA Science and Technology
6712 Brooklawn Parkway, Suite 104
Syracuse, New York 13211-2158
(315) 431-4610

4 June 2012

Christopher J. Canonica, P.E., Program Manager
EA Engineering, P.C.

Date



4 June 2012

Christopher J. Schroer, Project Manager
EA Science and Technology

Date

June 2012
Version: FINAL
EA Project No. 14474.05

CONTENTS

APPENDIX A: DAILY FIELD REPORT
APPENDIX B: GROUNDWATER SAMPLING FORMS
APPENDIX C: ANALYTICAL FORM Is
APPENDIX D: WASTE MANIFEST

LIST OF FIGURES

LIST OF TABLES

ES. EXECUTIVE SUMMARY

The Autohaus of Rochester site is located at 99 Marsh Road in the village of East Rochester, New York and covers approximately 1.6 acres. The site is surrounded by both commercial and residential development. In 1989 and 1990, subsurface investigations revealed the presence of volatile organic compounds (VOCs) in the groundwater adjacent to a drywell located in the parking area northeast of the Autohaus building. The drywell and surrounding soil were removed in 1992 under an interim remedial measure (IRM). A post-IRM site characterization, conducted in 1997, indicated that the majority of the impacted soil had been removed by the IRM. Subsequent groundwater monitoring indicated that the VOC concentrations in groundwater had decreased and the areal extent of impacted groundwater had not increased.

A Record of Decision (ROD) dated March 1998 (New York State Department of Environmental Conservation [NYSDEC])[1] authorized the selected remedy of no further action with continued monitoring in order to confirm the decreasing trend of VOC concentrations in groundwater. Currently, groundwater samples are collected annually from six monitoring wells and analyzed for VOCs.

Two additional groundwater monitoring wells were installed at the site in December 2010. These monitoring wells were installed with a screened interval similar to that of GP-09, for the purposes of evaluating overburden groundwater flow across the site. Following installation of the new monitoring wells, the monitoring well network was inspected and sampled. During this sampling event, monitoring well MW-09 was observed to be damaged beyond repair; as such, this well was not included in the December 2010 sampling effort.

Seven monitoring wells were sampled in October 2011. Detected contaminant concentrations continue to steadily decline except at monitoring well GP-09. Several VOCs were detected at concentrations greater than NYSDEC Ambient Water Quality Standards (AWQS) during the 2007-2011 annual monitoring events, with selected analytes sporadically detected at concentrations greater than their corresponding AWQS.

Based on groundwater monitoring results for Fall 2007, Fall 2008, Spring 2009, Winter 2010, and Fall 2011, which indicated exceedences of AWQS within GP-09, additional groundwater monitoring is recommended. Also, monitoring wells should be reviewed for serviceability and be replaced as necessary. There is little indication that the concentrations of contaminants in groundwater at GP-09 are increasing or decreasing significantly, and seasonal groundwater fluctuations may influence concentrations. In the ROD[1], it was noted that the groundwater table had risen and may have interacted with contaminated soil. EA recommends continuing monitoring and sampling during a single season.

1 NYSDEC. 1998. Record of Decision, Autohaus of Rochester Site, Perinton (T), Monroe County, Site Number 8-28-084, March.

1. INTRODUCTION

The NYSDEC tasked EA Engineering, P.C. and its affiliate EA Science and Technology (EA) to provide site management from 28 May 2007 to 30 June 2012 at the Autohaus of Rochester site located at 99 Marsh Road in the village of East Rochester, town of Perinton, Monroe County, New York (Figure 1).

One groundwater monitoring well was installed at the site in August 2007 (EA, 2009)[2]. Two additional groundwater monitoring wells were installed during December 2010 and the installation of these wells is summarized under this Periodic Review Report (PRR). The annual groundwater monitoring and facility maintenance programs, consisting of inspection and repair/replacement (if necessary), and sampling of groundwater monitoring wells, were completed at the site in October 2007, October 2008, April 2009, December 2010, and October 2011. Site monitoring is required by, and stipulated in, the ROD[1]. The purpose of this PRR is to summarize the field activities and analytical results of the annual groundwater monitoring event, site management activities, and any monitoring well repair or installation that has been completed to date; and to offer recommendations for future site monitoring and maintenance activities.

1.1 BACKGROUND

The Autohaus of Rochester site covers approximately 1.6 acres, and is surrounded by commercial and residential development. A partially constructed residential development is located north of the site. The residential development property of approximately 16 acres was formerly used by the village of East Rochester as a public water supply well field. The remaining adjacent properties are occupied by a car dealership to the northeast, Marsh Road to the east and southeast, and a railroad embankment to the south. The site was a luxury car dealership and is currently listed by the NYSDEC as a Class 2 inactive hazardous waste site.

In 1989 and 1990, subsurface investigations revealed the presence of VOCs in the groundwater adjacent to a drywell located in the parking area northeast of the Autohaus building. The drywell was connected to the shop floor drain in the Autohaus building. An IRM, consisting of drywell and soil removal, was conducted in 1992. The adjacent public water supply well field was temporarily closed in 1992 and permanently closed in 1995 for reasons not connected to the Autohaus site. A post-IRM site characterization conducted in 1997 indicated that the majority of the impacted soil had been removed by the IRM. Subsequent groundwater monitoring indicated that the VOC concentration in groundwater had decreased and the areal extent of impacted groundwater had not increased.

2 EA Engineering, P.C., and its affiliate EA Science and Technology, 2009. Final Periodic Review Report (August 2007-October 2008) for the Autohaus Site, East Rochester, Monroe County, New York (NYSDEC Site No. 8-28-084). March.

The ROD[1] prescribed a selected a remedy of no further action with continued monitoring in order to confirm the decreasing trend of VOC concentrations in groundwater. Currently, groundwater samples are taken annually from seven monitoring wells and are analyzed for VOCs.

1.2 POST-CLOSURE MONITORING OBJECTIVES

The Site Management Plan (SMP) (EA, 2012)[3] requires that environmental monitoring points be maintained and sampled during the post-closure monitoring period. This includes collection of groundwater samples from various locations at the site. Sampling locations, methods and parameters, and other required maintenance activities, such as monitoring well installation activities, are documented in the SMP. It is anticipated that during the course of the work assignment, the SMP will be periodically re-evaluated based on the data collected at the site so that the monitoring plan may be refined to address site-specific issues.

The objectives of the monitoring program are to:

- Collect representative groundwater samples in order to confirm the current trend of declining groundwater contaminant concentrations in the monitoring wells

- Evaluate the data to determine whether any potential impacts may be occurring that could affect human health or the environment.

1.2.1 Previous Recommendations

Based upon the results of the 2007 through 2009 annual monitoring events, the PRR issued in January 2010 recommended changes to the annual monitoring program. Based on collected data presented in the PRR, the NYSDEC requested the installation of two additional groundwater monitoring wells to sufficiently determine on-site groundwater flow and the completion of one additional round of groundwater sampling to confirm the general downward trend of concentrations of benzene, toluene, ethylbenzene, and toluene (BTEX) and solvent-related contaminant concentrations within on-site groundwater.

In order to address the previous recommendations, two groundwater monitoring wells were installed in December 2010 to evaluate on-site groundwater flow. The monitoring wells installed in December 2010 were screened at intervals consistent with monitoring well GP-09 in order to assess groundwater flow within a specific portion of the overburden aquifer.

1.3 PERIODIC REVIEW REPORT

The purpose of this PRR is to summarize the results of the October 2011 groundwater sampling event and annual groundwater gauging; and to provide sufficient documentation that the remedy

3 EA Engineering, P.C., and its affiliate EA Science and Technology, 2007. Site Management Plan for the Autohaus Site, East Rochester, Monroe County, New York (NYSDEC Site No. 828084). October.

remains in place, is performing properly and effectively, and is protective of public health and the environment. This report also documents any problems or changes necessary for the site to be in compliance with the SMP including removal of institutional controls/engineering controls that are no longer applicable, modifications in monitoring, as applicable, or including a Corrective Action Work Plan and schedule, as necessary.

1.4 REPORT ORGANIZATION

A summary of field activities and analytical results is included in Sections 2 and 3. Section 4 presents the results of the site management to date. Analytical results are summarized in table format. Section 5 presents recommendations for future site management.

The following are provided as appendixes:

- **Appendix A**—Daily Field Report
- **Appendix B**—Groundwater Sampling Forms
- **Appendix C**—Analytical Forms Is
- **Appendix D**—Waste Manifest.

2. GROUNDWATER MONITORING ACTIVITIES

Following the installation of the new groundwater monitoring wells, the annual groundwater sampling and gauging activities were completed by EA, in accordance with the SMP. The following sections summarize the field activities which took place on 22 October 2011.

2.1 MONITORING WELL GAUGING/GROUNDWATER FLOW

Prior to the start of the groundwater sampling event, water level measurements were taken from each monitoring location to prepare a groundwater contour map and evaluate groundwater flow patterns. In addition, an oil/water interface probe was used to measure non-aqueous phase liquid (NAPL) thickness (if any) in the groundwater monitoring locations. Monitoring well locations are illustrated on Figure 2.

Concurrent with the monitoring well gauging, a cursory inspection of each monitoring well was performed in order to determine evidence of vandalism or other damage to the wells. During this inspection, it was noted that monitoring well MW-09 had been damaged and was not in functional condition. As such, no gauging or sampling activities could be performed on the monitoring well.

2.2 GROUNDWATER SAMPLING AND ANALYSIS

The site monitoring wells were sampled in accordance with the SMP during the annual monitoring events. A total of seven groundwater samples were collected during this annual sampling event. Each well was purged using low-flow techniques (peristaltic pump) and water quality readings were allowed to stabilize prior to sample collection. Samples were collected in accordance with procedures outlined in the SMP utilizing a dedicated bailer. Samples were submitted to Life Science Laboratories of East Syracuse, New York for analysis of VOCs using U.S. Environmental Protection Agency (USEPA) Method 8260B in accordance with the NYSDEC Analytical Services Protocol. Daily field reports are included in Appendix A. Groundwater sampling forms are provided in Appendix B.

3. SITE MANAGEMENT RESULTS

This section presents the results of the field sampling activities conducted during the October 2011 annual groundwater sampling event. A summary of the results of the site management program to date is also presented.

3.1 GROUNDWATER ELEVATIONS

Groundwater elevations were calculated based on data from the shallow monitoring wells and piezometer. Water elevation data for each sampling event are summarized in the table below:

Monitoring Well / Piezometer	Measuring Point Elevation (ft AMSL)	Water Elevation (ft AMSL)				
		October 2007	October 2008	April 2009	December 2010	October 2011
MW-01	419.24	410.21	410.04	410.84	409.00	410.05
MW-08S	420.40	408.14	407.77	410.40	408.26	409.1
MW-08D	421.13	405.71	405.13	406.93	405.25	406.19
MW-09	430.78	406.05	405.48	406.15	---(a)	---(a)
MW-10	418.13	409.53	409.12	410.83	408.47	409.46
GP-09	418.35	405.83	405.19	406.37	405.50	406.64
MW-11	417.45	---(b)	---(b)	---(b)	405.96	407.16
MW-12	417.93	---(b)	---(b)	---(b)	406.64	406.73

(a) Monitoring well MW-09 observed to be unservicable during December 2010 gauging event.
(b) Monitoring wells MW-11 and MW-12 installed prior to December 2010 gauging event

NOTE: AMSL = Above mean sea level

The elevations of the shallow overburden monitoring wells were used to construct a groundwater flow map for each annual sampling event (Figures 3, 4, 5, 6, and 7). Based on the results of historic gauging, shallow groundwater flows were estimated to be generally to the north-northwest at the site. This indicated that groundwater appeared to be flowing locally towards the historic well field, and not towards the north-northeast as identified in the ROD[1]. Based on the available data, there appeared to be a slight groundwater divide in the center of the site with groundwater moving to the north and south of the divide.

After groundwater gauging completed in December 2010, groundwater flow appears to be better delineated with a slight north/south divide (Figure 6) and flow radiating outward. Groundwater elevations collected from the October 2011 sampling event indicate that groundwater flow is to the south, southeast, and east (Figure 7). Groundwater elevation data collected previously were not adequate to determine flow direction. As previously determined in the ROD[1], groundwater flow in the vicinity of the former drywell is to the north/northeast. However, groundwater also flows to the south and east-northeast. This localized sink could be the result of the previously completed excavation and backfill of the former drywell. The change in estimated groundwater flow direction appears to be the result of sufficient monitoring point location, which was

completed with the installation of monitoring wells MW-11 and MW-12 in December 2010. The estimated flow direction based upon the gauging data collected in December 2010 is illustrated in Figure 6.

3.2 GROUNDWATER ANALYTICAL DATA

Analytical results for aqueous and associated quality assurance/quality control (QA/QC) samples collected from site related monitoring wells were compared to NYSDEC AWQS and guidance values from the Division of Water and Technical and Operational Guidance Series 1.1.1 (August 1999) for Class GA groundwater. Analytical results from each annual sampling event are summarized in Tables 1 through 4 and illustrated on Figure 8.

Several VOCs have been detected during the 2007-2011 annual monitoring events with selected analytes sporadically detected greater than their corresponding AWQS. However, only one VOC, 1,2-dichlorobenzene, was consistently detected greater than the AWQS and only at one sampling location (GP-09).

3.2.1 October 2011 Analytical Data

Six VOCs were detected greater than their respective AWQS during the October 2011 annual sampling event at one location (GP-09).

- Acetone (57.7 µg/L) was detected greater than its AWQS of 50 µg/L.
- Benzene (1.13 µg/L) was detected greater than its AWQS of 1 µg/L.
- 1,2-Dichlorobenzene (67.3 µg/L) was detected greater than its AWQS of 5 µg/L.
- 1,4- Dichlorobenzene (3 µg/L) was detected equal to its AWQS of 3 µg/L.
- Ethylbenzene (5.09 µg/L) was detected greater than its AWQS of 5 µg/L.
- Total xylenes (14.6 µg/L) were detected greater than their AWQS of 5 µg/L.

Analytical data are provided in Appendix C.

3.3 INVESTIGATION DERIVED WASTE

In June 2011, a representative soil sample was collected from three drums of soil cuttings on-site that were collected during well installation in December 2010. The soil cuttings were inadvertently drummed as waste and did not exhibit sheen or odors. The sample was submitted to Life Science Laboratories of East Syracuse, New York for analysis by the toxicity characteristic leaching procedure (TCLP), a soil sample extraction method for chemical analysis employed as an analytical method to simulate leaching through a landfill. Contaminants of concern were not detected in the soil sample and the waste soil was characterized as non-hazardous. Analytical results are included in Appendix C. The three drums were collected and disposed by Environmental Products and Services of Vermont on 4 November 2011. The manifest is also included in Appendix D.

4. CONCLUSIONS AND RECOMMENDATIONS

Based upon the current SMP and sampling results from 2011 annual monitoring event, this section provides conclusions and recommendations for future site management activities in comparison to previous sampling events and historical site data. Any significant changes recommended and approved by the NYSDEC will be incorporated into an amended SMP.

4.1 CONCLUSIONS

4.1.1 Groundwater Gauging

Prior to annual gauging and dependent on the operation of potable extraction wells to the northwest, shallow groundwater flows were generally believed to be to the north-northwest at the site. After the potable extraction wells were decommissioned, and based on data generated during annual monitoring from 2007 to 2009, groundwater flow appeared to return to a north-northeast direction.

October 2007

Groundwater flow patterns indicate that the direction of groundwater flow near the former drywell is to the north-northeast. Groundwater flow in the southern portion of the site is to the south-southwest.

October 2008

Groundwater flow patterns indicate that the direction of groundwater flow near the former drywell source area is to the north. Groundwater flow in the southern portion of the site is to the south.

April 2009

Groundwater flow patterns indicate that groundwater flows near the former source area are to the north-northeast. Groundwater flows in the southern portion of the site are to the west-southwest.

December 2010

In December 2010, two additional monitoring wells (MW-11 and MW-12) were installed to provide adequate spatial coverage and capture a more accurate estimate of groundwater flow. Groundwater flow patterns indicate a radial flow pattern away from the site.

October 2011

Groundwater flow patterns, including data collected from MW-11 and MW-12, returned to a pattern consistent with October 2007, October 2008, and April 2009 towards the northeast near the former drywell and to the south in the southern portion of the site.

The general flow direction near the drywell is to the northeast, consistent with the ROD. The estimated groundwater surface indicates that previously derived contours were incomplete, but shared a similar pattern and provide evidence that hydraulic conditions at the site have not changed. The installation of the additional monitoring wells provides a more complete estimate of the groundwater surface and flow directions at the site.

However, it is noted that small localized sinks or divides could impact groundwater velocity and not be captured by the existing monitoring well network. During the well gauging and inspection, monitoring well MW-09 was observed to be damaged and unserviceable. This well was initially installed as an early detection well when the East Rochester Well field to the west of the site was in operation. The steel protective casing was bent and the polyvinyl chloride (PVC) riser was crushed and disconnected from the remaining screened well casing.

4.1.2 Groundwater Monitoring

Based on the annual groundwater sampling analytical data collected since 2007, nine VOCs (i.e., acetone, benzene, 1,2-dibromo-3-chloropropane, 1,2-dichlorobenzene, 1,4-dichlorobenzene, 1,1-dichloroethane, ethylbenzene, toluene, and total xylene) have been detected in on-site monitoring wells at concentrations greater than AWQS. Only benzene, 1,2-dichlorobenzene, 1,4-dichlorobenzene, ethylbenzene, toluene, and xylenes have been detected in more than one sampling event. Additionally, with the exception of MW-09 in 2007, reported concentrations greater than the respective AWQS have been restricted to one well, GP-09. Concentrations of VOCs detected in samples from the other monitoring wells have been less than the NYSDEC AWQS. Historical concentrations detected during sampling events are summarized below:

- 1,2-Dibromo-3-chloropropane was detected greater than its AWQS value of 0.04 µg/L within GP-09 (5.42 µg/L) during the October 2008 annual sampling event. This analyte was not detected greater than laboratory reporting limits during any other annual sampling event or in any historical data provided by the NYSDEC. Additionally, this compound was flagged as an estimated value. Because this compound was detected during only one sampling event, it is not considered to be a contaminant of concern.

- 1,2-Dichlorobenzene was detected within groundwater near the former drywell at a maximum concentration of 80.2 µg/L during the December 2010 sampling event. Recent sampling data from well GP-09 appears to indicate that the concentration of this analyte in groundwater is not decreasing. Annual monitoring indicates an average concentration of 55.2 µg/L with a high of 80.2 µg/L in December 2010 and a low of 9.36

µg/L in October 2008. Concentrations of 1,2-Dichlorobenzene have been consistently 20-25 times greater than the respective AQWS and is considered a contaminant of concern at the Site. However, 1,2-dichlorobenzene has not been detected in other wells greater than its AQWS.

- 1,4-Dichlorobenzene was detected at relatively low concentrations in each annual sampling event. The most recent groundwater sampling results reported 1,4-dichlorobenzene concentrations at GP-09 equal to or greater than its AWQS of 3 µg/L in 2009 (3.27 µg/L), 2010 (3.53 µg/L), and 2011 (3 µg/L). Historical site data indicate a maximum detection in groundwater of 9 µg/L during the 1997 post-IRM site characterization. Due to the relatively low historical levels of this compound and only the slight exceedence of AWQS in 2009 and 2010 annual sampling, 1,4-dichlorobenzene is not considered a contaminant of concern at this time.

- Acetone has been previously detected at concentrations far less than its AWQS of 50 µg/L. However during the October 2011 sampling event, acetone was detected at GP-09 at a concentration of 57.7 µg/L, which exceeds it AWQS. At this time acetone, is not considered a contaminant of concern.

- Benzene has consistently been detected in GP-09 at concentrations that slightly exceed its AWQS of 1 µg/L. The high concentration detected was 1.44 µg/L during the December 2010 sampling event. Benzene is considered a contaminant of concern.

- Ethylbenzene historically was detected in groundwater at a maximum concentration of 53.7 µg/L in well MW-01 (July 1990). Annual monitoring since 2007 has shown a decrease in concentrations within on-site groundwater. While slight exceedences to its AWQS of 5 µg/L were observed within GP-09 during 2007 (6.03 µg/L), 2009 (7.470 µg/L), 2010 (6.7 µg/L), and 2011 (5.09 µg/L) annual sampling events, the overall trend of decreasing concentrations has continued to date.

- Toluene was detected within on-site groundwater at a maximum concentration of 944 µg/L at MW-01 in July 1990. Annual monitoring has shown a decrease in concentrations within on-site groundwater. While exceedences of its AWQS of 5 µg/L were observed within GP-09 during 2007 (9.57 µg/L) and 2009 (21.7 µg/L), results from the 2010 and 2011 annual events reported concentration of 4.96 µg/L and 0.2 µg/L, respectively. Overall, it appears that concentrations of toluene have decreased to acceptable levels.

- Total xylenes concentrations were detected at a maximum concentration of 347 µg/L within MW-01 in July 1990. Annual monitoring has shown a decrease in concentrations within on-site groundwater. While exceedences to its AWQS of 5 µg/L were observed within GP-09 during 2007 (27.3 µg/L), 2009 (37.9 µg/L), 2010 (24 µg/L), and 2011 (14.6 µg/L) annual sampling events, the general trend of decreasing concentrations has continued to date.

No analytes were detected at the remaining monitoring wells at concentrations that exceed their applicable AWQS values during the October 2011 annual monitoring event.

Based upon historical and recent site data, it appears that the concentration of most analytes detected within onsite groundwater have decreased over time; with the exception of 1,2-dichlorobenzene, which has fluctuated between annual sampling events. However, total VOC concentrations at GP-09 appear to have neither decreased nor increased, and have been relatively consistent with the exception of October 2008. The primary contaminants of concern, in addition to 1,2-dichlorobenzene are BTEX, which are typically identified together as contaminants in soil and groundwater when petroleum or petroleum derivatives are released into the environment from storage tanks containing gasoline or other petroleum-related products.

4.2 RECOMMENDATIONS

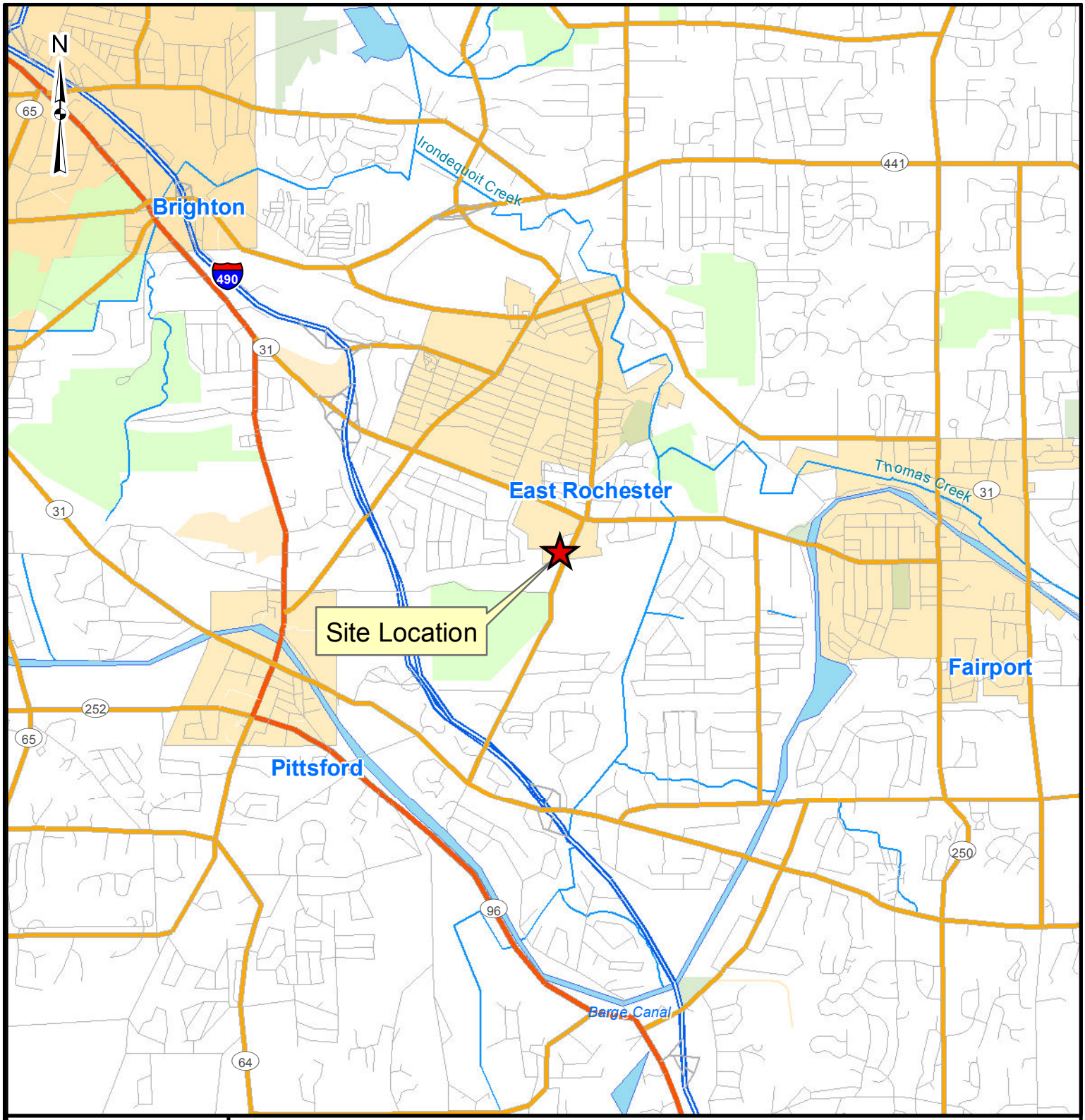
Based upon the data collected to date, the following recommendations are made:

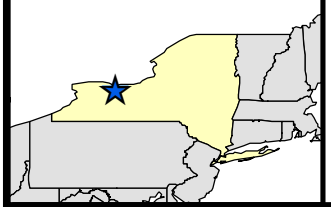
- **Continued Annual Groundwater Sampling:** Based upon analytical data collected to date, this site currently meets the goals stated in the ROD[1] of confirming the trend of declining groundwater contaminant concentrations within the wells at the site and may be a candidate for removal from the Registry. However, some contaminants continue to remain in groundwater at levels exceeding AWQS standards for Class GA groundwater. 1,2-Dichlorobenzene is consistently detected in groundwater at concentrations much greater than its AWQS. EA recommends that additional annual groundwater sampling be completed to further assess the trend of groundwater contamination at the site and justify eventual delisting of the site from the Registry. While fluctuating concentrations at GP-09 could reflect changing groundwater elevations (which have varied by as much as 1 foot between sampling events), overall total VOC concentrations appear to be steady at GP-09. Seasonal groundwater fluctuation could provide for interaction between impacted soil and groundwater resulting in small localized releases of contaminants. The number of wells that are sampled should be reduced to three wells (MW-01, GP-09, and MW-10). Since 2007, contaminants of concern have not been detected in MW-08S, MW-08D, or MW-10. Additionally, contaminants of concern have not been detected in MW-11 or MW-12. Monitoring should continue at GP-09 due to continued detection of contaminants of concern, while MW-01 and MW-10 would provide reference monitoring points.

- **Targeted Remediation:** It is recommended that targeted *in situ* remediation through either enhanced bioremediation or chemical oxidation be considered to expedite reduction in concentrations of COCs to less than AWQS. The contaminants of concern that exceed NYSDEC AWQS are limited to one well (GP-09) and migration has not been observed in nearby wells. Both aerobic and anaerobic biodegradation pathways exist for BTEX and 1,2-dichlorobenzene. A targeted remedial action could reduce contaminants of concern concentrations to less than NYSDEC AWQS at which point the site could be delisted and annual monitoring could eliminated.

- **Damaged Monitoring Well MW-09:** MW-09 was previously installed as an early detection well for the well field historically located to the west of the site. During the December 2010 monitoring event, MW-09 was observed to be damaged and was not able to be gauged or sampled. Due to the proximity of the monitoring well to the site and the groundwater flow direction identified during the December 2010 gauging event, EA believes that replacement of this well is not necessary at this time. However, the damaged well should be properly decommissioned in accordance with NYSDEC CP-43: Groundwater Monitoring Well Decommissioning Policy by perforating the casing and grouting in place. The top 5 ft of the PVC casing will be removed and the area restored to grade.

- **Groundwater Gauging/Flow Direction:** Prior to the 2010 gauging event, flow direction data derived from field sampling and gauging events appeared inconclusive. With the installation of two additional groundwater monitoring wells in December 2010, EA has confirmed a flow direction in the source area to the north-northeast, as previously identified in the ROD[1]. EA recommends additional on-site gauging activities to further confirm groundwater flow direction.





Legend

- Urban Areas
- Expressway/Interstate
- Highway
- Major Road
- Local Road
- Rivers (Local)
- Water (Local)
- National Park or Forest
- State Park or Forest

0 2

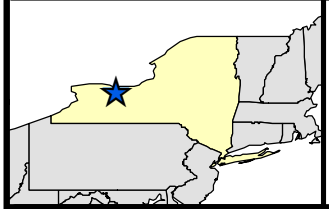
Miles

Source: ESRI STREETMAP 2005

AUTOHAUS OF ROCHESTER SITE (828084)
PERIODIC REVIEW REPORT
EAST ROCHESTER, NEW YORK

FIGURE 1
SITE LOCATION

PROJECT MGR:	DESIGNED BY:	CREATED BY:	CHECKED BY:	SCALE:	DATE:	PROJECT NO:	
CJS	DCC	DCC	CJS	AS SHOWN	FEBRUARY 2012	14474.05	\GIS\ Figure1_Loc.mxd



Legend

Property Boundary

Monitoring well

0 100

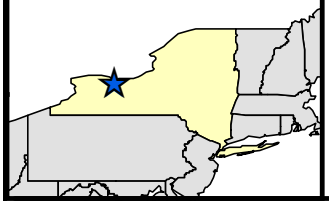
Feet

Source: NYS Office of Cyber Security and Critical Infrastructure Coordination (CSCIC)

AUTOHAUS OF ROCHESTER SITE (828084)
PERIODIC REVIEW REPORT
EAST ROCHESTER, NEW YORK

FIGURE 2
SITE DETAIL

PROJECT MGR:	DESIGNED BY:	CREATED BY:	CHECKED BY:	SCALE:	DATE:	PROJECT NO:	
CJS	DCC	DCC	CJS	AS SHOWN	FEBRUARY 2012	14474.05	\GIS\ Figure_2mxd



Legend

- Property Boundary
- Monitoring well
- Inferred Groundwater Flow Direction
- Groundwater Elevation Contour (Ft AMSL)

0 100

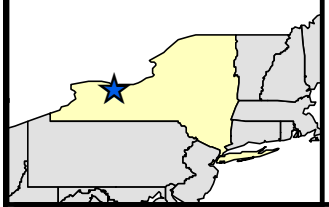
Feet

Source: NYS Office of Cyber Security and Critical Infrastructure Coordination (CSCIC)

AUTOHAUS OF ROCHESTER SITE (828084)
PERIODIC REVIEW REPORT
EAST ROCHESTER, NEW YORK

FIGURE 3
GROUNDWATER ELEVATIONS
OCTOBER 2007

PROJECT MGR:	DESIGNED BY:	CREATED BY:	CHECKED BY:	SCALE:	DATE:	PROJECT NO:	
CJS	DCC	DCC	CJS	AS SHOWN	FEBRUARY 2012	14474.05	\GIS\ Figure_3.mxd



Legend

- Property Boundary
- Monitoring well
- Inferred Groundwater Flow Direction
- Groundwater Elevation Contour (Ft AMSL)

0 100

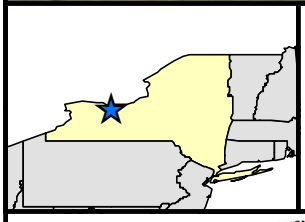
Feet

Source: NYS Office of Cyber Security and Critical Infrastructure Coordination (CSCIC)

AUTOHAUS OF ROCHESTER SITE (828084)
PERIODIC REVIEW REPORT
EAST ROCHESTER, NEW YORK

FIGURE 4
GROUNDWATER ELEVATIONS
OCTOBER 2008

PROJECT MGR:	DESIGNED BY:	CREATED BY:	CHECKED BY:	SCALE:	DATE:	PROJECT NO:	
CJS	DCC	DCC	CJS	AS SHOWN	FEBRUARY 2012	14474.05	\GIS\ FIGURE_4.MXD



Legend

- Property Boundary
- Monitoring well
- Inferred Groundwater Flow Direction
- Groundwater Elevation Contour (Ft AMSL)

0 50 100

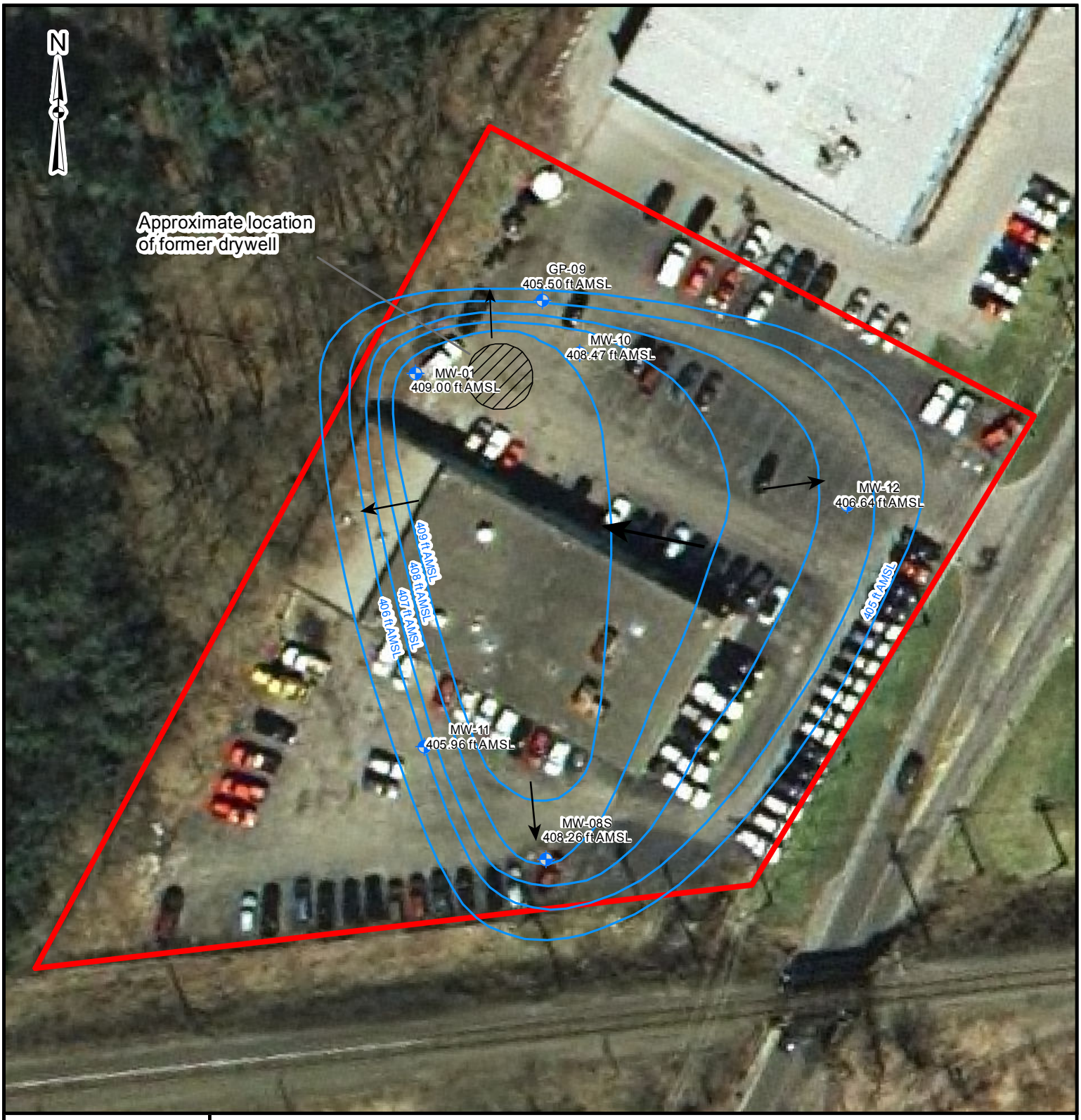
Feet

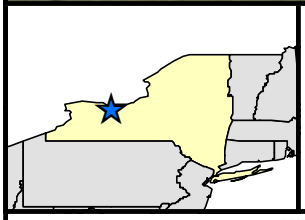
Source: NYS Office of Cyber Security and Critical Infrastructure Coordination (CSCIC)

AUTOHAUS OF ROCHESTER SITE (828084)
PERIODIC REVIEW REPORT
EAST ROCHESTER, NEW YORK

FIGURE 5
GROUNDWATER ELEVATIONS
APRIL 2009

PROJECT MGR:	DESIGNED BY:	CREATED BY:	CHECKED BY:	SCALE:	DATE:	PROJECT NO:	
CJS	DCC	DCC	CJS	AS SHOWN	FEBRUARY 2012	14474.05	/GIS/ FIGURE5.MXD





Legend

- Property Boundary
- Monitoring well
- Inferred Groundwater Flow Direction
- Groundwater Elevation Contour (Ft AMSL)

0 100

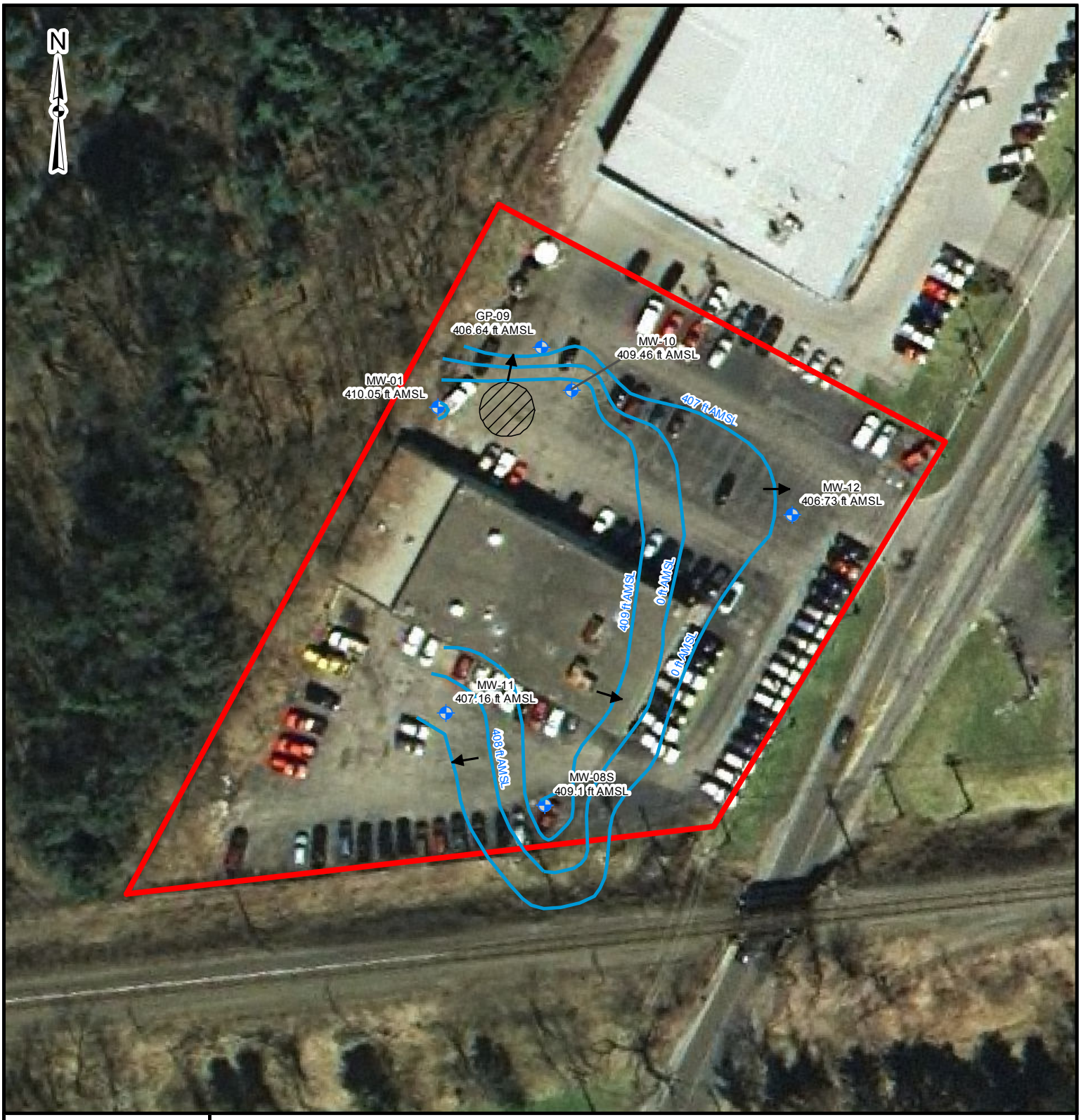
Feet

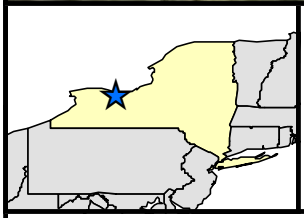
Source: NYS Office of Cyber Security and Critical Infrastructure Coordination (CSCIC)

AUTOHAUS OF ROCHESTER SITE (828084)
PERIODIC REVIEW REPORT
EAST ROCHESTER, NEW YORK

FIGURE 6
GROUNDWATER ELEVATIONS
DECEMBER 2010

PROJECT MGR:	DESIGNED BY:	CREATED BY:	CHECKED BY:	SCALE:	DATE:	PROJECT NO:	/GIS/
CJS	DCC	SAB	CJS	AS SHOWN	FEBRUARY 2012	14474.05	FIGURE6.MXD





Legend

- Property Boundary
- Monitoring well
- Inferred Groundwater Flow Direction
- Groundwater Elevation Contour (Ft AMSL)

0 100

Feet

Source: NYS Office of Cyber Security and Critical Infrastructure Coordination (CSCIC)

AUTOHAUS OF ROCHESTER SITE (828084)
PERIODIC REVIEW REPORT
EAST ROCHESTER, NEW YORK

FIGURE 7
GROUNDWATER ELEVATIONS
OCTOBER 2011

PROJECT MGR:	DESIGNED BY:	CREATED BY:	CHECKED BY:	SCALE:	DATE:	PROJECT NO:	/GIS/
CJS	DCC	SAB	CJS	AS SHOWN	FEB 2012	14474.05	FIGURE7.MXD

MW-09*	Oct-07	Oct-08	Apr-09
	µg/L	µg/L	µg/L
Acetone	ND	ND	1 J
Benzene	1.19	ND	0.51
1,2-Dichlorobenzene	2.6	0.16 J	2.92
1,1-Dichloroethane	5.77	2.7	3.42
1,2-Dichloropropane	ND	ND	0.16 J
Ethylbenzene	1.38	ND	1.05
Isopropylbenzene	0.69	ND	ND
Methyl tert-butyl ether	ND	0.75 J	0.52 J
Xylenes (total)	1.94	ND	1.34

GP-09	Oct-07	Oct-08	Apr-09	Dec-10	Oct-11
	µg/L	µg/L	µg/L	µg/L	µg/L
Acetone	5.16 J	4.51 J	7.92 J	9.71 J	57.7 J
Benzene	1.16	0.35 J	1.22	1.44	1.13
2-Butanone	ND	ND	3.16 J	1.33 J	1.33 J
Chlorobenzene	0.59	ND	ND	0.75	0.62
Chloroethane	0.58 J	ND	1.04 J	0.61 J	ND
Chloroform	ND	ND	ND	0.38 J	0.32 J
1,2-Dibromo-3-chloropropane	ND	5.42 J	ND	ND	ND
1,2-Dichlorobenzene	46.7 D	9.36	73.2 D	80.2	67.3
1,3-Dichlorobenzene	ND	ND	0.12 J	0.17 J	0.2 J
1,4-Dichlorobenzene	1.8	0.44 J	3.27	3.53	3
1,1-Dichloroethane	1.68	0.61	1.77	2.46	2.36
cis-1,2-Dichloroethene	0.22 J	ND	019 J	0.12 J	ND
1,2-Dichloropropane	0.27 J	ND	0.26 J	ND	ND
Ethylbenzene	6.03	0.71	7.47	6.7	5.1
Isopropylbenzene	0.84	ND	0.89	1.4	1.17
Methyl tert-butyl ether	1.73	ND	1.34	1.51	1.16
4-Methyl-2-pentanone	ND	ND	1.09 J	1.05 J	ND
Methylene chloride	0.15 J	ND	0.27 J	0.39 J	ND
Toluene	9.57	3	21.7	4.96	0.2
Trichloroethene	0.32 J	ND	0.51	0.81	0.67
Xylenes (total)	27.3	4.34	37.9	24	14.6

MW-01	Oct-07	Oct-08	Apr-09	Dec-10	Oct-11
	µg/L	µg/L	µg/L	µg/L	µg/L
Acetone	ND	ND	2.01 J	ND	8
1,2-Dichlorobenzene	1.7	0.25	1.71	0.8	0.56
1,3-Dichlorobenzene	0.51	0.24	0.47 J	0.39 J	0.26
1,4-Dichlorobenzene	2.13	0.51	2.3	1.92	1.19
1,1-Dichloroethane	ND	ND	0.63	0.25 J	0.18
cis-1,2-Dichloroethene	0.5	0.26	3.43	0.28 J	0.17
Ethylbenzene	0.1	ND	0.5	ND	ND
Isopropylbenzene	0.24	ND	0.12 J	ND	ND
Tetrachloroethene	3.06	1.72	2.51	1.91	1.54
Toluene	ND	ND	0.12 J	ND	ND
Trichloroethene	0.23	0.24	0.36 J	0.56	0.43
Xylenes (total)	ND	ND	1.4	ND	ND

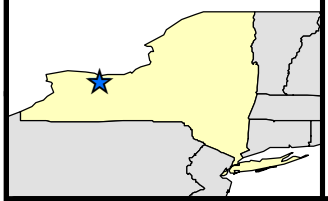
MW-12	Dec-10	Oct-12
	µg/L	µg/L
Dichlorodifluoromethane	0.19 J	ND

MW-10	Oct-07	Oct-08	Apr-09	Dec-10	Oct-11
	µg/L	µg/L	µg/L	µg/L	µg/L
Bromodichloromethane	ND	ND	ND	0.46 J	0.38
Chloroform	ND	ND	0.52	2.87	1.22

MW-11	Dec-10	Oct-12
	µg/L	µg/L
Toluene	0.13 J	0.13 J

MW-08S
No detections

MW-08D	Oct-07	Oct-08	Apr-09	Dec-10	Oct-11
	µg/L	µg/L	µg/L	µg/L	µg/L
Acetone	ND	ND	2.53 J	ND	ND
Bromodichloromethane	ND	ND	ND	0.15 J	0.15 J
Chloroform	ND	ND	ND	0.19 J	0.19 J
Carbon disulfide	ND	ND	0.12 J	ND	ND
Dibromochloromethane	ND	ND	ND	1.31	1.31



Legend

- Property Boundary
- J Detected value is an estimate
- **BOLD** Value detected is above Ambient Water Quality Standard
- ND Not Detected
- D Dilution
- Monitoring well

0 100

Feet

Source: NYS Office of Cyber Security and Critical Infrastructure Coordination (CSCIC)

AUTOHAUS OF ROCHESTER SITE (828084)
PERIODIC REVIEW REPORT
EAST ROCHESTER, NEW YORK

FIGURE 8
VOLATILE ORGANIC COMPOUNDS
IN GROUNDWATER SAMPLES

PROJECT MGR:	DESIGNED BY:	CREATED BY:	CHECKED BY:	SCALE:	DATE:	PROJECT NO:	
CJS	DCC	DCC	CJS	AS SHOWN	FEBRUARY 2012	14474.05	\GIS\ Figure_8.mxd

TABLE 1 SUMMARY OF VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER OCTOBER 2007

Parameter List USEPA Method 8260B	Sample ID	8-24-084-MW-01		8-28-084-MW-08S		8-28-084-MW-08D		8-24-084-MW-09		8-24-084-MW-10		NYSDEC Ambient Water Quality Standard Class GA (µg/L)
	Lab ID	0710091-005A		0710091-002A		0710091-003A		0710091-004A		0710091-001A		
	Sample Type	Groundwater		Groundwater		Groundwater		Groundwater		Groundwater		
	Sample Date	10/11/2007		10/11/2007		10/11/2007		10/11/2007		10/11/2007		
Acetone	µg/L	(<10)	U	(<10)	U	(<10)	U	(<10)	U	(<10)	U	50 (g)
Benzene	µg/L	(<0.5)	U	(<0.5)	U	(<0.5)	U	**1.19**		(<0.5)	U	1 (s)
Chlorobenzene	µg/L	(<0.5)	U	(<0.5)	U	(<0.5)	U	(<0.5)	U	(<0.5)	U	5 (s)
Chloroethane	µg/L	(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<1)	U	5 (s)
cis-1,2-Dichloroethene	µg/L	0.5		(<0.5)	U	(<0.5)	U	(<0.5)	U	(<0.5)	U	5 (s)
1,4- Dichlorobenzene	µg/L	2.13		(<0.5)	U	(<0.5)	U	(<0.5)	U	(<0.5)	U	3 (s)
1,3- Dichlorobenzene	µg/L	0.51		(<0.5)	U	(<0.5)	U	(<0.5)	U	(<0.5)	U	3 (s)
1,2- Dichlorobenzene	µg/L	1.7		(<0.5)	U	(<0.5)	U	2.6		(<0.5)	U	3 (s)
1,1- Dichloroethane	µg/L	(<0.5)	U	(<0.5)	U	(<0.5)	U	**5.77**		(<0.5)	U	5 (s)
1,2- Dichloropropane	µg/L	(<0.5)	U	(<0.5)	U	(<0.5)	U	(<0.5)	U	(<0.5)	U	1 (s)
Ethylbenzene	µg/L	0.1	J	(<0.5)	U	(<0.5)	U	1.38		(<0.5)	U	5 (s)
Isopropylbenzene	µg/L	0.24	J	(<0.5)	U	(<0.5)	U	(<0.5)	U	(<0.5)	U	5 (s)
Methyl tert-butyl ether	µg/L	(<1)	U	(<1)	U	(<1)	U	0.69		(<1)	U	---
Methylene chloride	µg/L	(<2)	U	(<2)	U	(<2)	U	(<2)	U	(<2)	U	5 (s)
Tetrachloroethene	µg/L	3.06		(<0.5)	U	(<0.5)	U	(<0.5)	U	(<0.5)	U	5 (s)
Toluene	µg/L	(<0.5)	U	(<0.5)	U	(<0.5)	U	(<0.5)	U	(<0.5)	U	5 (s)
Trichloroethene	µg/L	0.23	J	(<0.5)	U	(<0.5)	U	(<0.5)	U	(<0.5)	U	5 (s)
Xylenes (total)	µg/L	(<1)	U	(<1)	U	(<1)	U	1.94		(<1)	U	5 (s)

Parameter List USEPA Method 8260B	Sample ID	8-24-084-GP-09		8-24-084-Dup[a]		Trip Blank			NYSDEC Ambient Water Quality Standard Class GA (µg/L)
	Lab ID	0710091-006A		0710091-007A		0710091-008A			
	Sample Type	Groundwater		Groundwater		Groundwater			
	Sample Date	10/11/2007		10/11/2007		6/26/2007			
Acetone	µg/L	5.16	J	1.03	J	(<10)	U		50 (g)
Benzene	µg/L	**1.16**		(<0.5)	U	(<0.5)	U		1 (s)
Chlorobenzene	µg/L	0.59		(<0.5)	U	(<0.5)	U		5 (s)
Chloroethane	µg/L	0.58	J	(<1)	U	(<1)	U		5 (s)
cis-1,2-Dichloroethene	µg/L	0.22	J	(<0.5)	U	(<0.5)	U		5 (s)
1,4- Dichlorobenzene	µg/L	1.8		(<0.5)	U	(<0.5)	U		3 (s)
1,3- Dichlorobenzene	µg/L	(<0.5)	U	(<0.5)	U	(<0.5)	U		3 (s)
1,2- Dichlorobenzene	µg/L	**46.70**	D	(<0.5)	U	(<0.5)	U		3 (s)
1,1- Dichloroethane	µg/L	1.68		(<0.5)	U	(<0.5)	U		5 (s)
1,2- Dichloropropane	µg/L	0.27	J	(<0.5)	U	(<0.5)	U		1 (s)
Ethylbenzene	µg/L	**6.03**		(<0.5)	U	(<0.5)	U		5 (s)
Isopropylbenzene	µg/L	0.84		(<0.5)	U	(<0.5)	U		5 (s)
Methyl tert-butyl ether	µg/L	1.73		(<1)	U	(<1)	U		---
Methylene chloride	µg/L	0.15	J	(<2)	U	1.16	J		5 (s)
Tetrachloroethene	µg/L	(<0.5)	U	(<0.5)	U	(<0.5)	U		5 (s)
Toluene	µg/L	**9.57**		(<0.5)	U	(<0.5)	U		5 (s)
Trichloroethene	µg/L	0.32	J	(<0.5)	U	(<0.5)	U		5 (s)
Xylenes (total)	µg/L	**27.3**		(<1)	U	(<1)	U		5 (s)

(a) Duplicate was collected at 8-28-084-MW-08S

NOTE: USEPA = United States Environmental Protection Agency
NYSDEC = New State Department of Environmental Conservation
µg/L = Micrograms per Liter
U = The analyte was analyzed for, but was not detected above the sample reporting limit.
J = Analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
D = Dilution
Analytical data results provided by Life Science Laboratories. Data Validation completed by Environmental Data Validation, Inc.
Only analytes that had at least one detection from the data set are shown.
Bold values indicate that the analyte was detected above the NYSDEC AWQS. (g) Value is listed as a guidance value. (s) Value is listed as a standard value.

TABLE 2 SUMMARY OF VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER OCTOBER 2008

Parameter List USEPA Method 8260B	Sample ID Lab ID Sample Type Sample Date	8-24-084-MW-01 0810111-001A Groundwater 10/14/2008		8-28-084-MW-08S 0810111-002A Groundwater 10/14/2008		8-28-084-MW-08D 0810111-003A Groundwater 10/14/2008		8-24-084-MW-09 0810111-004A Groundwater 10/14/2008		8-24-084-MW-10 0810111-006A Groundwater 10/14/2008		NYSDEC Ambient Water Quality Standard Class GA (µg/L)
Acetone	µg/L	(<10)	U	(<10)	U	(<10)	U	(<10)	U	(<10)	U	50 (g)
Benzene	µg/L	(<0.5)	U	(<0.5)	U	(<0.5)	U	(<0.5)	U	(<0.5)	U	1 (s)
1,2- Dibromo-3-chloropropane	µg/L	(<5)	U	(<5)	U	(<5)	U	(<5)	U	(<5)	U	0.04 (s)
1,4- Dichlorobenzene	µg/L	0.51		(<0.5)	U	(<0.5)	U	(<0.5)	U	(<0.5)	U	3 (s)
1,2- Dichlorobenzene	µg/L	0.25	J	(<0.5)	U	(<0.5)	U	0.16	J	(<0.5)	U	3 s)
1,1- Dichloroethane	µg/L	0.24	J	(<0.5)	U	(<0.5)	U	2.7		(<0.5)	U	5 (s)
cis-1,2- Dichloroethene	µg/L	0.26	J	(<0.5)	U	(<0.5)	U	(<0.5)	U	(<0.5)	U	5 (s)
Ethylbenzene	µg/L	(<0.5)	U	(<0.5)	U	(<0.5)	U	(<0.5)	U	(<0.5)	U	5 (s)
Methyl tert-butyl ether	µg/L	(<1)	U	(<1)	U	(<1)	U	0.75	J	(<1)	U	---
Tetrachloroethene	µg/L	1.72		(<0.5)	U	(<0.5)	U	(<0.5)	U	(<0.5)	U	5 (s)
Toluene	µg/L	(<0.5)	U	(<0.5)	U	(<0.5)	U	(<0.5)	U	(<0.5)	U	5 (s)
Trichloroethene	µg/L	0.24	J	(<0.5)	U	(<0.5)	U	(<0.5)	U	(<0.5)	U	5 (s)
Xylenes (total)	µg/L	(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<1)	U	5 (s)

Parameter List USEPA Method 8260B	Sample ID Lab ID Sample Type Sample Date	8-24-084-GP-09 0810111-005A Groundwater 10/14/2008		8-24-084-Dup[a] 0810111-007A Groundwater 10/14/2008		Trip Blank 0810111-008A Groundwater 10/14/2008			NYSDEC Ambient Water Quality Standard Class GA (µg/L)
Acetone	µg/L	4.51	J	(<10)	U	(<10)	U		50 (g)
Benzene	µg/L	0.35	J	(<0.5)	U	(<0.5)	U		1 (s)
1,2- Dibromo-3-chloropropane	µg/L	**5.42**	J	(<5)	U	(<5)	U		0.04 (s)
1,4- Dichlorobenzene	µg/L	0.44	J	0.87		(<0.5)	U		3 (s)
1,2- Dichlorobenzene	µg/L	**9.36**		0.48	J	(<0.5)	U		3 s)
1,1- Dichloroethane	µg/L	0.61		0.29	J	(<0.5)	U		5 (s)
cis-1,2- Dichloroethene	µg/L	(<0.5)	U	0.73		(<0.5)	U		5 (s)
Ethylbenzene	µg/L	0.71		(<0.5)	U	(<0.5)	U		5 (s)
Methyl tert-butyl ether	µg/L	(<1)	U	(<1)	U	(<1)	U		---
Tetrachloroethene	µg/L	(<0.5)	U	1.8		(<0.5)	U		5 (s)
Toluene	µg/L	3		(<0.5)	U	(<0.5)	U		5 (s)
Trichloroethene	µg/L	(<0.5)	U	0.27	J	(<0.5)	U		5 (s)
Xylenes (total)	µg/L	4.34		(<1)	U	(<1)	U		5 (s)

(a) Duplicate was collected at 8-28-084-MW-01

NOTE: USEPA = United States Environmental Protection Agency
NYSDEC = New State Department of Environmental Conservation
µg/L = Micrograms per Liter
U = The analyte was analyzed for, but was not detected above the sample reporting limit.
J = Analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
Analytical data results provided by Life Science Laboratories. Data Validation completed by Environmental Data Validation, Inc.
Only analytes that had at least one detection from the data set are shown.
Bold values indicate that the analyte was detected above the NYSDEC AWQS. (g) Value is listed as a guidance value. (s) Value is listed as a standard value.

TABLE 3 SUMMARY OF VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER APRIL 2009

Parameter List USEPA Method 8260B	Sample ID	8-24-084-MW-01		8-28-084-MW-08S		8-28-084-MW-08D		8-24-084-MW-09		8-24-084-MW-10		NYSDEC Ambient Water Quality Standard Class GA (µg/L)
	Lab ID	0810111-001A		0810111-002A		0810111-003A		0810111-004A		0810111-006A		
	Sample Type	Groundwater		Groundwater		Groundwater		Groundwater		Groundwater		
	Sample Date	4/22/2009		4/22/2009		4/22/2009		4/22/2009		4/22/2009		
Acetone	µg/L	2.01	J	(<10)	U	2.53	J	1	J	(<10)	U	50 (g)
Benzene	µg/L	(<0.5)	U	(<0.5)	U	(<0.5)	U	0.51		(<0.5)	U	1 (s)
2- Butanone	µg/L	(<10)	U	(<10)	U	(<10)	U	(<10)	U	(<10)	U	---
Carbon disulfide	µg/L	(<0.5)	U	(<0.5)	U	0.12	J	(<0.5)	U	(<0.5)	U	---
Chloroethane	µg/L	(<1)	UJ	(<1)	UJ	(<1)	UJ	(<1)	UJ	(<1)	UJ	5 (s)
Chloroform	µg/L	(<0.5)	U	(<0.5)	U	(<0.5)	U	(<0.5)	U	0.52		7 (s)
1,2- Dichlorobenzene	µg/L	1.71		(<0.5)	U	(<0.5)	U	2.92		(<0.5)	U	3 (s)
1,3- Dichlorobenzene	µg/L	0.47	J	(<0.5)	U	(<0.5)	U	(<0.5)	U	(<0.5)	U	3 (s)
1,4- Dichlorobenzene	µg/L	2.3		(<0.5)	U	(<0.5)	U	(<0.5)	U	(<0.5)	U	3 (s)
1,1- Dichloroethane	µg/L	0.63		(<0.5)	U	(<0.5)	U	3.42		(<0.5)	U	5 (s)
cis-1,2- Dichloroethene	µg/L	3.43		(<0.5)	U	(<0.5)	U	(<0.5)	U	(<0.5)	U	5 (s)
1,2- Dichloropropane	µg/L	(<0.5)	U	(<0.5)	U	(<0.5)	U	0.16	J	(<0.5)	U	5 (s)
Ethylbenzene	µg/L	0.5		(<0.5)	U	(<0.5)	U	1.05		(<0.5)	U	5 (s)
Isopropylbenzene	µg/L	0.12	J	(<0.5)	U	(<0.5)	U	(<0.5)	U	(<0.5)	U	5 (s)
Methyl tert-butyl ether	µg/L	(<1)	U	(<1)	U	(<1)	U	0.52	J	(<1)	U	10 (g)
4- Methyl-2-pentanone	µg/L	(<5)	U	(<5)	U	(<5)	U	(<5)	U	(<5)	U	---
Methylene chloride	µg/L	(<2)	U	(<2)	U	(<2)	U	(<2)	U	(<2)	U	5 (s)
Tetrachloroethene	µg/L	2.51		(<0.5)	U	(<0.5)	U	(<0.5)	U	(<0.5)	U	5 (s)
Toluene	µg/L	0.12	J	(<0.5)	U	(<0.5)	U	(<0.5)	U	(<0.5)	U	5 (s)
Trichloroethene	µg/L	0.36	J	(<0.5)	U	(<0.5)	U	(<0.5)	U	(<0.5)	U	5 (s)
Xylenes (total)	µg/L	1.4		(<1)	U	(<1)	U	1.34		(<1)	U	5 (s)

Parameter List USEPA Method 8260B	Sample ID	8-24-084-GP-09		8-28-084-Dup01[(a)]		Trip Blank						NYSDEC Ambient Water Quality Standard Class GA (µg/L)
	Lab ID	0810111-005A		0904141-007A		0810111-008A						
	Sample Type	Groundwater		Groundwater		Groundwater						
	Sample Date	4/22/2009		4/22/2009		4/22/2009						
Acetone	µg/L	7.92	J	1.45	J	(<10)	U					50 (g)
Benzene	µg/L	**1.22**		(<0.5)	U	(<0.5)	U					1 (s)
2- Butanone	µg/L	3.16	J	(<10)	U	(<10)	U					---
Carbon disulfide	µg/L	(<0.5)	U	(<0.5)	U	(<0.5)	U					---
Chloroethane	µg/L	1.04	J	(<1)	UJ	(<1)	U					5 (s)
Chloroform	µg/L	(<0.5)	U	(<0.5)	U	(<0.5)	U					7 (s)
1,2- Dichlorobenzene	µg/L	**73.2**	D	1.83		(<0.5)	U					3 (s)
1,3- Dichlorobenzene	µg/L	0.12	J	0.5		(<0.5)	U					3 (s)
1,4- Dichlorobenzene	µg/L	**3.27**		2.43		(<0.5)	U					3 (s)
1,1- Dichloroethane	µg/L	1.77		0.62		(<0.5)	U					5 (s)
cis-1,2- Dichloroethene	µg/L	0.19	J	3.42		(<0.5)	U					5 (s)
1,2- Dichloropropane	µg/L	0.26	J	(<0.5)	U	(<0.5)	U					5 (s)
Ethylbenzene	µg/L	**7.47**		0.51		(<0.5)	U					5 (s)
Isopropylbenzene	µg/L	0.89		0.13	J	(<0.5)	U					5 (s)
Methyl tert-butyl ether	µg/L	1.34		(<1)	U	(<1)	U					10 (g)
4- Methyl-2-pentanone	µg/L	1.09	J	(<5)	U	(<5)	U					---
Methylene chloride	µg/L	0.27	J	0.18	J	(<2)	U					5 (s)
Tetrachloroethene	µg/L	(<0.5)	U	2.68		(<0.5)	U					5 (s)
Toluene	µg/L	**21.7**		0.13	J	(<0.5)	U					5 (s)
Trichloroethene	µg/L	0.51		0.37	J	(<0.5)	U					5 (s)
Xylenes (total)	µg/L	**37.9**		1.46		(<1)	U					5 (s)

(a) Duplicate was collected at 8-28-084-MW-01

NOTE: USEPA = United States Environmental Protection Agency
NYSDEC = New State Department of Environmental Conservation
µg/L = Micrograms per Liter
U = The analyte was analyzed for, but was not detected above the sample reporting limit.
J = Analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
D = Dilution
Analytical data results provided by Life Science Laboratories. Data Validation completed by Environmental Data Validation, Inc.
Only analytes that had at least one detection from the data set are shown.
Bold values indicate that the analyte was detected above the NYSDEC AWQS. (g) Value is listed as a guidance value. (s) Value is listed as a standard value.

TABLE 4 SUMMARY OF VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER DECEMBER 2010

Parameter List USEPA Method 8260B	Sample ID	8-24-084-MW-01		8-28-084-MW-08S		8-28-084-MW-08D		8-24-084-MW-10		8-24-084-MW-11		NYSDEC Ambient Water Quality Standard Class GA (µg/L)
	Lab ID	K1012255-003A		K1012255-004A		K1012255-005A		K1012255-002A		K1012255-006A		
	Sample Type	Groundwater		Groundwater		Groundwater		Groundwater		Groundwater		
	Sample Date	12/22/2010		12/22/2010		12/22/2010		12/22/2010		12/22/2010		
1,1-Dichloroethane	µg/L	0.25	J	(<0.5)	U	(<0.5)	U	(<0.5)	U	(<0.5)	U	5 (s)
1,2-Dichlorobenzene	µg/L	0.8		(<0.5)	U	(<0.5)	U	(<0.5)	U	(<0.5)	U	3 (s)
1,3-Dichlorobenzene	µg/L	0.39	J	(<0.5)	U	(<0.5)	U	(<0.5)	U	(<0.5)	U	3 (s)
1,4-Dichlorobenzene	µg/L	1.92		(<0.5)	U	(<0.5)	U	(<0.5)	U	(<0.5)	U	3 (s)
2-Butanone	µg/L	(<10)	U	(<10)	U	(<10)	U	(<10)	U	(<10)	U	---
4-Methyl-2-pentanone	µg/L	(<5)	U	(<5)	U	(<5)	U	(<5)	U	(<5)	U	---
Acetone	µg/L	(<10)	U	(<10)	U	(<10)	U	(<10)	U	(<10)	U	50 (g)
Benzene	µg/L	(<0.5)	U	(<0.5)	U	(<0.5)	U	(<0.5)	U	(<0.5)	U	1 (s)
Bromodichloromethane	µg/L	(<0.5)	U	(<0.5)	U	0.15	J	0.46	J	(<0.5)	U	50 (g)
Chlorobenzene	µg/L	(<0.5)	U	(<0.5)	U	(<0.5)	U	(<0.5)	U	(<0.5)	U	5 (s)
Chloroethane	µg/L	(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<1)	U	5 (s)
Chloroform	µg/L	(<0.5)	U	(<0.5)	U	0.19	J	2.87		(<0.5)	U	7 (s)
cis-1,2-Dichloroethene	µg/L	0.28	J	(<0.5)	U	(<0.5)	U	(<0.5)	U	(<0.5)	U	5 (s)
Dibromochloromethane	µg/L	(<0.5)	U	(<0.5)	U	1.31		(<0.5)	U	(<0.5)	U	50 (s)
Dichlorodifluoromethane	µg/L	(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<1)	U	5 (s)
Ethylbenzene	µg/L	(<0.5)	U	(<0.5)	U	(<0.5)	U	(<0.5)	U	(<0.5)	U	5 (s)
Isopropylbenzene	µg/L	(<0.5)	U	(<0.5)	U	(<0.5)	U	(<0.5)	U	(<0.5)	U	5(s)
Methyl tert-butyl ether	µg/L	(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<1)	U	10 (g)
Methylene chloride	µg/L	(<2)	U	(<2)	U	(<2)	U	(<2)	U	(<2)	U	5 (s)
Tetrachloroethene	µg/L	1.91		(<0.5)	U	(<0.5)	U	(<0.5)	U	(<0.5)	U	5 (s)
Toluene	µg/L	(<0.5)	U	(<0.5)	U	(<0.5)	U	(<0.5)	U	0.13	J	5 (s)
Trichloroethene	µg/L	0.56		(<0.5)	U	(<0.5)	U	(<0.5)	U	(<0.5)	U	5 (s)
Xylenes (total)	µg/L	(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<1)	U	5 (s)

Parameter List USEPA Method 8260B	Sample ID	8-24-084-MW-12		8-24-084-GP-09		8-28-084-MW-DUP[(a)]		Trip Blank				NYSDEC Ambient Water Quality Standard Class GA (µg/L)
	Lab ID	K1012255-007A		K1012255-001A		K1012255-008A		K1012255-009A				
	Sample Type	Groundwater		Groundwater		QA/QC Duplicate		QA/QC Trip Blank				
	Sample Date	12/22/2010		12/22/2010		12/22/2010		12/22/2010				
1,1-Dichloroethane	µg/L	(<0.5)	U	2.46		0.25	J	(<0.5)	U			5 (s)
1,2-Dichlorobenzene	µg/L	(<0.5)	U	**80.2**		0.71		(<0.5)	U			3 (s)
1,3-Dichlorobenzene	µg/L	(<0.5)	U	0.17	J	0.39	J	(<0.5)	U			3 (s)
1,4-Dichlorobenzene	µg/L	(<0.5)	U	**3.53**		1.87		(<0.5)	U			3 (s)
2-Butanone	µg/L	(<10)	U	1.33	J	(<10)	U	(<10)	U			---
4-Methyl-2-pentanone	µg/L	(<5)	U	1.05	J	(<5)	U	(<5)	U			---
Acetone	µg/L	(<10)	U	9.71	J	(<10)	U	(<10)	U			50 (g)
Benzene	µg/L	(<0.5)	U	**1.44**		(<0.5)	U	(<0.5)	U			1 (s)
Bromodichloromethane	µg/L	(<0.5)	U	(<0.5)	U	(<0.5)	U	(<0.5)	U			50 (g)
Chlorobenzene	µg/L	(<0.5)	U	0.75		(<0.5)	U	(<0.5)	U			5 (s)
Chloroethane	µg/L	(<1)	U	0.61	J	(<1)	U	(<1)	U			5 (s)
Chloroform	µg/L	(<0.5)	U	0.38	J	(<0.5)	U	0.13	J			7 (s)
cis-1,2-Dichloroethene	µg/L	(<0.5)	U	0.12	J	0.27	J	(<0.5)	U			5 (s)
Dibromochloromethane	µg/L	(<0.5)	U	(<0.5)	U	(<0.5)	U	(<0.5)	U			50 (s)
Dichlorodifluoromethane	µg/L	0.19	J	(<1)	U	(<1)	U	(<1)	U			5(s)
Ethylbenzene	µg/L	(<0.5)	U	**6.7**		(<0.5)	U	(<0.5)	U			5(s)
Isopropylbenzene	µg/L	(<0.5)	U	1.4		(<0.5)	U	(<0.5)	U			5(s)
Methyl tert-butyl ether	µg/L	(<1)	U	1.51		(<1)	U	(<1)	U			10 (g)
Methylene chloride	µg/L	(<2)	U	0.39	J	(<2)	U	0.41	J			5 (s)
Tetrachloroethene	µg/L	(<0.5)	U	0.11		1.87		0.5	J			5 (s)
Toluene	µg/L	(<0.5)	U	4.96		(<0.5)	U	(<0.5)	U			5 (s)
Trichloroethene	µg/L	(<0.5)	U	0.81		0.55		(<0.5)	U			5 (s)
Xylenes (total)	µg/L	(<1)	U	**24**		(<1)	U	(<1)	U			5 (s)

(a) Duplicate was collected at 8-28-084-MW-01

NOTE: USEPA = United States Environmental Protection Agency
NYSDEC = New State Department of Environmental Conservation
µg/L = Micrograms per Liter
U = The analyte was analyzed for, but was not detected above the sample reporting limit.
J = Analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
QA/QC = Quality Assurance/Quality Control
Analytical data results provided by Life Science Laboratories.
Only analytes that had at least one detection from the data set are shown.
Bold values indicate that the analyte was detected above the NYSDEC AWQS. (g) Value is listed as a guidance value. (s) Value is listed as a standard value.

TABLE 5 SUMMARY OF VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER OCTOBER 2011

Parameter List USEPA Method 8260B	Sample ID Lab ID Sample Type Sample Date	8-24-084-MW-01 K1012255-003A Groundwater 10/25/2011		8-28-084-MW-08S K1012255-004A Groundwater 10/25/2011		8-28-084-MW-08D K1012255-005A Groundwater 10/25/2011		8-24-084-MW-10 K1012255-002A Groundwater 10/25/2011		8-24-084-MW-11 K1012255-006A Groundwater 10/25/2011		NYSDEC Ambient Water Quality Standard Class GA (µg/L)
1,1-Dichloroethane	µg/L	0.18		(<0.5)	U	(<0.5)	U	(<0.5)	U	(<0.5)	U	5 (s)
1,2-Dichlorobenzene	µg/L	0.56		(<0.5)	U	(<0.5)	U	(<0.5)	U	(<0.5)	U	3 (s)
1,3-Dichlorobenzene	µg/L	0.26		(<0.5)	U	(<0.5)	U	(<0.5)	U	(<0.5)	U	3 (s)
1,4-Dichlorobenzene	µg/L	1.19		(<0.5)	U	(<0.5)	U	(<0.5)	U	(<0.5)	U	3 (s)
2-Butanone	µg/L	(<10)	U	(<10)	U	(<10)	U	(<10)	U	(<10)	U	---
Acetone	µg/L	8		(<10)	U	(<10)	U	(<10)	U	(<10)	U	50 (g)
Benzene	µg/L	(<0.5)	U	(<0.5)	U	(<0.5)	U	(<0.5)	U	(<0.5)	U	1 (s)
Bromodichloromethane	µg/L	(<0.5)	U	(<0.5)	U	0.15	J	0.38		(<0.5)	U	50 (g)
Chlorobenzene	µg/L	(<0.5)	U	(<0.5)	U	(<0.5)	U	(<0.5)	U	(<0.5)	U	5 (s)
Chloroform	µg/L	(<0.5)	U	(<0.5)	U	0.19	J	1.22		(<0.5)	U	7 (s)
cis-1,2-Dichloroethene	µg/L	0.17		(<0.5)	U	(<0.5)	U	(<0.5)	U	(<0.5)	U	5 (s)
Dibromochloromethane	µg/L	(<0.5)	U	(<0.5)	U	1.31		(<0.5)	U	(<0.5)	U	50 (s)
Dichlorodifluoromethane	µg/L	(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<1)	U	5 (s)
Ethylbenzene	µg/L	(<0.5)	U	(<0.5)	U	(<0.5)	U	(<0.5)	U	(<0.5)	U	5 (s)
Isopropylbenzene	µg/L	(<0.5)	U	(<0.5)	U	(<0.5)	U	(<0.5)	U	(<0.5)	U	5(s)
Methyl tert-butyl ether	µg/L	(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<1)	U	10 (g)
Tetrachloroethene	µg/L	1.54		(<0.5)	U	(<0.5)	U	(<0.5)	U	(<0.5)	U	5 (s)
Toluene	µg/L	(<0.5)	U	(<0.5)	U	(<0.5)	U	(<0.5)	U	0.13	J	5 (s)
Trichloroethene	µg/L	0.43		(<0.5)	U	(<0.5)	U	(<0.5)	U	(<0.5)	U	5 (s)
Xylenes (total)	µg/L	(<1)	U	(<1)	U	(<1)	U	(<1)	U	(<1)	U	5 (s)

Parameter List USEPA Method 8260B	Sample ID Lab ID Sample Type Sample Date	8-24-084-MW-12 K1012255-007A Groundwater 10/25/2011		8-24-084-GP-09 K1012255-001A Groundwater 10/25/2011		8-28-084-MW-DUP[(a)] K1012255-008A QA/QC Duplicate 10/25/2011		Trip Blank K1012255-009A QA/QC Trip Blank 10/25/2011			NYSDEC Ambient Water Quality Standard Class GA (µg/L)
1,1-Dichloroethane	µg/L	(<0.5)	U	2.36		0.18	J	(<0.5)	U		5 (s)
1,2-Dichlorobenzene	µg/L	(<0.5)	U	**67.3**		0.51		(<0.5)	U		3 (s)
1,3-Dichlorobenzene	µg/L	(<0.5)	U	0.2	J	0.26	J	(<0.5)	U		3 (s)
1,4-Dichlorobenzene	µg/L	(<0.5)	U	**3**		1.18		(<0.5)	U		3 (s)
2-Butanone	µg/L	(<10)	U	1.33	J	(<10)	U	(<10)	U		---
Acetone	µg/L	(<10)	U	**57.7**	J	(<10)	U	(<10)	U		50 (g)
Benzene	µg/L	(<0.5)	U	**1.13**		(<0.5)	U	(<0.5)	U		1 (s)
Bromodichloromethane	µg/L	(<0.5)	U	(<0.5)	U	(<0.5)	U	(<0.5)	U		50 (g)
Chlorobenzene	µg/L	(<0.5)	U	0.62		(<0.5)	U	(<0.5)	U		5 (s)
Chloroform	µg/L	(<0.5)	U	0.32	J	(<0.5)	U	(<0.5)	U		7 (s)
cis-1,2-Dichloroethene	µg/L	(<0.5)	U	(<0.5)	U	0.16	J	(<0.5)	U		5 (s)
Ethylbenzene	µg/L	(<0.5)	U	**5.09**		(<0.5)	U	(<0.5)	U		5(s)
Isopropylbenzene	µg/L	(<0.5)	U	1.17		(<0.5)	U	(<0.5)	U		5(s)
Methyl tert-butyl ether	µg/L	(<1)	U	1.16		(<1)	U	(<1)	U		10 (g)
Tetrachloroethene	µg/L	(<0.5)	U	(<0.5)	U	1.42		(<0.5)	U		5 (s)
Toluene	µg/L	(<0.5)	U	0.2		(<0.5)	U	(<0.5)	U		5 (s)
Trichloroethene	µg/L	(<0.5)	U	0.67		0.43		(<0.5)	U		5 (s)
Xylenes (total)	µg/L	(<1)	U	**14.6**		(<1)	U	(<1)	U		5 (s)

(a) Duplicate was collected at 8-28-084-MW-01

NOTE: USEPA = United States Environmental Protection Agency
NYSDEC = New State Department of Environmental Conservation
µg/L = Micrograms per Liter
U = The analyte was analyzed for, but was not detected above the sample reporting limit.
J = Analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
QA/QC = Quality Assurance/Quality Control
Analytical data results provided by Life Science Laboratories.
Only analytes that had at least one detection from the data set are shown.
Bold values indicate that the analyte was detected above the NYSDEC AWQS. (g) Value is listed as a guidance value. (s) Value is listed as a standard value.

Appendix A

Daily Field Report

DAILY OBSERVATION REPORT **Day: TUESDAY** **Date: 10/25/2011**

NYSDEC

Temperature: (F) 50 (am) 60 (pm)

Wind Direction: SE (am) SE (pm)

Weather: (am) cold, sunny
(pm) cool, sunny

Project Name
Autohaus Site
NYSDEC Site # 8-28-084

Contract # D-004441.05

East Rochester, New York

Arrive at site 830 (am)

Leave site: 330 (pm)

HEALTH & SAFETY:

Are there any changes to the Health & Safety Plan? Yes ( ) No (x)
(If yes, list the deviation under items for concern)

Are monitoring results at acceptable levels?

Soil	Yes ( )	n/a (x)	* No ( )
Waters	Yes ( )	n/a (x)	* No ( )
Air	Yes ( )	n/a (x)	* No ( )

- *If No, provide comments*

OTHER ITEMS:

Site Sketch Attached: Yes ( ) No (x)
Photos Taken: Yes ( ) No (x)

DESCRIPTION OF DAILY WORK PERFORMED:

EA Onsite at 830 am, gauged entire well network.

All wells sampled with peristaltic pump using low flow techniques, allowing parameters to stabilize prior to collecting samples.

Duplicate sample collected at MW-01, MS/MSD at MW-08D

EA offsite at 330 pm

PROJECT TOTALS:

SAMPLING (Soil/Water/Air) NA

Contractor Sample ID:	DEC Sample ID:	Description:
MW-01, MW-08S, MW-08D, MW-10, MW-11, MW-12, GP-09		Groundwater samples for VOCs by 8260 B. MS/MSD at MW-08D, Duplicate at MW-01.

DAILY OBSERVATION REPORT Day: TUESDAY Date: 10/25/2011

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

(Name of contractor) personnel: Sean Blakeney, Sarah Nelson

(Name of Subcontractor) personnel:

(Name of contractor) equipment: Peristaltic Pump (Geopump II), water level indicator, Horiba U-52

(*Indicates active equipment)

Other Subcontractors:

VISITORS TO SITE:

1. NA

PROJECT SCHEDULE ISSUES:

NA

PROJECT BUDGET ISSUES:

None.

ITEMS OF CONCERN:

None

COMMENTS:

None

ATTACHMENT(S) TO THIS REPORT:

SITE REPRESENTATIVE:

Name: *Sean Blakeney*
Sarah Nelson

cc:

Photolog

Appendix B

Groundwater Sampling Forms

EA Engineering PC and its Affliate,
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-01	**EA Personnel:** S. Blakeney / S. Nelson	**Client:** NYSDEC
Location: Rochester Autohaus	**Well Condition:** Good	**Weather:** 65 F, sunny
Sounding Method: WLI	**Gauge Date:** 25-Oct-11	**Measurement Ref:** Top of Casing
Stick Up/Down (ft): Down 6in.	**Gauge Time:** 1420	**Well Diameter (in):** 2 in.

Purge Date: 25-Oct-11	**Purge Time:** 1422 - 1502
Purge Method: Peristaltic Pump - low flow purge/sample	**Field Technician:** S. Blakeney / S. Nelson

Well Volume

A. Well Depth (ft): 23.85	**D. Well Volume (ft):** 0.16	**Depth/Height of Top of PVC:** Down 6 in.
B. Depth to Water (ft): 9.19	**E. Well Volume (gal) C*D):** 2.3456	**Pump Type:** Geopump and dedicated tubing
C. Liquid Depth (ft) (A-B): 14.66	**F. Five Well Volumes (gal) (E3):** 7.0368	**Pump Designation:** peristaltic pump

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (liters)	Rate (Gpm)	pH (pH units)	ORP (mV)	Temperature (oC)	Conductivity (uS/cm)	DO (ug/L)	Turbidity (ntu)
1426	10.90	1	0.25	7.28	-105	16.33	0.518	0.23	8.1
1430	10.96	2	0.25	7.20	-114	15.93	0.524	0.15	6.3
1434	11.04	3	0.25	7.16	-118	15.66	0.529	0.11	8.7
1438	11.16	4	0.25	7.14	-121	15.48	0.532	0.10	6.6
1442	11.24	5	0.25	7.12	-123	15.36	0.531	0.10	5.8
1446	11.26	6	0.25	7.11	-123	15.26	0.525	0.49	6.0
1450	11.29	7	0.25	7.10	-120	15.20	0.518	2.25	5.9
1454	11.29	8	0.25	7.09	-117	15.12	0.516	2.16	5.2
1458	11.29	9	0.25	7.08	-116	15.11	0.516	2.16	5.3
1502	11.29	10	0.25	7.08	-116	15.10	0.516	2.12	5.5

Total Quantity of Water Removed (Liters): 10
Samplers: SB/SN
Sampling Date: 25-Oct-11
Sampling Time: 1505
Split Sample With: DUP
Sample Type: GW

COMMENTS AND OBSERVATIONS:

EA Engineering PC and its Affliate,
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-8S	**EA Personnel:** S. Blakeney / S. Nelson	**Client:** NYSDEC
Location: Rochester Autohaus	**Well Condition:** good	**Weather:** cold, 45 F, sunny
Sounding Method: WLI	**Gauge Date:** 25-Oct-11	**Measurement Ref:** Top of Casing
Stick Up/Down (ft): up 1ft	**Gauge Time:** 843	**Well Diameter (in):** 2 in.

Purge Date: 25-Oct-11	**Purge Time:** 0909 - 0937
Purge Method: Peristaltic Pump - low flow purge/sample	**Field Technician:** S. Blakeney / S. Nelson

Well Volume

A. Well Depth (ft): 24.22	**D. Well Volume (ft):** 0.16	**Depth/Height of Top of PVC:** up 1ft
B. Depth to Water (ft): 11.3	**E. Well Volume (gal) C*D):** 2.0672	**Pump Type:** Geopump and dedicated tubing
C. Liquid Depth (ft) (A-B): 12.92	**F. Five Well Volumes (gal) (E3):** 6.2016	**Pump Designation:** peristaltic pump

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (liters)	Rate (Gpm)	pH (pH units)	ORP (mV)	Temperature (oC)	Conductivity (uS/cm)	DO (ug/L)	Turbidity (ntu)
913	11.69	1	0.25	9.30	4	16.04	0.503	7.09	71.9
917	11.69	2	0.25	8.28	86	15.67	0.487	6.62	39.2
921	11.68	3	0.25	8.05	108	15.68	0.486	6.70	49.3
925	11.69	4	0.25	7.77	122	16.45	0.481	6.71	34.8
929	11.68	5	0.25	7.68	125	16.59	0.481	6.52	43.0
933	12.03	6	0.25	7.64	130	16.54	0.479	6.38	43.1
937	12.01	7	0.25	7.58	134	16.51	0.479	6.39	35.4

Total Quantity of Water Removed (liters):	7	**Sampling Time:**	939
Samplers:	SB/SN	**Split Sample With:**	-
Sampling Date:	25-Oct-11	**Sample Type:**	GW

COMMENTS AND OBSERVATIONS:

EA Engineering PC and its Affliate,
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-8D	**EA Personnel:** S. Blakeney / S. Nelson	**Client:** NYSDEC
Location: Rochester Autohaus	**Well Condition:** good	**Weather:** sunny, 50 F
Sounding Method: WLI	**Gauge Date:** 25-Oct-11	**Measurement Ref:** Top of Casing
Stick Up/Down (ft): up 2ft	**Gauge Time:** 942	**Well Diameter (in):** 2 in.

Purge Date: 25-Oct-11	**Purge Time:** 944 - 1005
Purge Method: Peristaltic Pump - low flow purge/sample	**Field Technician:** S. Blakeney / S. Nelson

Well Volume

A. Well Depth (ft): 71.95	**D. Well Volume (ft):** 0.16	**Depth/Height of Top of PVC:** up 2ft
B. Depth to Water (ft): 14.94	**E. Well Volume (gal) C*D):** 9.1216	**Pump Type:** Geopump and dedicated tubing
C. Liquid Depth (ft) (A-B): 57.01	**F. Five Well Volumes (gal) (E3):** 27.3648	**Pump Designation:** peristaltic pump

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (liters)	Rate (Gpm)	pH (pH units)	ORP (mV)	Temperature (oC)	Conductivity (uS/cm)	DO (ug/L)	Turbidity (ntu)
945	15.04	1	0.25	8.83	101	15.24	0.329	6.55	52.7
949	15.04	2	0.25	10.02	76	14.71	0.341	6.00	28.6
953	15.04	3	0.25	10.52	70	14.61	0.344	5.91	21.4
957	15.04	4	0.25	10.39	64	14.41	0.346	5.86	16.1
1001	15.04	5	0.25	10.48	60	14.31	0.347	5.87	16.8
1005	15.05	6	0.25	10.53	56	14.30	0.348	5.73	12.4

Total Quantity of Water Removed (liters): 6
Samplers: SB/SN
Sampling Date: 25-Oct-11
Sampling Time: 1007
Split Sample With: MS/MSD
Sample Type: GW

COMMENTS AND OBSERVATIONS:

EA Engineering PC and its Affliate,
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-10	**EA Personnel:** S. Blakeney / S. Nelson	**Client:** NYSDEC
Location: Rochester Autohaus	**Well Condition:** good	**Weather:** partly sunny, 60 F
Sounding Method: WLI	**Gauge Date:** 25-Oct-11	**Measurement Ref:** Top of Casing
Stick Up/Down (ft): down 6 in.	**Gauge Time:** 1336	**Well Diameter (in):** 2 in.

Purge Date: 25-Oct-11	**Purge Time:** 1342 - 1414
Purge Method: Peristaltic Pump - low flow purge/sample	**Field Technician:** S. Blakeney / S. Nelson

Well Volume

A. Well Depth (ft): 18.31	**D. Well Volume (ft):** 0.16	**Depth/Height of Top of PVC:** Down 6 in.
B. Depth to Water (ft): 8.67	**E. Well Volume (gal) C*D):** 1.5424	**Pump Type:** Geopump and dedicated tubing
C. Liquid Depth (ft) (A-B): 9.64	**F. Five Well Volumes (gal) (E3):** 4.6272	**Pump Designation:** perstaltic pump

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (liters)	Rate (Gpm)	pH (pH units)	ORP (mV)	Temperature (oC)	Conductivity (uS/cm)	DO (ug/L)	Turbidity (ntu)
1346	9.05	1	0.25	7.57	86	16.34	0.609	9.98	5.7
1350	9.10	2	0.25	7.53	95	16.51	0.609	9.90	1.8
1354	9.15	3	0.25	7.50	104	16.62	0.608	9.79	0
1358	9.20	4	0.25	7.49	109	16.70	0.606	9.71	0
1402	9.20	5	0.25	7.47	113	16.76	0.617	9.62	0
1406	9.25	6	0.25	7.46	115	16.87	0.620	9.60	0
1410	9.30	7	0.25	7.45	120	13.90	0.624	9.57	0
1414	9.30	8	0.25	7.45	122	16.91	0.628	9.54	0

Total Quantity of Water Removed (liters): 8
Samplers: SB/SN
Sampling Date: 25-Oct-11
Sampling Time: 1415
Split Sample With: -
Sample Type: GW

COMMENTS AND OBSERVATIONS: well head was full of water that covered the well plug, had to remove water before collecting the sample

EA Engineering PC and its Affliate,
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-11	**EA Personnel:** S. Blakeney / S. Nelson	**Client:** NYSDEC
Location: Rochester Autohaus	**Well Condition:** good	**Weather:** sunny, 50 F
Sounding Method: WLI	**Gauge Date:** 25-Oct-11	**Measurement Ref:** Top of Casing
Stick Up/Down (ft): Down 6 in.	**Gauge Time:** 1028	**Well Diameter (in):** 1 in.

Purge Date: 25-Oct-11	**Purge Time:** 1033 - 1059
Purge Method: Peristaltic Pump - low flow purge/sample	**Field Technician:** S. Blakeney / S. Nelson

Well Volume

A. Well Depth (ft): 28.75	**D. Well Volume (ft):** 0.04	**Depth/Height of Top of PVC:** down 1 in.
B. Depth to Water (ft): 10.29	**E. Well Volume (gal) C*D):** 0.7384	**Pump Type:** Geopump and dedicated tubing
C. Liquid Depth (ft) (A-B): 18.46	**F. Five Well Volumes (gal) (E3):** 2.2152	**Pump Designation:** peristaltic pump

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (liters)	Rate (Gpm)	pH (pH units)	ORP (mV)	Temperature (oC)	Conductivity (uS/cm)	DO (ug/L)	Turbidity (ntu)
1035		1	0.25	9.06	110	14.97	0.415	230	140
1039		2	0.25	8.98	79	14.99	0.469	9.34	46.0
1043		3	0.25	8.33	48	14.89	0.469	9.25	39.1
1047		4	0.25	8.06	34	14.83	0.477	8.56	33.4
1051		5	0.25	7.96	32	14.85	0.477	8.18	31.9
1055		6	0.25	7.91	32	14.84	0.477	7.91	29.0
1059		7	0.25	7.83	32	14.81	0.477	7.87	27.8

Total Quantity of Water Removed (liters): 7
Samplers: SB/SN
Sampling Date: 25-Oct-11
Sampling Time: 1100
Split Sample With: -
Sample Type: GW

COMMENTS AND OBSERVATIONS: 1 in well to narrow to fit the interface probe and tubing down the well together

EA Engineering PC and its Affliate,
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-12	**EA Personnel:** S. Blakeney / S. Nelson	**Client:** NYSDEC
Location: Rochester Autohaus	**Well Condition:** good	**Weather:** sunny, 50 F
Sounding Method: WLI	**Gauge Date:** 25-Oct-11	**Measurement Ref:** Top of Casing
Stick Up/Down (ft): Down 6 in.	**Gauge Time:** 1105	**Well Diameter (in):** 1 in.

Purge Date: 25-Oct-11	**Purge Time:** 1113 - 1139
Purge Method: Peristaltic Pump - low flow purge/sample	**Field Technician:** S. Blakeney / S. Nelson

Well Volume

A. Well Depth (ft): 29.05	**D. Well Volume (ft):** 0.04	**Depth/Height of Top of PVC:** down 1 in.
B. Depth to Water (ft): 11.2	**E. Well Volume (gal) C*D):** 0.714	**Pump Type:** Geopump and dedicated tubing
C. Liquid Depth (ft) (A-B): 17.85	**F. Five Well Volumes (gal) (E3):** 2.142	**Pump Designation:** peristaltic pump

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (liters)	Rate (Gpm)	pH (pH units)	ORP (mV)	Temperature (oC)	Conductivity (uS/cm)	DO (ug/L)	Turbidity (ntu)
1115		1	0.25	7.78	-29	15.40	0.530	2.95	49.5
1119		2	0.25	7.71	-70	15.31	0.551	3.10	38.3
1123		3	0.25	7.67	-76	15.31	0.564	2.85	32.4
1127		4	0.25	7.65	-79	15.30	0.565	2.75	30.5
1131		5	0.25	7.63	-83	15.30	0.562	2.61	28.7
1135		6	0.25	7.62	-84	15.28	0.561	2.42	25.3
1139		7	0.25	7.62	-86	15.30	0.562	2.31	25.4

Total Quantity of Water Removed (liters): 7
Samplers: SB/SN
Sampling Date: 25-Oct-11
Sampling Time: 1145
Split Sample With: -
Sample Type: GW

COMMENTS AND OBSERVATIONS: 1 in well to narrow to fit the interface probe and tubing down the well together

EA Engineering PC and its Affliate,
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: GP-09	**EA Personnel:** S. Blakeney / S. Nelson	**Client:** NYSDEC
Location: Rochester Autohaus	**Well Condition:** good	**Weather:** sunny, 60 F
Sounding Method: WLI	**Gauge Date:** 25-Oct-11	**Measurement Ref:** Top of Casing
Stick Up/Down (ft): Down 1 in.	**Gauge Time:** 1238	**Well Diameter (in):** 1 in.

Purge Date: 25-Oct-11	**Purge Time:** 1245 - 1320
Purge Method: Peristaltic Pump - low flow purge/sample	**Field Technician:** S. Blakeney / S. Nelson

Well Volume

A. Well Depth (ft): 29.31	**D. Well Volume (ft):** 0.04	**Depth/Height of Top of PVC:** down 1 in.
B. Depth to Water (ft): 11.71	**E. Well Volume (gal) C*D):** 0.704	**Pump Type:** Geopump and dedicated tubing
C. Liquid Depth (ft) (A-B): 17.6	**F. Five Well Volumes (gal) (E3):** 2.112	**Pump Designation:**

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (liters)	Rate (Gpm)	pH (pH units)	ORP (mV)	Temperature (oC)	Conductivity (uS/cm)	DO (ug/L)	Turbidity (ntu)
1249		1	0.25	7.41	113	15.1	0.570	7.75	66.0
1253		2	0.25	7.27	44	15.14	0.660	7.40	48.1
1257		3	0.25	7.27	-16	14.91	0.773	6.89	38.5
1301		4	0.25	7.27	-27	14.84	0.800	6.68	38.3
1305		5	0.25	7.28	-37	14.80	0.854	6.31	35.0
1309		6	0.25	7.28	-43	14.77	0.880	6.03	35.4
1313		7	0.25	7.29	-51	14.69	0.906	5.57	33.6
1316		8	0.25	7.27	-55	14.57	0.912	5.21	32.2
1320		9	0.25	7.28	-59	14.46	0.915	4.97	28.7

Total Quantity of Water Removed (liters): 9
Samplers: SB/SN
Sampling Date: 25-Oct-11
Sampling Time: 1325
Split Sample With: -
Sample Type: GW

COMMENTS AND OBSERVATIONS: 1 in well to narrow to fit the interface probe and tubing down the well together

Appendix C

Analytical Form Is

Christopher Schroer
EA Engineering, Science and Technology
6712 Brooklawn Parkway
Suite 104
Syracuse, NY 13211

Phone: (315) 431-4610
FAX: (315) 431-4280
Authorization: Project 1447405

Laboratory Analysis Report

For

EA Engineering, Science and Technology

Client Project ID:

Autohaus Site

LSL Project ID: **1109400**

Receive Date/Time: 06/29/11 11:08

Project Received by: RD

Life Science Laboratories, Inc. warrants, to the best of its knowledge and belief, the accuracy of the analytical test results contained in this report, but makes no other warranty, expressed or implied, especially no warranties of merchantability or fitness for a particular purpose. By the Client's acceptance and/or use of this report, the Client agrees that LSL is hereby released from any and all liabilities, claims, damages or causes of action affecting or which may affect the Client as regards to the results contained in this report. The Client further agrees that the only remedy available to the Client in the event of proven non-conformity with the above warranty shall be for LSL to re-perform the analytical test(s) at no charge to the Client. The data contained in this report are for the exclusive use of the Client to whom it is addressed, and the release of these data to any other party, or the use of the name, trademark or service mark of Life Science Laboratories, Inc. especially for the use of advertising to the general public, is strictly prohibited without express prior written consent of Life Science Laboratories, Inc. This report may only be reproduced in its entirety. No partial duplication is allowed. The Chain of Custody document submitted with these samples is considered by LSL to be an appendix of this report and may contain specific information that pertains to the samples included in this report. The analytical result(s) in this report are only representative of the sample(s) submitted for analysis. LSL makes no claim of a sample's representativeness, or integrity, if sampling was not performed by LSL personnel.

Life Science Laboratories, Inc.

LSL Central Lab
5854 Butternut Drive
East Syracuse, NY 13057
Tel. (315) 445-1105
Fax (315) 445-1301
NYS DOH ELAP #10248
PA DEP #68-2556

LSL North Lab
131 St. Lawrence Avenue
Waddington, NY 13694
Tel. (315) 388-4476
Fax (315) 388-4061
NYS DOH ELAP #10900

LSL Finger Lakes Lab
16 N. Main St., PO Box 424
Wayland, NY 14572
Tel. (585) 728-3320
Fax (585) 728-2711
NYS DOH ELAP #11667

LSL Southern Tier Lab
30 East Main Street
Cuba, NY 14727
Tel. (585) 968-2640
Fax (585) 968-0906
NYS DOH ELAP #10760

LSL MidLakes Lab
699 South Main Street
Canandaigua, NY 14424
Tel. (585) 396-0270
Fax (585) 396-0377
NYS DOH ELAP #11369

This report was reviewed by: Linda M. Toth, QA *Date:* 7/26/11

Life Science Laboratories, Inc.

A copy of this report was sent to:

Date Printed: 7/25/11

-- LABORATORY ANALYSIS REPORT --

EA Engineering, Science and Technology *Syracuse, NY*

Sample ID: Autohaus 828084-Waste **LSL Sample ID:** 1109400-001

Location:

Sampled: 06/28/11 8:45 **Sampled By:**

Sample Matrix: SHW as Recd

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 1311 TCLP Extraction					
TCLP Non-Volatile Extraction				7/5/11	
(1) EPA 1311 TCLP Z.H. Extraction					
TCLP Zero Headspace Extraction				6/29/11	JK
(1) EPA 335.4 Total Cyanide					
Cyanide, Total	<1	mg/kg	7/5/11	7/5/11	JJC
(1) EPA 8151A TCLP Herbicides					
2,4-D	<0.01	mg/l	7/12/11	7/19/11	CRT
2,4,5-TP (Silvex)	<0.01	mg/l	7/12/11	7/19/11	CRT
Surrogate (DCAA)	72	%R	7/12/11	7/19/11	CRT
(1) EPA 8260 TCLP Volatiles					
Benzene	<0.05	mg/l		6/30/11	MSV
Carbon tetrachloride	<0.05	mg/l		6/30/11	MSV
Chlorobenzene	<0.05	mg/l		6/30/11	MSV
Chloroform	<0.05	mg/l		6/30/11	MSV
1,4-Dichlorobenzene	<0.05	mg/l		6/30/11	MSV
1,2-Dichloroethane	<0.05	mg/l		6/30/11	MSV
1,1-Dichloroethene	<0.05	mg/l		6/30/11	MSV
2-Butanone (MEK)	<0.1	mg/l		6/30/11	MSV
Tetrachloroethene	<0.05	mg/l		6/30/11	MSV
Trichloroethene	<0.05	mg/l		6/30/11	MSV
Vinyl chloride	<0.02	mg/l		6/30/11	MSV
Surrogate (1,2-DCA-d4)	123	%R		6/30/11	MSV
Surrogate (Tol-d8)	97	%R		6/30/11	MSV
Surrogate (4-BFB)	96	%R		6/30/11	MSV
(1) EPA 8270 TCLP Pesticides					
gamma-BHC (Lindane)	<0.01	mg/l	7/6/11	7/22/11	CRT
Chlordane, Total	<0.02	mg/l	7/6/11	7/22/11	CRT
Endrin	<0.01	mg/l	7/6/11	7/22/11	CRT
Heptachlor	<0.005	mg/l	7/6/11	7/22/11	CRT
Heptachlor epoxide	<0.005	mg/l	7/6/11	7/22/11	CRT
Methoxychlor	<0.05	mg/l	7/6/11	7/22/11	CRT
Toxaphene	<0.05	mg/l	7/6/11	7/22/11	CRT
(1) EPA 8270 TCLP Semi-Volatiles					
Cresol, Total	<0.01	mg/l	7/6/11	7/22/11	CRT
2,4-Dinitrotoluene	<0.01	mg/l	7/6/11	7/22/11	CRT
Hexachlorobenzene	<0.01	mg/l	7/6/11	7/22/11	CRT
Hexachlorobutadiene	<0.01	mg/l	7/6/11	7/22/11	CRT
Hexachloroethane	<0.01	mg/l	7/6/11	7/22/11	CRT
Nitrobenzene	<0.01	mg/l	7/6/11	7/22/11	CRT
Pentachlorophenol	<0.02	mg/l	7/6/11	7/22/11	CRT
Pyridine	<0.02	mg/l	7/6/11	7/22/11	CRT
2,4,5-Trichlorophenol	<0.01	mg/l	7/6/11	7/22/11	CRT
2,4,6-Trichlorophenol	<0.01	mg/l	7/6/11	7/22/11	CRT
Surrogate (2-Fluorophenol)	65	%R	7/6/11	7/22/11	CRT

Life Science Laboratories, Inc.

Date Printed: 7/26/11

Analysis performed at: *(1) LSL Central, (2) LSL North, (3) LSL Finger Lakes, (4) LSL Southern Tier, (5) LSL MidLakes*

Life Science Laboratories, Inc.
5854 Butternut Drive
East Syracuse , NY 13057 (315) 445-1105

Analytical Results

StateCertNo: 10248

CLIENT: Life Science Labs-LIMS
Project: 1109400-EAEng
W Order: K1106354
Matrix: SOIL

Lab ID: K1106354-001A
Client Sample ID: *Autohaus 828084 - Waste*
Collection Date: 06/28/11 8:45
Date Received: 06/29/11 11:08

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
TCLP MERCURY			**SW1311/7470A**		**(SW7470A)**	
Mercury	ND		0.00040	mg/L	1	07/07/11 12:12
TCLP METALS BY ICP			**SW6010B**		**(SW3010A)**	
Aluminum	ND		0.50	mg/L	1	07/08/11 14:21
Antimony	ND		0.30	mg/L	1	07/08/11 14:21
Arsenic	ND		0.50	mg/L	1	07/08/11 14:21
Barium	ND		0.50	mg/L	1	07/08/11 14:21
Beryllium	ND		0.050	mg/L	1	07/08/11 14:21
Cadmium	ND		0.10	mg/L	1	07/08/11 14:21
Calcium	770		5.0	mg/L	1	07/08/11 14:21
Chromium	ND		0.50	mg/L	1	07/08/11 14:21
Cobalt	ND		0.25	mg/L	1	07/08/11 14:21
Copper	ND		0.050	mg/L	1	07/08/11 14:21
Iron	ND		0.25	mg/L	1	07/08/11 14:21
Lead	ND		0.50	mg/L	1	07/08/11 14:21
Magnesium	17		5.0	mg/L	1	07/08/11 14:21
Manganese	4.8		0.25	mg/L	1	07/08/11 14:21
Nickel	ND		0.25	mg/L	1	07/08/11 14:21
Potassium	ND		25	mg/L	1	07/08/11 14:21
Selenium	ND		0.10	mg/L	1	07/08/11 14:21
Silver	ND		0.50	mg/L	1	07/08/11 14:21
Sodium	1400		5.0	mg/L	1	07/08/11 14:21
Thallium	ND		0.10	mg/L	1	07/08/11 14:21
Vanadium	ND		0.25	mg/L	1	07/08/11 14:21
Zinc	ND		0.50	mg/L	1	07/08/11 14:21

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.

5854 Butternut Drive

East Syracuse, NY 13057 (315) 445-1105

ANALYTICAL QC SUMMARY REPORT

Method: SW6010B
Work Order: K1106354
Project: 1109400-EAEng

CLIENT: Life Science Labs-LIMS

SampleID: TCLK1 10472	SampType: TCLK	TestCode: TCLPiCP	Units: mg/L	Prep Date: 7/7/11		RunNo:	22107
Client ID: ZZZZZ	Batch ID: 13497	Method: SW6010B	(SW3010A)	Analysis Date: 7/8/11		SeqNo:	562592
Instrument:	ColumnID:						

Analyte	QC Sample	PQL	SPK	Parent Sample	%REC	High Limit	%RPD	RPDLimit	Qual
Aluminum	ND	0.50							
Antimony	ND	0.30							
Arsenic	ND	0.50							
Barium	ND	0.50							
Beryllium	ND	0.050							
Cadmium	ND	0.10							
Calcium	6.13	5.0							
Chromium	ND	0.50							
Cobalt	ND	0.25							
Copper	ND	0.050							
Iron	ND	0.25							
Lead	ND	0.50							
Magnesium	ND	5.0							
Manganese	ND	0.25							
Nickel	ND	0.25							
Potassium	ND	25							
Selenium	ND	0.10							
Silver	ND	0.50							
Sodium	1270	5.0							
Thallium	ND	0.10							
Vanadium	ND	0.25							
Zinc	ND	0.50							

Qualifiers:

B	Analyte detected in the associated Method Blank
ND	Not Detected at the Practical Quantitation Limit (PQL)
U	Not Detected at the MDC or RL
E	Value exceeds the instrument calibration range
R	RPD exceeds accepted precision limit
J	Analyte detected below the PQL
S	Spike Recovery outside accepted recovery limits

Date: *25-Jul-11*

Life Science Laboratories, Inc.
5854 Butternut Drive
East Syracuse, NY 13057 (315) 445-1900

Monday, November 28, 2011

Mr. Joe Von Uderitz
EA Engineering Science and Technology
6712 Brooklawn Parkway, Suite 104
Syracuse, NY 13211-2158

TEL: 315-431-4610

Project: NYS DEC - AUTOHAUS
RE: Analytical Results Order No.: K1110294

Dear Mr. Joe Von Uderitz:

Life Science Laboratories, Inc. received 9 sample(s) on 10/26/2011 for the analyses presented in the following report. Sample results relate only to the samples as received by the laboratory.

Very truly yours,
Life Science Laboratories, Inc.

Anthony Crescenzi
Project Manager

Sample Data Summary Package

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-I

SAMPLE IDENTIFICATION AND ANALYTICAL SUMMARY

NYS DEC SAMPLE ID	LABORATORY SAMPLE ID	Type	Analytical Requirements					
			VOA GC/MS Method #	BNA GC/MS Method #	VOA GC Method #	MISC GC Method #	METALS Method #	OTHER Method #
828084-GP-09	K1110294-001	SAMP	SW8260B					
828084-MW-10	K1110294-002	SAMP	SW8260B					
828084-MW-01	K1110294-003	SAMP	SW8260B					
828084-MW-08S	K1110294-004	SAMP	SW8260B					
828084-MW-08D	K1110294-005	MS	SW8260B					
828084-MW-08D	K1110294-005	MSD	SW8260B					
828084-MW-08D	K1110294-005	SAMP	SW8260B					
828084-MW-11	K1110294-006	SAMP	SW8260B					
828084-MW-12	K1110294-007	SAMP	SW8260B					
828084-MW-DUP	K1110294-008	SAMP	SW8260B					
Trip Blank	K1110294-009	SAMP	SW8260B					

SW8260B

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-III

SAMPLE PREPARATION AND ANALYSIS SUMMARY
VOLATILE ANALYSES

LABORATORY SAMPLE ID	MATRIX	ANALYTICAL PROTOCOL	EXTRACTION METHOD	AUXILIARY CLEANUP	DIL/CONC FACTOR
K1110294-001A	Groundwater	SW8260B	NONE	NONE	1X
K1110294-002A	Groundwater	SW8260B	NONE	NONE	1X
K1110294-003A	Groundwater	SW8260B	NONE	NONE	1X
K1110294-004A	Groundwater	SW8260B	NONE	NONE	1X
K1110294-005A	Groundwater	SW8260B	NONE	NONE	1X
K1110294-005AMS	Groundwater	SW8260B	NONE	NONE	1X
K1110294-005AMSD	Groundwater	SW8260B	NONE	NONE	1X
K1110294-006A	Groundwater	SW8260B	NONE	NONE	1X
K1110294-007A	Groundwater	SW8260B	NONE	NONE	1X
K1110294-008A	Groundwater	SW8260B	NONE	NONE	1X
K1110294-009A	Water Q	SW8260B	NONE	NONE	1X

SW8260B

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IIb

SAMPLE PREPARATION AND ANALYSIS SUMMARY

VOLATILE (VOA) ANALYSES

LABORATORY SAMPLE ID	MATRIX	DATE COLLECTED	DATE REC'D AT LAB	DATE EXTRACTED	DATE ANALYZED
K1110294-001A	Groundwater	10/25/11	10/26/11		10/28/11
K1110294-002A	Groundwater	10/25/11	10/26/11		10/28/11
K1110294-003A	Groundwater	10/25/11	10/26/11		10/28/11
K1110294-004A	Groundwater	10/25/11	10/26/11		10/28/11
K1110294-005A	Groundwater	10/25/11	10/26/11		10/28/11
K1110294-005AMS	Groundwater	10/25/11	10/26/11		10/28/11
K1110294-005AMSD	Groundwater	10/25/11	10/26/11		10/28/11
K1110294-006A	Groundwater	10/25/11	10/26/11		10/28/11
K1110294-007A	Groundwater	10/25/11	10/26/11		10/28/11
K1110294-008A	Groundwater	10/25/11	10/26/11		10/28/11
K1110294-009A	Water Q	10/25/11	10/26/11		10/28/11

Project Management Case Narrative

INTRODUCTION/ANALYTICAL RESULTS

This report summarizes the laboratory results for EA Engineering Science & Technology, DEC-Autohaus project.

CONDITION UPON RECEIPT/CHAIN OF CUSTODY

The cooler(s) were received intact. When the cooler(s) were received by the laboratory, the sample custodian(s) opened and inspected the shipment(s) for damage and custody inconsistencies. Chain of custodies documenting receipt are presented in the chain of custody section. Each sample was assigned a unique laboratory number and a custody file created. The samples were placed in a secured walk-in cooler and signed in and out by the chemists performing the tests. The sign out record, or lab chronicle, is presented in the chain of custody section.

There were no discrepancies noted upon receipt. The temperature of the iced coolers was 1.0°C.

METHODOLOGY

The following methods were used to perform the analyses:

PARAMETER	METHOD	REFERENCE
Volatile Organics	8260B	1

1) Test Methods for Evaluation Solid Wastes, SW-846 Third Edition, Final Update III, December 1996.

QUALITY CONTROL

QA/QC results are summarized in the Laboratory Report Package and are also included in the raw data.

RAW DATA

The raw data is organized in the New York State Department of Environmental Conservation Analytical Services Protocol Catagory "B" order of data requirements.

Total # of pages in this report 53

GC/MS Volatile Organics Case Narrative

Client:	EA
Project/Order:	NYS DEC - Autohaus
Work Order #:	K1110294
Methodology:	8260B

Analyzed/Reviewed by (Initials/Date): JK 11/23/11

Supervisor/Reviewed by (Initials/Date): [illegible] 11/23/11

QA/QC Review (Initials/Date): JK 11/23/11

File Name: U:\Narratives\MSVoa\K1110294msvnar.doc

GC/MS Volatile Organics
The GC/MS Volatile instruments are equipped with a Restek Rtx-VMS, 60 m x 0.25 mm ID capillary column (MS01, MS04, MSK, and MSN), Restek Rtx-502.2, 105 m x 0.53 mm ID capillary column (MS02), and a Restek Rtx-502.2, 60 m x 0.25 mm ID capillary column (MS03).

Holding Times and Sample Preservation
All samples were prepared and analyzed within the method and/or QAPP specified holding time requirements. Samples had a pH of < 2.

Laboratory Control Sample
The following compound(s) did not meet laboratory control sample recovery criteria:

LCS No.	Compound	Corrective Action
LCS-23024	Methyl acetate	1
	2-Butanone	1
	4-Methyl-2-pentanone	1
	1,2-Dibromo-3-chloropropane	1

1 The recovery exceeded the upper control limit and was not detected above the PQL/RL in the associated samples. No corrective action was taken.

MS/MSD/MSB
The following compound(s) did not meet matrix spike or matrix spike duplicate percent recovery and/or RPD criteria:

Sample Description	Sample #	Compound	% REC	RPD	Corrective Action
	MSB-23024	Methyl acetate	X		1
		1,2-Dibromo-3-chloropropane	X		1
828084-MW-08D	K1110294-005AMS/MSD	Methyl acetate	X		1, 2

1 The recovery exceeded the upper control limit and was not detected above the PQL/RL in the associated samples. No corrective action was taken.

Client:	EA
Project/Order:	NYS DEC - Autohaus
Work Order #:	K1110294
Methodology:	8260B

2 The recovery for this compound also exceeded acceptance limits in the associated LCS and MSB. No corrective action was taken.

Surrogate Standards
All surrogate standard recoveries met method and/or project specific QC criteria.

Internal Standards
All internal standard areas met method and/or project specific QC criteria.

Calibrations
All initial calibrations met method and/or project specific QC criteria.

The following continuing calibration compound(s) exceeded method percent drift and/or RRF criteria:

Calibration ID	Instrument	Compound	%D	RRF	Corrective Action
CCV-23024	MSK_75	Methyl acetate	58.3		1

1 The recovery exceeded the upper control limit and was not detected above the PQL/RL in the associated samples. No corrective action was taken.

Preparation Blanks
All preparation blanks met method and/or project specific QC criteria.

Life Science Laboratories, Inc.

Date: *28-Nov-11*

CLIENT: EA Engineering Science and Technology
Project: NYS DEC - Autohaus
Lab Order: K1110294

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
K1110294-001A	828084-GP-09		10/25/2011	10/26/2011
K1110294-002A	828084-MW-10		10/25/2011	10/26/2011
K1110294-003A	828084-MW-01		10/25/2011	10/26/2011
K1110294-004A	828084-MW-08S		10/25/2011	10/26/2011
K1110294-005A	828084-MW-08D		10/25/2011	10/26/2011
K1110294-006A	828084-MW-11		10/25/2011	10/26/2011
K1110294-007A	828084-MW-12		10/25/2011	10/26/2011
K1110294-008A	828084-MW-DUP		10/25/2011	10/26/2011
K1110294-009A	Trip Blank		10/25/2011	10/26/2011

Life Science Laboratories, Inc.

Lab Order: K1110294
Client: EA Engineering Science and Technology
Project: NYS DEC - Autohaus

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
K1110294-001A	828084-GP-09	10/25/2011 1:25:00 PM	Groundwater	Volatile Organic Compounds by GC/MS			10/28/2011
K1110294-002A	828084-MW-10	10/25/2011 2:15:00 PM		Volatile Organic Compounds by GC/MS			10/28/2011
K1110294-003A	828084-MW-01	10/25/2011 3:05:00 PM		Volatile Organic Compounds by GC/MS			10/28/2011
K1110294-004A	828084-MW-08S	10/25/2011 9:39:00 AM		Volatile Organic Compounds by GC/MS			10/28/2011
K1110294-005A	828084-MW-08D	10/25/2011 10:07:00 AM		Volatile Organic Compounds by GC/MS			10/28/2011
K1110294-006A	828084-MW-11	10/25/2011 11:00:00 AM		Volatile Organic Compounds by GC/MS			10/28/2011
K1110294-007A	828084-MW-12	10/25/2011 11:45:00 AM		Volatile Organic Compounds by GC/MS			10/28/2011
K1110294-008A	828084-MW-DUP	10/25/2011		Volatile Organic Compounds by GC/MS			10/28/2011
K1110294-009A	Trip Blank		Water Q	Volatile Organic Compounds by GC/MS			10/28/2011

Analytical Results

Life Science Laboratories, Inc.
5854 Butternut Drive
East Syracuse, NY 13057 (315) 445-1900

Analytical Results

StateCertNo: 10248

CLIENT	EA Engineering Science and Technology	**Lab ID:**	**K1110294-001A**
Project:	NYS DEC - Autohaus	**Client Sample ID:**	***828084-GP-09***
W Order:	K1110294	**Collection Date:**	10/25/11 13:25
Matrix:	GROUNDWATER	**Date Received:**	10/26/11 12:59
Inst. ID:	MSK_75	**Sample Size** 10 mL	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R23024
Revision:	11/18/11 11:37	**TestCode:** 8260W_OLM42	**FileID:** 1-SAMP-K6458.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					SW8260B		
Dichlorodifluoromethane	ND		1.00	0.10	µg/L	1	10/28/11 11:20
Chloromethane	ND		1.00	0.33	µg/L	1	10/28/11 11:20
Vinyl chloride	ND		1.00	0.33	µg/L	1	10/28/11 11:20
Bromomethane	ND		1.00	0.33	µg/L	1	10/28/11 11:20
Chloroethane	ND		1.00	0.33	µg/L	1	10/28/11 11:20
Trichlorofluoromethane	ND		1.00	0.10	µg/L	1	10/28/11 11:20
1,1-Dichloroethene	ND		0.50	0.16	µg/L	1	10/28/11 11:20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.10	µg/L	1	10/28/11 11:20
Acetone	57.7		10.0	1.00	µg/L	1	10/28/11 11:20
Carbon disulfide	ND		0.50	0.11	µg/L	1	10/28/11 11:20
Methyl acetate	ND		5.00	1.00	µg/L	1	10/28/11 11:20
Methylene chloride	ND		2.00	0.16	µg/L	1	10/28/11 11:20
trans-1,2-Dichloroethene	ND		0.50	0.10	µg/L	1	10/28/11 11:20
Methyl tert-butyl ether	1.16		1.00	0.16	µg/L	1	10/28/11 11:20
1,1-Dichloroethane	2.36		0.50	0.10	µg/L	1	10/28/11 11:20
cis-1,2-Dichloroethene	ND		0.50	0.10	µg/L	1	10/28/11 11:20
2-Butanone	ND		10.0	1.00	µg/L	1	10/28/11 11:20
Chloroform	0.32	J	0.50	0.10	µg/L	1	10/28/11 11:20
1,1,1-Trichloroethane	ND		0.50	0.10	µg/L	1	10/28/11 11:20
Cyclohexane	ND		0.50	0.10	µg/L	1	10/28/11 11:20
Carbon tetrachloride	ND		0.50	0.10	µg/L	1	10/28/11 11:20
Benzene	1.13		0.50	0.10	µg/L	1	10/28/11 11:20
1,2-Dichloroethane	ND		0.50	0.16	µg/L	1	10/28/11 11:20
Trichloroethene	0.67		0.50	0.10	µg/L	1	10/28/11 11:20
Methylcyclohexane	ND		0.50	0.10	µg/L	1	10/28/11 11:20
1,2-Dichloropropane	0.23	J	0.50	0.16	µg/L	1	10/28/11 11:20
Bromodichloromethane	ND		0.50	0.10	µg/L	1	10/28/11 11:20
cis-1,3-Dichloropropene	ND		0.50	0.16	µg/L	1	10/28/11 11:20
4-Methyl-2-pentanone	ND		5.00	1.00	µg/L	1	10/28/11 11:20
Toluene	0.20	J	0.50	0.10	µg/L	1	10/28/11 11:20
trans-1,3-Dichloropropene	ND		0.50	0.16	µg/L	1	10/28/11 11:20
1,1,2-Trichloroethane	ND		0.50	0.16	µg/L	1	10/28/11 11:20
Tetrachloroethene	ND		0.50	0.10	µg/L	1	10/28/11 11:20
2-Hexanone	ND		5.00	1.00	µg/L	1	10/28/11 11:20

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Print Date: 11/18/11 11:38 582261 **Project Supervisor:** Anthony Crescenzi

Life Science Laboratories, Inc.
5854 Butternut Drive
East Syracuse, NY 13057 (315) 445-1900

Analytical Results

StateCertNo: 10248

CLIENT EA Engineering Science and Technology
Project: NYS DEC - Autohaus
W Order: K1110294
Matrix: GROUNDWATER
Inst. ID: MSK_75 **Sample Size** 10 mL
ColumnID: Rtx-VMS **%Moisture:**
Revision: 11/18/11 11:37 **TestCode:** 8260W_OLM42
Col Type:

Lab ID: K1110294-001A
Client Sample ID: *828084-GP-09*
Collection Date: 10/25/11 13:25
Date Received: 10/26/11 12:59
PrepDate:
BatchNo: R23024
FileID: 1-SAMP-K6458.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					SW8260B		
Dibromochloromethane	ND		0.50	0.10	µg/L	1	10/28/11 11:20
1,2-Dibromoethane	ND		0.50	0.16	µg/L	1	10/28/11 11:20
Chlorobenzene	0.62		0.50	0.10	µg/L	1	10/28/11 11:20
Ethylbenzene	5.09		0.50	0.10	µg/L	1	10/28/11 11:20
Xylenes (total)	14.6		1.00	0.30	µg/L	1	10/28/11 11:20
Styrene	ND		0.50	0.10	µg/L	1	10/28/11 11:20
Bromoform	ND		1.00	0.33	µg/L	1	10/28/11 11:20
Isopropylbenzene	1.17		0.50	0.10	µg/L	1	10/28/11 11:20
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	µg/L	1	10/28/11 11:20
1,3-Dichlorobenzene	0.20	J	0.50	0.10	µg/L	1	10/28/11 11:20
1,4-Dichlorobenzene	3.00		0.50	0.16	µg/L	1	10/28/11 11:20
1,2-Dichlorobenzene	67.3		0.50	0.10	µg/L	1	10/28/11 11:20
1,2-Dibromo-3-chloropropane	ND		5.00	1.00	µg/L	1	10/28/11 11:20
1,2,4-Trichlorobenzene	ND		1.00	0.10	µg/L	1	10/28/11 11:20
Surr: 1,2-Dichloroethane-d4	110		75-128	0.16	%REC	1	10/28/11 11:20
Surr: Toluene-d8	104		75-125	0.10	%REC	1	10/28/11 11:20
Surr: 4-Bromofluorobenzene	99		75-125	0.10	%REC	1	10/28/11 11:20

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Print Date: 11/18/11 11:38 582261 **Project Supervisor:** Anthony Crescenzi

Form 1 TIC

CLIENT SAMPLE NO.

Volatile Organic Compounds by GC/MS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

828084-GP-09

Lab Name: Life Science Laboratories, Inc. Contract: _____

Lab Code: LIFESCIENCES Case No.: EA SAS No.: _____ SDG No.: K1110294

Matrix: (soil/water) WATER Lab Sample ID: K1110294-001A

Sample wt/vol: 10 (g/mL) ML Lab File ID: K6458.D

Level: LOW Date Received: 10/26/2011

% Moisture: not dec. Date Analyzed: 10/28/2011

GC Column: Rtx-VMS ID: 0.25 (mm) Dilution Factor: 1.00

Extract Volume: _____ (µl)

Number TICs found: 7 CONCENTRATION UNITS: UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1	000611-14-3	Benzene, 1-ethyl-2-methyl-	18.43	3.24	JN
2	000095-63-6	Benzene, 1,2,4-trimethyl-	18.68	3.42	JN
3	000496-11-7	Indane	19.60	3.03	JN
4	000767-58-8	Indan, 1-methyl-	20.43	0.64	JN
5	000767-58-8	Indan, 1-methyl-	20.43	0.64	JN
6	002234-20-0	2,4-Dimethylstyrene	21.57	0.76	JN
7	000091-20-3	Naphthalene	22.87	0.60	JN

Life Science Laboratories, Inc.
5854 Butternut Drive
East Syracuse, NY 13057 (315) 445-1900

Analytical Results

StateCertNo: 10248

CLIENT EA Engineering Science and Technology
Project: NYS DEC - Autohaus
W Order: K1110294
Matrix: GROUNDWATER
Inst. ID: MSK_75 **Sample Size** 10 mL
ColumnID: Rtx-VMS **%Moisture:**
Revision: 11/18/11 11:37 **TestCode:** 8260W_OLM42
Col Type:

Lab ID: K1110294-002A
Client Sample ID: *828084-MW-10*
Collection Date: 10/25/11 14:15
Date Received: 10/26/11 12:59
PrepDate:
BatchNo: R23024
FileID: 1-SAMP-K6460.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B			
Dichlorodifluoromethane	ND		1.00	0.10	µg/L	1	10/28/11 12:22
Chloromethane	ND		1.00	0.33	µg/L	1	10/28/11 12:22
Vinyl chloride	ND		1.00	0.33	µg/L	1	10/28/11 12:22
Bromomethane	ND		1.00	0.33	µg/L	1	10/28/11 12:22
Chloroethane	ND		1.00	0.33	µg/L	1	10/28/11 12:22
Trichlorofluoromethane	ND		1.00	0.10	µg/L	1	10/28/11 12:22
1,1-Dichloroethene	ND		0.50	0.16	µg/L	1	10/28/11 12:22
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.10	µg/L	1	10/28/11 12:22
Acetone	ND		10.0	1.00	µg/L	1	10/28/11 12:22
Carbon disulfide	ND		0.50	0.11	µg/L	1	10/28/11 12:22
Methyl acetate	ND		5.00	1.00	µg/L	1	10/28/11 12:22
Methylene chloride	ND		2.00	0.16	µg/L	1	10/28/11 12:22
trans-1,2-Dichloroethene	ND		0.50	0.10	µg/L	1	10/28/11 12:22
Methyl tert-butyl ether	ND		1.00	0.16	µg/L	1	10/28/11 12:22
1,1-Dichloroethane	ND		0.50	0.10	µg/L	1	10/28/11 12:22
cis-1,2-Dichloroethene	ND		0.50	0.10	µg/L	1	10/28/11 12:22
2-Butanone	ND		10.0	1.00	µg/L	1	10/28/11 12:22
Chloroform	1.22		0.50	0.10	µg/L	1	10/28/11 12:22
1,1,1-Trichloroethane	ND		0.50	0.10	µg/L	1	10/28/11 12:22
Cyclohexane	ND		0.50	0.10	µg/L	1	10/28/11 12:22
Carbon tetrachloride	ND		0.50	0.10	µg/L	1	10/28/11 12:22
Benzene	ND		0.50	0.10	µg/L	1	10/28/11 12:22
1,2-Dichloroethane	ND		0.50	0.16	µg/L	1	10/28/11 12:22
Trichloroethene	ND		0.50	0.10	µg/L	1	10/28/11 12:22
Methylcyclohexane	ND		0.50	0.10	µg/L	1	10/28/11 12:22
1,2-Dichloropropane	ND		0.50	0.16	µg/L	1	10/28/11 12:22
Bromodichloromethane	0.38	J	0.50	0.10	µg/L	1	10/28/11 12:22
cis-1,3-Dichloropropene	ND		0.50	0.16	µg/L	1	10/28/11 12:22
4-Methyl-2-pentanone	ND		5.00	1.00	µg/L	1	10/28/11 12:22
Toluene	ND		0.50	0.10	µg/L	1	10/28/11 12:22
trans-1,3-Dichloropropene	ND		0.50	0.16	µg/L	1	10/28/11 12:22
1,1,2-Trichloroethane	ND		0.50	0.16	µg/L	1	10/28/11 12:22
Tetrachloroethene	ND		0.50	0.10	µg/L	1	10/28/11 12:22
2-Hexanone	ND		5.00	1.00	µg/L	1	10/28/11 12:22

Qualifiers:
* Value exceeds Maximum Contaminant Level
E Value exceeds the instrument calibration range
J Analyte detected below the PQL
P Prim./Conf. column %D or RPD exceeds limit
B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Practical Quantitation Limit (PQL)
S Spike Recovery outside accepted recovery limits

Print Date: 11/18/11 11:38 582263 **Project Supervisor:** Anthony Crescenzi

Life Science Laboratories, Inc.
5854 Butternut Drive
East Syracuse, NY 13057 (315) 445-1900
StateCertNo: 10248

Analytical Results

CLIENT	EA Engineering Science and Technology			**Lab ID:**	K1110294-002A
Project:	NYS DEC - Autohaus			**Client Sample ID:**	*828084-MW-10*
W Order:	K1110294			**Collection Date:**	10/25/11 14:15
Matrix:	GROUNDWATER			**Date Received:**	10/26/11 12:59
Inst. ID:	MSK_75	**Sample Size**	10 mL	**PrepDate:**	
ColumnID:	Rtx-VMS	**%Moisture:**		**BatchNo:**	R23024
Revision:	11/18/11 11:37	**TestCode:**	8260W_OLM42	**FileID:**	1-SAMP-K6460.D
Col Type:					

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8260B**		
Dibromochloromethane	ND		0.50	0.10	µg/L	1	10/28/11 12:22
1,2-Dibromoethane	ND		0.50	0.16	µg/L	1	10/28/11 12:22
Chlorobenzene	ND		0.50	0.10	µg/L	1	10/28/11 12:22
Ethylbenzene	ND		0.50	0.10	µg/L	1	10/28/11 12:22
Xylenes (total)	ND		1.00	0.30	µg/L	1	10/28/11 12:22
Styrene	ND		0.50	0.10	µg/L	1	10/28/11 12:22
Bromoform	ND		1.00	0.33	µg/L	1	10/28/11 12:22
Isopropylbenzene	ND		0.50	0.10	µg/L	1	10/28/11 12:22
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	µg/L	1	10/28/11 12:22
1,3-Dichlorobenzene	ND		0.50	0.10	µg/L	1	10/28/11 12:22
1,4-Dichlorobenzene	ND		0.50	0.16	µg/L	1	10/28/11 12:22
1,2-Dichlorobenzene	ND		0.50	0.10	µg/L	1	10/28/11 12:22
1,2-Dibromo-3-chloropropane	ND		5.00	1.00	µg/L	1	10/28/11 12:22
1,2,4-Trichlorobenzene	ND		1.00	0.10	µg/L	1	10/28/11 12:22
Surr: 1,2-Dichloroethane-d4	117		75-128	0.16	%REC	1	10/28/11 12:22
Surr: Toluene-d8	103		75-125	0.10	%REC	1	10/28/11 12:22
Surr: 4-Bromofluorobenzene	118		75-125	0.10	%REC	1	10/28/11 12:22

Qualifiers:				
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
	P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Form 1 TIC

CLIENT SAMPLE NO.

Volatile Organic Compounds by GC/MS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

828084-MW-10

Lab Name: Life Science Laboratories, Inc. Contract: _____

Lab Code: LIFESCIENCES Case No.: EA SAS No.: _____ SDG No.: K1110294

Matrix: (soil/water) WATER Lab Sample ID: K1110294-002A

Sample wt/vol: 10 (g/mL) ML Lab File ID: K6460.D

Level: LOW Date Received: 10/26/2011

% Moisture: not dec. Date Analyzed: 10/28/2011

GC Column: Rtx-VMS ID: 0.25 (mm) Dilution Factor: 1.00

Extract Volume: _____ (µl)

Number TICs found: 0 CONCENTRATION UNITS: UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q

Life Science Laboratories, Inc.
5854 Butternut Drive
East Syracuse, NY 13057 (315) 445-1900

Analytical Results

StateCertNo: 10248

CLIENT	EA Engineering Science and Technology	**Lab ID:**	K1110294-003A
Project:	NYS DEC - Autohaus	**Client Sample ID:**	*828084-MW-01*
W Order:	K1110294	**Collection Date:**	10/25/11 15:05
Matrix:	GROUNDWATER	**Date Received:**	10/26/11 12:59
Inst. ID:	MSK_75	**Sample Size** 10 mL	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R23024
Revision:	11/18/11 11:37	**TestCode:** 8260W_OLM42	**FileID:** 1-SAMP-K6462.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					SW8260B		
Dichlorodifluoromethane	ND		1.00	0.10	µg/L	1	10/28/11 13:24
Chloromethane	ND		1.00	0.33	µg/L	1	10/28/11 13:24
Vinyl chloride	ND		1.00	0.33	µg/L	1	10/28/11 13:24
Bromomethane	ND		1.00	0.33	µg/L	1	10/28/11 13:24
Chloroethane	ND		1.00	0.33	µg/L	1	10/28/11 13:24
Trichlorofluoromethane	ND		1.00	0.10	µg/L	1	10/28/11 13:24
1,1-Dichloroethene	ND		0.50	0.16	µg/L	1	10/28/11 13:24
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.10	µg/L	1	10/28/11 13:24
Acetone	8.00	J	10.0	1.00	µg/L	1	10/28/11 13:24
Carbon disulfide	ND		0.50	0.11	µg/L	1	10/28/11 13:24
Methyl acetate	ND		5.00	1.00	µg/L	1	10/28/11 13:24
Methylene chloride	ND		2.00	0.16	µg/L	1	10/28/11 13:24
trans-1,2-Dichloroethene	ND		0.50	0.10	µg/L	1	10/28/11 13:24
Methyl tert-butyl ether	ND		1.00	0.16	µg/L	1	10/28/11 13:24
1,1-Dichloroethane	0.18	J	0.50	0.10	µg/L	1	10/28/11 13:24
cis-1,2-Dichloroethene	0.17	J	0.50	0.10	µg/L	1	10/28/11 13:24
2-Butanone	ND		10.0	1.00	µg/L	1	10/28/11 13:24
Chloroform	ND		0.50	0.10	µg/L	1	10/28/11 13:24
1,1,1-Trichloroethane	ND		0.50	0.10	µg/L	1	10/28/11 13:24
Cyclohexane	ND		0.50	0.10	µg/L	1	10/28/11 13:24
Carbon tetrachloride	ND		0.50	0.10	µg/L	1	10/28/11 13:24
Benzene	ND		0.50	0.10	µg/L	1	10/28/11 13:24
1,2-Dichloroethane	ND		0.50	0.16	µg/L	1	10/28/11 13:24
Trichloroethene	0.43	J	0.50	0.10	µg/L	1	10/28/11 13:24
Methylcyclohexane	ND		0.50	0.10	µg/L	1	10/28/11 13:24
1,2-Dichloropropane	ND		0.50	0.16	µg/L	1	10/28/11 13:24
Bromodichloromethane	ND		0.50	0.10	µg/L	1	10/28/11 13:24
cis-1,3-Dichloropropene	ND		0.50	0.16	µg/L	1	10/28/11 13:24
4-Methyl-2-pentanone	ND		5.00	1.00	µg/L	1	10/28/11 13:24
Toluene	ND		0.50	0.10	µg/L	1	10/28/11 13:24
trans-1,3-Dichloropropene	ND		0.50	0.16	µg/L	1	10/28/11 13:24
1,1,2-Trichloroethane	ND		0.50	0.16	µg/L	1	10/28/11 13:24
Tetrachloroethene	1.54		0.50	0.10	µg/L	1	10/28/11 13:24
2-Hexanone	ND		5.00	1.00	µg/L	1	10/28/11 13:24

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Print Date: 11/18/11 11:38 582264 **Project Supervisor:** Anthony Crescenzi

Life Science Laboratories, Inc.
5854 Butternut Drive
East Syracuse, NY 13057 (315) 445-1900

Analytical Results

StateCertNo: 10248

CLIENT	EA Engineering Science and Technology	**Lab ID:**	K1110294-003A
Project:	NYS DEC - Autohaus	**Client Sample ID:**	*828084-MW-01*
W Order:	K1110294	**Collection Date:**	10/25/11 15:05
Matrix:	GROUNDWATER	**Date Received:**	10/26/11 12:59
Inst. ID:	MSK_75	**Sample Size** 10 mL	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R23024
Revision:	11/18/11 11:37	**TestCode:** 8260W_OLM42	**FileID:** 1-SAMP-K6462.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					SW8260B		
Dibromochloromethane	ND		0.50	0.10	µg/L	1	10/28/11 13:24
1,2-Dibromoethane	ND		0.50	0.16	µg/L	1	10/28/11 13:24
Chlorobenzene	ND		0.50	0.10	µg/L	1	10/28/11 13:24
Ethylbenzene	ND		0.50	0.10	µg/L	1	10/28/11 13:24
Xylenes (total)	ND		1.00	0.30	µg/L	1	10/28/11 13:24
Styrene	ND		0.50	0.10	µg/L	1	10/28/11 13:24
Bromoform	ND		1.00	0.33	µg/L	1	10/28/11 13:24
Isopropylbenzene	ND		0.50	0.10	µg/L	1	10/28/11 13:24
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	µg/L	1	10/28/11 13:24
1,3-Dichlorobenzene	0.26	J	0.50	0.10	µg/L	1	10/28/11 13:24
1,4-Dichlorobenzene	1.19		0.50	0.16	µg/L	1	10/28/11 13:24
1,2-Dichlorobenzene	0.56		0.50	0.10	µg/L	1	10/28/11 13:24
1,2-Dibromo-3-chloropropane	ND		5.00	1.00	µg/L	1	10/28/11 13:24
1,2,4-Trichlorobenzene	ND		1.00	0.10	µg/L	1	10/28/11 13:24
Surr: 1,2-Dichloroethane-d4	117		75-128	0.16	%REC	1	10/28/11 13:24
Surr: Toluene-d8	103		75-125	0.10	%REC	1	10/28/11 13:24
Surr: 4-Bromofluorobenzene	110		75-125	0.10	%REC	1	10/28/11 13:24

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Print Date: 11/18/11 11:38 582264 **Project Supervisor:** Anthony Crescenzi

Form 1 TIC

CLIENT SAMPLE NO.

Volatile Organic Compounds by GC/MS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

828084-MW-01

Lab Name: Life Science Laboratories, Inc. Contract: _____

Lab Code: LIFESCIENCES Case No.: EA SAS No.: _____ SDG No.: K1110294

Matrix: (soil/water) WATER Lab Sample ID: K1110294-003A

Sample wt/vol: 10 (g/mL) ML Lab File ID: K6462.D

Level: LOW Date Received: 10/26/2011

% Moisture: not dec. Date Analyzed: 10/28/2011

GC Column: Rtx-VMS ID: 0.25 (mm) Dilution Factor: 1.00

Extract Volume: _____ (µl)

Number TICs found: 4 CONCENTRATION UNITS: UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1	000098-01-1	Furfural $$ 2-Furancarboxaldeh	17.14	1.02	JN
2		unknown hydrocarbon 18.840	18.84	0.63	J
3	000281-23-2	Adamantane 20.210	20.21	0.71	JN
4		unknown hydrocarbon 20.330	20.33	0.90	J

Life Science Laboratories, Inc.
5854 Butternut Drive
East Syracuse, NY 13057 (315) 445-1900

Analytical Results

StateCertNo: 10248

CLIENT EA Engineering Science and Technology
Project: NYS DEC - Autohaus
W Order: K1110294
Matrix: GROUNDWATER
Inst. ID: MSK_75 **Sample Size** 10 mL
ColumnID: Rtx-VMS **%Moisture:**
Revision: 11/18/11 11:37 **TestCode:** 8260W_OLM42
Col Type:

Lab ID: K1110294-004A
Client Sample ID: *828084-MW-08S*
Collection Date: 10/25/11 9:39
Date Received: 10/26/11 12:59
PrepDate:
BatchNo: R23024
FileID: 1-SAMP-K6463.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					SW8260B		
Dichlorodifluoromethane	ND		1.00	0.10	µg/L	1	10/28/11 13:55
Chloromethane	ND		1.00	0.33	µg/L	1	10/28/11 13:55
Vinyl chloride	ND		1.00	0.33	µg/L	1	10/28/11 13:55
Bromomethane	ND		1.00	0.33	µg/L	1	10/28/11 13:55
Chloroethane	ND		1.00	0.33	µg/L	1	10/28/11 13:55
Trichlorofluoromethane	ND		1.00	0.10	µg/L	1	10/28/11 13:55
1,1-Dichloroethene	ND		0.50	0.16	µg/L	1	10/28/11 13:55
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.10	µg/L	1	10/28/11 13:55
Acetone	ND		10.0	1.00	µg/L	1	10/28/11 13:55
Carbon disulfide	ND		0.50	0.11	µg/L	1	10/28/11 13:55
Methyl acetate	ND		5.00	1.00	µg/L	1	10/28/11 13:55
Methylene chloride	ND		2.00	0.16	µg/L	1	10/28/11 13:55
trans-1,2-Dichloroethene	ND		0.50	0.10	µg/L	1	10/28/11 13:55
Methyl tert-butyl ether	ND		1.00	0.16	µg/L	1	10/28/11 13:55
1,1-Dichloroethane	ND		0.50	0.10	µg/L	1	10/28/11 13:55
cis-1,2-Dichloroethene	ND		0.50	0.10	µg/L	1	10/28/11 13:55
2-Butanone	ND		10.0	1.00	µg/L	1	10/28/11 13:55
Chloroform	ND		0.50	0.10	µg/L	1	10/28/11 13:55
1,1,1-Trichloroethane	ND		0.50	0.10	µg/L	1	10/28/11 13:55
Cyclohexane	ND		0.50	0.10	µg/L	1	10/28/11 13:55
Carbon tetrachloride	ND		0.50	0.10	µg/L	1	10/28/11 13:55
Benzene	ND		0.50	0.10	µg/L	1	10/28/11 13:55
1,2-Dichloroethane	ND		0.50	0.16	µg/L	1	10/28/11 13:55
Trichloroethene	ND		0.50	0.10	µg/L	1	10/28/11 13:55
Methylcyclohexane	ND		0.50	0.10	µg/L	1	10/28/11 13:55
1,2-Dichloropropane	ND		0.50	0.16	µg/L	1	10/28/11 13:55
Bromodichloromethane	ND		0.50	0.10	µg/L	1	10/28/11 13:55
cis-1,3-Dichloropropene	ND		0.50	0.16	µg/L	1	10/28/11 13:55
4-Methyl-2-pentanone	ND		5.00	1.00	µg/L	1	10/28/11 13:55
Toluene	ND		0.50	0.10	µg/L	1	10/28/11 13:55
trans-1,3-Dichloropropene	ND		0.50	0.16	µg/L	1	10/28/11 13:55
1,1,2-Trichloroethane	ND		0.50	0.16	µg/L	1	10/28/11 13:55
Tetrachloroethene	ND		0.50	0.10	µg/L	1	10/28/11 13:55
2-Hexanone	ND		5.00	1.00	µg/L	1	10/28/11 13:55

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5854 Butternut Drive
East Syracuse, NY 13057 (315) 445-1900

Analytical Results

StateCertNo: 10248

CLIENT	EA Engineering Science and Technology			**Lab ID:**	**K1110294-004A**
Project:	NYS DEC - Autohaus			**Client Sample ID:**	***828084-MW-08S***
W Order:	K1110294			**Collection Date:**	10/25/11 9:39
Matrix:	GROUNDWATER			**Date Received:**	10/26/11 12:59
Inst. ID:	MSK_75	**Sample Size**	10 mL	**PrepDate:**	
ColumnID:	Rtx-VMS	**%Moisture:**		**BatchNo:**	R23024
Revision:	11/18/11 11:37	**TestCode:**	8260W_OLM42	**FileID:**	1-SAMP-K6463.D
Col Type:					

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8260B**		
Dibromochloromethane	ND		0.50	0.10	µg/L	1	10/28/11 13:55
1,2-Dibromoethane	ND		0.50	0.16	µg/L	1	10/28/11 13:55
Chlorobenzene	ND		0.50	0.10	µg/L	1	10/28/11 13:55
Ethylbenzene	ND		0.50	0.10	µg/L	1	10/28/11 13:55
Xylenes (total)	ND		1.00	0.30	µg/L	1	10/28/11 13:55
Styrene	ND		0.50	0.10	µg/L	1	10/28/11 13:55
Bromoform	ND		1.00	0.33	µg/L	1	10/28/11 13:55
Isopropylbenzene	ND		0.50	0.10	µg/L	1	10/28/11 13:55
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	µg/L	1	10/28/11 13:55
1,3-Dichlorobenzene	ND		0.50	0.10	µg/L	1	10/28/11 13:55
1,4-Dichlorobenzene	ND		0.50	0.16	µg/L	1	10/28/11 13:55
1,2-Dichlorobenzene	ND		0.50	0.10	µg/L	1	10/28/11 13:55
1,2-Dibromo-3-chloropropane	ND		5.00	1.00	µg/L	1	10/28/11 13:55
1,2,4-Trichlorobenzene	ND		1.00	0.10	µg/L	1	10/28/11 13:55
Surr: 1,2-Dichloroethane-d4	118		75-128	0.16	%REC	1	10/28/11 13:55
Surr: Toluene-d8	101		75-125	0.10	%REC	1	10/28/11 13:55
Surr: 4-Bromofluorobenzene	114		75-125	0.10	%REC	1	10/28/11 13:55

Qualifiers:	* Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
	J Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
	P Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Form 1 TIC

CLIENT SAMPLE NO.

Volatile Organic Compounds by GC/MS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

828084-MW-08S

Lab Name: Life Science Laboratories, Inc. Contract: _____

Lab Code: LIFESCIENCES Case No.: EA SAS No.: _____ SDG No.: K1110294

Matrix: (soil/water) WATER Lab Sample ID: K1110294-004A

Sample wt/vol: 10 (g/mL) ML Lab File ID: K6463.D

Level: LOW Date Received: 10/26/2011

% Moisture: not dec. Date Analyzed: 10/28/2011

GC Column: Rtx-VMS ID: 0.25 (mm) Dilution Factor: 1.00

Extract Volume: _____ (µl)

Number TICs found: 0 CONCENTRATION UNITS: UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q

Life Science Laboratories, Inc.
5854 Butternut Drive
East Syracuse, NY 13057 (315) 445-1900

Analytical Results

StateCertNo: 10248

CLIENT	EA Engineering Science and Technology	**Lab ID:**	K1110294-005A
Project:	NYS DEC - Autohaus	**Client Sample ID:**	*828084-MW-08D*
W Order:	K1110294	**Collection Date:**	10/25/11 10:07
Matrix:	GROUNDWATER	**Date Received:**	10/26/11 12:59
Inst. ID:	MSK_75	**Sample Size** 10 mL	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R23024
Revision:	11/18/11 11:37	**TestCode:** 8260W_OLM42	**FileID:** 1-SAMP-K6459.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8260B**		
Dichlorodifluoromethane	ND		1.00	0.10	µg/L	1	10/28/11 11:51
Chloromethane	ND		1.00	0.33	µg/L	1	10/28/11 11:51
Vinyl chloride	ND		1.00	0.33	µg/L	1	10/28/11 11:51
Bromomethane	ND		1.00	0.33	µg/L	1	10/28/11 11:51
Chloroethane	ND		1.00	0.33	µg/L	1	10/28/11 11:51
Trichlorofluoromethane	ND		1.00	0.10	µg/L	1	10/28/11 11:51
1,1-Dichloroethene	ND		0.50	0.16	µg/L	1	10/28/11 11:51
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.10	µg/L	1	10/28/11 11:51
Acetone	ND		10.0	1.00	µg/L	1	10/28/11 11:51
Carbon disulfide	ND		0.50	0.11	µg/L	1	10/28/11 11:51
Methyl acetate	ND		5.00	1.00	µg/L	1	10/28/11 11:51
Methylene chloride	ND		2.00	0.16	µg/L	1	10/28/11 11:51
trans-1,2-Dichloroethene	ND		0.50	0.10	µg/L	1	10/28/11 11:51
Methyl tert-butyl ether	ND		1.00	0.16	µg/L	1	10/28/11 11:51
1,1-Dichloroethane	ND		0.50	0.10	µg/L	1	10/28/11 11:51
cis-1,2-Dichloroethene	ND		0.50	0.10	µg/L	1	10/28/11 11:51
2-Butanone	ND		10.0	1.00	µg/L	1	10/28/11 11:51
Chloroform	ND		0.50	0.10	µg/L	1	10/28/11 11:51
1,1,1-Trichloroethane	ND		0.50	0.10	µg/L	1	10/28/11 11:51
Cyclohexane	ND		0.50	0.10	µg/L	1	10/28/11 11:51
Carbon tetrachloride	ND		0.50	0.10	µg/L	1	10/28/11 11:51
Benzene	ND		0.50	0.10	µg/L	1	10/28/11 11:51
1,2-Dichloroethane	ND		0.50	0.16	µg/L	1	10/28/11 11:51
Trichloroethene	ND		0.50	0.10	µg/L	1	10/28/11 11:51
Methylcyclohexane	ND		0.50	0.10	µg/L	1	10/28/11 11:51
1,2-Dichloropropane	ND		0.50	0.16	µg/L	1	10/28/11 11:51
Bromodichloromethane	ND		0.50	0.10	µg/L	1	10/28/11 11:51
cis-1,3-Dichloropropene	ND		0.50	0.16	µg/L	1	10/28/11 11:51
4-Methyl-2-pentanone	ND		5.00	1.00	µg/L	1	10/28/11 11:51
Toluene	ND		0.50	0.10	µg/L	1	10/28/11 11:51
trans-1,3-Dichloropropene	ND		0.50	0.16	µg/L	1	10/28/11 11:51
1,1,2-Trichloroethane	ND		0.50	0.16	µg/L	1	10/28/11 11:51
Tetrachloroethene	ND		0.50	0.10	µg/L	1	10/28/11 11:51
2-Hexanone	ND		5.00	1.00	µg/L	1	10/28/11 11:51

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Print Date: 11/18/11 11:38 582262 **Project Supervisor:** Anthony Crescenzi

Life Science Laboratories, Inc.
5854 Butternut Drive
East Syracuse, NY 13057 (315) 445-1900

Analytical Results

StateCertNo: 10248

CLIENT	EA Engineering Science and Technology	**Lab ID:**	K1110294-005A
Project:	NYS DEC - Autohaus	**Client Sample ID:**	*828084-MW-08D*
W Order:	K1110294	**Collection Date:**	10/25/11 10:07
Matrix:	GROUNDWATER	**Date Received:**	10/26/11 12:59
Inst. ID:	MSK_75	**Sample Size** 10 mL	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R23024
Revision:	11/18/11 11:37	**TestCode:** 8260W_OLM42	**FileID:** 1-SAMP-K6459.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8260B**		
Dibromochloromethane	ND		0.50	0.10	µg/L	1	10/28/11 11:51
1,2-Dibromoethane	ND		0.50	0.16	µg/L	1	10/28/11 11:51
Chlorobenzene	ND		0.50	0.10	µg/L	1	10/28/11 11:51
Ethylbenzene	ND		0.50	0.10	µg/L	1	10/28/11 11:51
Xylenes (total)	ND		1.00	0.30	µg/L	1	10/28/11 11:51
Styrene	ND		0.50	0.10	µg/L	1	10/28/11 11:51
Bromoform	ND		1.00	0.33	µg/L	1	10/28/11 11:51
Isopropylbenzene	ND		0.50	0.10	µg/L	1	10/28/11 11:51
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	µg/L	1	10/28/11 11:51
1,3-Dichlorobenzene	ND		0.50	0.10	µg/L	1	10/28/11 11:51
1,4-Dichlorobenzene	ND		0.50	0.16	µg/L	1	10/28/11 11:51
1,2-Dichlorobenzene	0.53		0.50	0.10	µg/L	1	10/28/11 11:51
1,2-Dibromo-3-chloropropane	ND		5.00	1.00	µg/L	1	10/28/11 11:51
1,2,4-Trichlorobenzene	ND		1.00	0.10	µg/L	1	10/28/11 11:51
Surr: 1,2-Dichloroethane-d4	113		75-128	0.16	%REC	1	10/28/11 11:51
Surr: Toluene-d8	104		75-125	0.10	%REC	1	10/28/11 11:51
Surr: 4-Bromofluorobenzene	116		75-125	0.10	%REC	1	10/28/11 11:51

Qualifiers:	* Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
	J Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
	P Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Form 1 TIC

CLIENT SAMPLE NO.

Volatile Organic Compounds by GC/MS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

828084-MW-08D

Lab Name: Life Science Laboratories, Inc. Contract: _____

Lab Code: LIFESCIENCES Case No.: EA SAS No.: _____ SDG No.: K1110294

Matrix: (soil/water) WATER Lab Sample ID: K1110294-005A

Sample wt/vol: 10 (g/mL) ML Lab File ID: K6459.D

Level: LOW Date Received: 10/26/2011

% Moisture: not dec. Date Analyzed: 10/28/2011

GC Column: Rtx-VMS ID: 0.25 (mm) Dilution Factor: 1.00

Extract Volume: _____ (µl)

Number TICs found: 0 CONCENTRATION UNITS: UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q

Life Science Laboratories, Inc.
5854 Butternut Drive
East Syracuse, NY 13057 (315) 445-1900

Analytical Results

StateCertNo: 10248

CLIENT	EA Engineering Science and Technology			**Lab ID:**	K1110294-006A
Project:	NYS DEC - Autohaus			**Client Sample ID:**	*828084-MW-11*
W Order:	K1110294			**Collection Date:**	10/25/11 11:00
Matrix:	GROUNDWATER			**Date Received:**	10/26/11 12:59
Inst. ID:	MSK_75	**Sample Size**	10 mL	**PrepDate:**	
ColumnID:	Rtx-VMS	**%Moisture:**		**BatchNo:**	R23024
Revision:	11/18/11 11:37	**TestCode:**	8260W_OLM42	**FileID:**	1-SAMP-K6464.D
Col Type:					

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8260B**		
Dichlorodifluoromethane	ND		1.00	0.10	µg/L	1	10/28/11 14:26
Chloromethane	ND		1.00	0.33	µg/L	1	10/28/11 14:26
Vinyl chloride	ND		1.00	0.33	µg/L	1	10/28/11 14:26
Bromomethane	ND		1.00	0.33	µg/L	1	10/28/11 14:26
Chloroethane	ND		1.00	0.33	µg/L	1	10/28/11 14:26
Trichlorofluoromethane	ND		1.00	0.10	µg/L	1	10/28/11 14:26
1,1-Dichloroethene	ND		0.50	0.16	µg/L	1	10/28/11 14:26
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.10	µg/L	1	10/28/11 14:26
Acetone	ND		10.0	1.00	µg/L	1	10/28/11 14:26
Carbon disulfide	ND		0.50	0.11	µg/L	1	10/28/11 14:26
Methyl acetate	ND		5.00	1.00	µg/L	1	10/28/11 14:26
Methylene chloride	ND		2.00	0.16	µg/L	1	10/28/11 14:26
trans-1,2-Dichloroethene	ND		0.50	0.10	µg/L	1	10/28/11 14:26
Methyl tert-butyl ether	ND		1.00	0.16	µg/L	1	10/28/11 14:26
1,1-Dichloroethane	ND		0.50	0.10	µg/L	1	10/28/11 14:26
cis-1,2-Dichloroethene	ND		0.50	0.10	µg/L	1	10/28/11 14:26
2-Butanone	ND		10.0	1.00	µg/L	1	10/28/11 14:26
Chloroform	ND		0.50	0.10	µg/L	1	10/28/11 14:26
1,1,1-Trichloroethane	ND		0.50	0.10	µg/L	1	10/28/11 14:26
Cyclohexane	ND		0.50	0.10	µg/L	1	10/28/11 14:26
Carbon tetrachloride	ND		0.50	0.10	µg/L	1	10/28/11 14:26
Benzene	ND		0.50	0.10	µg/L	1	10/28/11 14:26
1,2-Dichloroethane	ND		0.50	0.16	µg/L	1	10/28/11 14:26
Trichloroethene	ND		0.50	0.10	µg/L	1	10/28/11 14:26
Methylcyclohexane	ND		0.50	0.10	µg/L	1	10/28/11 14:26
1,2-Dichloropropane	ND		0.50	0.16	µg/L	1	10/28/11 14:26
Bromodichloromethane	ND		0.50	0.10	µg/L	1	10/28/11 14:26
cis-1,3-Dichloropropene	ND		0.50	0.16	µg/L	1	10/28/11 14:26
4-Methyl-2-pentanone	ND		5.00	1.00	µg/L	1	10/28/11 14:26
Toluene	ND		0.50	0.10	µg/L	1	10/28/11 14:26
trans-1,3-Dichloropropene	ND		0.50	0.16	µg/L	1	10/28/11 14:26
1,1,2-Trichloroethane	ND		0.50	0.16	µg/L	1	10/28/11 14:26
Tetrachloroethene	ND		0.50	0.10	µg/L	1	10/28/11 14:26
2-Hexanone	ND		5.00	1.00	µg/L	1	10/28/11 14:26

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5854 Butternut Drive
East Syracuse, NY 13057 (315) 445-1900

Analytical Results

StateCertNo: 10248

CLIENT	EA Engineering Science and Technology			**Lab ID:**	K1110294-006A
Project:	NYS DEC - Autohaus			**Client Sample ID:**	*828084-MW-11*
W Order:	K1110294			**Collection Date:**	10/25/11 11:00
Matrix:	GROUNDWATER			**Date Received:**	10/26/11 12:59
Inst. ID:	MSK_75	**Sample Size**	10 mL	**PrepDate:**	
ColumnID:	Rtx-VMS	**%Moisture:**		**BatchNo:**	R23024
Revision:	11/18/11 11:37	**TestCode:**	8260W_OLM42	**FileID:**	1-SAMP-K6464.D
Col Type:					

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8260B**		
Dibromochloromethane	ND		0.50	0.10	µg/L	1	10/28/11 14:26
1,2-Dibromoethane	ND		0.50	0.16	µg/L	1	10/28/11 14:26
Chlorobenzene	ND		0.50	0.10	µg/L	1	10/28/11 14:26
Ethylbenzene	ND		0.50	0.10	µg/L	1	10/28/11 14:26
Xylenes (total)	ND		1.00	0.30	µg/L	1	10/28/11 14:26
Styrene	ND		0.50	0.10	µg/L	1	10/28/11 14:26
Bromoform	ND		1.00	0.33	µg/L	1	10/28/11 14:26
Isopropylbenzene	ND		0.50	0.10	µg/L	1	10/28/11 14:26
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	µg/L	1	10/28/11 14:26
1,3-Dichlorobenzene	ND		0.50	0.10	µg/L	1	10/28/11 14:26
1,4-Dichlorobenzene	ND		0.50	0.16	µg/L	1	10/28/11 14:26
1,2-Dichlorobenzene	ND		0.50	0.10	µg/L	1	10/28/11 14:26
1,2-Dibromo-3-chloropropane	ND		5.00	1.00	µg/L	1	10/28/11 14:26
1,2,4-Trichlorobenzene	ND		1.00	0.10	µg/L	1	10/28/11 14:26
Surr: 1,2-Dichloroethane-d4	113		75-128	0.16	%REC	1	10/28/11 14:26
Surr: Toluene-d8	105		75-125	0.10	%REC	1	10/28/11 14:26
Surr: 4-Bromofluorobenzene	117		75-125	0.10	%REC	1	10/28/11 14:26

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Form 1 TIC

CLIENT SAMPLE NO.

Volatile Organic Compounds by GC/MS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

828084-MW-11

Lab Name: Life Science Laboratories, Inc. Contract: _____

Lab Code: LIFESCIENCES Case No.: EA SAS No.: _____ SDG No.: K1110294

Matrix: (soil/water) WATER Lab Sample ID: K1110294-006A

Sample wt/vol: 10 (g/mL) ML Lab File ID: K6464.D

Level: LOW Date Received: 10/26/2011

% Moisture: not dec. Date Analyzed: 10/28/2011

GC Column: Rtx-VMS ID: 0.25 (mm) Dilution Factor: 1.00

Extract Volume: _____ (µl)

Number TICs found: 0 CONCENTRATION UNITS: UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q

Life Science Laboratories, Inc.
5854 Butternut Drive
East Syracuse, NY 13057 (315) 445-1900

Analytical Results

StateCertNo: 10248

CLIENT	EA Engineering Science and Technology			**Lab ID:**	K1110294-007A
Project:	NYS DEC - Autohaus			**Client Sample ID:**	*828084-MW-12*
W Order:	K1110294			**Collection Date:**	10/25/11 11:45
Matrix:	GROUNDWATER			**Date Received:**	10/26/11 12:59
Inst. ID:	MSK_75	**Sample Size**	10 mL	**PrepDate:**	
ColumnID:	Rtx-VMS	**%Moisture:**		**BatchNo:**	R23024
Revision:	11/18/11 11:37	**TestCode:**	8260W_OLM42	**FileID:**	1-SAMP-K6465.D
Col Type:					

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					SW8260B		
Dichlorodifluoromethane	ND		1.00	0.10	µg/L	1	10/28/11 14:57
Chloromethane	ND		1.00	0.33	µg/L	1	10/28/11 14:57
Vinyl chloride	ND		1.00	0.33	µg/L	1	10/28/11 14:57
Bromomethane	ND		1.00	0.33	µg/L	1	10/28/11 14:57
Chloroethane	ND		1.00	0.33	µg/L	1	10/28/11 14:57
Trichlorofluoromethane	ND		1.00	0.10	µg/L	1	10/28/11 14:57
1,1-Dichloroethene	ND		0.50	0.16	µg/L	1	10/28/11 14:57
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.10	µg/L	1	10/28/11 14:57
Acetone	ND		10.0	1.00	µg/L	1	10/28/11 14:57
Carbon disulfide	ND		0.50	0.11	µg/L	1	10/28/11 14:57
Methyl acetate	ND		5.00	1.00	µg/L	1	10/28/11 14:57
Methylene chloride	ND		2.00	0.16	µg/L	1	10/28/11 14:57
trans-1,2-Dichloroethene	ND		0.50	0.10	µg/L	1	10/28/11 14:57
Methyl tert-butyl ether	ND		1.00	0.16	µg/L	1	10/28/11 14:57
1,1-Dichloroethane	ND		0.50	0.10	µg/L	1	10/28/11 14:57
cis-1,2-Dichloroethene	ND		0.50	0.10	µg/L	1	10/28/11 14:57
2-Butanone	ND		10.0	1.00	µg/L	1	10/28/11 14:57
Chloroform	ND		0.50	0.10	µg/L	1	10/28/11 14:57
1,1,1-Trichloroethane	ND		0.50	0.10	µg/L	1	10/28/11 14:57
Cyclohexane	ND		0.50	0.10	µg/L	1	10/28/11 14:57
Carbon tetrachloride	ND		0.50	0.10	µg/L	1	10/28/11 14:57
Benzene	ND		0.50	0.10	µg/L	1	10/28/11 14:57
1,2-Dichloroethane	ND		0.50	0.16	µg/L	1	10/28/11 14:57
Trichloroethene	ND		0.50	0.10	µg/L	1	10/28/11 14:57
Methylcyclohexane	ND		0.50	0.10	µg/L	1	10/28/11 14:57
1,2-Dichloropropane	ND		0.50	0.16	µg/L	1	10/28/11 14:57
Bromodichloromethane	ND		0.50	0.10	µg/L	1	10/28/11 14:57
cis-1,3-Dichloropropene	ND		0.50	0.16	µg/L	1	10/28/11 14:57
4-Methyl-2-pentanone	ND		5.00	1.00	µg/L	1	10/28/11 14:57
Toluene	ND		0.50	0.10	µg/L	1	10/28/11 14:57
trans-1,3-Dichloropropene	ND		0.50	0.16	µg/L	1	10/28/11 14:57
1,1,2-Trichloroethane	ND		0.50	0.16	µg/L	1	10/28/11 14:57
Tetrachloroethene	ND		0.50	0.10	µg/L	1	10/28/11 14:57
2-Hexanone	ND		5.00	1.00	µg/L	1	10/28/11 14:57

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Value exceeds the instrument calibration range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below the PQL
- ND Not Detected at the Practical Quantitation Limit (PQL)
- P Prim./Conf. column %D or RPD exceeds limit
- S Spike Recovery outside accepted recovery limits

Print Date: 11/18/11 11:38 582267 **Project Supervisor:** Anthony Crescenzi

Life Science Laboratories, Inc.
5854 Butternut Drive
East Syracuse, NY 13057 (315) 445-1900

Analytical Results

StateCertNo: 10248

CLIENT	EA Engineering Science and Technology			**Lab ID:**	**K1110294-007A**
Project:	NYS DEC - Autohaus			**Client Sample ID:**	***828084-MW-12***
W Order:	K1110294			**Collection Date:**	10/25/11 11:45
Matrix:	GROUNDWATER			**Date Received:**	10/26/11 12:59
Inst. ID:	MSK_75	**Sample Size**	10 mL	**PrepDate:**	
ColumnID:	Rtx-VMS	**%Moisture:**		**BatchNo:**	R23024
Revision:	11/18/11 11:37	**TestCode:**	8260W_OLM42	**FileID:**	1-SAMP-K6465.D
Col Type:					

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8260B**		
Dibromochloromethane	ND		0.50	0.10	µg/L	1	10/28/11 14:57
1,2-Dibromoethane	ND		0.50	0.16	µg/L	1	10/28/11 14:57
Chlorobenzene	ND		0.50	0.10	µg/L	1	10/28/11 14:57
Ethylbenzene	ND		0.50	0.10	µg/L	1	10/28/11 14:57
Xylenes (total)	ND		1.00	0.30	µg/L	1	10/28/11 14:57
Styrene	ND		0.50	0.10	µg/L	1	10/28/11 14:57
Bromoform	ND		1.00	0.33	µg/L	1	10/28/11 14:57
Isopropylbenzene	ND		0.50	0.10	µg/L	1	10/28/11 14:57
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	µg/L	1	10/28/11 14:57
1,3-Dichlorobenzene	ND		0.50	0.10	µg/L	1	10/28/11 14:57
1,4-Dichlorobenzene	ND		0.50	0.16	µg/L	1	10/28/11 14:57
1,2-Dichlorobenzene	ND		0.50	0.10	µg/L	1	10/28/11 14:57
1,2-Dibromo-3-chloropropane	ND		5.00	1.00	µg/L	1	10/28/11 14:57
1,2,4-Trichlorobenzene	ND		1.00	0.10	µg/L	1	10/28/11 14:57
Surr: 1,2-Dichloroethane-d4	111		75-128	0.16	%REC	1	10/28/11 14:57
Surr: Toluene-d8	100		75-125	0.10	%REC	1	10/28/11 14:57
Surr: 4-Bromofluorobenzene	120		75-125	0.10	%REC	1	10/28/11 14:57

Qualifiers:	*	Value exceeds Maximum Contaminant Level		B	Analyte detected in the associated Method Blank
	E	Value exceeds the instrument calibration range		H	Holding times for preparation or analysis exceeded
	J	Analyte detected below the PQL		ND	Not Detected at the Practical Quantitation Limit (PQL)
	P	Prim./Conf. column %D or RPD exceeds limit		S	Spike Recovery outside accepted recovery limits

Form 1 TIC

CLIENT SAMPLE NO.

Volatile Organic Compounds by GC/MS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

828084-MW-12

Lab Name: Life Science Laboratories, Inc. Contract: _____

Lab Code: LIFESCIENCES Case No.: EA SAS No.: _____ SDG No.: K1110294

Matrix: (soil/water) WATER Lab Sample ID: K1110294-007A

Sample wt/vol: 10 (g/mL) ML Lab File ID: K6465.D

Level: LOW Date Received: 10/26/2011

% Moisture: not dec. Date Analyzed: 10/28/2011

GC Column: Rtx-VMS ID: 0.25 (mm) Dilution Factor: 1.00

Extract Volume: _____ (µl)

Number TICs found: 0 CONCENTRATION UNITS: UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q

Life Science Laboratories, Inc.
5854 Butternut Drive
East Syracuse, NY 13057 (315) 445-1900

Analytical Results

StateCertNo: 10248

CLIENT	EA Engineering Science and Technology	**Lab ID:**	K1110294-008A
Project:	NYS DEC - Autohaus	**Client Sample ID:**	*828084-MW-DUP*
W Order:	K1110294	**Collection Date:**	10/25/11 0:00
Matrix:	GROUNDWATER	**Date Received:**	10/26/11 12:59
Inst. ID:	MSK_75	**Sample Size** 10 mL	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R23024
Revision:	11/18/11 11:37	**TestCode:** 8260W_OLM42	**FileID:** 1-SAMP-K6466.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					SW8260B		
Dichlorodifluoromethane	ND		1.00	0.10	µg/L	1	10/28/11 15:28
Chloromethane	ND		1.00	0.33	µg/L	1	10/28/11 15:28
Vinyl chloride	ND		1.00	0.33	µg/L	1	10/28/11 15:28
Bromomethane	ND		1.00	0.33	µg/L	1	10/28/11 15:28
Chloroethane	ND		1.00	0.33	µg/L	1	10/28/11 15:28
Trichlorofluoromethane	ND		1.00	0.10	µg/L	1	10/28/11 15:28
1,1-Dichloroethene	ND		0.50	0.16	µg/L	1	10/28/11 15:28
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.10	µg/L	1	10/28/11 15:28
Acetone	ND		10.0	1.00	µg/L	1	10/28/11 15:28
Carbon disulfide	ND		0.50	0.11	µg/L	1	10/28/11 15:28
Methyl acetate	ND		5.00	1.00	µg/L	1	10/28/11 15:28
Methylene chloride	ND		2.00	0.16	µg/L	1	10/28/11 15:28
trans-1,2-Dichloroethene	ND		0.50	0.10	µg/L	1	10/28/11 15:28
Methyl tert-butyl ether	ND		1.00	0.16	µg/L	1	10/28/11 15:28
1,1-Dichloroethane	0.18	J	0.50	0.10	µg/L	1	10/28/11 15:28
cis-1,2-Dichloroethene	0.16	J	0.50	0.10	µg/L	1	10/28/11 15:28
2-Butanone	ND		10.0	1.00	µg/L	1	10/28/11 15:28
Chloroform	ND		0.50	0.10	µg/L	1	10/28/11 15:28
1,1,1-Trichloroethane	ND		0.50	0.10	µg/L	1	10/28/11 15:28
Cyclohexane	ND		0.50	0.10	µg/L	1	10/28/11 15:28
Carbon tetrachloride	ND		0.50	0.10	µg/L	1	10/28/11 15:28
Benzene	ND		0.50	0.10	µg/L	1	10/28/11 15:28
1,2-Dichloroethane	ND		0.50	0.16	µg/L	1	10/28/11 15:28
Trichloroethene	0.43	J	0.50	0.10	µg/L	1	10/28/11 15:28
Methylcyclohexane	ND		0.50	0.10	µg/L	1	10/28/11 15:28
1,2-Dichloropropane	ND		0.50	0.16	µg/L	1	10/28/11 15:28
Bromodichloromethane	ND		0.50	0.10	µg/L	1	10/28/11 15:28
cis-1,3-Dichloropropene	ND		0.50	0.16	µg/L	1	10/28/11 15:28
4-Methyl-2-pentanone	ND		5.00	1.00	µg/L	1	10/28/11 15:28
Toluene	ND		0.50	0.10	µg/L	1	10/28/11 15:28
trans-1,3-Dichloropropene	ND		0.50	0.16	µg/L	1	10/28/11 15:28
1,1,2-Trichloroethane	ND		0.50	0.16	µg/L	1	10/28/11 15:28
Tetrachloroethene	1.42		0.50	0.10	µg/L	1	10/28/11 15:28
2-Hexanone	ND		5.00	1.00	µg/L	1	10/28/11 15:28

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5854 Butternut Drive
East Syracuse, NY 13057 (315) 445-1900

Analytical Results

StateCertNo: 10248

CLIENT	EA Engineering Science and Technology	**Lab ID:**	**K1110294-008A**
Project:	NYS DEC - Autohaus	**Client Sample ID:**	***828084-MW-DUP***
W Order:	K1110294	**Collection Date:**	10/25/11 0:00
Matrix:	GROUNDWATER	**Date Received:**	10/26/11 12:59
Inst. ID:	MSK_75	**Sample Size** 10 mL	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R23024
Revision:	11/18/11 11:37	**TestCode:** 8260W_OLM42	**FileID:** 1-SAMP-K6466.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					SW8260B		
Dibromochloromethane	ND		0.50	0.10	µg/L	1	10/28/11 15:28
1,2-Dibromoethane	ND		0.50	0.16	µg/L	1	10/28/11 15:28
Chlorobenzene	ND		0.50	0.10	µg/L	1	10/28/11 15:28
Ethylbenzene	ND		0.50	0.10	µg/L	1	10/28/11 15:28
Xylenes (total)	ND		1.00	0.30	µg/L	1	10/28/11 15:28
Styrene	ND		0.50	0.10	µg/L	1	10/28/11 15:28
Bromoform	ND		1.00	0.33	µg/L	1	10/28/11 15:28
Isopropylbenzene	ND		0.50	0.10	µg/L	1	10/28/11 15:28
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	µg/L	1	10/28/11 15:28
1,3-Dichlorobenzene	0.26	J	0.50	0.10	µg/L	1	10/28/11 15:28
1,4-Dichlorobenzene	1.18		0.50	0.16	µg/L	1	10/28/11 15:28
1,2-Dichlorobenzene	0.51		0.50	0.10	µg/L	1	10/28/11 15:28
1,2-Dibromo-3-chloropropane	ND		5.00	1.00	µg/L	1	10/28/11 15:28
1,2,4-Trichlorobenzene	ND		1.00	0.10	µg/L	1	10/28/11 15:28
Surr: 1,2-Dichloroethane-d4	111		75-128	0.16	%REC	1	10/28/11 15:28
Surr: Toluene-d8	99		75-125	0.10	%REC	1	10/28/11 15:28
Surr: 4-Bromofluorobenzene	108		75-125	0.10	%REC	1	10/28/11 15:28

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
	P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Form 1 TIC

CLIENT SAMPLE NO.

Volatile Organic Compounds by GC/MS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

828084-MW-DUP

Lab Name: Life Science Laboratories, Inc. Contract: _____

Lab Code: LIFESCIENCES Case No.: EA SAS No.: _____ SDG No.: K1110294

Matrix: (soil/water) WATER Lab Sample ID: K1110294-008A

Sample wt/vol: 10 (g/mL) ML Lab File ID: K6466.D

Level: LOW Date Received: 10/26/2011

% Moisture: not dec. Date Analyzed: 10/28/2011

GC Column: Rtx-VMS ID: 0.25 (mm) Dilution Factor: 1.00

Extract Volume: _____ (µl)

Number TICs found: 4 CONCENTRATION UNITS: UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1		unknown hydrocarbon 18.840	18.84	0.60	J
2		unknown hydrocarbon 19.450	19.45	0.62	J
3	000281-23-2	Adamantane 20.210	20.21	0.56	JN
4		unknown hydrocarbon 20.330	20.33	0.89	J

Life Science Laboratories, Inc.
5854 Butternut Drive
East Syracuse, NY 13057 (315) 445-1900

Analytical Results

StateCertNo: 10248

CLIENT EA Engineering Science and Technology
Project: NYS DEC - Autohaus
W Order: K1110294
Matrix: WATER Q
Inst. ID: MSK_75 **Sample Size** 10 mL
ColumnID: Rtx-VMS **%Moisture:**
Revision: 11/18/11 11:37 **TestCode:** 8260W_OLM42
Col Type:

Lab ID: K1110294-009A
Client Sample ID: *Trip Blank*
Collection Date: 10/25/11 0:00
Date Received: 10/26/11 12:59
PrepDate:
BatchNo: R23024
FileID: 1-SAMP-K6467.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					SW8260B		
Dichlorodifluoromethane	ND		1.00	0.10	µg/L	1	10/28/11 16:00
Chloromethane	ND		1.00	0.33	µg/L	1	10/28/11 16:00
Vinyl chloride	ND		1.00	0.33	µg/L	1	10/28/11 16:00
Bromomethane	ND		1.00	0.33	µg/L	1	10/28/11 16:00
Chloroethane	ND		1.00	0.33	µg/L	1	10/28/11 16:00
Trichlorofluoromethane	ND		1.00	0.10	µg/L	1	10/28/11 16:00
1,1-Dichloroethene	ND		0.50	0.16	µg/L	1	10/28/11 16:00
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.10	µg/L	1	10/28/11 16:00
Acetone	ND		10.0	1.00	µg/L	1	10/28/11 16:00
Carbon disulfide	ND		0.50	0.11	µg/L	1	10/28/11 16:00
Methyl acetate	ND		5.00	1.00	µg/L	1	10/28/11 16:00
Methylene chloride	0.18	J	2.00	0.16	µg/L	1	10/28/11 16:00
trans-1,2-Dichloroethene	ND		0.50	0.10	µg/L	1	10/28/11 16:00
Methyl tert-butyl ether	ND		1.00	0.16	µg/L	1	10/28/11 16:00
1,1-Dichloroethane	ND		0.50	0.10	µg/L	1	10/28/11 16:00
cis-1,2-Dichloroethene	ND		0.50	0.10	µg/L	1	10/28/11 16:00
2-Butanone	ND		10.0	1.00	µg/L	1	10/28/11 16:00
Chloroform	ND		0.50	0.10	µg/L	1	10/28/11 16:00
1,1,1-Trichloroethane	ND		0.50	0.10	µg/L	1	10/28/11 16:00
Cyclohexane	ND		0.50	0.10	µg/L	1	10/28/11 16:00
Carbon tetrachloride	ND		0.50	0.10	µg/L	1	10/28/11 16:00
Benzene	ND		0.50	0.10	µg/L	1	10/28/11 16:00
1,2-Dichloroethane	ND		0.50	0.16	µg/L	1	10/28/11 16:00
Trichloroethene	ND		0.50	0.10	µg/L	1	10/28/11 16:00
Methylcyclohexane	ND		0.50	0.10	µg/L	1	10/28/11 16:00
1,2-Dichloropropane	ND		0.50	0.16	µg/L	1	10/28/11 16:00
Bromodichloromethane	ND		0.50	0.10	µg/L	1	10/28/11 16:00
cis-1,3-Dichloropropene	ND		0.50	0.16	µg/L	1	10/28/11 16:00
4-Methyl-2-pentanone	ND		5.00	1.00	µg/L	1	10/28/11 16:00
Toluene	ND		0.50	0.10	µg/L	1	10/28/11 16:00
trans-1,3-Dichloropropene	ND		0.50	0.16	µg/L	1	10/28/11 16:00
1,1,2-Trichloroethane	ND		0.50	0.16	µg/L	1	10/28/11 16:00
Tetrachloroethene	ND		0.50	0.10	µg/L	1	10/28/11 16:00
2-Hexanone	ND		5.00	1.00	µg/L	1	10/28/11 16:00

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Print Date: 11/18/11 11:38 582269 **Project Supervisor:** Anthony Crescenzi

Life Science Laboratories, Inc.
5854 Butternut Drive
East Syracuse, NY 13057 (315) 445-1900

Analytical Results

StateCertNo: 10248

CLIENT	EA Engineering Science and Technology	**Lab ID:**	K1110294-009A
Project:	NYS DEC - Autohaus	**Client Sample ID:**	*Trip Blank*
W Order:	K1110294	**Collection Date:**	10/25/11 0:00
Matrix:	WATER Q	**Date Received:**	10/26/11 12:59
Inst. ID:	MSK_75	**Sample Size** 10 mL	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R23024
Revision:	11/18/11 11:37	**TestCode:** 8260W_OLM42	**FileID:** 1-SAMP-K6467.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8260B**		
Dibromochloromethane	ND		0.50	0.10	µg/L	1	10/28/11 16:00
1,2-Dibromoethane	ND		0.50	0.16	µg/L	1	10/28/11 16:00
Chlorobenzene	ND		0.50	0.10	µg/L	1	10/28/11 16:00
Ethylbenzene	ND		0.50	0.10	µg/L	1	10/28/11 16:00
Xylenes (total)	ND		1.00	0.30	µg/L	1	10/28/11 16:00
Styrene	ND		0.50	0.10	µg/L	1	10/28/11 16:00
Bromoform	ND		1.00	0.33	µg/L	1	10/28/11 16:00
Isopropylbenzene	ND		0.50	0.10	µg/L	1	10/28/11 16:00
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	µg/L	1	10/28/11 16:00
1,3-Dichlorobenzene	ND		0.50	0.10	µg/L	1	10/28/11 16:00
1,4-Dichlorobenzene	ND		0.50	0.16	µg/L	1	10/28/11 16:00
1,2-Dichlorobenzene	ND		0.50	0.10	µg/L	1	10/28/11 16:00
1,2-Dibromo-3-chloropropane	ND		5.00	1.00	µg/L	1	10/28/11 16:00
1,2,4-Trichlorobenzene	ND		1.00	0.10	µg/L	1	10/28/11 16:00
Surr: 1,2-Dichloroethane-d4	114		75-128	0.16	%REC	1	10/28/11 16:00
Surr: Toluene-d8	105		75-125	0.10	%REC	1	10/28/11 16:00
Surr: 4-Bromofluorobenzene	117		75-125	0.10	%REC	1	10/28/11 16:00

Qualifiers:	* Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
	J Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
	P Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Form 1 TIC

CLIENT SAMPLE NO.

Volatile Organic Compounds by GC/MS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Trip Blank

Lab Name: Life Science Laboratories, Inc. Contract: _____

Lab Code: LIFESCIENCES Case No.: EA SAS No.: _____ SDG No.: K1110294

Matrix: (soil/water) WATER Lab Sample ID: K1110294-009A

Sample wt/vol: 10 (g/mL) ML Lab File ID: K6467.D

Level: LOW Date Received: 10/26/2011

% Moisture: not dec. Date Analyzed: 10/28/2011

GC Column: Rtx-VMS ID: 0.25 (mm) Dilution Factor: 1.00

Extract Volume: _____ (µl)

Number TICs found: 0 CONCENTRATION UNITS: UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q

Quality Control Results

2A

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: Life Science Laboratories, In Contract: _____

Lab Code: LIFESCIENCES Case No.: EA SAS No. _____ SDG No.: K1110294

	EPA SAMPLE NO.	LSL ID	SMC1 (DCE) 1 #	SMC2 (TOL) 1 #	SMC3 (BFB) 1 #				TOT OUT
01	MSB-23024	MSB-23024	120	101	101				0
02	LCS-23024	LCS-23024	120	101	101				0
03	828084-MW-08DMS	K1110294-005AMS	112	102	102				0
04	828084-MW-08DMSD	K1110294-005AMSD	111	103	102				0
05	MB-23024	MB-23024	115	104	120				0
06	828084-GP-09	K1110294-001A	110	104	99				0
07	828084-MW-08D	K1110294-005A	113	104	116				0
08	828084-MW-10	K1110294-002A	117	103	118				0
09	828084-MW-01	K1110294-003A	117	103	110				0
10	828084-MW-08S	K1110294-004A	118	101	114				0
11	828084-MW-11	K1110294-006A	113	105	117				0
12	828084-MW-12	K1110294-007A	111	100	120				0
13	828084-MW-DUP	K1110294-008A	111	99	108				0
14	Trip Blank	K1110294-009A	114	105	117				0

	QC Limit
SMC 1 (DCE) 1 = 1,2-Dichloroethane-d4	75-128
SMC 2 (TOL) 1 = Toluene-d8	75-125
SMC 3 (BFB) 1 = 4-Bromofluorobenzene	75-125

Column to be used to flag recovery values

* Values outside of contract required QC limits

Life Science Laboratories, Inc.

5854 Butternut Drive
East Syracuse, NY 13057 (315) 445-1900

ANALYTICAL QC SUMMARY REPORT

Method: SW8260B
Work Order: K1110294
Project: NYS DEC - Autohaus

CLIENT: EA Engineering Science and Technology

Sample ID: **K1110294-005AMS** SampType: **MS** TestCode: **8260W_OLM4** Units: **µg/L** Prep Date: RunNo: **23024**
Client ID: **828084-MW-08D** Batch ID: **R23024** Method: **SW8260B** Analysis Date: **10/28/2011** SeqNo: **582258**
Instrument: **MSK_75** ColumnID: **Rtx-VMS**

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	8.12	1.00	10	0	81	63	141				
Chloromethane	7.61	1.00	10	0	76	62	138				
Vinyl chloride	8.07	1.00	10	0	81	72	136				
Bromomethane	9.42	1.00	10	0	94	54	137				
Chloroethane	9.22	1.00	10	0	92	61	152				
Trichlorofluoromethane	9.19	1.00	10	0	92	49	160				
1,1-Dichloroethene	9.80	0.500	10	0	98	72	125				
1,1,2-Trichloro-1,2,2-trifluoroethane	9.90	0.500	10	0	99	68	134				
Acetone	22.5	10.0	20	0	113	53	133				
Carbon disulfide	8.40	0.500	10	0	84	68	135				
Methyl acetate	15.6	5.00	10	0	156	59	149				S
Methylene chloride	9.92	2.00	10	0	99	75	125				
trans-1,2-Dichloroethene	9.92	0.500	10	0	99	75	125				
Methyl tert-butyl ether	11.7	1.00	10	0	117	72	130				
1,1-Dichloroethane	10.2	0.500	10	0	102	75	125				
cis-1,2-Dichloroethene	10.3	0.500	10	0	103	69	134				
2-Butanone	24.9	10.0	20	0	124	48	151				
Chloroform	10.4	0.500	10	0	104	74	129				
1,1,1-Trichloroethane	10.6	0.500	10	0	106	72	136				
Cyclohexane	9.40	0.500	10	0	94	75	128				
Carbon tetrachloride	10.7	0.500	10	0	107	69	139				
Benzene	10.0	0.500	10	0	101	62	142				
1,2-Dichloroethane	11.2	0.500	10	0	112	75	128				
Trichloroethene	10.1	0.500	10	0	101	67	132				
Methylcyclohexane	9.41	0.500	10	0	94	75	125				
1,2-Dichloropropane	10.1	0.500	10	0	101	75	125				
Bromodichloromethane	10.9	0.500	10	0	109	75	133				

Qualifiers:
B Analyte detected in the associated Method Blank
ND Not Detected at the Practical Quantitation Limit (PQL)
U Not Detected at the MDC or RL
E Value exceeds the instrument calibration range
R RPD exceeds accepted precision limit
J Analyte detected below the PQL
S Spike Recovery outside accepted recovery limits

e: *18-Nov-11*

Life Science Laboratories, Inc.

5854 Butternut Drive
East Syracuse, NY 13057 **(315) 445-1900**

ANALYTICAL QC SUMMARY REPORT

Method: SW8260B
Work Order: K1110294
Project: NYS DEC - Autohaus

CLIENT: EA Engineering Science and Technology

Sample ID: **K1110294-005AMS** SampType: **MS** TestCode: **8260W_OLM4** Units: **µg/L** Prep Date: RunNo: **23024**
Client ID: **828084-MW-08D** Batch ID: **R23024** Method: **SW8260B** Analysis Date: **10/28/2011** SeqNo: **582258**
Instrument: **MSK_75** ColumnID: **Rtx-VMS**

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
cis-1,3-Dichloropropene	10.7	0.500	10	0	107	75	125				
4-Methyl-2-pentanone	23.7	5.00	20	0	118	68	133				
Toluene	10.0	0.500	10	0	100	75	125				
trans-1,3-Dichloropropene	11.4	0.500	10	0	114	75	127				
1,1,2-Trichloroethane	10.7	0.500	10	0	107	71	137				
Tetrachloroethene	10.0	0.500	10	0	101	66	129				
2-Hexanone	21.5	5.00	20	0	107	62	129				
Dibromochloromethane	11.5	0.500	10	0	115	64	132				
1,2-Dibromoethane	11.0	0.500	10	0	110	71	125				
Chlorobenzene	10.2	0.500	10	0	102	75	125				
Ethylbenzene	9.93	0.500	10	0	99	73	127				
Xylenes (total)	29.6	1.00	30	0	99	73	126				
Styrene	9.61	0.500	10	0	96	75	125				
Bromoform	10.8	1.00	10	0	108	61	142				
Isopropylbenzene	10.1	0.500	10	0	101	75	127				
1,1,2,2-Tetrachloroethane	11.0	0.500	10	0	110	75	129				
1,3-Dichlorobenzene	10.3	0.500	10	0	103	75	125				
1,4-Dichlorobenzene	9.92	0.500	10	0	99	75	125				
1,2-Dichlorobenzene	10.5	0.500	10	0.53	100	75	125				
1,2-Dibromo-3-chloropropane	11.9	5.00	10	0	119	68	128				
1,2,4-Trichlorobenzene	9.35	1.00	10	0	94	64	125				
Surr: 1,2-Dichloroethane-d4	11.2	0.100	10	0	112	75	128				
Surr: Toluene-d8	10.2	0.100	10	0	102	75	125				
Surr: 4-Bromofluorobenzene	10.2	0.100	10	0	102	75	125				

Qualifiers:
B Analyte detected in the associated Method Blank
ND Not Detected at the Practical Quantitation Limit (PQL)
U Not Detected at the MDC or RL
E Value exceeds the instrument calibration range
R RPD exceeds accepted precision limit
J Analyte detected below the PQL
S Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.

5854 Butternut Drive
East Syracuse, NY 13057 (315) 445-1900

ANALYTICAL QC SUMMARY REPORT

Method: SW8260B
Work Order: K1110294
Project: NYS DEC - Autohaus

CLIENT: EA Engineering Science and Technology

Sample ID:	K1110294-005AMSD	SampType:	MSD	TestCode:	8260W_OLM4	Units:	µg/L
Client ID:	828084-MW-08D	Batch ID:	R23024	Method:	SW8260B		
Instrument:	MSK_75	ColumnID:	Rtx-VMS				

Prep Date:
Analysis Date: 10/28/2011
RunNo: 23024
SeqNo: 582259

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	8.39	1.00	10	0	84	63	141	8.12	3.3	20	
Chloromethane	7.48	1.00	10	0	75	62	138	7.61	1.7	20	
Vinyl chloride	8.14	1.00	10	0	81	72	136	8.07	0.9	20	
Bromomethane	9.55	1.00	10	0	96	54	137	9.42	1.4	20	
Chloroethane	8.95	1.00	10	0	90	61	152	9.22	3.0	20	
Trichlorofluoromethane	9.56	1.00	10	0	96	49	160	9.19	3.9	20	
1,1-Dichloroethene	10.0	0.500	10	0	100	72	125	9.8	2.2	20	
1,1,2-Trichloro-1,2,2-trifluoroethane	10.2	0.500	10	0	102	68	134	9.9	3.2	20	
Acetone	22.8	10.0	20	0	114	53	133	22.5	1.4	22	
Carbon disulfide	8.51	0.500	10	0	85	68	135	8.4	1.3	20	
Methyl acetate	15.4	5.00	10	0	154	59	149	15.6	1.4	20	S
Methylene chloride	9.69	2.00	10	0	97	75	125	9.92	2.3	20	
trans-1,2-Dichloroethene	10.1	0.500	10	0	101	75	125	9.92	1.8	20	
Methyl tert-butyl ether	11.7	1.00	10	0	117	72	130	11.7	0.1	20	
1,1-Dichloroethane	10.2	0.500	10	0	102	75	125	10.2	0.2	20	
cis-1,2-Dichloroethene	10.3	0.500	10	0	103	69	134	10.3	0.3	20	
2-Butanone	24.6	10.0	20	0	123	48	151	24.9	1.3	20	
Chloroform	10.3	0.500	10	0	103	74	129	10.4	0.9	20	
1,1,1-Trichloroethane	10.6	0.500	10	0	106	72	136	10.6	0.2	20	
Cyclohexane	9.73	0.500	10	0	97	75	128	9.4	3.5	20	
Carbon tetrachloride	10.8	0.500	10	0	108	69	139	10.7	1.4	20	
Benzene	10.0	0.500	10	0	100	82	142	10	0.2	20	
1,2-Dichloroethane	11.0	0.500	10	0	110	75	128	11.2	1.6	20	
Trichloroethene	10.1	0.500	10	0	101	67	132	10.1	0	20	
Methylcyclohexane	9.74	0.500	10	0	97	75	125	9.41	3.4	20	
1,2-Dichloropropane	9.98	0.500	10	0	100	75	125	10.1	1.5	20	
Bromodichloromethane	10.8	0.500	10	0	108	75	133	10.9	1.8	20	

Qualifiers:
B Analyte detected in the associated Method Blank
ND Not Detected at the Practical Quantitation Limit (PQL)
U Not Detected at the MDC or RL
E Value exceeds the instrument calibration range
R RPD exceeds accepted precision limit
J Analyte detected below the PQL
S Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.

5854 Butternut Drive
East Syracuse, NY 13057 **(315) 445-1900**

ANALYTICAL QC SUMMARY REPORT

Method: SW8260B
Work Order: K1110294
Project: NYS DEC - Autohaus

CLIENT: EA Engineering Science and Technology

Sample ID: **K1110294-005AMSD** SampType: **MSD** TestCode: **8260W_OLM4** Units: **µg/L** Prep Date: RunNo: **23024**
Client ID: **828084-MW-08D** Batch ID: **R23024** Method: **SW8260B** Analysis Date: **10/28/2011** SeqNo: **582259**
Instrument: **MSK_75** ColumnID: **Rtx-VMS**

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
cis-1,3-Dichloropropene	10.5	0.500	10	0	105	75	125	10.7	1.7	20	
4-Methyl-2-pentanone	24.2	5.00	20	0	121	68	133	23.7	2.0	20	
Toluene	10.1	0.500	10	0	101	75	125	10	0.4	20	
trans-1,3-Dichloropropene	11.2	0.500	10	0	112	75	127	11.4	2.2	20	
1,1,2-Trichloroethane	10.7	0.500	10	0	107	71	137	10.7	0.4	20	
Tetrachloroethene	10.2	0.500	10	0	102	66	129	10	1.7	20	
2-Hexanone	22.0	5.00	20	0	110	62	129	21.5	2.2	21	
Dibromochloromethane	11.3	0.500	10	0	113	64	132	11.5	1.7	20	
1,2-Dibromoethane	11.1	0.500	10	0	111	71	125	11	0.9	20	
Chlorobenzene	10.2	0.500	10	0	102	75	125	10.2	0.1	20	
Ethylbenzene	9.99	0.500	10	0	100	73	127	9.93	0.6	20	
Xylenes (total)	30.1	1.00	30	0	100	73	126	29.6	1.5	20	
Styrene	9.39	0.500	10	0	94	75	125	9.61	2.3	20	
Bromoform	10.9	1.00	10	0	109	61	142	10.8	1.5	20	
Isopropylbenzene	10.4	0.500	10	0	104	75	127	10.1	2.2	20	
1,1,2,2-Tetrachloroethane	11.0	0.500	10	0	110	75	129	11	0.6	20	
1,3-Dichlorobenzene	10.2	0.500	10	0	102	75	125	10.3	0.8	20	
1,4-Dichlorobenzene	9.90	0.500	10	0	99	75	125	9.92	0.2	20	
1,2-Dichlorobenzene	10.4	0.500	10	0.53	99	75	125	10.5	1.1	20	
1,2-Dibromo-3-chloropropane	11.8	5.00	10	0	118	68	128	11.9	0.8	20	
1,2,4-Trichlorobenzene	9.48	1.00	10	0	95	64	125	9.35	1.4	20	
Surr: 1,2-Dichloroethane-d4	11.1	0.100	10	0	111	75	128	0		0	
Surr: Toluene-d8	10.3	0.100	10	0	103	75	125	0		0	
Surr: 4-Bromofluorobenzene	10.2	0.100	10	0	102	75	125	0		0	

Qualifiers:
- B Analyte detected in the associated Method Blank
- ND Not Detected at the Practical Quantitation Limit (PQL)
- U Not Detected at the MDC or RL
- E Value exceeds the instrument calibration range
- R RPD exceeds accepted precision limit
- J Analyte detected below the PQL
- S Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.

5854 Butternut Drive
East Syracuse, NY 13057 **(315) 445-1900**

ANALYTICAL QC SUMMARY REPORT

Method: SW8260B
Work Order: K1110294
Project: NYS DEC - Autohaus

CLIENT: EA Engineering Science and Technology

Sample ID: **MSB-23024**	SampType: **MSB**	TestCode: **8260W_OLM4**	Units: **µg/L**	Prep Date:		RunNo:	**23024**
Client ID: **ZZZZZ**	Batch ID: **R23024**	Method: **SW8260B**		Analysis Date: **10/28/2011**		SeqNo:	**582270**
Instrument: **MSK_75**	ColumnID: **Rtx-VMS**						

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	8.13	1.00	10	0	81	63	141				
Chloromethane	8.02	1.00	10	0	80	62	138				
Vinyl chloride	8.09	1.00	10	0	81	72	136				
Bromomethane	9.34	1.00	10	0	93	54	137				
Chloroethane	9.56	1.00	10	0	96	61	152				
Trichlorofluoromethane	9.35	1.00	10	0	94	49	160				
1,1-Dichloroethene	9.58	0.500	10	0	96	72	125				
1,1,2-Trichloro-1,2,2-trifluoroethane	9.61	0.500	10	0	96	68	134				
Acetone	24.7	10.0	20	0	124	53	133				
Carbon disulfide	8.46	0.500	10	0	85	68	135				
Methyl acetate	16.6	5.00	10	0	166	59	149				S
Methylene chloride	9.92	2.00	10	0	99	75	125				
trans-1,2-Dichloroethene	10.0	0.500	10	0	100	75	125				
Methyl tert-butyl ether	12.2	1.00	10	0	122	72	130				
1,1-Dichloroethane	10.6	0.500	10	0	106	75	125				
cis-1,2-Dichloroethene	10.3	0.500	10	0	103	69	134				
2-Butanone	26.3	10.0	20	0	131	48	151				
Chloroform	10.8	0.500	10	0	108	74	129				
1,1,1-Trichloroethane	10.9	0.500	10	0	109	72	136				
Cyclohexane	9.32	0.500	10	0	93	75	128				
Carbon tetrachloride	10.9	0.500	10	0	109	69	139				
Benzene	10.2	0.500	10	0	102	62	142				
1,2-Dichloroethane	12.0	0.500	10	0	120	75	128				
Trichloroethene	10.3	0.500	10	0	103	67	132				
Methylcyclohexane	9.09	0.500	10	0	91	75	125				
1,2-Dichloropropane	10.3	0.500	10	0	103	75	125				
Bromodichloromethane	11.3	0.500	10	0	113	75	133				

Qualifiers:
- B Analyte detected in the associated Method Blank
- ND Not Detected at the Practical Quantitation Limit (PQL)
- U Not Detected at the MDC or RL
- E Value exceeds the instrument calibration range
- R RPD exceeds accepted precision limit
- J Analyte detected below the PQL
- S Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.

5854 Butternut Drive
East Syracuse, NY 13057 (315) 445-1900

ANALYTICAL QC SUMMARY REPORT

Method: SW8260B
Work Order: K1110294
Project: NYS DEC - Autohaus

CLIENT: EA Engineering Science and Technology

Sample ID: MSB-23024	SampType: MSB	TestCode: 8260W_OLM4	Units: µg/L	Prep Date:		RunNo:	23024
Client ID: ZZZZZ	Batch ID: R23024	Method: SW8260B		Analysis Date: 10/28/2011		SeqNo:	582270
Instrument: MSK_75	ColumnID: Rtx-VMS						

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
cis-1,3-Dichloropropene	11.3	0.500	10	0	113	75	125				
4-Methyl-2-pentanone	25.7	5.00	20	0	129	68	133				
Toluene	10.1	0.500	10	0	101	75	125				
trans-1,3-Dichloropropene	11.9	0.500	10	0	119	75	127				
1,1,2-Trichloroethane	11.2	0.500	10	0	112	71	137				
Tetrachloroethene	9.50	0.500	10	0	95	66	129				
2-Hexanone	22.6	5.00	20	0	113	62	129				
Dibromochloromethane	11.4	0.500	10	0	114	64	132				
1,2-Dibromoethane	10.9	0.500	10	0	109	71	125				
Chlorobenzene	9.83	0.500	10	0	98	75	125				
Ethylbenzene	9.65	0.500	10	0	97	73	127				
Xylenes (total)	28.4	1.00	30	0	95	73	126				
Styrene	9.36	0.500	10	0	94	75	125				
Bromoform	10.7	1.00	10	0	107	61	142				
Isopropylbenzene	10.1	0.500	10	0	101	75	127				
1,1,2,2-Tetrachloroethane	11.4	0.500	10	0	114	75	129				
1,3-Dichlorobenzene	10.2	0.500	10	0	102	75	125				
1,4-Dichlorobenzene	9.80	0.500	10	0	98	75	125				
1,2-Dichlorobenzene	10.5	0.500	10	0	105	75	125				
1,2-Dibromo-3-chloropropane	13.0	5.00	10	0	130	68	128				S
1,2,4-Trichlorobenzene	9.01	1.00	10	0	90	64	125				
Surr: 1,2-Dichloroethane-d4	12.0	0.100	10	0	120	75	128				
Surr: Toluene-d8	10.1	0.100	10	0	101	75	125				
Surr: 4-Bromofluorobenzene	10.1	0.100	10	0	101	75	125				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

Life Science Laboratories, Inc.

5854 Butternut Drive
East Syracuse, NY 13057 **(315) 445-1900**

ANALYTICAL QC SUMMARY REPORT

Method: SW8260B
Work Order: K1110294
Project: NYS DEC - Autohaus

CLIENT: EA Engineering Science and Technology

Sample ID: **LCS-23024** SampType: **LCS** TestCode: **8260W_OLM4** Units: **µg/L** Prep Date: RunNo: **23024**
Client ID: **ZZZZZ** Batch ID: **R23024** Method: **SW8260B** Analysis Date: **10/28/2011** SeqNo: **582256**
Instrument: **MSK_75** ColumnID: **Rtx-VMS**

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	8.13	1.00	10	0	81	62	142				
Chloromethane	8.02	1.00	10	0	80	58	139				
Vinyl chloride	8.09	1.00	10	0	81	71	136				
Bromomethane	9.34	1.00	10	0	93	56	138				
Chloroethane	9.56	1.00	10	0	96	59	152				
Trichlorofluoromethane	9.35	1.00	10	0	94	53	159				
1,1-Dichloroethene	9.58	0.500	10	0	96	73	121				
1,1,2-Trichloro-1,2,2-trifluoroethane	9.61	0.500	10	0	96	80	123				
Acetone	24.7	10.0	20	0	124	63	143				
Carbon disulfide	8.46	0.500	10	0	85	66	134				
Methyl acetate	16.6	5.00	10	0	166	69	141				S
Methylene chloride	9.92	2.00	10	0	99	69	122				
trans-1,2-Dichloroethene	10.0	0.500	10	0	100	75	120				
Methyl tert-butyl ether	12.2	1.00	10	0	122	73	127				
1,1-Dichloroethane	10.6	0.500	10	0	106	79	122				
cis-1,2-Dichloroethene	10.3	0.500	10	0	103	79	120				
2-Butanone	26.3	10.0	20	0	131	72	129				S
Chloroform	10.8	0.500	10	0	108	78	123				
1,1,1-Trichloroethane	10.9	0.500	10	0	109	75	131				
Cyclohexane	9.32	0.500	10	0	93	77	127				
Carbon tetrachloride	10.9	0.500	10	0	109	71	137				
Benzene	10.2	0.500	10	0	102	80	120				
1,2-Dichloroethane	12.0	0.500	10	0	120	77	126				
Trichloroethene	10.3	0.500	10	0	103	79	121				
Methylcyclohexane	9.09	0.500	10	0	91	80	120				
1,2-Dichloropropane	10.3	0.500	10	0	103	80	123				
Bromodichloromethane	11.3	0.500	10	0	113	79	131				

Qualifiers:
B Analyte detected in the associated Method Blank
ND Not Detected at the Practical Quantitation Limit (PQL)
U Not Detected at the MDC or RL
E Value exceeds the instrument calibration range
R RPD exceeds accepted precision limit
J Analyte detected below the PQL
S Spike Recovery outside accepted recovery limits

47 e: *18-Nov-11*

Life Science Laboratories, Inc.

5854 Butternut Drive
East Syracuse, NY 13057 **(315) 445-1900**

ANALYTICAL QC SUMMARY REPORT

Method: SW8260B
Work Order: K1110294
Project: NYS DEC - Autohaus

CLIENT: EA Engineering Science and Technology

Sample ID: **LCS-23024**	SampType: **LCS**	TestCode: **8260W_OLM4**	Units: **µg/L**	Prep Date:		RunNo:	**23024**
Client ID: **ZZZZZ**	Batch ID: **R23024**	Method: **SW8260B**		Analysis Date:	**10/28/2011**	SeqNo:	**582256**
Instrument: **MSK_75**	ColumnID: **Rtx-VMS**						

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
cis-1,3-Dichloropropene	11.3	0.500	10	0	113	78	124				
4-Methyl-2-pentanone	25.7	5.00	20	0	129	69	128				S
Toluene	10.1	0.500	10	0	101	80	120				
trans-1,3-Dichloropropene	11.9	0.500	10	0	119	72	127				
1,1,2-Trichloroethane	11.2	0.500	10	0	112	80	124				
Tetrachloroethene	9.50	0.500	10	0	95	68	129				
2-Hexanone	22.6	5.00	20	0	113	65	129				
Dibromochloromethane	11.4	0.500	10	0	114	66	129				
1,2-Dibromoethane	10.9	0.500	10	0	109	74	122				
Chlorobenzene	9.83	0.500	10	0	98	80	120				
Ethylbenzene	9.65	0.500	10	0	97	80	120				
Xylenes (total)	28.4	1.00	30	0	95	78	120				
Styrene	9.36	0.500	10	0	94	77	120				
Bromoform	10.7	1.00	10	0	107	62	141				
Isopropylbenzene	10.1	0.500	10	0	101	80	122				
1,1,2,2-Tetrachloroethane	11.4	0.500	10	0	114	73	131				
1,3-Dichlorobenzene	10.2	0.500	10	0	102	80	120				
1,4-Dichlorobenzene	9.80	0.500	10	0	98	80	120				
1,2-Dichlorobenzene	10.5	0.500	10	0	105	80	120				
1,2-Dibromo-3-chloropropane	13.0	5.00	10	0	130	69	125				S
1,2,4-Trichlorobenzene	9.01	1.00	10	0	90	67	120				
Surr: 1,2-Dichloroethane-d4	12.0	0.100	10	0	120	75	128				
Surr: Toluene-d8	10.1	0.100	10	0	101	75	125				
Surr: 4-Bromofluorobenzene	10.1	0.100	10	0	101	75	125				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

4A

SAMPLE NO.

MB-23024

VOLATILE METHOD BLANK SUMMARY

Lab Name: Life Science Laboratorie Contract: _____

Lab Code: LIFESCIE Case No.: EA SAS No.: _____ SDG No.: K1110294

Lab File ID: K6454.D Lab Sample ID: MB-23024

Date Analyzed: 10/28/2011 Time Analyzed: 9:15

GC Column: Rtx-VMS ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: MSK 75

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	MSB-23024	MSB-23024	K6449.D	6:39
02	LCS-23024	LCS-23024	K6449.D	6:39
03	828084-MW-08DMS	K1110294-005AMS	K6451.D	7:42
04	828084-MW-08DMSD	K1110294-005AMSD	K6452.D	8:13
05	828084-GP-09	K1110294-001A	K6458.D	11:20
06	828084-MW-08D	K1110294-005A	K6459.D	11:51
07	828084-MW-10	K1110294-002A	K6460.D	12:22
08	828084-MW-01	K1110294-003A	K6462.D	13:24
09	828084-MW-08S	K1110294-004A	K6463.D	13:55
10	828084-MW-11	K1110294-006A	K6464.D	14:26
11	828084-MW-12	K1110294-007A	K6465.D	14:57
12	828084-MW-DUP	K1110294-008A	K6466.D	15:28
13	Trip Blank	K1110294-009A	K6467.D	16:00

COMMENTS: _____

Life Science Laboratories, Inc.

5854 Butternut Drive
East Syracuse, NY 13057 **(315) 445-1900**

ANALYTICAL QC SUMMARY REPORT

Method: SW8260B
Work Order: K1110294
Project: NYS DEC - Autohaus

CLIENT: EA Engineering Science and Technology

Sample ID: **MB-23024**	SampType: **MBLK**	TestCode: **8260W_OLM4**	Units: **µg/L**	Prep Date:		RunNo:	**23024**
Client ID: **ZZZZZ**	Batch ID: **R23024**	Method: **SW8260B**		Analysis Date: **10/28/2011**		SeqNo:	**582260**
Instrument: **MSK_75**	ColumnID: **Rtx-VMS**						

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	ND	1.00									
Chloromethane	ND	1.00									
Vinyl chloride	ND	1.00									
Bromomethane	ND	1.00									
Chloroethane	ND	1.00									
Trichlorofluoromethane	ND	1.00									
1,1-Dichloroethene	ND	0.500									
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.500									
Acetone	ND	10.0									
Carbon disulfide	ND	0.500									
Methyl acetate	ND	5.00									
Methylene chloride	ND	2.00									
trans-1,2-Dichloroethene	ND	0.500									
Methyl tert-butyl ether	ND	1.00									
1,1-Dichloroethane	ND	0.500									
cis-1,2-Dichloroethene	ND	0.500									
2-Butanone	ND	10.0									
Chloroform	ND	0.500									
1,1,1-Trichloroethane	ND	0.500									
Cyclohexane	ND	0.500									
Carbon tetrachloride	ND	0.500									
Benzene	ND	0.500									
1,2-Dichloroethane	ND	0.500									
Trichloroethene	ND	0.500									
Methylcyclohexane	ND	0.500									
1,2-Dichloropropane	ND	0.500									
Bromodichloromethane	ND	0.500									

Qualifiers:
- B Analyte detected in the associated Method Blank
- ND Not Detected at the Practical Quantitation Limit (PQL)
- U Not Detected at the MDC or RL
- E Value exceeds the instrument calibration range
- R RPD exceeds accepted precision limit
- J Analyte detected below the PQL
- S Spike Recovery outside accepted recovery limits

50 le: *18-Nov-11*

Life Science Laboratories, Inc.

5854 Butternut Drive
East Syracuse, NY 13057 (315) 445-1900

ANALYTICAL QC SUMMARY REPORT

Method: SW8260B
Work Order: K1110294
Project: NYS DEC - Autohaus

CLIENT: EA Engineering Science and Technology

Sample ID: MB-23024	SampType: MBLK	TestCode: 8260W_OLM4	Units: µg/L	Prep Date:		RunNo:	23024
Client ID: ZZZZZ	Batch ID: R23024	Method: SW8260B		Analysis Date: 10/28/2011		SeqNo:	582260
Instrument: MSK_75	ColumnID: Rtx-VMS						

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
cis-1,3-Dichloropropene	ND	0.500									
4-Methyl-2-pentanone	ND	5.00									
Toluene	ND	0.500									
trans-1,3-Dichloropropene	ND	0.500									
1,1,2-Trichloroethane	ND	0.500									
Tetrachloroethene	ND	0.500									
2-Hexanone	ND	5.00									
Dibromochloromethane	ND	0.500									
1,2-Dibromoethane	ND	0.500									
Chlorobenzene	ND	0.500									
Ethylbenzene	ND	0.500									
Xylenes (total)	ND	1.00									
Styrene	ND	0.500									
Bromoform	ND	1.00									
Isopropylbenzene	ND	0.500									
1,1,2,2-Tetrachloroethane	ND	0.500									
1,3-Dichlorobenzene	ND	0.500									
1,4-Dichlorobenzene	ND	0.500									
1,2-Dichlorobenzene	ND	0.500									
1,2-Dibromo-3-chloropropane	ND	5.00									
1,2,4-Trichlorobenzene	ND	1.00									
Surr: 1,2-Dichloroethane-d4	11.5	0.100	10	0	115	75	128				
Surr: Toluene-d8	10.4	0.100	10	0	104	75	125				
Surr: 4-Bromofluorobenzene	12.0	0.100	10	0	120	75	125				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

Form 1 TIC

CLIENT SAMPLE NO.

Volatile Organic Compounds by GC/MS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

MB-23024

Lab Name: Life Science Laboratories, Inc. Contract: _____

Lab Code: LIFESCIENCES Case No.: EA SAS No.: _____ SDG No.: K1110294

Matrix: (soil/water) WATER Lab Sample ID: MB-23024

Sample wt/vol: 10 (g/mL) ML Lab File ID: K6454.D

Level: LOW Date Received:

% Moisture: not dec. Date Analyzed: 10/28/2011

GC Column: Rtx-VMS ID: 0.25 (mm) Dilution Factor: 1.00

Extract Volume: _____ (µl)

Number TICs found: 0 CONCENTRATION UNITS: UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q

8

INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Life Science Laboratories, Inc. SDG No.: K1110294

Lab Code: LIFESCIENCESSY

Lab File ID (Standard): K6450.D Date Analyzed: 10/26/2011

Instrument ID: MSK_75 Time Analyzed: 7:11

GC Column: Rtx-VMS ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #		
12 HOUR STD	2247691	11.89	944637	16.02	745718	19.36		
UPPER LIMIT	4495382	12.39	1889274	16.52	1491436	19.86		
LOWER LIMIT	1123846	11.39	472319	15.52	372859	18.86		
SAMPLE NO.								
01 MSB-23024 (MSB-23024)	2245167	11.89	941639	16.02	735023	19.36		
02 LCS-23024 (LCS-23024)	2245167	11.89	941639	16.02	735023	19.36		
03 828084-MW-08DMS (K1110294-005AMS)	2225295	11.88	901080	16.02	728152	19.36		
04 828084-MW-08DMSD (K1110294-005AMSD)	2430651	11.88	984065	16.02	796598	19.36		
05 MB-23024 (MB-23024)	2218606	11.88	893177	16.03	587975	19.36		
06 828084-GP-09 (K1110294-001A)	2345511	11.88	924103	16.03	740372	19.36		
07 828084-MW-08D (K1110294-005A)	2232253	11.88	900977	16.03	600303	19.36		
08 828084-MW-10 (K1110294-002A)	2127473	11.88	863901	16.02	553337	19.38		
09 828084-MW-01 (K1110294-003A)	2287110	11.88	937909	16.02	633333	19.36		
10 828084-MW-08S (K1110294-004A)	2179224	11.88	894572	16.02	582222	19.36		
11 828084-MW-11 (K1110294-006A)	2214269	11.88	870010	16.02	551627	19.36		
12 828084-MW-12 (K1110294-007A)	2417776	11.88	969921	16.03	582550	19.36		
13 828084-MW-DUP (K1110294-008A)	2348274	11.88	951626	16.02	633423	19.36		
14 Trip Blank (K1110294-009A)	2222688	11.88	870425	16.02	538472	19.36		

IS1 = Fluorobenzene

IS2 = Chlorobenzene-d5

IS3 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

Appendix D

Waste Manifest

ENVIRONMENTAL PRODUCTS & SERVICES OF VERMONT, INC.

24-Hour Emergency Phone Number
1-800-843-8265

Please print or type

BILL OF LADING

1. Document No. SYR4665 | 2. Page 1 of 1

3. Generator's Name and Mailing Address
EA ENGINEERING
6712 BROOKLAWN PARKWAY
SYRACUSE NY 13211
4. Generator's Phone (315) 431-4610

Site Address
99 MARSH ROAD
ROCHESTER NY 14845

5. Transporter 1 Company Name: ENVIRONMENTAL PROD & SVCS OF VT, INC
6. NYR000115733
A. State Transporter's ID: 7684-VT
B. Transporter 1 Phone: 800 843-8265

7. Transporter 2 Company Name
8.
C. State Transporter's ID
D. Transporter 2 Phone

9. Designated Facility Name and Site Address
ENVIRONMENTAL PROD & SVCS OF VT, INC
532 STATE FAIR BLVD.
SYRACUSE NY 13204
HM
10. NYR000115733
E. State Facility's ID
F. Facility's Phone: 800 843-8265

GENERATOR

	11. Shipping Name	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a.	Non-RCRA, Non-DOT SOLIDS, N.O.S. (TRACE ORGANICS CONTAMINATED SOIL)	03	DM	1200 -	P
b.					
c.					
d.					

G. Additional Descriptions for Materials Listed Above
a. APP #:1111028-DT, 3 X 55 GAL
b.
c.
d. JOB #N10226

15. Special Handling Instructions and Additional Information
1)

16. **GENERATOR'S CERTIFICATION:** I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this document are not subject to federal manifest requirements.

Printed/Typed Name: Rob Peterson on behalf of NYSDEC
Signature: Robert Peterson
Date: Month 11 Day 04 Year 11

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Chuck Sopar
Signature:
Date: Month 11 Day 04 Year 11

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the materials covered by this bill of lading except as noted in item 19.
Printed/Typed Name: Jeff Stanislaw
Signature: Jeff Stanislaw
Date: Month 11 Day 14 Year 11

BILL OF LADING