FINAL PERIODIC REVIEW REPORT (2010)

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





New York State Department of Environmental Conservation Division of Environmental Remediation

Prepared by:



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

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Periodic Review Report (2010) Autohaus of Rochester (828084) East Rochester, New York

Prepared for

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CONTENTS

LIST OF FIGURES LIST OF TABLES

			I	Page
EX	ECU	TIVE S	SUMMARY	1
1.	INT	RODU	CTION	3
	1.1 1.2	Backg Post-C	round Closure Monitoring Objectives	3 4
		1.2.1	Previous Recommendations	4
	1.3 1.4	Period Report	lic Review Report t Organization	4 5
2.	MO	NITOR	ING WELL INSTALLATION	6
	2.1	Monite	oring Well Installation	6
		2.1.1 2.1.2	Monitoring Well Installation Method Monitoring Well Development	6 7
3.	GRO	OUNDV	WATER MONITORING ACTIVITIES	8
	3.1 3.2	Monite Groun	oring Well Gauging/Groundwater Flow Idwater Sampling and Analysis	8 8
4.	SITI	E MAN	AGEMENT RESULTS	9
	4.1 4.2	Groun Groun	dwater Elevations dwater Analytical Data	9 10
		4.2.1	December 2010 Analytical Data	10
5.	CON	NCLUS	SIONS AND RECOMMENDATIONS	11
	5.1	CONC	CLUSIONS	11
		5.1.1 5.1.2	Groundwater Gauging Groundwater Monitoring	11 11
	5.2	RECO	DMMENDATIONS	13

APPENDIX A: INSTITUTIONAL AND ENGINEERING CONTROLS CERTIFICATION FORM

APPENDIX B: DAILY FIELD REPORTS

- APPENDIX C: SOIL BORING LOGS
- APPENDIX D: GROUNDWATER SAMPLING FORMS
- APPENDIX E: ANALYTICAL FORM Is

LIST OF FIGURES

Number

Title

1 Site location.

- 2 Groundwater monitoring locations.
- 3 Groundwater elevations October 2007.
- 4 Groundwater elevations October 2008.
- 5 Groundwater elevations April 2009.
- 6 Groundwater elevations December 2010.
- 7 Volatile organic compounds in groundwater samples.

LIST OF TABLES

Number

Title

- 1 Summary of volatile organic compounds in groundwater October 2007
- 2 Summary of volatile organic compounds in groundwater October 2008.
- 3 Summary of volatile organic compounds in groundwater April 2009.
- 4 Summary of volatile organic compounds in groundwater December 2010.

ES.1 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 dated March 1998 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.

As of 2009, a complete evaluation of groundwater flow across the site had not been completed due to a lack of sufficient monitoring points at the site. As such, 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.

Several VOCs have been detected during the 2007-2010 annual monitoring events with selected analytes sporadically detected at concentrations greater than their corresponding Ambient Water Quality Standards (AWQS). At piezometer location GP-09, 1,2-dichlorobenzene has been consistently detected at concentrations one order of magnitude greater than its AWQS of 5 μ g/L. Additional analytes including benzene, 1,4-dichlorobenzene, ethylbenzene, toluene, and total xylenes were detected at concentrations greater than their respective AWQS within GP-09 during the December 2010 annual sampling event. All detected analytes have been at concentrations significantly less than concentrations detected prior to the implementation of the IRM.

Based on groundwater monitoring results for Fall 2007, Fall 2008, Spring 2009, and December 2010 indicating exceedences of AWQS within GP-09, additional groundwater monitoring is recommended for Fall 2011. Also, monitoring wells should be reviewed for serviceability and replaced as necessary. There is little indication that the concentrations of contaminants in groundwater are increasing or decreasing significantly, and seasonal groundwater fluctuations may influence concentrations. In the 1998 Record of Decision, it was noted that the groundwater table had risen and may have interacted with contaminated soil. EA recommends continuing sampling on an annual basis and sampling should occur during a single season.

1. INTRODUCTION

The New York State Department of Environmental Conservation (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)¹. 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 conducted at the site in October 2007, October 2008, April 2009, and December 2010. Site monitoring is required by, and stipulated in, the Record of Decision (ROD). 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 volatile organic compounds (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 interim remedial measure (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.

¹ 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, dated March 1998, 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

In accordance with the Site Management Plan (SMP) (EA, 2007)², environmental monitoring points will 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 onsite 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 December 2010 groundwater

EA Project No.: 14474.05

² 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.

sampling event, monitoring well installation, and annual groundwater gauging; and to provide sufficient documentation that the remedy remains in place, is performing properly and effectively, and is protective of public health and the environment. This report would also document 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. A completed Institutional and Engineering Controls Certification Form is provided in Appendix A.

1.4 **REPORT ORGANIZATION**

A summary of field activities and results including groundwater monitoring well installation and groundwater sampling and analysis 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—Institutional and Engineering Controls Certification Form
- Appendix B—Daily Field Report
- Appendix C—Soil Boring Logs
- Appendix D—Groundwater Sampling Forms
- Appendix E—Analytical Forms Is.

EA Project No.: 14474.05

2. MONITORING WELL INSTALLATION

To sufficiently assess groundwater flow within the on-site overburden aquifer, the installation of two additional on-site groundwater monitoring wells was previously recommended and discussed with the NYSDEC project manager. The following sections describe the procedures used to install and develop the additional groundwater monitoring wells in December 2010.

2.1 MONITORING WELL INSTALLATION

Based on previously reported data while the public well field to the northwest of the site was in operation, groundwater flowed in a westerly direction across the site. Following the abandonment of the well field in 1995, groundwater flow reverted to pre-pumping conditions with flow to the north/northeast. The monitoring well array for the site was put in place during the operational phase of the well field and did not provide a monitoring point downgradient to the northeast of the original area of contamination. In accordance with the SMP and based on discussions with the NYSDEC, two additional groundwater monitoring wells (MW-11 and MW-12) were installed on 21 December 2010. An EA field geologist observed the drilling and installation of the monitoring well according to the procedures described below. The daily field report is provided in Appendix B. The soil boring logs and monitoring wells are illustrated in Figure 2.

2.1.1 Monitoring Well Installation Method

Two monitoring wells were installed on 21 December 2010 by Nothnagle Drilling Inc. (Nothnagle) of Scottsville, New York. The shallow groundwater monitoring wells were installed in order to further assess onsite groundwater flow, as previous gauging events provided inconclusive groundwater flow direction data. The monitoring wells were installed with screened intervals similar to previously installed monitoring well GP-09 in order to gauge flow within a specific overburden aquifer.

The two monitoring wells were installed approximately 30 ft below ground surface (bgs) and screened to intersect groundwater at a depth similar to GP-09. Each monitoring well was installed using a 3.25-in. inner diameter (ID) hollow-stem auger. Macro-cores and photoionization detector (PID) readings were recorded for the entire well boring. Groundwater was encountered within the borings at approximately 6.5 ft bgs.

The bottom of the well screen was fitted with a new 1 in. well cap. The monitoring wells were constructed with 10 ft of new 1-in. ID threaded, flush-joint Schedule 40 polyvinyl chloride (PVC) machine-slotted (slot size 0.010 in.) well screen and an appropriate length of new 1-in. ID PVC riser pipe to ground surface.

	Revision: FINAL
EA Engineering, P.C. and its Affiliate	Page 6 of 12
EA Science and Technology	August 2011

After the well screen and riser pipe were positioned at the desired depth, the annular space between the borehole and the PVC well screen was packed with clean Morie #0 sand. The augers were raised while the filter pack was set, and the depth to the sand pack inside the augers was measured continuously to ensure that no air pockets or bridging formed within the annular space. The top of the filter packs extended approximately 2 ft above the top of the screen. A 3-ft bentonite chip seal was set above the filter packs and hydrated. The remaining annular space was Morie #0 sand to grade. The wells were finished with a protective steel flush-mount casing and cover.

2.1.2 Monitoring Well Development

At the request of the NYSDEC representative, monitoring well development was completed approximately 24-hours following installation of the wells. Monitoring well development was completed on 22 December 2010 using pumping techniques to remove 5 well volumes of purge water. This technique was utilized to allow for groundwater sample collection on the same day.

EA Project No.: 14474.05

3. 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 December 2010.

3.1 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 and piezometer locations are illustrated in 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.

3.2 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 B. Groundwater sampling forms are provided in Appendix D.

4. SITE MANAGEMENT RESULTS

This section presents the results of the field sampling activities conducted during the December 2010 groundwater monitoring well installation and annual groundwater sampling event. A summary of the results of the site management program to date is also presented.

4.1 **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 /	Measuring Point	Water Elevation (ft AMSL)									
Piezometer	(ft AMSL)	October 2007	October 2008	April 2009	December 2010						
MW-01	419.24	410.21	410.04	410.84	409.00						
MW-08S	420.40	408.14	407.77	410.40	408.26						
MW-08D	421.13	405.71	405.13	406.93	405.25						
MW-09	430.78	406.05	405.48	406.15	^(a)						
MW-10	418.13	409.53	409.12	410.83	408.47						
GP-09	418.35	405.83	405.19	406.37	405.50						
MW-11	417.45	^(b)	^(b)	^(b)	405.96						
MW-12	417.93	^(b)	^(b)	^(b)	406.64						
(a) Monitoring well	MW-09 observed to b	be unservicable dur	ing December 2010) gauging event	t.						
(b) Monitoring wells	s MW-11 and MW-12	installed prior to I	December 2010 gau	iging event							
NOTE: AMSL =	Above mean se	ea 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, and 6). 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. 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. These contours are similar to previously collected groundwater elevation data which did not provide spatially complete data and therefore provided incomplete contours. As previously determined in the ROD, groundwater flow in the vicinity of the former drywell is to the north/northeast. However, groundwater also flows to the south and, across a steeper gradient, to the north towards GP-09. 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.

4.2 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 Ambient Water Quality Standards (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 7.

Several VOCs have been detected during the 2007-2010 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).

4.2.1 December 2010 Analytical Data

Six VOCs were detected greater than their respective AWQS during the December 2010 annual sampling event at one location (GP-09).

- Benzene (1.44 μ g/L) was detected greater than its AWQS of 1 μ g/L
- 1,2-Dichlorobenzene (80.2 μ g/L) was detected greater than its AWQS of 5 μ g/L
- 1,4- Dichlorobenzene (3.53 μ g/L) was detected greater than its AWQS of 3 μ g/L
- Ethylbenzene (6.7 μ g/L) was detected greater than its AWQS of 5 μ g/L
- Total xylenes (24 μ g/L) were detected greater than their AWQS of 5 μ g/L.

EA Project No.: 14474.05

5. CONCLUSIONS AND RECOMMENDATIONS

Based upon the current SMP and sampling results from 2010 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.

5.1 CONCLUSIONS

5.1.1 Groundwater Gauging

Based on the results of historic annual gauging, shallow groundwater flows were generally believed to be to the north-northwest at the site. However, following the installation of two additional monitoring wells (MW-11 and MW-12), gauging completed in December 2010 indicates that on-site groundwater flow radiates from a slight groundwater divide. The general flow direction is to the northeast, consistent with the ROD, and to the north/northwest in the vicinity of the former drywell. The estimated groundwater surface derived from the December 2010 gauging event 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 helped to provide 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 PVC riser was crushed and disconnected from the remaining screened well. Additionally, the pavement surrounding the flush mount for GP-09 is cracked resulting in a slight depression leading to accumulation of surface water in the well casing

5.1.2 Groundwater Monitoring

Based on the annual groundwater sampling analytical data collected to date, eight VOCs (i.e., 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. The majority of these recent detections were in samples from one well, GP-09, and are summarized as follows:

• 1,2-Dibromo-3-chloropropane was detected greater than its AWQS value of 0.04 μ g/L within GP-09 (5.42 μ g/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 considered to be a contaminant of concern at this time.

- 1,2-Dichlorobenzene was detected within groundwater near the former drywell at a
 maximum concentrations of 52 µg/L during the post-IRM site characterization completed
 in 1997. Recent sampling data from well GP-09 appears to indicate that concentrations
 of this compound is not decreasing as the analyte has been detected at levels exceeding
 AWQS during each annual sampling event.
- 1,4-Dichlorobenzene was detected at relatively low concentrations in each annual sampling event. The most recent groundwater sampling results reported 1,4dichlorobenzene concentrations in exceedence of its AWQS of $3 \mu g/L$ in 2009 (3.27 $\mu g/L$) and 2010 (3.53 $\mu g/L$). Historical site data indicate a maximum detection in groundwater of $9 \mu g/L$ during the 1997 post-IRM site characterization. Due to the relatively low historical levels of this compound and the slight exceedence of AWQS noted during 2009 annual sampling, 1,4-dichlorobenzene is not considered a contaminant of concern at this time.
- Ethylbenzene historically was detected in groundwater at a maximum concentration of 53.7 μ g/L in well MW-01 (July 1990). Recent annual monitoring has shown a decrease in concentrations within on-site groundwater. While slight exceedences to its AWQS of 5 μ g/L were observed within GP-09 during 2007 (6.03 μ g/L), 2009 (7.470 μ g/L) and 2010 (6.7 μ g/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 μ g/L within MW-01 in July of 1990. Annual monitoring has shown a decrease in concentrations within on-site groundwater. While exceedences to its AWQS of 5 μ g/L were observed within GP-09 during 2007 (9.57 μ g/L) and 2009 (21.7 μ g/L) annual sampling events, the 2010 annual event indicated a concentration of 4.96 μ g/L. Overall, it appears that concentrations of toluene have decreased to acceptable levels.
- Total xylenes concentrations were detected at a maximum concentration of 347 μ g/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 μ g/L were observed within GP-09 during 2007 (27.3 μ g/L), 2009 (37.9 μ g/L), and 2010 (24 μ g/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 in exceedence of their applicable AWQS values during the December 2010 annual monitoring event.

	Revision: FINAL
EA Engineering, P.C. and its Affiliate	Page 12 of 12
EA Science and Technology	August 2011

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 and was most recently detected greater than the previous maximum concentration.

5.2 **RECOMMENDATIONS**

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

- Additional Groundwater Sampling: Based upon analytical data collected to date, this site currently meets the goals stated in the ROD 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 remain within groundwater at levels slightly exceeding AWQS standards for Class GA groundwater. 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. The fluctuating concentrations at GP-09 could reflect changing groundwater elevations that have varied by as much as 1 foot between sampling events. Seasonal groundwater fluctuation could provide for interaction between impacted soil and groundwater resulting in small localized releases of contaminants. Additionally, the potential exists for surface water infiltration due to a damaged casing at MW-09 and cracked pavement and a localized depression at GP-09 as described below.
- **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 either replaced or decommissioned in accordance with NYSDEC CP-43: Groundwater Monitoring Well Decommissioning Policy. Additionally, at GP-09, the cracked pavement has created a slight depression surrounding the flush-mounted protective casing. Surface run-off has been observed to be collecting in the subsurface casing and could be leaking into the well. Replacing the flush-mount protective casing is recommended to mitigate against surface run-off potentially influencing groundwater.
- **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 to the north-northeast, as previously identified in the ROD. EA recommends additional on-site gauging activities to further confirm groundwater flow direction.

EA Project No.: 14474.05













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	1,2-Dici Ethylber Isoprop Methyl t Xylenes	hloropropane nzene wylbenzene lert-butyl ether s (total)		ND 1.38 0.69 ND 1.94	ND ND 0.75 J ND	0.16 J 1.05 ND 0.52 J 1.34			5		· · ·	1	1, 1, 1, 1, Cis 1,	2-Dichlorobenzene 3-Dichlorobenzene 4-Dichlorobenzene 1-Dichloroefhane 5-1,2-Dichloroefhane 2-Dichloropropane	46.7 ND 1.8 0.22 0.27	D 9.36 ND 0.44 J 0.61 J ND J ND	73.2 D 0.12 J 3.27 1.77 019 J 0.26 J	80.2 0.17 J 3.53 2.46 0.12 J ND	
MW-01 -	Oct-07 µg/L ND	Oct-08 µg/L	Αpr-09 μg/L 2.01 J	Dec-10 µg/L ND				2	1		M.E.C.		el el M	hylbenzene opropylbenzene ethyl tert-butyl ether	6.03 0.84 1.73	0.71 ND ND	7.47 0.89 1.34	6.7 1.4 1.51	
1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,1-Dichloroefhane	1.7 0.51 2.13 ND	0.25 0.24 0.51 ND	1.71 0.47 J 2.3 0.63	0.8 0.39 J 1.92 0.25 J		*	-		40	6		II.	4- M Te	imetry in 2-pentanone ethylene chloride pluene ichloroethene	0.15 9.57 0.32	J ND J ND J J ND	0.27 J 21.7 0.51	0.39 J 4.96 0.81	
cis-1,2-Dichloroethene Ethylbenzene Isopropylbenzene Tetrachloroethene	0.5 0.1 0.24 3.06	0.26 ND ND 1.72	3.43 0.5 0.12 J 2.51	0.28 J ND ND 1.91		Ар	proxim	ate loca	tion	-	*		×.	vlenes (total)	27.3	4.34	37.9	24	1
Toluene Trichloroefhene Xylenes (total)	ND 0.23 ND	ND 0.24 ND	0.12 J 0.36 J 1.4	ND 0.56 ND		of f	ormer	drywell	6		- Martin			MW-1 Dichlorodifuoromet	2	<mark>Dec-10</mark> µg/L 0.19 J			-
	Dec-10					45	-	Stall a				MW-1 Bromodichlorometh	10 thane	Осt-07 С µg/L ND	Det-08 Ap pg/L pr ND N	<mark>r-09 Dec g/L µg</mark> ID 0.4	<mark>:-10</mark> //L 6 J		
MW-11 Toluene	0.13 J			1	î	188	MAN	UA				Chloroform		ND	ND 0.	52 2.	87		
autor				4			-1	Ne	o detections	08S	1. 5	R.		SEA.	A.	14 . 84	The second		
- Jones		Acetone Bromodichle	MW-08D		Oct-07 µg/L ND ND	Oct-08 µg/L ND ND	Αρr-09 μg/L 2.53 J ND	Dec-10 µg/L ND 0.15 J	La .					ar .					
		Chloroform Carbon dise Dibromochl	ulfide Ioromethane	2012	ND ND ND	ND ND ND	ND 0.12 J ND	0.19 J ND 1.31	N					TR		***		1	
					ere a					A.									
all the second			A	79				1	X					N.		44	t.	1	
	{ {	Jr J	Lege	end Pro Det	perty B ected \	oundar <u>:</u> value is	y an estim	ate								0	Feet	1(00 1
	de la	Da	BOL NE D	D Val Not Dilu Mo	ue dete Detect ition nitoring	ected is ed well	above A	mbient Wat	er Quality	y Standar	d			Sourc	ce: NYS al Infrast	Office of	Cyber S Coordina	ecurity tion (CS	and SCIC)
	CEPARTMENT.	ARW YORK	STATE		ŀ	AUTC	HAUS PER EAST	OF RO IODIC R ROCHE	CHES REVIE\ STER	TER SI N REP , NEW	ITE (82 ORT YORK	28084)		VOLATIL IN GR	F E OR OUNE	IGUR GANI WAT	E 7 C CON ER SA	/POU MPLE	NDS ES
PROJECT MGR: CJS	DESI	GNED DCC	BY:	CRE	ATED DCC	BY:	CHEC	KED BY: CJS	SC AS S	ALE: HOWN	C MA	DATE: Y 2011		PROJEC 14474	CT NO:		\GI _Figure	S\ 7.mxd	

	Sample ID	8-24-084-MW	-01	8-28-084-MW-	085	8-28-084-MW-	-08D	8-24-084-MW	-09	8-24-084-MW	-10	
	Lab ID	0710091-005	A	0710091-002	A	0710091-003	3A	0710091-004	A	0710091-001	А	NYSDEC Ambient Water Quality
	Sample Type	Groundwate	r	Groundwate	r	Groundwate	er	Groundwate	r	Groundwate	r	Standard
Parameter List		10/11/2007		10/11/2007		10/11/2005	-	10/11/2007		10/11/2007		Class GA
USEPA Method 8260B	Sample Date	10/11/2007		10/11/2007		10/11/2007	/	10/11/2007		10/11/2007		(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	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)	Ŭ	(<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)
Isopropyibenzene	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)
					45							
	Sample ID	8-24-084-GP-	09	8-24-084-Dup) ^(a)	Trip Blank						
	Sample ID	8-24-084-GP-	09	8-24-084-Dup) ^(a)	Trip Blank						NYSDEC Ambient
	Sample ID Lab ID	8-24-084-GP- 0710091-006	09 A	8-24-084-Dup 0710091-007	o ^(a)	Trip Blank 0710091-008	SA					NYSDEC Ambient Water Quality
	Sample ID Lab ID Sample Type	8-24-084-GP- 0710091-006 Groundwate	09 A	8-24-084-Dup 0710091-007 Groundwate	o ^(a) A	Trip Blank 0710091-008 Groundwate	SA BA					NYSDEC Ambient Water Quality Standard
Parameter List	Sample ID Lab ID Sample Type	8-24-084-GP- 0710091-006 Groundwate	09 A r	8-24-084-Dup 0710091-007 Groundwate	o ^(a) A	Trip Blank 0710091-008 Groundwate	a BA er					NYSDEC Ambient Water Quality Standard Class GA
Parameter List USEPA Method 8260B	Sample ID Lab ID Sample Type Sample Date	8-24-084-GP- 0710091-006 Groundwate 10/11/2007	09 A r	8-24-084-Dup 0710091-007 Groundwate 10/11/2007	A A	Trip Blank 0710091-008 Groundwate 6/26/2007	a BA er					NYSDEC Ambient Water Quality Standard Class GA (µg/L)
Parameter List USEPA Method 8260B Acetone	Sample ID Lab ID Sample Type Sample Date µg/L	8-24-084-GP- 0710091-006 Groundwate 10/11/2007 5.16	09 A r J	8-24-084-Dup 0710091-007 Groundwate 10/11/2007 1.03	a) A A T A	Trip Blank 0710091-008 Groundwate 6/26/2007 (<10)	A BA er U					NYSDEC Ambient Water Quality Standard Class GA (ug/L) 50 (g)
Parameter List USEPA Method 8260B Acetone Benzene	Sample ID Lab ID Sample Type Sample Date µg/L µg/L	8-24-084-GP- 0710091-006 Groundwate 10/11/2007 5.16 1.16	09 A r J	8-24-084-Dup 0710091-007 Groundwate 10/11/2007 1.03 (<0.5)	er J U	Trip Blank 0710091-008 Groundwate 6/26/2007 (<10) (<0.5)	a BA er U U					NYSDEC Ambient Water Quality Standard Class GA (µg/L) 50 (g) 1 (s)
Parameter List USEPA Method 8260B Acetone Benzene Chlorobenzene	Sample ID Lab ID Sample Type Sample Date µg/L µg/L	8-24-084-GP- 0710091-006 Groundwate 10/11/2007 5.16 1.16 0.59	09 A r J	8-24-084-Dup 0710091-007 Groundwate 10/11/2007 1.03 (<0.5) (<0.5)	A A T J U U	Trip Blank 0710091-008 Groundwate 6/26/2007 (<10) (<0.5) (<0.5)	and a set of the set o					NYSDEC Ambient Water Quality Standard Class GA (<u>µg/L</u>) 50 (g) 1 (s) 5 (s)
Parameter List USEPA Method 8260B Acetone Benzene Chlorobenzene Chloroethane	Sample ID Lab ID Sample Type Sample Date µg/L µg/L µg/L µg/L	8-24-084-GP- 0710091-006 Groundwate 10/11/2007 5.16 1.16 0.59 0.58	09 A r J J	8-24-084-Dup 0710091-007 Groundwate 10/11/2007 1.03 (<0.5) (<0.5) (<1)	A A T U U U U	Trip Blank 0710091-008 Groundwate 6/26/2007 (<10) (<0.5) (<0.5) (<1)	A BA Per U U U U U					NYSDEC Ambient Water Quality Standard Class GA (µg/L) 50 (g) 1 (s) 5 (s) 5 (s)
Parameter List USEPA Method 8260B Acetone Benzene Chlorobenzene Chloroethane cis-1,2-Dichloroethene	Sample ID Lab ID Sample Type Sample Date µg/L µg/L µg/L µg/L µg/L	8-24-084-GP- 0710091-006 Groundwate 10/11/2007 5.16 1.16 0.59 0.58 0.22	09 A r J J J	8-24-084-Dup 0710091-007 Groundwate 10/11/2007 1.03 (<0.5) (<0.5) (<1) (<0.5)	A A T U U U U U U	Trip Blank 0710091-008 Groundwate 6/26/2007 (<10) (<0.5) (<0.5) (<1) (<0.5)	A BA er U U U U U					NYSDEC Ambient Water Quality Standard Class GA (μg/L) 50 (g) 1 (s) 5 (s) 5 (s) 5 (s) 5 (s)
Parameter List USEPA Method 8260B Acetone Benzene Chlorobenzene Chloroethane cis-1,2-Dichloroethene 1,4- Dichlorobenzene	Sample ID Lab ID Sample Type Sample Date µg/L µg/L µg/L µg/L µg/L	8-24-084-GP- 0710091-006 Groundwate 10/11/2007 5.16 1.16 0.59 0.58 0.22 1.8	09 A r J J J J	8-24-084-Dup 0710091-007 Groundwate 10/11/2007 1.03 (<0.5) (<0.5) (<1) (<0.5) (<0.5) (<0.5)	A T T T T T T T T T T T T T T T T T T T	Trip Blank 0710091-008 Groundwate 6/26/2007 (<10) (<0.5) (<0.5) (<1) (<0.5) (<0.5) (<0.5)	A BA er U U U U U U U					NYSDEC Ambient Water Quality Standard Class GA (µg/L) 50 (g) 1 (s) 5 (s) 5 (s) 5 (s) 5 (s) 3 (s)
Parameter List USEPA Method 8260B Acetone Benzene Chlorobenzene Chloroethane cis-1,2-Dichloroethene 1,4- Dichlorobenzene 1,3- Dichlorobenzene	Sample ID Lab ID Sample Type Sample Date µg/L µg/L µg/L µg/L µg/L µg/L	8-24-084-GP- 0710091-006 Groundwate 10/11/2007 5.16 1.16 0.59 0.58 0.22 1.8 (<0.5)	09 A r J J J U	8-24-084-Dup 0710091-007 Groundwate 10/11/2007 1.03 (<0.5) (<0.5) (<1) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5)	A A T U U U U U U U U U U	Trip Blank 0710091-008 Groundwate 6/26/2007 (<10) (<0.5) (<0.5) (<1) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5)	A BA er U U U U U U U U U					NYSDEC Ambient Water Quality Standard Class GA (µg/L) 50 (g) 1 (s) 5 (s) 5 (s) 5 (s) 5 (s) 3 (s) 3 (s)
Parameter List USEPA Method 8260B Acetone Benzene Chlorobenzene cis-1,2-Dichloroethene 1,4- Dichlorobenzene 1,3- Dichlorobenzene 1,2- Dichlorobenzene	Sample ID Lab ID Sample Type Sample Date µg/L µg/L µg/L µg/L µg/L µg/L µg/L µg/L	8-24-084-GP- 0710091-006 Groundwate 10/11/2007 5.16 0.59 0.58 0.22 1.8 (<0.5) 46.70	09 A r J J J U D	8-24-084-Dup 0710091-007 Groundwate 10/11/2007 1.03 (<0.5) (<0.5) (<1) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5)	A A T U U U U U U U U U U U U	Trip Blank 0710091-008 Groundwate 6/26/2007 (<10) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5)	A BA er U U U U U U U U U U					NYSDEC Ambient Water Quality Standard Class GA (µg/L) 50 (g) 1 (s) 5 (s) 5 (s) 5 (s) 3 (s) 3 (s) 3 (s)
Parameter List USEPA Method 8260B Acetone Benzene Chlorobenzene Chloroethane cis-1,2-Dichloroethene 1,4- Dichlorobenzene 1,3- Dichlorobenzene 1,2- Dichlorobenzene 1,1- Dichlorobenzene 1,1- Dichlorobenzene	Sample ID Lab ID Sample Type Sample Date µg/L µg/L µg/L µg/L µg/L µg/L µg/L µg/L	8-24-084-GP- 0710091-006 Groundwate 10/11/2007 5.16 1.16 0.59 0.58 0.22 1.8 (<0.5) 46.70 1.68	09 A r J J J U D	8-24-084-Dup 0710091-007 Groundwate 10/11/2007 1.03 (<0.5) (<0.5) (<1) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5)	(a) (b) (a) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c	Trip Blank 0710091-008 Groundwate 6/26/2007 (<10) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5)	3A 37 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0					NYSDEC Ambient Water Quality Standard Class GA (µg/L) 50 (g) 1 (s) 5 (s) 5 (s) 5 (s) 3 (s) 3 (s) 3 (s) 5 (s)
Parameter List <u>USEPA Method 8260B</u> Acetone Benzene Chlorobenzene Chloroethane cis-1,2-Dichloroethene 1,3- Dichlorobenzene 1,2- Dichlorobenzene 1,1- Dichlorobenzene 1,2- Dichlorobenzene 1,2- Dichloropenzene	Sample ID Lab ID Sample Type Sample Date µg/L µg/L µg/L µg/L µg/L µg/L µg/L µg/L	8-24-084-GP- 0710091-006 Groundwate 10/11/2007 5.16 1.16 0.59 0.58 0.22 1.8 (<0.5) 46.70 1.68 0.27	09 A r J J J U D J	8-24-084-Dup 0710091-007 Groundwate 10/11/2007 1.03 (<0.5) (<0.5) (<1) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5)	(a) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c	Trip Blank 0710091-008 Groundwate 6/26/2007 (<10) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5)	Image: Same state Image: Same state BA Image: Same state Image: Same state Image: Same state					NYSDEC Ambient Water Quality Standard Class GA (µg/L) 50 (g) 1 (s) 5 (s) 5 (s) 5 (s) 3 (s) 3 (s) 3 (s) 5 (s) 1 (s)
Parameter List USEPA Method 8260B Acetone Benzene Chlorobenzene Chlorobenzene chlorobenzene 1,4- Dichlorobenzene 1,2- Dichlorobenzene 1,2- Dichlorobenzene 1,2- Dichlorobenzene 1,2- Dichloropenzene 1,2- Dichloropenzene Ethylbenzene	Sample ID Lab ID Sample Type Sample Date µg/L µg/L µg/L µg/L µg/L µg/L µg/L µg/L	8-24-084-GP- 0710091-006 Groundwate 10/11/2007 5.16 1.16 0.59 0.58 0.22 1.8 (<0.5) 46.70 1.68 0.27 6.03	09 A r J J J U D J J J J J J J J J J J J J	8-24-084-Dup 0710091-007 Groundwate 10/11/2007 1.03 (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5)	A A J U U U U U U U U U U U U U	Trip Blank 0710091-008 Groundwate 6/26/2007 (<10) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5)	SA er U U U U U U U U U U U U U U U U U U					NYSDEC Ambient Water Quality Standard Class GA (µg/L) 50 (g) 1 (s) 5 (s) 5 (s) 5 (s) 5 (s) 3 (s) 3 (s) 3 (s) 5 (s) 5 (s) 5 (s) 5 (s) 5 (s) 5 (s) 5 (s) 5 (s)
Parameter List USEPA Method 8260B Acetone Benzene Chlorobenzene Chlorobenzene 1,2-Dichlorobenzene 1,3- Dichlorobenzene 1,2- Dichlorobenzene 1,1- Dichlorobenzene 1,1- Dichloropenzene 1,2-Dichloropropane Ethylbenzene Isopropylbenzene	Sample ID Lab ID Sample Type Sample Date µg/L µg/L µg/L µg/L µg/L µg/L µg/L µg/L	8-24-084-GP- 0710091-006 Groundwate 10/11/2007 5.16 1.16 0.59 0.58 0.22 1.8 (<0.5) 46.70 1.68 0.27 6.03 0.84	09 A I J J U U D J J J	8-24-084-Dup 0710091-007 Groundwate 10/11/2007 1.03 (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5)	A A J U U U U U U U U U U U U U	Trip Blank 0710091-008 Groundwate 6/26/2007 (<10) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5)	BA er U U U U U U U U U U U U U U U U U U					NYSDEC Ambient Water Quality Standard Class GA (µg/L) 50 (g) 1 (s) 5 (s) 5 (s) 5 (s) 3 (s) 3 (s) 3 (s) 5 (s)
Parameter List USEPA Method 8260B Acetone Benzene Chlorobenzene Chlorobenzene 1,4- Dichlorobenzene 1,3- Dichlorobenzene 1,2- Dichlorobenzene 1,1- Dichlorobenzene 1,2- Dichloropenzene 1,2- Dichloropropane Ethylbenzene Isopropylbenzene Methyl tert-butyl ether	Sample ID Lab ID Sample Type Sample Date µg/L µg/L µg/L µg/L µg/L µg/L µg/L µg/L	8-24-084-GP- 0710091-006 Groundwate 10/11/2007 5.16 0.59 0.58 0.22 1.8 (<0.5) 46.70 1.68 0.27 6.03 0.84 1.73	09 A I J J U U D J J	8-24-084-Dup 0710091-007 Groundwate 10/11/2007 1.03 (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5)	A J J U U U U U U U U U U U U U	Trip Blank 0710091-008 Groundwate 6/26/2007 (<10) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5)	BA er U					NYSDEC Ambient Water Quality Standard Class GA (µg/L) 50 (g) 1 (s) 5 (s) 5 (s) 3 (s) 3 (s) 3 (s) 5 (s) 1 (s) 5 (s) 1 (s) 5 (s)
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Parameter List USEPA Method 8260B Acetone Benzene Chlorobenzene Chlorobenzene 1,2-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dichloropenzene Ethylbenzene Isopropylbenzene Methyl tert-butyl ether Methyl tert-butyl ether	Sample ID Lab ID Sample Type Sample Date µg/L µg/L µg/L µg/L µg/L µg/L µg/L µg/L	8-24-084-GP- 0710091-006 Groundwate 10/11/2007 5.16 1.16 0.59 0.58 0.22 1.8 (<0.5) 46.70 1.68 0.27 6.03 0.84 1.73 0.15 (<0.5) 9.57	09 A r J J J J U D D J J U U U U U U U U	8-24-084-Dup 0710091-007 Groundwate <u>10/11/2007</u> 1.03 (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.	(a) (b) (c) (c) (c) (c) (c) (c) (c) (c	Trip Blank 0710091-008 Groundwate 6/26/2007 (<10) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (A BA er U U U U U U U U U U U U U					NYSDEC Ambient Water Quality Standard Class GA (µg/L) 50 (g) 1 (s) 5 (s) 5 (s) 3 (s) 3 (s) 3 (s) 3 (s) 3 (s) 5 (s) 1 (s) 5 (s)
Parameter List USEPA Method 8260B Acetone Benzene Chlorobenzene Chlorobenzene 1,4- Dichlorobenzene 1,3- Dichlorobenzene 1,2- Dichlorobenzene 1,2- Dichlorobenzene 1,2- Dichloropenzene 1,2- Dichloropropane Ethylbenzene Isopropylbenzene Methyl tert-butyl ether Methylene chloride Tetrachloroethene Toluene Trichloroethene	Sample ID Lab ID Sample Type Sample Date µg/L µg/L µg/L µg/L µg/L µg/L µg/L µg/L	8-24-084-GP- 0710091-006 Groundwate 10/11/2007 5.16 1.16 0.59 0.58 0.22 1.8 (<0.5) 46.70 1.68 0.27 6.03 0.84 1.73 0.15 (<0.5) 9.57 0.32	09 A r J J J J U D J J U U U J J J	8-24-084-Dup 0710091-007 Groundwate 10/11/2007 1.03 (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5)	A r U U U U U U U U U U U U U	Trip Blank 0710091-008 Groundwate 6/26/2007 (<10) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (A A A A A A A A A A A A A A					NYSDEC Ambient Water Quality Standard Class GA (µg/L) 50 (g) 1 (s) 5 (s) 5 (s) 3 (s) 3 (s) 3 (s) 3 (s) 5 (s)
Parameter List USEPA Method 8260B Acetone Benzene Chlorobenzene Chlorobenzene 1,3- Dichlorobenzene 1,3- Dichlorobenzene 1,2- Dichlorobenzene 1,2- Dichlorobenzene 1,2- Dichloropenzene 1,2- Dichloropropane Ethylbenzene Isopropylbenzene Methyl tert-butyl ether Methyl tert-butyl ether Methyl ner-butyl ether Methylene chloride Tetrachloroethene Toluene Trichloroethene Xylenes (total)	Sample ID Lab ID Sample Type Sample Date µg/L	8-24-084-GP- 0710091-006 Groundwate 10/11/2007 5.16 0.59 0.58 0.22 1.8 (<0.5) 46.70 1.68 0.27 6.03 0.84 1.73 0.15 (<0.5) 9.57 0.32 27.3	09 A r J J U U D U U J J U U J J J J J J J J J	8-24-084-Dup 0710091-007 Groundwate 10/11/2007 (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<1) (<1) (<2) (<2) (<2) (<0.5) (<1) (<1) (<2) (<1) (<2) (<1) (<2) (<1) (<2) (<1) (<1) (<2) (<1) (<1) (<1) (<2) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1	A J U U U U U U U U U U U U U	Trip Blank 0710091-008 Groundwate 6/26/2007 (<10) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<1) 1.16 (<0.5) (<0.5) (<0.5) (<1) 1.16 (<0.5) (<0.5) (<1) 1.16	8A er U U U U U U U U U U U U U					NYSDEC Ambient Water Quality Standard Class GA (µg/L) 50 (g) 1 (s) 5 (s) 5 (s) 3 (s) 3 (s) 3 (s) 3 (s) 5 (s) 1 (s) 5 (s)

TABLE 1 SUMMARY OF VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER OCTOBER 2007

(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 U = Micrograms per Liter

The analyte was analyzed for, but was not detected above the sample reporting limit.
 = Analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

= Dilution D

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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.

	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	
	Lab ID	0810111-00	1A	0810111-002	A	0810111-003	3A	0810111-004	A	0810111-006	δA	NYSDEC Ambient Water Quality
D (T)	Sample Type	Groundwat	er	Groundwate	Groundwater		Groundwater		r	Groundwater		Standard
USEPA Method 8260B	Sample Date	10/14/200	8	10/14/2008		10/14/2008	3	10/14/2008		10/14/2008	;	(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)
	Sample ID Lab ID	8-24-084-GP 0810111-00	-09 5A	8-24-084-Dup 0810111-007	o ^(a)	Trip Blank 0810111-008	BA					NYSDEC Ambient Water Quality
Parameter List	Sample Type	Groundwat	er	Groundwate	r	Groundwate	er					Standard Class GA
USEPA Method 8260B	Sample Date	10/14/200	8	10/14/2008		10/14/2008	3					(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 NOTE: USEPA = United States En NYSDEC = New State Depa μg/L = Micrograms per 	-MW-01 avironmental Protect rtment of Environm Liter	ction Agency nental Conservat	ion									

TABLE 2 SUMMARY OF VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER OCTOBER 2008

= The analyte was analyzed for, but was not detected above the sample reporting limit.

= 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.

Bold values indicate that had a 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.

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	Sample ID	8-24-084-MW	-01	8-28-084-MW-	-08 <u>S</u>	8-28-084-MW-0	08D	8-24-084-MW-	-09	8-24-084-MW-	10	
	Lah ID	0810111.00		0810111 002	D A	0810111 002	^	0810111 004	٨	0810111 006		
	Lab ID	0810111-00	A	0810111-002	A	0810111-005	A	0810111-004	A	0810111-000.	A	NYSDEC Ambient
Parameter List	Sample Type	Groundwate	er	Groundwate	er	Groundwater	r	Groundwater	r	Groundwater	r	Water Quality
USEPA Method 8260B	Sample Date	4/22/2009		4/22/2009		4/22/2009		4/22/2009		4/22/2009		(ug/L)
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)
I,I- 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	TT	(<0.5)	U	(<0.5)	U	(<0.5)	U	(<0.5)	U	5 (s)
1,2- Dichloropropane	μg/L μg/I	(<0.5)	U	(<0.5)	U	(<0.5)	U	1.05	J	(<0.5)	U	5 (s)
Isopropylbenzene	μg/L μg/I	0.3	Ť	(<0.3)	U	(<0.5)	U	(<0.5)	п	(<0.5)	U	5 (s)
Methyl tert-butyl ether	μg/L μg/l	(<1)	J	(<0.3)	U	(<0.3)	U	0.52	I	(<0.3)	U	10 (g)
4- Methyl-2-pentanone	μg/L μg/l	(<1)	U	(<1)	U	(<1)	U	(<5)	J	(<1)	U	10 (g)
Methylene chloride	μg/L μg/L	(<3)	U	(<2)	U	(<2)	U	(<)	U	(<3)	U	5 (s)
Tetrachloroethene	μg/L μg/L	2.51	0	(<2)	U	(<0.5)	U	(<0.5)	U	(<0.5)	U	5 (3)
Toluene	ug/L	0.12	J	(<0.5)	U	(<0.5)	U	(<0.5)	U	(<0.5)	U	5 (s)
Trichloroethene	ug/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)
										· · · ·	•	
	Sample ID	8-24-084-GP-09		8-28-084-Dup01 ^(a)		Trip Blank						
		8-24-084-01-09		0004141-0074		Thp Diank						NYSDEC Ambient
	Lab ID	0810111-005A		0904141-007	0904141-007A		0810111-008A					Water Quality
	Sample Type	Groundwate	Groundwater		er	Groundwater	r				Standard	
Parameter List		1/22/2000		1/22/2000		1/22/2000						Class GA
USEPA Method 8260B	Sample Date	4/22/2009	T	4/22/2009	т	4/22/2009	τī					(μg/L)
Renzene	μg/L	1.92	J	1.45	J	(<10)	U					50 (g)
2 Butanone	μg/L μg/I	3.16	T	(<0.3)	U	(<10)	U					1 (8)
Carbon disulfide	μg/L μg/l	(<0.5)	J	(<10)	U	(<10)	U					
Chloroethane	μg/L μg/L	1.04	I	(<0.5)	UI	(<1)	U					5 (s)
Chloroform	ug/L	(<0.5)	U	(<0.5)	U	(<0.5)	U					7 (s)
1.2- Dichlorobenzene	ug/L	73.2	D	1.83	-	(<0.5)	Ū					3 (s)
1,3- Dichlorobenzene	μg/L	0.12	J	0.5		(<0.5)	Ū					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 concrete at a 52-50-50 NOTE: USEPA = United States Er NYSDEC = New State Depa μg/L = Micrograms per U = The analyte was J = Analyte was pos 	wironmental Protect rtment of Environn Liter analyzed for, but w itively identified; th	ction Agency nental Conservati /as not detected a ne associated num	on bove herical	the sample reporti	ing lin oxima	iit. te concentration o	of the	analyte in the sam	ıple.			
Analytical data results provid	ded by Life Science	Laboratories. D	ata Va	alidation complete	ed by l	Environmental Da	ta Va	lidation, Inc.				
Only analytes that had at lease Bold values indicate that the	st one detection fro	m the data set are ed above the NY	show	n. AWOS. (g) Valu	ie is li	sted as a guidance	valu	e (s) Value is list	ed as	a standard value		

TABLE 4 SUMMARY OF VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER DECEMBER 2010

	[]											
	Sample ID	8-24-084-MW	-01	8-28-084-MW-	085	8-28-084-MW-(08D	8-24-084-MW-	-10	8-24-084-MW-	11	
	Lab ID	K1012255-00	3A	K1012255-004	1A	K1012255-003	5A	K1012255-002	2A	K1012255-006	A	NVCDEC Ambient
	Sample Type	Groundwate	r	Groundwater	r	Groundwate	r	Groundwater	r	Groundwater		Water Quality
Parameter List USEPA Method 8260B	Sample Date	12/22/2010		12/22/2010		12/22/2010		12/22/2010		12/22/2010		Standard Class GA
1 1 Dichloroothono	ug/I	0.25	I	(<0.5)	П	(<0.5)	II	(<0.5)	П	(<0.5)	П	5 (s)
1,2 Dishlarsharran	μg/L	0.25	,	(<0.5)	U	(<0.5)	U	(<0.5)	U	(<0.5)	U	3 (s)
1,2-Dichlorobenzene	μg/L 	0.8	T	(<0.5)	U	(<0.5)	U	(<0.5)	U	(<0.5)	U	3 (s)
1,3-Dichlorobenzene	μg/L ug/L	1.92	J	(<0.5)	U	(<0.5)	U	(<0.5)	U	(<0.5)	U	3 (s)
2 Butanono	1.8 119/I	(<10)	П	(<10)	II	(<10)	II	(<10)	II	(<10)	U	- (0)
4 Mathul 2 pontonono	μg/L	(<10)	U	(<10)	U	(<10)	U	(<10)	U	(<10)	U	
4-Methyl-2-pentanone	μg/L μg/I	(<)	U	(<)	U	(<)	U	(<10)	U	(<)	U	50 (g)
Acetone	μg/L 	(<10)		(<10)	0	(<10)	U	(<10)	0	(<10)	U	50 (g)
Benzene	µg/L	(<0.5)	U	(<0.5)	U	(<0.5)	0	(<0.5)	0	(<0.5)	U	1 (8)
Bromodichloromethane	μg/L	(<0.5)	U	(<0.5)	0	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	ug/L	(<2)	U	(<2)	U	(<2)	U	(<2)	U	(<2)	U	5 (s)
Tetrachloroethene	µg/L	1.91	-	(<0.5)	Ū	(<0.5)	Ū	(<0.5)	Ū	(<0.5)	U	5 (s)
Teluene	μg/L μg/Ι	(<0.5)	П	(<0.5)	U	(<0.5)	U	(<0.5)	U	0.13	I	5 (s)
Tricklausethere	μg/L	0.56	C	(<0.5)	U	(<0.5)	U	(<0.5)	U	(<0.5)	J	5 (s)
Vulones (total)	μg/L 	0.30	TT	(<0.3)	U	(<0.3)	U	(<0.3)	U	(<0.3)	U	5 (s)
Aylenes (total)	µg/L	((1))	U	(<)	U	(<1)	U	(<1)	U	(<1)	U	5 (8)
												1
	Sample ID	8-24-084-MW	-12	8-24-084-GP-	09	8-28-084-MW-D	UP ^(a)	Trip Blank				
	Sample ID	8-24-084-MW	-12	8-24-084-GP-0	09	8-28-084-MW-D	UP ^(a)	Trip Blank				
	Sample ID Lab ID	8-24-084-MW K1012255-00	-12 7A	8-24-084-GP- K1012255-001	09 I A	8-28-084-MW-D K1012255-008	UP ^(a) 8A	Trip Blank K1012255-009)A			NYSDEC Ambient
Documentar List	Sample ID Lab ID Sample Type	8-24-084-MW K1012255-00 Groundwate	-12 7A r	8-24-084-GP- K1012255-001 Groundwater	09 I A r	8-28-084-MW-D K1012255-009 QA/QC Duplic	UP ^(a) 8A ate	Trip Blank K1012255-009 QA/QC Trip Bl	0A ank			NYSDEC Ambient Water Quality
Parameter List USEPA Method \$260B	Sample ID Lab ID Sample Type Sample Date	8-24-084-MW K1012255-00 Groundwate	-12 7A r	8-24-084-GP- K1012255-001 Groundwater 12/22/2010	09 I A r	8-28-084-MW-D K1012255-008 QA/QC Duplic	UP ^(a) 8A cate	Trip Blank K1012255-009 QA/QC Trip Bl)A ank			NYSDEC Ambient Water Quality Standard Class GA
Parameter List USEPA Method 8260B	Sample ID Lab ID Sample Type Sample Date	8-24-084-MW K1012255-00 Groundwate 12/22/2010 (<0.5)	-12 7A r	8-24-084-GP- K1012255-001 Groundwater 12/22/2010 2 46	09 I A r	8-28-084-MW-D K1012255-008 QA/QC Duplic 12/22/2010 0 25	UP ^(a) 8A cate	Trip Blank K1012255-009 QA/QC Trip Bl 12/22/2010 (<0.5))A ank			NYSDEC Ambient Water Quality Standard Class GA (µg/L) 5 (s)
Parameter List USEPA Method 8260B 1,1-Dichloroethane	Sample ID Lab ID Sample Type Sample Date µg/L	8-24-084-MW K1012255-00 Groundwate 12/22/2010 (<0.5)	-12 7A r	8-24-084-GP-4 K1012255-001 Groundwater 12/22/2010 2.46 80 2	09 IA r	8-28-084-MW-D K1012255-008 QA/QC Duplic 12/22/2010 0.25 0.71	PUP ^(a) 8A cate	Trip Blank K1012255-009 QA/QC Trip Bl 12/22/2010 (<0.5)	OA ank			NYSDEC Ambient Water Quality Standard Class GA (µg/L) 5 (s) 3 (c)
Parameter List USEPA Method 8260B 1,1-Dichlorobenzene 1,2-Dichlorobenzene	Sample ID Lab ID Sample Type Sample Date µg/L µg/L	8-24-084-MW K1012255-00 Groundwate 12/22/2010 (<0.5) (<0.5)	-12 7A r U U	8-24-084-GP-4 K1012255-001 Groundwater 12/22/2010 2.46 80.2 0.17	09 IA r	8-28-084-MW-D K1012255-008 QA/QC Duplic 12/22/2010 0.25 0.71 0.39	PUP ^(a) 8A cate	Trip Blank K1012255-009 QA/QC Trip Bl 12/22/2010 (<0.5) (<0.5)	DA ank U U			NYSDEC Ambient Water Quality Standard Class GA (µg/L) 5 (s) 3 (s) 3 (c)
Parameter List USEPA Method 8260B 1,1-Dichloroethane 1,2-Dichlorobenzene 1,3-Dichlorobenzene	Sample ID Lab ID Sample Type Sample Date µg/L µg/L µg/L µg/L	8-24-084-MW K1012255-00 Groundwate 12/22/2010 (<0.5) (<0.5) (<0.5) (<0.5)	-12 7A r U U U	8-24-084-GP-6 K1012255-001 Groundwater 12/22/2010 2.46 80.2 0.17 3.53	09 IA r J	8-28-084-MW-D K1012255-008 QA/QC Duplic 12/22/2010 0.25 0.71 0.39	PUP ^(a) 8A cate	Trip Blank K1012255-009 QA/QC Trip Bl 12/22/2010 (<0.5) (<0.5) (<0.5) (<0.5)	DA ank U U U			NYSDEC Ambient Water Quality Standard Class GA (µg/L) 5 (s) 3 (s) 3 (s) 3 (c)
Parameter List USEPA Method 8260B 1,1-Dichloroethane 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene	Sample ID Lab ID Sample Type Sample Date µg/L µg/L µg/L µg/L	8-24-084-MW K1012255-00' Groundwate 12/22/2010 (<0.5) (<0.5) (<0.5) (<0.5) (<10)	-12 7A r U U U U U	8-24-084-GP- K1012255-001 Groundwater 12/22/2010 2.46 80.2 0.17 3.53 1.32	09 A r J	8-28-084-MW-D K1012255-003 QA/QC Duplic 12/22/2010 0.25 0.71 0.39 1.87 (<10)	PUP ^(a) 8A cate J J	Trip Blank K1012255-009 QA/QC Trip Bl 12/22/2010 (<0.5) (<0.5) (<0.5) (<0.5) (<10)	A ank U U U U			NYSDEC Ambient Water Quality Standard Class GA (µg/L) 5 (s) 3 (s) 3 (s) 3 (s) 3 (s)
Parameter List USEPA Method 8260B 1,1-Dichloroethane 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene 2-Butanone	Sample ID Lab ID Sample Type Sample Date µg/L µg/L µg/L µg/L µg/L 2	8-24-084-MW K1012255-00 Groundwate 12/22/2010 (<0.5) (<0.5) (<0.5) (<0.5) (<10) ((10)	-12 7A r U U U U U U	8-24-084-GP-0 K1012255-001 Groundwater 12/22/2010 2.46 80.2 0.17 3.53 1.33	09 A r J J	8-28-084-MW-D K1012255-003 QA/QC Duplic 12/22/2010 0.25 0.71 0.39 1.87 (<10) (<5)	PUP ^(a) 8A cate J J J U	Trip Blank K1012255-009 QA/QC Trip Bl 12/22/2010 (<0.5) (<0.5) (<0.5) (<0.5) (<10) (<10)	DA ank U U U U U U			NYSDEC Ambient Water Quality Standard Class GA (µg/L) 5 (s) 3 (s) 3 (s) 3 (s)
Parameter List USEPA Method 8260B 1,1-Dichloroethane 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene 2-Butanone 4-Methyl-2-pentanone	Sample ID Lab ID Sample Type Sample Date µg/L µg/L µg/L µg/L µg/L µg/L µg/L	8-24-084-MW K1012255-00 Groundwate 12/22/2010 (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<10) (<5)	-12 7A r U U U U U U U U U	8-24-084-GP-0 K1012255-001 Groundwater 12/22/2010 2.46 80.2 0.17 3.53 1.33 1.05 0.71	09 A T J J J J	8-28-084-MW-D K1012255-000 QA/QC Duplic 12/22/2010 0.25 0.71 0.39 1.87 (<10) (<5)	PUP ^(a) 8A ate J J U U U	Trip Blank K1012255-009 QA/QC Trip Bl 12/22/2010 (<0.5) (<0.5) (<0.5) (<0.5) (<0.5) (<10) (<10) (<10)	DA ank U U U U U U U			NYSDEC Ambient Water Quality Standard Class GA (µg/L) 5 (s) 3 (s) 3 (s) 3 (s)
Parameter List USEPA Method 8260B 1,1-Dichloroethane 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene 2-Butanone 4-Methyl-2-pentanone Acetone	Sample ID Lab ID Sample Type Sample Date µg/L µg/L µg/L µg/L µg/L µg/L µg/L µg/L	8-24-084-MW K1012255-00 Groundwate 12/22/2010 (<0.5) (<0.5) (<0.5) (<0.5) (<10) (<5) (<10) (<0.5)	-12 7A r U U U U U U U U U U	8-24-084-GP-0 K1012255-001 Groundwater 12/22/2010 2.46 80.2 0.17 3.53 1.33 1.05 9.71	09 IA r J J J J J	8-28-084-MW-D K1012255-000 QA/QC Duplic 12/22/2010 0.25 0.71 0.39 1.87 (<10) (<5) (<10)	BA sate J J U U U U U	Trip Blank K1012255-009 QA/QC Trip Bl 12/22/2010 (<0.5) (<0.5) (<0.5) (<0.5) (<10) (<5) (<10) (<5)	A ank U U U U U U U U U U			NYSDEC Ambient Water Quality Standard Class GA (µg/L) 5 (s) 3 (s) 3 (s) 50 (g)
Parameter List USEPA Method 8260B 1,1-Dichloroethane 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene 2-Butanone 4-Methyl-2-pentanone Acetone Benzene	Sample ID Lab ID Sample Type Sample Date µg/L µg/L µg/L µg/L µg/L µg/L µg/L µg/L	8-24-084-MW K1012255-00 Groundwate 12/22/2010 (<0.5) (<0.5) (<0.5) (<0.5) (<10) (<10) (<10) (<0.5)	-12 7A r U U U U U U U U U U U U U U U	8-24-084-GP-4 K1012255-001 Groundwater 12/22/2010 2.46 80.2 0.17 3.53 1.33 1.05 9.71 1.44	D9 r J J J J J J J J	8-28-084-MW-D K1012255-000 QA/QC Duplic 12/22/2010 0.25 0.71 0.39 1.87 (<10) (<5) (<10) (<5) (<10) (<0.5)	UP ^(a) 8A 3A 3 3 3 4 3 3 4 3 4 3 3 3 3 3 3 3 3 3	Trip Blank K1012255-009 QA/QC Trip Bl 12/22/2010 (<0.5)	A ank U U U U U U U U U U U U			NYSDEC Ambient Water Quality Standard Class GA (µg/L) 5 (s) 3 (s) 3 (s) 3 (s) 50 (g) 1 (s)
Parameter List <u>USEPA Method 8260B</u> 1,1-Dichlorobenzene 1,2-Dichlorobenzene 1,3-Dichlorobenzene 2-Butanone 4-Methyl-2-pentanone Acetone Benzene Bromodichloromethane	Sample ID Lab ID Sample Type Sample Date µg/L µg/L µg/L µg/L µg/L µg/L µg/L µg/L	8-24-084-MW K1012255-00 Groundwate 12/22/2010 (<0.5) (<0.5) (<0.5) (<0.5) (<10) (<5) (<10) (<0.5) (<0.5) (<0.5) (<0.5)	-12 7A r U U U U U U U U U U U U U U	8-24-084-GP-4 K1012255-001 Groundwater 12/22/2010 2.46 80.2 0.17 3.53 1.33 1.05 9.71 1.44 (<0.5)	D9 r J J J J J J U U	8-28-084-MW-D K1012255-003 QA/QC Duplic 12/22/2010 0.25 0.71 0.39 1.87 (<10) (<5) (<10) (<5) (<10) (<0.5) (<0.5)	UP ^(a) 8A rate J U U U U U U U	Trip Blank K1012255-009 QA/QC Trip Bl 12/22/2010 (<0.5)	PA ank U U U U U U U U U U U U U U U			NYSDEC Ambient Water Quality Standard Class GA (µg/L) 5 (s) 3 (s) 3 (s) 3 (s) 50 (g) 1 (s) 50 (g)
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Parameter List USEPA Method 8260B 1,1-Dichloroethane 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene 2-Butanone 4-Methyl-2-pentanone Acetone Benzene Bromodichloromethane Chlorobenzene Chloroethane Chloroethane Chloroethane Chloroothane Chloroothane Dibromochloromethane Dibromochloromethane Dichlorodifluoromethane Ethylbenzene Isopropylbenzene Methyl tert-butyl ether Methylene chloride Tetrachloroethene	Sample ID Lab ID Sample Type Sample Date µg/L µg/L >µg/L	8-24-084-MW K1012255-00 Groundwate 12/22/2010 (<0.5)	-12 7A r U U U U U U U U U U U U U U U U U U	8-24-084-GP-0 K1012255-001 Groundwater 12/22/2010 2.46 80.2 0.17 3.53 1.33 1.05 9.71 1.44 (<0.5) 0.61 0.38 0.12 (<0.5) (<1) 6.7 1.4 1.51 0.39 0.11 4.96	09	8-28-084-MW-D K1012255-003 QA/QC Duplic 12/22/2010 0.25 0.71 0.39 1.87 (<10) (<5) (<10) (<0.5) (<0.5) (<0.5) (<0.5) (<1) (<0.5) (<1) (<0.5) (<1) (<0.5) (<1) (<0.5) (<1) (<0.5) (<1) (<2) (<1) (<0.5) (<1) (<0.5) (<1) (<2) (<1) (<0.5) (<1) (<0.5) (<1) (<0.5) (<1) (<0.5) (<1) (<0.5) (<1) (<0.5) (<1) (<0.5) (<1) (<0.5) (<1) (<0.5) (<1) (<0.5) (<1) (<0.5) (<1) (<0.5) (<1) (<0.5) (<1) (<0.5) (<1) (<0.5) (<1) (<0.5) (<1) (<0.5) (<1) (<0.5) (<1) (<0.5) (<1) (<0.5) (<1) (<0.5) (<1) (<0.5) (<1) (<0.5) (<1) (<0.5) (<1) (<0.5) (<1) (<0.5) (<1) (<0.5) (<1) (<0.5) (<1) (<0.5) (<1) (<0.5) (<1) (<0.5) (<1) (<0.5) (<1) (<0.5) (<1) (<0.5) (<1) (<0.5) (<1) (<0.5) (<1) (<0.5) (<1) (<0.5) (<1) (<0.5) (<1) (<0.5) (<1) (<0.5) (<1) (<0.5) (<2) (<1) (<2) (<1) (<2) (<1) (<2) (<1) (<2) (<1) (<2) (<1) (<2) (<1) (<2) (<1) (<2) (<1) (<2) (<1) (<2) (<1) (<2) (<1) (<2) (<1) (<2) (<1) (<2) (<1) (<2) (<1) (<2) (<1) (<2) (<1) (<2) (<1) (<2) (<1) (<2) (<1) (<2) (<1) (<2) (<1) (<2) (<1) (<2) (<1) (<2) (<1) (<2) (<1) (<2) (<1) (<2) (<1) (<2) (<1) (<1) (<2) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1)	UP ^(a) 8A ate J J J U U U U U U U U U U U U U U U U	Trip Blank K1012255-009 QA/QC Trip Bl 12/22/2010 (<0.5)	U unk U J J T			NYSDEC Ambient Water Quality Standard Class GA (µg/L) 5 (s) 3 (s) 3 (s) 50 (g) 1 (s) 50 (g) 5 (s) 5 (s) 7 (s) 5 (s)
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Parameter List USEPA Method 8260B 1,1-Dichlorobenzene 1,2-Dichlorobenzene 1,3-Dichlorobenzene 2-Butanone 4-Methyl-2-pentanone Acetone Benzene Bromodichloromethane Chlorobenzene Chlorobenzene Chloroethane Chloroform cis-1,2-Dichloroethene Dibromochloromethane Dichlorodifluoromethane Ethylbenzene Isopropylbenzene Methyl tert-butyl ether Methyl tert-butyl ether Methylene chloride Tetrachloroethene Toluene Trichloroethene	Sample ID Lab ID Sample Type Sample Date µg/L µg/L >µg/L	8-24-084-MW K1012255-00' Groundwate 12/22/2010 (<0.5)	-12 7A r U U U U U U U U U U U U U U U U U U	8-24-084-GP- K1012255-001 Groundwater 12/22/2010 2.46 80.2 0.17 3.53 1.33 1.05 9.71 1.44 (<0.5) 0.75 0.61 0.38 0.12 (<0.5) (<1) 6.7 1.4 1.51 0.39 0.11 4.96 0.81 24	D9	8-28-084-MW-D K1012255-003 QA/QC Duplic 12/22/2010 0.25 0.71 0.39 1.87 (<10) (<5) (<10) (<0.5) (<0.5) (<0.5) (<0.5) (<1) (<0.5) (<1) (<0.5) (<1) (<2) 1.87 (<0.5) (<1) (<2) 1.87 (<0.5) (<1) (<2) 1.87 (<0.5) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1) (<1	BA sate J J J U U U U U U U U U U U U U	Trip Blank K1012255-009 QA/QC Trip Bl 12/22/2010 (<0.5)	DA ank U U U U U U U U U U U U U U U U U U U			NYSDEC Ambient Water Quality Standard Class GA (µg/L) 5 (s) 3 (s) 3 (s) 3 (s) 50 (g) 1 (s) 50 (g) 5 (s) 5 (s)

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

NOTE: USEPA = United States Environmental Protection Agency

= 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.

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.

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Appendix A

Institutional and Engineering Controls Certification Forms

Appendix B

Daily Field Reports

DAILY OBSERVATION	N REPORT		D	ay: <u>TUE</u>	<u>SDAY</u>	Date:	<u>12/21/10</u>
	NYSDEC		Temperature: (F)	20	(am)	25	(pm)
			Wind Direction:	NW	(am)	NW	(pm)
Project Name			Weather:	(am) ove	ercast, ligi	ht snow	
NYSDEC Site # 8-28-0	84			(pm) ove	ercast, so	me sun	
Contract # D-004441.05			Arrive at site	730	(am)		
East Rochester, New York	ζ.		Leave site:	330	(pm)		
HEALTH & SAFETY:							
Are there any changes to th (If yes, list the deviation und	e Health & Safety ler items for conce	Plan? ern)	Yes ()	No (x)			
Are monitoring results at ac	ceptable levels?	Soil	Yes (x)	n/a ()	* No	()	
		Waters	Yes ()	n/a(x)	* No * No	()	
OTHER ITEMS:		Alf	res () ●	lf No, provi	ide comme	() ents	
Site Sketch Attached: Photos Taken:	Yes() Yes()	No(x) No(x)					

DESCRIPTION OF DAILY WORK PERFORMED:

EA Onsite at 730am, Neil and Brian with Nothnagle Drilling onsite 800am. Installation of 2 microwells/piezometers onsite to further determine onsite groundwater flow. MW-11 installed to northeast of Autohaus structure. Continuous soil samples collected with 4ft macrocore and dedicated acetate sleeves to 30 ft. Boring collapsed to 25 ft when trying to insert casing for well. 3 ¼ in. hollow stem augers were used to go back to 30ft and set the well to depth. Same method was employed while installing MW-12 on south side of building.

No odors/staining/PID readings were observed in any onsite soils. 3 drums of spoils were staged along ballards near MWs 08S/08D for future offsite disposal.

After completion, each new well had a 5in flushmount curb box installed for access.

EA/Nothnagle offsite @ 330pm.

PROJECT TOTALS:

SAMPLING (Soil/Water/Air) NA Contractor Sample ID:

DEC Sample ID:

Description:

DAILY OBSERVATION REPORT

Day: <u>TUESDAY</u>

Date: 12/21/10

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

(Name of contractor) personnel: David Crandall, (Name of Subcontractor) personnel: Neil and Brian with Nothnagle Drilling (Name of contractor) equipment: CME Drill Rig (*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: David Crandall cc:

DAILY OBSERVATION REPORT



Daily Observation Report

DAILY OBSERVATIO	N REPORT		Day:	WEDNE	<u>SDAY</u>	Date:	<u>12/22/10</u>
	NYSDEC		Temperature: (F)	20	(am)	25	(pm)
			Wind Direction:	NW	(am)	NW	(pm)
Project Name			Weather:	(am) ove	ercast, ligh	nt snow	
NYSDEC Site # 8-28-0)84			(pm) ove	ercast, ligł	nt snow	
Contract # D-004441.05			Arrive at site	730	(am)		
East Rochester, New Yorl	ĸ		Leave site:	230	(pm)		
HEALTH & SAFETY:							
Are there any changes to the (If yes, list the deviation und	ne Health & Safety der items for conce	Plan? ern)	Yes ()	No (x)			
Are monitoring results at ac	cceptable levels?	Soil Waters Air	Yes (x) Yes () Yes ()	n/a() n/a(x) n/a()	* No * No * No	() ()	
OTHER ITEMS:		7.01	•	If No, prov	ide comme	ents	
Site Sketch Attached: Photos Taken:	Yes() Yes()	No(x) No(x)					

DESCRIPTION OF DAILY WORK PERFORMED:

EA Onsite at 730am, gauged entire well network. MW-09 in Well's Landing is damaged (Cover appears to have been hit by machinery, well casing broken @ ~5ft and jammed- unable to gauge/sample)

Newly installed MW-11 and MW-12 were purged of 5 well volumes and then allowed to site until afternoon to collect samples.

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 230pm

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: WEDNESDAY Date: 12/22/10 CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE: Date: 12/22/10

(Name of contractor) personnel: David Crandall,

(Name of Subcontractor) personnel:

(Name of contractor) equipment: Peristaltic Pump (Geopump II), water level indicator, Horiba U-52, miniRAE PID for headspace readings.

(*Indicates active equipment)

Other Subcontractors:

VISITORS TO SITE:

1. NA

PROJECT SCHEDULE ISSUES:

NA

PROJECT BUDGET ISSUES:

None.

ITEMS OF CONCERN:

MW-09 damaged, likely beyond repair and unable to gauge/collect sample.

COMMENTS:

None

ATTACHMENT(S) TO THIS REPORT:

SITE REPRESENTATIVE:

Name: *David Crandall* cc:


Appendix C

Soil Boring Logs

		R	. .		D C		Job. No.	Client:	New York St	ate Departm	ent of	Loca	ition:
		EA EA	Engi	neering	g, P.C.				Environmen	tal Conserva	tion	Autohaus, Eas	t Rochester, NY
		🗕 👌 EA	Scien	ice and	Techn	ology	Drilling Me	ethod:	Hollow Sterr	n Auger 3.25I	D	Soil Borin	g Number:
·									Macrocore			MV	V-11
		LOG OF 9	SOIL B	ORING			Sampling N	Aethod:	Macrocore			Sheet	1 of 2
Coordi	nates:											Sileet	1012
Surface	e Elevatio	n:										Dri	lling
Casing	Below St	urface:					Water Lev.	6.5ft bgs				Start	Finish
Referen	nce Eleva	tion:					Time					12/21/10	12/21/10
Kelerer	ice Descr	ipuon:										830	1145
DI.	Feet			PID	Depth		Surface Co	nditions	asphalt				
Counts	Drvn/Ft.	Wel	11	(ppm) in USCS			Weather:	indition of the second s	overcast, light s	now			
(140-lb)	Recvrd	Diagr	am	HNu	Feet	Log	Temperatu	re:	25				
					0		0-0.5ft Asphal	t					
				0.0			0.5-1ft Dark b	rown/gray gra	avelly silty sand (fin	e, medium dens	e, dry)		
				0.0	1		1-4ft Brown si	lty sand (fine,	medium dense, dry)			
	4/3											-	
	, -				2							-	
				0.0								1" PVC well, 10' of sc from 18 20' heater	reen, 20' of riser, sand
					3							surface with concre	te pad/flush mount
					4		4-5ft Brown/r	eddish brown	clavey sand (fine. d	ense, dry to moi	st)	-	* `
					-		r on browny r	cuulon oronn	eldycy sund (inic) a	ense, ary to mo	50)		
-				0.0	5		5-14ft Brown s	silty sandy clay	y (medium plasticity	y, stiff, moist to v	wet @ 6.5ft)		
	4/2												
	4/3				6								
				0.0									
					7								
					0								
					8								
				0.0	9								
-					-								
	4/4				10								
				0.0									
				0.0	11								
					12								
				0.0	13								
-					15								
-	4/4				14		14-21ft Reddis	sh brown/gray	gravelly clayey silt	t (very dense, we	et)		
				0.0									
				0.0	15								
					16								
				0.0	17								
	3/3				17								
┣───					18		1						
	1			0.0			1						
				0.0	19								
	3/3			0.0									
	575			0.0	20								
Logged	by:			Davi	d Cranda	all	_	Date:	12/2	22/10	_		
Drilling	Contrac	tor [.]		Nothr	agle Drill	ling		Driller	N	eil			
218	, contrac			nouna	ugie Dill	ung	-	Dimer.	11	C11	-		

ſ						Job. No.	Client:	New York Sta	ate Departm	ent of	Loca	ation:
_		💦 EA Engi	neering	g, P.C.				Environment	tal Conserva	tion	Autohaus, Eas	t Rochester, NY
_		EA Scier	nce and	Techr	nology	Drilling Me	thod:	Hollow Stem	Auger 3.25I	D	Soil Borin	9 Number:
					8)			Macrocore			MV	V-11
		LOG OF SOIL E	ORING	ŕ		Sampling N	lethod:	Macrocore			Cheve	2 - (2
Coordi	nates:										511661 2 01 2	
Surface	e Elevatio	n:								Drilling		
Casing	Below S	urface:				Water Lev.	6.5ft bgs				Start	Finish
Referen	nce Eleva	tion:				Time					12/21/10	12/21/10
Kelerei	ice Desci	ipuon:									830	1145
Blow	Feet		PID	Depth		Surface Cor	nditions:	asphalt				
Counts	Drvn/Ft.	Well	(ppm)	in	USCS	Weather:		Overcast/light s	snow			
(140-lb)	Recvrd	Diagram	HNu	Feet	Log	Temperatur	re:	25				
	3/3			21		21-22ft Gravell	ly clayey silty v	v/ cobbles (Mediur	n dense, moist)		1	
	070		0.0								-	
				22		22-30ft Brown	gray silty sand	(very fine, mediun	n dense to dense	e, wet)	-	
	-			23							-	
			0.0								1" PVC well, 10' of sc	reen, 20' of riser, sand
	4/4		0.0	24							from 18-30', bentonite	from 15-18', sand 15 to
	_										surface with concre	ete pad/flush mount
	-			25							-	
			0.0	26							-	
				20							-	
	2/4			27								
			0.0									
			0.0	28								
	2/4			20								
	-		0.0	29								
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Logged	by:		Davi	d Crand	all	-	Date:	12/2	2/10	_		
Drilling	g Contrac	tor:	Nothn	agle Dril	lling		Driller:	N	eil			
C						-				-		

		H					Job. No.	Client:	New York Sta	ate Departm	ent of	Loca	ation:
- 1	Y .	EA EA	Engir	neering	g, P.C.				Environment	al Conservat	tion	Autohaus, Eas	t Rochester, NY
-	<u>~</u> /	EA EA	Scien	ice and	Techn	ology	Drilling Me	thod:	Hollow Stem	Auger 3.25I	D	Soil Borin	g Number:
									Macrocore			MV	V-12
C 1		LOG OF S	SOIL B	ORING			Sampling N	lethod:	Macrocore			Sheet 1 of 2	
Coordi	inates:											Drilling	
Casino	Below St	irface					Water Lev	5 ft bas				Start	Finish
Refere	nce Eleva	tion:					Time	5 11 0g5				Start	1 111311
Refere	nce Descr	iption:					-					12/21/10	12/21/10
												1230	1500
Blow	Feet	Wel	1	PID	Depth		Surface Cor	nditions:	asphalt				
Counts (140-lb)	Drvn/Ft.	Diagra	am	(ppm)	in Faat	USCS	Weather:		overcast, light sr	low			
(140 10)	Recvrd			HINU	reet	Log	1 emperatur	re:	25				
	-				0		0-0.5ft Asphalt 0 5-1 5ft Dark I	hrown/gray gra	velly silty sand (fi	ne, medium der	ise. drv)		
	-			0.0	1		0.0 Horr Dark	erenn, grug gru	veny siny sana (ii	ne) meanann acr			
	4 / 2 E						1.5-5ft Brown s	silty sand (fine, 1	nedium dense, dr	y)			
	4/3.5				2								
				0.0								1" PVC well, 10' of sc	reen, 20' of riser, sand
	-				3							trom 18-30', bentonite surface with concre	trom 15-18', sand 15 to
					4								
-	-				T								
	-			0.0	5		5-6ft Brown/re	eddish brown gr	avelly clayey sand	1			
-	1/3							(fine, medium o	lense, wet at 5ft)				
	4/5				6		6-14ft Brown s	ilty sandy clay v	vith some gravel (1	medium plastici	ty, stiff to mediu	m stiff, wet)	
	-			0.0									
	-				7								
					8								
<u> </u>													
-				0.0	9								
	4/3.5												
	,				10								
	-			0.0	11								
-					11								
					12								
				0.0									
				0.0	13								
	4/3				14		14 10 50 D 11	• 1 1 /		1. / 1. 1	. 1		
	-				14		14-19.5ft Kedd	ish brown/ gray	gravelly clayey si	it (medium den	se to very dense,	wet)	
-				0.0	15								
					16								
				0.0									
	-				17								
	4/4				18								
	-			0.0	10								
]			0.0	19								
			_	0.0			19.5-20ft Grave	elly clayey silt w	/ cobbles (very de	ense, moist)			
	4/2.5			0.0	20		20-26ft Brown	gray silty sand (medium fine, sligl	htly to very den	se, wet)		
				1			<u> </u>						
Logged	l by:			Davi	d Cranda	all	-	Date:	12/2	2/10	-		
Drilling	g Contrac	tor:		Nothna	agle Dril	ling		Driller:	Ne	eil			

						Job. No.	Client:	ent: New York State Department of			Location:		
-		EA EA	A Engir	neering	g, P.C.				Environment	al Conserva	tion	Autohaus, Eas	t Rochester, NY
-	-74	🗕) EA	Scien	ce and	Techn	ology	Drilling Me	ethod:	Hollow Stem	Auger 3.25	D	Soil Borin	g Number:
									Macrocore			MV	V-12
		LOG OF	SOIL B	ORING			Sampling M	lethod:	Macrocore			Sheet 2 of 2	
Coordi	nates:												
Surface	e Elevatio	n:					TA7 / T	E () 1		1	1	Dri	lling
Casing	Below St	irface:					Water Lev.	5 ft bgs				Start	Finish
Referen	nce Descr	iption:					THIC					12/21/10	12/21/10
		1										1230	1500
Blow	Feet	TAL.	-11	PID	Depth		Surface Cor	nditions:	asphalt				
Counts	Drvn/Ft.	Diag	ram	(ppm)	in	USCS	Weather:		Overcast/light s	now			
(140-16)	Recvrd	26		HNu	Feet	Log	Temperatur	re:	25				
-					21							1	
				0.0	22								
	4/2.5				~~								
					23								
				0.0								1" PVC well, 10' of so	creen, 20' of riser, sand
					24							from 18-30', bentonite	from 15-18', sand 15 to
	2/4				25							- Surface with conciv	cie pau/ nusii niouni
					23							-	
				0.0	26		26-28ft Brown	clayey silt (ens	e, moist)			-	
	2/4												
	2/4				27								
				0.0	20		20 20(t B		1 (6	···· ··· · · · · · · · · · · · · · · ·			
					28		28-30ft brown-	-gray, sitty san	a (fine to mealum f	ine, meaium a	ense,wet)		
	2/4				29								
				0.0									
					30		End of Boring						
	-												
	_												
	-												
	-												
	-												
-													
	1						ł						
	1												
							ļ						
<u>г </u>				_				D (- /			
Logged	by:			Davie	d Crand	all	-	Date:	12/2	2/10	_		
Drilling	g Contrac	tor:		Nothna	agle Dril	ling	-	Driller:	N	eil	_		

Appendix D

Groundwater Sampling Forms





GROUNDWATER SAMPLING PURGE FORM

Well I.D.:	EA Personnel:	Client:
MW-01	David Crandall	NYSDEC
Location:	Well Condition:	Weather:
Rochester Autohaus	Good	25F - Overcast/light snow
Sounding Method:	Gauge Date:	Measurement Ref:
Sounding Method: SWI	Gauge Date: 22-Dec-10	Measurement Ref: Top of Casing
Sounding Method: SWI Stick Up/Down (ft):	Gauge Date: 22-Dec-10 Gauge Time:	Measurement Ref: Top of Casing Well Diameter (in):

Purge Date:	Purge Time:
22-Dec-10	10:38
Purge Method:	Field Technician:
Peristaltic Pump - low flow purge/sample	David Crandall

Well Volume								
A. Well Depth (ft):	D. Well Volume (ft):	Depth/Height of Top of PVC:						
24.08	0.16	Down 6 in.						
B. Depth to Water (ft):	E. Well Volume (gal) C*D):	Pump Type:						
10.24	2.2144	Geopump and dedicated tubing						
C. Liquid Depth (ft) (A-B):	F. Five Well Volumes (gal) (E3):	Pump Designation:						
13.84	6.6432							

	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)	
1042	10.27	2	0.5	7.19	-93	8.07	0.687	0.00	5.8	
1046	10.27	4	0.5	7.11	-89	8.68	0.653	0.00	3.9	
1050	10.27	6	0.5	7.11	-86	8	0.652	0.00	3.1	
1054	10.27	8	0.5	7.11	-82	8.07	0.652	0.00	8.6	
1058	10.28	10	0.5	7.07	-82	8.07	0.647	0.00	3.7	
1102	10.28	12	0.5	7.07	-82	8.09	0.641	0.00	13.4	

Total Quantity of Water R	emoved (gal):	3	Sampling Time:	1110
Samplers:	DC		Split Sample With:	mw-dup
Sampling Date:	22-Dec-10		Sample Type:	GW
COMMENTS AND OBSER	VATIONS:			





GROUNDWATER SAMPLING PURGE FORM

Well I.D.:	EA Personnel:	Client:
MW-8S	David Crandall	NYSDEC
Location:	Well Condition:	Weather:
Rochester Autohaus	Good	25 F - Light snow
Sounding Method:	Gauge Date:	Measurement Ref:
Sounding Method: SWI	Gauge Date: 22-Dec-10	Measurement Ref: Top of Casing
Sounding Method: SWI Stick Up/Down (ft):	Gauge Date: 22-Dec-10 Gauge Time:	Measurement Ref: Top of Casing Well Diameter (in):

Purge Date:	Purge Time:
22-Dec-10	11:16
Purge Method:	Field Technician:
Peristaltic Pump - low flow purge/sample	David Crandall

Well Volume							
A. Well Depth (ft):	D. Well Volume (ft):	Depth/Height of Top of PVC:					
24.47	0.16	up 1ft					
B. Depth to Water (ft):	E. Well Volume (gal) C*D):	Pump Type:					
12.14	1.9728	Geopump and dedicated tubing					
C. Liquid Depth (ft) (A-B):	F. Five Well Volumes (gal) (E3):	Pump Designation:					
12.33	5.9184						

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)
1120	10.49	2	0.5	7.36	39	10.92	0.410	7.15	21.3
1124	10.7	4	0.5	7.36	34	11.03	0.411	7.15	24.2
1128	10.87	6	0.5	7.40	59	11.61	0.439	6.82	20.7
1132	10.91	8	0.5	7.39	74	11.64	0.447	5.71	16.9
1136	10.93	10	0.5	7.39	77	11.7	0.452	5.71	15.3
1140	10.98	12	0.5	7.42	79	11.72	0.452	5.71	14.2

Total Quantity of Water Re	emoved (gal):	1.5	Sampling Time:	11:45
Samplers:	DC		Split Sample With:	
Sampling Date:	22-Dec-10		Sample Type:	GW

COMMENTS AND OBSERVATIONS:

Lock wouldn't open - cut and replaced with new master lock





GROUNDWATER SAMPLING PURGE FORM

Well I.D.:	EA Personnel:	Client:		
MW-8D	David Crandall	NYSDEC		
Location:	Well Condition:	Weather:		
Rochester Autohaus	Good	25 F - Light snow		
Sounding Method:	Gauge Date:	Measurement Ref:		
Sounding Method: SWI	Gauge Date: 22-Dec-10	Measurement Ref: Top of Casing		
Sounding Method: SWI Stick Up/Down (ft):	Gauge Date: 22-Dec-10 Gauge Time:	Measurement Ref: Top of Casing Well Diameter (in):		

Purge Date:	Purge Time:
22-Dec-10	11:50
Purge Method:	Field Technician:
Peristaltic Pump - low flow purge/sample	David Crandall

Well Volume						
A. Well Depth (ft):	D. Well Volume (ft):	Depth/Height of Top of PVC:				
72.19	0.16	up 2ft				
B. Depth to Water (ft):	E. Well Volume (gal) C*D):	Pump Type:				
15.88	9.0096	Geopump and dedicated tubing				
C. Liquid Depth (ft) (A-B):	F. Five Well Volumes (gal) (E3):	Pump Designation:				
56.31	27.0288					

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)
1154	15.88	2	0.5	10.74	-28	10.51	0.447	5.51	1.8
1158	15.88	4	0.5	10.74	-28	10.59	0.448	5.51	1.9
1202	15.88	6	0.5	10.75	-26	10.49	0.446	5.5	1.8
1206	15.88	8	0.5	10.73	-24	10.41	0.446	5.51	2
1210	15.88	10	0.5	10.78	-24	10.38	0.446	5.54	3.9
1214	15.88	12	0.5	10.75	-24	10.44	0.445	5.57	0.1
1218	15.88	14	0.5	10.76	-24	10.36	0.445	5.53	1.7
1222	15.88	16	0.5	10.76	-24	10.38	0.445	5.5	1.9
1226	15.88	18	0.5	10.76	-24	10.41	0.445	5.5	1.8
1230	15.88	20	0.5	10.76	-24	10.4	0.445	5.51	1.8
1234	15.88	22	0.5	10.76	-24	10.36	0.445	5.51	1.8
1238	15.88	24	0.5	10.76	-24	10.35	0.445	5.5	1.8

Total Quantity of Water Removed (gal):	6	Sampling Time:	1240
Samplers:	DC		Split Sample With:	MS/MSD
Sampling Date:	22-Dec-10		Sample Type:	GW
COMMENTS AND OBSERVATIONS	:	lock wouldn't o after sampling	pen, cut to access well and replace	with new masterlock





GROUNDWATER SAMPLING PURGE FORM

Well I.D.:	EA Personnel:	Client:
MW-09	David Crandall	NYSDEC
Location:	Well Condition:	Weather:
Rochester Autohaus	DAMAGED - CAN NOT SAMPLE	25 F - Overcast/light snow
Sounding Method:	Gauge Date:	Measurement Ref:
Sounding Method: SWI	Gauge Date:	Measurement Ref: Top of Casing
Sounding Method: SWI Stick Up/Down (ft):	Gauge Date: Gauge Time:	Measurement Ref: Top of Casing Well Diameter (in):

Purge Date:	Purge Time:
Purge Method:	Field Technician:
	David Crandall

Well Volume					
A. Well Depth (ft):	D. Well Volume (ft):	Depth/Height of Top of PVC:			
B. Depth to Water (ft):	E. Well Volume (gal) C*D):	Pump Type:			
C. Liquid Depth (ft) (A-B):	F. Five Well Volumes (gal) (E3):	Pump Designation:			

Water Quality Parameters									
Time	DTW	Volume	Rate	рН	ORP	Temperature	Conductivity	DO	Turbidity
(hrs)	(ft btoc)	(liters)	(Gpm)	(pH units)	(mV)	(oC)	(uS/cm)	(ug/L)	(ntu)

Total Quantity of Water Removed (gal):
Samplers:	
Sampling Date:	

Sampling Time: Split Sample With: Sample Type:

COMMENTS AND OBSERVATIONS:

well appears to have been hit with backhoe/vehicle, well cover kinked, well broken and blocked at ~ 5 ft. bgs





GROUNDWATER SAMPLING PURGE FORM

Well I.D.:	EA Personnel:	Client:
MW-10	David Crandall	NYSDEC
Location:	Well Condition:	Weather:
Rochester Autohaus	Good	25 F - overcast/light snow
Sounding Method:	Gauge Date:	Measurement Ref:
Sounding Method: SWI	Gauge Date: 22-Dec-10	Measurement Ref: Top of Casing
Sounding Method: SWI Stick Up/Down (ft):	Gauge Date: 22-Dec-10 Gauge Time:	Measurement Ref: Top of Casing Well Diameter (in):

Purge Date:	Purge Time:
22-Dec-10	9:49
Purge Method:	Field Technician:
Peristaltic Pump - low flow purge/sample	David Crandall

Well Volume				
A. Well Depth (ft):	D. Well Volume (ft):	Depth/Height of Top of PVC:		
18.48	0.16	Down 6 in.		
B. Depth to Water (ft):	E. Well Volume (gal) C*D):	Pump Type:		
9.66	1.4112	Geopump and dedicated tubing		
C. Liquid Depth (ft) (A-B):	F. Five Well Volumes (gal) (E3):	Pump Designation:		
8.82	4.2336			

	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)
953	9.67	1	0.25	7.39	77	10.98	0.662	13.28	3.9
957	9.68	2	0.25	7.37	72	12.49	0.671	11.71	3.3
1001	9.68	3	0.25	7.36	93	12.57	0.641	9.89	1.7
1005	9.68	4	0.25	7.36	113	12.60	0.638	6.73	3.6
1009	9.68	5	0.25	7.36	109	12.71	0.638	6.70	2.9
1013	9.68	6	0.25	7.35	111	12.75	0.636	6.61	2.9

Total Quantity of Water Re	moved (gal):	1.5	Sampling Time:	1015
Samplers:	DC		Split Sample With:	
Sampling Date:	22-Dec-10		Sample Type:	GW

COMMENTS AND OBSERVATIONS:

some water in annular space purged out prior to opening well cap





GROUNDWATER SAMPLING PURGE FORM

Well I.D.:	EA Personnel:	Client:	
GP09	David Crandall	NYSDEC	
Location:	Well Condition:	Weather:	
Rochester Autohaus	Good	50 F - Overcast/Light Rain	
Sounding Method:	Gauge Date:	Measurement Ref:	
Sounding Method: SWI	Gauge Date: 22-Dec-10	Measurement Ref: Top of Casing	
Sounding Method: SWI Stick Up/Down (ft):	Gauge Date: 22-Dec-10 Gauge Time:	Measurement Ref: Top of Casing Well Diameter (in):	

Purge Date:	Purge Time:
22-Dec-10	9:14
Purge Method:	Field Technician:
Peristaltic Pump - low flow purge/sample	David Crandall

Well Volume				
A. Well Depth (ft):	D. Well Volume (ft):	Depth/Height of Top of PVC:		
29.49	0.04	down 1 in.		
B. Depth to Water (ft):	E. Well Volume (gal) C*D):	Pump Type:		
12.85	0.6656	Geopump and dedicated tubing		
C. Liquid Depth (ft) (A-B):	F. Five Well Volumes (gal) (E3):	Pump Designation:		
16.64	1.9968			

	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)
918		1	0.25	7.57	194	10.88	0.673	3.91	19.1
922		2	0.25	7.18	-20	11.42	0.947	0.91	12.3
926		3	0.25	7.18	-20	11.51	0.95	0.00	10.8
930		4	0.25	7.18	-20	11.61	0.968	0.00	9.7
934	13.75	5	0.25	7.18	-20	11.67	0.969	0.00	9.8

Total Quantity of Water Re	moved (gal):	1.25	Sampling Time:	940
Samplers:	DC		Split Sample With:	
Sampling Date:	22-Dec-10		Sample Type:	GW

COMMENTS AND OBSERVATIONS:

No well cap, some water in annular space. Reused Plastic that had covered GP after last event to cover top of casing again. No evidence that water had infiltrated plasic sheeting used as cover.





GROUNDWATER SAMPLING PURGE FORM

Well I.D.:	EA Personnel:	Client:
MW-11	David Crandall	NYSDEC
Location:	Well Condition:	Weather:
Rochester Autohaus	Good	25 F - Overcast/light snow
Sounding Method:	Gauge Date:	Measurement Ref:
Sounding Method: SWI	Gauge Date: 22-Dec-10	Measurement Ref: Top of Casing
Sounding Method: SWI Stick Up/Down (ft):	Gauge Date: 22-Dec-10 Gauge Time:	Measurement Ref: Top of Casing Well Diameter (in):

Purge Date:	Purge Time:
22-Dec-10	12:50
Purge Method:	Field Technician:
Peristaltic Pump - low flow purge/sample	David Crandall

Well Volume							
A. Well Depth (ft):	D. Well Volume (ft):	Depth/Height of Top of PVC:					
29.59	0.04	down 1 in.					
B. Depth to Water (ft):	E. Well Volume (gal) C*D):	Pump Type:					
11.49	0.724	Geopump and dedicated tubing					
C. Liquid Depth (ft) (A-B):	F. Five Well Volumes (gal) (E3):	Pump Designation:					
18.1	2.172						

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)
1254		1	0.25	7.82	-71	11.63	0.218	6.15	472
1258		2	0.25	7.87	-60	11.27	0.301	0.00	102
1302		3	0.25	7.90	11	10.94	0.41	0.00	39.8
1306		4	0.25	7.90	16	10.93	0.414	0.00	36.3
1310	12.51	5	0.25	7.9	17	10.9	0.413	0.00	37.1
						ļ			

Total Quantity of Water Re	emoved (gal):	1.25	Sampling Time:	1315
Samplers:	DC		Split Sample With:	
Sampling Date:	22-Dec-10		Sample Type:	GW

COMMENTS AND OBSERVATIONS:

well purged of 5 well volumes in AM, low flow sampling completed in afternoon after allowing well to recharge





GROUNDWATER SAMPLING PURGE FORM

Well I.D.:	EA Personnel:	Client:
MW-12	David Crandall	NYSDEC
Location:	Well Condition:	Weather:
Rochester Autohaus	Good	25 F - Overcast/light snow
Sounding Method:	Gauge Date:	Measurement Ref:
Sounding Method: SWI	Gauge Date: 22-Dec-10	Measurement Ref: Top of Casing
Sounding Method: SWI Stick Up/Down (ft):	Gauge Date: 22-Dec-10 Gauge Time:	Measurement Ref: Top of Casing Well Diameter (in):

Purge Date:	Purge Time:
22-Dec-10	13:20
Purge Method:	Field Technician:
Peristaltic Pump - low flow purge/sample	David Crandall

Well Volume							
A. Well Depth (ft):	D. Well Volume (ft):	Depth/Height of Top of PVC:					
29.13	0.04	down 1 in.					
B. Depth to Water (ft):	E. Well Volume (gal) C*D):	Pump Type:					
11.29	0.7136	Geopump and dedicated tubing					
C. Liquid Depth (ft) (A-B):	F. Five Well Volumes (gal) (E3):	Pump Designation:					
17.84	2.1408						

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)
1324		1	0.25	7.52	80	10.13	0.281	0.70	452
1328		2	0.25	7.58	82	9.49	0.312	0.57	117
1332		3	0.25	7.59	86	9.84	0.54	0.53	39.8
1336		4	0.25	7.59	86	9.81	0.54	0.50	37.6
1340	11.78	5	0.25	7.59	86	9.75	0.544	0.52	31.2

Total Quantity of Water Re	emoved (gal):	1.25	Sampling Time:	1345	
Samplers:	DC		Split Sample With:		
Sampling Date:	22-Dec-10		Sample Type:	GW	

COMMENTS AND OBSERVATIONS:

well purged of 5 well volumes in AM, low flow sampling completed in afternoon after allowing well to recharge

Appendix E

Analytical Form Is

Life Science Laboratories, Inc.

Analytical Results

E	ast Syracuse, NY 1305	7 (315)	445-1105	5	StateCertNo: 10248
CLIENT Project:	EA Engineering Science DEC- Autohaus	e and Technol	ogy	Lab ID: Client Sample ID:	K1012255-001A 828084-GP-09
W Order: Matrix:	K1012255 GROUNDWATER			Collection Date: Date Received:	12/22/10 9:40 12/23/10 8:23
Inst. ID: ColumnID: Revision:	MS04_73 Rtx-VMS 01/03/11 7:34	Sample Size %Moisture: TestCode:	10 mL 8260W_OLM42	PrepDate: BatchNo: FileID:	R21279 1-SAMP-R7631.D

Col Type:

Analyte	Result Qua	Result Qual PQL		Units DF Date Analy				
VOLATILE ORGANIC COMPOUN	IDS BY GC/MS	Y GC/MS			SW8260B			
Dichlorodifluoromethane	ND	1.00	0.10	µg/L	1	12/30/10 10:46		
Chloromethane	ND	1.00	0.33	µg/L	1	12/30/10 10:46		
Vinyt chloride	ND	1.00	0.33	µg/L	1	12/30/10 10:46		
Bromomethane	ND	1.00	0.33	µg/L	1	12/30/10 10:46		
Chloroethane	0.61 J	1.00	0.33	µg/L	1	12/30/10 10:46		
Trichlorofluoromethane	ND	1.00	0.10	µg/L	1	12/30/10 10:46		
1,1-Dichloroethene	ND	0.50	0.16	µg/L	1	12/30/10 10:46		
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.50	0.10	µg/L	1	12/30/10 10:46		
Acetone	9.71 J	10.0	1.00	µg/L	1	12/30/10 10:46		
Carbon disulfide	ND	0.50	0.11	µg/L	1	12/30/10 10:46		
Methyl acetate	ND	5.00	1.00	µg/L	1	12/30/10 10:46		
Methylene chloride	0.39 J	2.00	0.16	µg/L	1	12/30/10 10:46		
trans-1,2-Dichloroethene	ND	0.50	0.10	µg/L	1	12/30/10 10:46		
Methyl tert-butyl ether	1.51	1.00	0.16	µg/L	1	12/30/10 10:46		
1.1-Dichloroethane	2.46	0.50	0.10	µg/L	1	12/30/10 10:46		
cis-1,2-Dichloroethene	0.12 J	0.50	0.10	µg/L	1	12/30/10 10:46		
2-Butanone	1.33 J	10.0	1.00	µg/L	1	12/30/10 10:46		
Chloroform	0.38 J	0.50	0.10	µg/L	1	12/30/10 10:46		
1,1,1-Trichloroethane	ND	0.50	0.10	µg/L	1	12/30/10 10:46		
Cyclohexane	ND	0.50	0.10	µg/L	1	12/30/10 10:46		
Carbon tetrachloride	ND	0.50	0.10	μg/L	1	12/30/10 10:46		
Benzene	1.44	0.50	0.10	μg/L	1	12/30/10 10:46		
1,2-Dichloroethane	ND	0.50	0.16	µg/L	1	12/30/10 10:46		
Trichloroethene	0.81	0.50	0.10	μg/L	1	12/30/10 10:46		
Methylcyclohexane	ND	0.50	0.10	µg/L	1	12/30/10 10:46		
1,2-Dichloropropane	0.30 J	0.50	0.16	µg/L	1	12/30/10 10:46		
Bromodichloromethane	ND	0.50	0.10	µg/L	1	12/30/10 10:46		
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1	12/30/10 10:46		
4-Methyl-2-pentanone	1.05 J	5.00	1.00	µg/L	1	12/30/10 10:46		
Toluene	4.96	0.50	0.10	μg/L	1	12/30/10 10:46		
trans-1,3-Dichloropropene	ND	0.50	0.16	μg/L	1	12/30/10 10:46		
1,1,2-Trichloroethane	ND	0.50	0.16	µg/L	1	12/30/10 10:46		
Tetrachloroethene	0.11 J	0.50	0.10	μg/L	1	12/30/10 10:46		
2-Hexanone	ND	5.00	1.00	µg/L	1	12/30/10 10:46		
Oualifiers: * Value exceeds Max	imum Contaminant Level		B Analyte	e detected in the	associated M	lethod Blank		
E Value exceeds the in	nstrument calibration rang	ge	H Holdin	Holding times for preparation or analysis exceeded Not Detected at the Practical Quantitation Limit (PQL)				
J Analyte detected be	low the PQL		ND Not De					
P Prim./Conf. column	%D or RPD exceeds limi	it	S Spike F	ecovery outside	accepted red	covery limits		

Life Science Laboratories, Inc. 5854 Butternut Drive

E	ast Syracuse, NY 1305	i7 (315)	445-1105	5	StateCertNo: 10248
CLIENT Project:	EA Engineering Scienc DEC- Autohaus	e and Technol	ogy	Lab ID: Client Sample ID:	K1012255-001A 828084-GP-09
W Order: Matrix:	K1012255 GROUNDWATER			Collection Date: Date Received:	12/22/10 9:40 12/23/10 8:23
Inst. ID: ColumnID: Revision:	MS04_73 Rtx-VMS 01/03/11 7:34	Sample Size %Moisture: TestCode:	10 mL 8260W_OLM42	PrepDate: BatchNo: FileID:	R21279 1-SAMP-R7631.D
Col Type:					

Analyte	Result Qua	Result Qual PQL		Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUND	DS BY GC/MS			SW8260	08	
Dibromochloromethane	ND	0.50	0.10	μg/L	1	12/30/10 10:46
1.2-Dibromoethane	ND	0.50	0.16	µg/L	1	12/30/10 10:46
Chlorobenzene	0.75	0.50	0.10	µg/L	1	12/30/10 10:46
Ethylbenzene	6.70	0.50	0.10	µg/L	1	12/30/10 10:46
Xvlenes (total)	24.0	1.00	0.30	µg/L	1	12/30/10 10:46
Styrene	ND	0.50	0.10	µg/L	1	12/30/10 10:46
Bromoform	ND	1.00	0.33	µg/L	1	12/30/10 10:46
Isopropylbenzene	1.40	0.50	0.10	µg/L	1	12/30/10 10:46
1 1 2 2-Tetrachloroethane	NÖ	0.50	0.10	µg/L	1	12/30/10 10:46
1 3-Dichlorobenzene	0.17 J	0.50	0.10	μg/L	1	12/30/10 10:46
1 4-Dichlorobenzene	3.53	0.50	0.16	µg/L	1	12/30/10 10:46
1 2-Dichlorobenzene	80.2	0.50	0.10	µg/L	1	12/30/10 10:46
1 2-Dibromo-3-chloropropane	ND	5.00	1.00	μg/L	1	12/30/10 10:46
1.2.4.Trichlorobenzene	ND	1.00	0.10	µg/L	1	12/30/10 10:46
Surr: 1.2-Dichloroethane-d4	117	75-128	0.16	%REC	1	12/30/10 10:46
Sur: Toluene-d8	110	75-125	0.10	%REC	1	12/30/10 10:46
Surr: 4-Bromofluorobenzene	100	75-125	0.10	%REC	1	12/30/10 10:46

Qualifiare	*	Value exceeds Maximum Contaminant Level	В	Analyte detected in the associated Method Blank
Qualmera.	Е	Value exceeds the instrument calibration range	н	Holding times for preparation or analysis exceeded
	J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
	Р	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

	os 🗍				
Lab Name:	Life Science	t:	828084-GP-09		
Lab Code:	LSLB	Case No.: <u>EA</u>	SAS No.: _	SDG No	.: <u>K1012255</u>
Matrix: (soi)	l/water)	WATER		Lab Sample ID:	K1012255-001A
Sample wt/vol	L: <u>10</u>	(g/mL) <u>ML</u>		Lab File ID:	<u>R7631.D</u>
Level: I	WO			Date Received:	12/23/2010
<pre>% Moisture: r</pre>	not dec.			Date Analyzed:	12/30/2010
GC Column: <u>F</u>	tx-VMS	ID: 0.25 (mm)		Dilution Factor:	1.00
Extract Volur	ne:	(µ1)			

Number TICs found:

5

CONCENTRATION UNITS:

UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1:000611-14-3	Benzene, 1-ethyl-2-methyl- 17.	17.94	2.73	JN
2,000526-73-8	Benzene, 1,2,3-trimethyl- 18.1	18.18	5.58	JN
3,000496-11-7	Indane 19.110	19.11	2.59	JN
4	unknown 21.080	21.08	1.54	J
5 000091-20-3	Naphthalene 22.360	22.36	1.55	JN
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Life Science Laboratories, Inc.

5854 Butternut Dri	ve
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Е	ast Syracuse, NY 1305	7 (315)	445-1105	S	StateCertNo: 10248
CLIENT Project:	EA Engineering Scienc DEC- Autohaus	e and Technol	ogy	Lab ID: Client Sample ID:	K1012255-002A 828084-MW-10
W Order: Matrix:	K1012255 GROUNDWATER			Collection Date: Date Received:	12/22/10 10:15 12/23/10 8:23
Inst. ID: ColumnID: Revision:	MS04_73 Rtx-VMS 01/03/11 7:34	Sample Size %Moisture: TestCode:	10 mL 8260W_OLM42	PrepDate: BatchNo: FileID:	R21279 1-SAMP-R7641.D
Col Type:					

Analyte		Result Qua	al PQL	MDL	Units	DF	Date Analyzed
VOLATILE OR		S BY GC/MS			SW826	DB	
Dichlorodifluorome	thane	ND	1.00	0.10	μg/L	1	12/30/10 15: 50
Chloromethane		ND	1.00	0.33	µg/L	1	12/30/10 15:50
Vinvl chloride		ND	1.00	0.33	µg/L	1	12/30/10 15:50
Bromomethane		ND	1.00	0.33	µg/L	1	12/30/10 15:50
Chloroethane		ND	1.00	0.33	µg/L	1	12/30/10 15:50
Trichlorofluoromet	hane	ND	1.00	0.10	µg/L	1	12/30/10 15:50
1 1-Dichloroethene	9	ND	0.50	0.16	µg/L	1	12/30/10 15:50
1 1 2-Trichloro-1 2	2-trifluoroethane	ND	0.50	0.10	µg/L	1	12/30/10 15:50
Acetone	.,	ND	10.0	1.00	µg/L	1	12/30/10 15:50
Carbon disulfide		ND	0.50	0.11	µg/L	1	12/30/10 15:50
Methyl acetate		ND	5.00	1.00	µg/L	1	12/30/10 15:50
Methylene chloride	2	ND	2.00	0,16	µg/L	1	12/30/10 15:50
trans_1 2-Dichloro	, ethene	ND	0.50	0.10	µg/L	1	12/30/10 15:50
Methyl tert-bubyl et	her	ND	1.00	0.16	ua/L	1	12/30/10 15:50
1 1-Dichloroethan		ND	0.50	0.10	µg/L	1	12/30/10 15:50
cis-1 2-Dichloroett		ND	0.50	0.10	ua/L	1	12/30/10 15:50
2.Butanone		ND	10.0	1.00	µg/L	1	12/30/10 15:50
Chloroform		2.87	0.50	0.10	μα/L	1	12/30/10 15:50
1 1 1_Trichloroeth:	ano	ND	0.50	0.10	ua/L	1	12/30/10 15:50
Cyclobevane	and	ND	0.50	0.10	ua/L	1	12/30/10 15:50
Carbon tetrachlori	de	ND	0.50	0.10	µa⁄L	1	12/30/10 15:50
Bonzono	de	ND	0.50	0.10	ua/L	1	12/30/10 15:50
1.2 Disbloroothan	_	ND	0.50	0.16	ug/L	1	12/30/10 15:50
T,2-Dichoroethone	6		0.50	0.10	ua/l	1	12/30/10 15:50
Mothylovelebovan	•		0.50	0.10	ug/l	1	12/30/10 15:50
		ND	0.50	0.16	ua/L	1	12/30/10 15:50
Premediablerame	the sec	0.46 1	0.50	0.10	на/I	1	12/30/10 15:50
sis 1.2 Disbloroor		0.403	0.50	0.16	µg/⊧	1	12/30/10 15:50
4 Methyl 2 penter	opene		5.00	1.00	ua/l	1	12/30/10 15:50
4-ivieti iyi-z-pentan Taluana	IONE		0.50	0.10	ua/l	1	12/30/10 15:50
trope 1.2 Diablers			0.50	0.16	ug/i	1	12/30/10 15:50
trans-1,3-Dichioropropene			0.50	0.16	µg/L	1	12/30/10 15:50
T, T, 2- Thermoroeunane			0.50	0.10	µg/c	1	12/30/10 15:50
l etrachioroethene	•	ND	0.50	1.00	µg/L	1	12/30/10 15:50
2-Hexanone		ND	5,00	1.00	н Я , г	I	
Oualifiers:	* Value exceeds Maximi	um Contaminant Level	/////////////////////////////////	B Analyte	detected in the	associated M	lethod Blank
<u></u>	E Value exceeds the instr	ument calibration rang	ge	H Holding	g times for prepa	ration or an	alysis exceeded
	J Analyte detected below	v the PQL		ND Not Det	tected at the Pra	ctical Quant	itation Limit (PQL)
	P Prim./Conf. column %	D or RPD exceeds lim	it	S Spike R	ecovery outside	accepted re	covery limits

Life Science Laboratories, Inc.

E	ast Syracuse, NY 1305	7 (315)	445-1105	5	StateCertNo: 10248
CLIENT Project:	EA Engineering Scienc DEC- Autohaus	e and Technol	ogy	Lab ID: Client Sample ID:	K1012255-002A 828084-MW-10
W Order: Matrix:	K1012255 GROUNDWATER			Collection Date: Date Received:	12/22/10 10:15 12/23/10 8:23
Inst. ID: ColumnID: Revision:	MS04_73 Rtx-VMS 01/03/11 7:34	Sample Size %Moisture: TestCode:	10 mL 8260W_OLM42	PrepDate: BatchNo: FileID:	R21279 1-SAMP-R7641.D
Col Type:					

Analyte	Result Qu	al PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS	S BY GC/MS			SW826	ов	
Dibromochloromethane	ND	0.50	0.10	µg/L	1	12/30/10 15:50
1,2-Dibromoethane	ND	0.50	0.16	µg/L	1	12/30/10 15:50
Chlorobenzene	ND	0.50	0.10	µg∕L	1	12/30/10 15:50
Ethylbenzene	ND	0.50	0.10	µg/L	1	12/30/10 15:50
Xylenes (total)	ND	1.00	0.30	µg/L	1	12/30/10 15:50
Styrene	ND	0.50	0.10	µg/L	1	12/30/10 15:50
Bromoform	ND	1.00	0.33	µg/L	1	12/30/10 15:50
Isopropylbenzene	ND	0.50	0.10	µg/L	1	12/30/10 15:50
1,1,2,2-Tetrachloroethane	ND	0.50	0.10	µg/L	1	12/30/10 15:50
1,3-Dichlorobenzene	ND	0.50	0.10	µg/L	1	12/30/10 15:50
1,4-Dichlorobenzene	ND	0.50	0.16	µg/L	1	12/30/10 15:50
1,2-Dichlorobenzene	ND	0.50	0.10	µg/L	1	12/30/10 15:50
1,2-Dibromo-3-chloropropane	ND	5.00	1.00	µg/L	1	12/30/10 15:50
1,2,4-Trichlorobenzene	ND	1.00	0.10	µg/L	1	12/30/10 15:50
Surr: 1,2-Dichloroethane-d4	117	75-128	0.16	%REC	1	12/30/10 15:50
Surr: Toluene-d8	111	75-125	0.10	%REC	1	12/30/10 15:50
Surr: 4-Bromofluorobenzene	107	75-125	0.10	%REC	1	12/30/10 15:50

Qualifiers:	*	Value exceeds Maximum Contaminant Level	В	Analyte detected in the associated Method Blank
Quintine vi	E	Value exceeds the instrument calibration range	Н	Holding times for preparation or analysis exceeded
	J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
	Р	Prim./Conf. column %D or RPD exceeds limit	8	Spike Recovery outside accepted recovery limits
	1			Space

Form 1 TIC

CLIENT SAMPLE NO.

Volatile Organic Compounds by GC/MS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

	os .	828084-MW-10			
Lab Name:	Life Science Laboratories, Inc. Contract:				
Lab Code:	LSLB	Case No.: <u>EA</u>	SAS No.: _	SDG No	.: <u>k1012255</u>
Matrix: (soil	L/water)	WATER		Lab Sample ID:	K1012255-002A
Sample wt/vol	1: <u>10</u>	(g/mL) <u>ML</u>		Lab File ID:	<u>R7641.D</u>
Level: L	wo			Date Received:	12/23/2010
<pre>% Moisture: r</pre>	not dec.			Date Analyzed:	12/30/2010
GC Column: <u>R</u>	tx-VMS	ID: <u>0.25</u> (mm)		Dilution Factor:	1.00
Extract Volum	ne :	(µl)			

Number TICs found:	0	CONCENTRATION	UNITS:	UG/L
CAS NUMBER		COMPOUND NAME	RT	EST.CONC.

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
				
1 				

FORM I TIC 2

Life Science Laboratories, Inc. 5854 Butternut Drive

E	ast Syracuse, NY 1305	67 (315)	445-1105	5	StateCertNo: 10248
CLIENT Project:	EA Engineering Scienc DEC- Autohaus	e and Technol	ogy	Lab ID: Client Sample ID:	K1012255-003A 828084-MW-01
W Order: Matrix:	K1012255 GROUNDWATER			Collection Date: Date Received:	12/22/10 11:10 12/23/10 8:23
Inst. ID: ColumnID: Revision:	MS04_73 Rtx-VMS 01/03/11 7:34	Sample Size %Moisture: TestCode:	10 mL 8260W_OLM42	PrepDate: BatchNo: FileID:	R21279 1-SAMP-R7633.D
Col Type:					

Analyte		Result Qua	Result Qual PQL			Units	DF	Date Analyzed	
VOLATILE O	RGA	NIC COMPOUNDS	BY GC/MS				SW826	рв	
Dichlorodifluoro	metha	ne	ND	1.00	0.1	0	µg/L	1	12/30/10 11:47
Chloromethane			ND	1.00	0.3	3	µg/L	1	12/30/10 11:47
Vinyl chloride			ND	1.00	0.3	3	µg/L	1	12/30/10 11:47
Bromomethane			ND	1.00	0.3	3	µg/L	1	12/30/10 11:47
Chloroethane			ND	1.00	0.3	3	µg/L	1	12/30/10 11:47
Trichlorofluoromethane		ND	1.00	0.1	0	µg/L	1	12/30/10 11:47	
1,1-Dichloroethe	ene		ND	0.50	0.1	6	µg/L	1	12/30/10 11:47
1,1,2-Trichloro-	1,2,2-1	rifluoroethane	ND	0.50	0.1	0	µg/L	1	12/30/10 11:47
Acetone			ND	10.0	1.0	0	μg/L	1	12/30/10 11:47
Carbon disulfide	Э		ND	0.50	0.1	1	µg/L	1	12/30/10 11:47
Methyl acetate			ND	5.00	1.0	0	µg/L	1	12/30/10 11:47
Methylene chlor	ide		ND	2.00	0.1	6	µg/L	1	12/30/10 11:47
trans-1,2-Dichlo	proeth	ene	ND	0.50	0.1	0	μg/L	1	12/30/10 11:47
Methyl tert-butyl	l ether		ND	1.00	0.1	6	µg/L	1	12/30/10 11:47
1.1-Dichloroetha	ane		0.25 J	0.50	0.1	0	µg/L	1	12/30/10 11:47
cis-1.2-Dichloro	ethen	e	0.28 J	0.50	0,1	0	µg/L	1	12/30/10 11:47
2-Butanone		ND	10.0	1.0	0	µg/L	1	12/30/10 11:47	
Chloroform			ND	0.50	0.1	0	µg/L	1	12/30/10 11:47
1.1.1-Trichloroethane		ND	0.50	0.1	0	µg/L	1	12/30/10 11:47	
Cyclohexane			ND	0.50	0.1	0.10		1	12/30/10 11:47
Carbon tetrachl	oride		ND	0.50	0.1	0.10		1	12/30/10 11:47
Benzene			ND	0.50	0.1	0	µg/L	1	12/30/10 11:47
1,2-Dichloroeth	ane		ND	0.50	0.1	6	µg/L	1	12/30/10 11:47
Trichloroethene	•		0.56	0.50	0.1	0	µg/L	1	12/30/10 11:47
Methylcyclohexa	ane		ND	0.50	0.1	0	μg/L	1	12/30/10 11:47
1,2-Dichloropro	pane		ND	0.50	0.1	6	µg/L	1	12/30/10 11:47
Bromodichloron	nethai	ne	ND	0.50	0.1	0	µg/L	1	12/30/10 11:47
cis-1,3-Dichloro	oprope	ene	ND	0.50	0.1	6	μg/L	1	12/30/10 11:47
4-Methyl-2-peni	tanon	e	ND	5.00	1.0	00	µg/L	1	12/30/10 11:47
Toluene			ND	0.50	0.1	0	µg/L	1	12/30/10 11:47
trans-1,3-Dichle	oropro	pene	ND	0.50	0.1	6	µg/L	1	12/30/10 11:47
1,1,2-Trichloroe	ethane)	ND	0.50	0.1	6	µg/L	1	12/30/10 11:47
Tetrachloroethene		1.91	0.50	0.1	0	μg/L	1	12/30/10 11:47	
2-Hexanone			ND	5.00	1.0	00	µg/L	1	12/30/10 11:47
Oualifiers:	*	Value exceeds Maximu	n Contaminant Level		В	Analyte d	letected in the	associated N	Aethod Blank
~·	Е	Value exceeds the instru	ment calibration rang	e	Н	Holding t	Iolding times for preparation or analysis exceeded		
	J	Analyte detected below	the PQL	ie PQL		Not Dete	Not Detected at the Practical Quantitation Limit (PQL)		
	Р	Prim./Conf. column %E) or RPD exceeds limit	t	S	Spike Re	covery outside	accepted re	covery limits

LSL 5854 Butternut Drive

E	ast Syracuse, NY 1305	67 (315)	445-1105	S	StateCertNo: 10248
CLIENT Project:	EA Engineering Scienc DEC- Autohaus	e and Technol	ogy	Lab ID: Client Sample ID:	K1012255-003A 828084-MW-01
W Order: Matrix:	K1012255 GROUNDWATER			Collection Date: Date Received:	12/22/10 11:10 12/23/10 8:23
Inst. ID: ColumnID: Revision:	MS04_73 Rtx-VMS 01/03/11 7:34	Sample Size %Moisture: TestCode:	10 mL 8260W_OLM42	PrepDate: BatchNo: FileID:	R21279 1-SAMP-R7633.D
Col Type:					

Analyte	Result Qua	al PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUND	DS BY GC/MS			SW826)B	
Dibromochloromethane	ND	0.50	0.10	µg/L	1	12/30/10 11:47
1,2-Dibromoethane	ND	0.50	0.16	µg/L	1	12/30/10 11:47
Chlorobenzene	ND	0.50	0.10	µg/L	1	12/30/10 11:47
Ethylbenzene	ND	0.50	0.10	µg/L	1	12/30/10 11:47
Xylenes (total)	ND	1.00	0.30	µg/L	1	12/30/10 11:47
Styrene	ND	0.50	0,10	µg/L	1	12/30/10 11:47
Bromoform	ND	1.00	0.33	µg/L	1	12/30/10 11:47
isopropylbenzene	ND	0.50	0.10	µg/L	1	12/30/10 11:47
1.1.2.2-Tetrachloroethane	ND	0.50	0.10	µg/L	1	12/30/10 11:47
1.3-Dichlorobenzene	0.39 J	0.50	0.10	µg/L	1	12/30/10 11:47
1,4-Dichlorobenzene	1.92	0.50	0.16	µg/L	1	12/30/10 11:47
1,2-Dichlorobenzene	0.80	0.50	0.10	µg/L	1	12/30/10 11:47
1,2-Dibromo-3-chloropropane	ND	5.00	1.00	µg/L	1	12/30/10 11:47
1.2.4-Trichlorobenzene	ND	1.00	0.10	µg/L	1	12/30/10 11:47
Surr: 1.2-Dichloroethane-d4	118	75-128	0,16	%REC	1	12/30/10 11:47
Surr: Toluene-d8	110	75-125	0.10	%REC	1	12/30/10 11:47
Surr: 4-Bromofluorobenzene	104	75-125	0.10	%REC	1	12/30/10 11:47

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

Volatile Organic Compounds by GC/MS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name:	Life Science	Laboratories, Inc.	Contrac	t:	828084-MW-01
Lab Code:	LSLB	Case No.: <u>EA</u>	SAS No.: _	SDG No	о.: <u>к1012255</u>
Matrix: (soil	/water)	WATER		Lab Sample ID:	K1012255-003A
Sample wt/vol	: <u>10</u>	(g/mL) <u>ML</u>		Lab File ID:	R7633.D
Level: L	OW			Date Received:	12/23/2010
% Moisture: n	ot dec.			Date Analyzed:	12/30/2010
GC Column: <u>R</u>	tx-VMS	ID: <u>0.25</u> (mm)		Dilution Factor:	1.00
Extract Volum	ne:	(µl)			

Number TICs found:

7

CONCENTRATION UNITS:

UG/L

CAS NUMBER	CAS NUMBER COMPOUND NAME		EST.CONC.	Q
	unknown 18.350	18.35	1.17	J
2	unknown 18.970	18.97	1.35	
3	unknown 19.700	19,70	1.00	J
4	unknown 19.850	19.85	1.90	J
5.000095-93-2	Benzene, 1,2,4,5-tetramethyl-	20.41	1,19	JN
6.000700-12-9	Benzene, pentamethyl- 20.540	20.54	1.04	JN
7	unknown 21.090	21.09	1.34	J

Life Science Laboratories, Inc. 5854 Butternut Drive

F	East Syracuse, NY 1305	7 (315)	445-1105	5	StateCertNo: 10248
CLIENT Project:	EA Engineering Scienc DEC- Autohaus	e and Technol	ogy	Lab ID: Client Sample ID:	K1012255-004A 828084-MW-08S
W Order: Matrix:	K1012255 GROUNDWATER			Collection Date: Date Received:	12/22/10 11:45 12/23/10 8:23
Inst. ID: ColumnID: Revision:	MS04_73 Rtx-VMS 01/03/11 7:34	Sample Size %Moisture: TestCode:	10 mL 8260W_OLM42	PrepDate: BatchNo: FileID:	R21279 1-SAMP-R7636.D
Col Type:					

Analyte		Result Qu	al PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORG	ANIC COMPOUND	S BY GC/MS			SW826	0B	
Dichlorodifluoromet	hane	ND	1.00	0.10	μg/L	1	12/30/10 13:18
Chloromethane		ND	1.00	0.33	µg/L	1	12/30/10 13:18
Vinyl chloride		ND	1.00	0.33	μg/L	1	12/30/10 13:18
Bromomethane		ND	1.00	0.33	µg/L	1	12/30/10 13:18
Chloroethane		ND	1.00	0.33	µg/L	1	12/30/10 13:18
Trichlorofluorometh	ane	ND	1.00	0.10	µg/L	1	12/30/10 13 18
1,1-Dichioroethene		ND	0.50	0.16	µg/L	1	12/30/10 13:18
1,1,2-Trichloro-1,2,1	2-trifluoroethane	ND	0.50	0.10	µg/L	1	12/30/10 13:18
Acetone		ND	10.0	1.00	µg/L	1	12/30/10 13:18
Carbon disulfide		ND	0.50	0.11	µg/L	1	12/30/10 13:18
Methyl acetate		ND	5.00	1.00	µg/L	1	12/30/10 13:18
Methylene chloride		ND	2.00	0.16	µg/L	1	12/30/10 13:18
trans-1,2-Dichloroe	thene	ND	0.50	0,10	µg/L	1	12/30/10 13:18
Methyl tert-butyl eth	er	ND	1.00	0.16	µg/L	1	12/30/10 13:18
1,1-Dichloroethane		ND	0.50	0,10	μg/L	1	12/30/10 13:18
cis-1,2-Dichloroethe	ene	ND	0.50	0.10	µg/L	1	12/30/10 13:18
2-Butanone		ND	10.0	1.00	µg/L	1	12/30/10 13:18
Chloroform		ND	0.50	0.10	µg/L	1	12/30/10 13:18
1,1,1-Trichloroetha	ne	ND	0.50	0.10	µg/L	1	12/30/10 13:18
Cyclohexane		ND	0.50	0.10	µg/L	1	12/30/10 13:18
Carbon tetrachlorid	e	ND	0.50	0.10	µg/L	1	12/30/10 13:18
Benzene		ND	0.50	0.10	µg/L	1	12/30/10 13:18
1,2-Dichloroethane		ND	0.50	0.16	µg/L	1	12/30/10 13:18
Trichloroethene		ND	0.50	0.10	μg/L	1	12/30/10 13:18
Methylcyclohexane		ND	0.50	0.10	μg/L	1	12/30/10 13:18
1,2-Dichloropropan	e	ND	0.50	0.16	μg/L	1	12/30/10 13:18
Bromodichlorometh	ane	ND	0.50	0.10	µg/L	1	12/30/10 13:18
cis-1,3-Dichloropro	pene	ND	0.50	0.16	µg/L	1	12/30/10 13:18
4-Methyl-2-pentanc	one	ND	5.00	1.00	µg/L	1	12/30/10 13:18
Toluene		ND	0.50	0.10	µg/L	1	12/30/10 13:18
trans-1,3-Dichlorop	oropene	ND	0.50	0.16	µg/L	1	12/30/10 13:18
1,1,2-Trichloroetha	ne	ND	0.50	0.16	µg/L	1	12/30/10 13:18
Tetrachloroethene		ND	0.50	0.10	μg/L	1	12/30/10 13:18
2-Hexanone		ND	5.00	1.00	µg/L	1	12/30/10 13:18
Qualifiers: *	Value exceeds Maximu	m Contaminant Leve	1	B Analyte	detected in the	associated M	lethod Blank
E	Value exceeds the instru	ument calibration ran	ge	H Holding	times for prepa	ration or ana	lysis exceeded
J	Analyte detected below	the PQL		ND Not Det	ND Not Detected at the Practical Quantitation Limit (PQL)		
Р	Prim./Conf. column %I) or RPD exceeds lim	uit	S Spike R	ecovery outside	accepted rec	overy limits

Life Science Laboratories, Inc.

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F	Cast Syracuse, NY 1305	7 (315)	445-1105		StateCertNo: 10248
CLIENT Project:	EA Engineering Scienc DEC- Autohaus	e and Technol	ogy	Lab ID: Client Sample ID:	K1012255-004A 828084-MW-08S
W Order: Matrix:	K1012255 GROUNDWATER			Collection Date: Date Received:	12/22/10 11:45 12/23/10 8:23
Inst. ID: ColumnID: Revision: Col Type:	MS04_73 Rtx-VMS 01/03/11 7:34	Sample Size %Moisture: TestCode:	10 mL 8260W_OLM42	PrepDate: BatchNo: FileID:	R21279 1-SAMP-R7636.D

Analyte	Result Qu	al PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUN	IDS BY GC/MS			SW8260)B	
Dibromochloromethane	ND	0.50	0.10	µg/L	1	12/30/10 13:18
1.2-Dibromoethane	ND	0.50	0.16	µg/L	1	12/30/10 13:18
Chlorobenzene	ND	0.50	0.10	µg/L	1	12/30/10 13:18
Ethylbenzene	ND	0.50	0,10	µg/L	1	12/30/10 13:18
Xvlenes (total)	ND	1.00	0.30	µg/L	1	12/30/10 13:18
Styrene	ND	0.50	0.10	µg/L	1	12/30/10 13:18
Bromoform	ND	1.00	0.33	µg/L	1	12/30/10 13:18
Isopropylbenzene	ND	0.50	0,10	µg/L	1	12/30/10 13:18
1 1 2 2-Tetrachloroethane	ND	0.50	0.10	μg/L	1	12/30/10 13:18
1 3-Dichlorobenzene	ND	0.50	0.10	ug/L	1	12/30/10 13:18
1 4-Dichlorabenzene	מא	0.50	0.16	µg/L	1	12/30/10 13:18
1.2-Dichlorobenzene	ND	0.50	0.10	ua/L	1	12/30/10 13:18
1.2-Dibromo-3-chloropropage		5.00	1 00	ua/L	1	12/30/10 13:18
1.2.4-Trichlorobenzene	ND	1.00	0.10	ua/L	1	12/30/10 13:18
Sur: 1.2 Dioblerathans d4	112	75,128	0.16	%RFC	1	12/30/10 13:18
Surr: Toluono de	112	75-125	0.10	%REC	1	12/30/10 13:18
Surr: 4-Bromofluorobenzene	99	75-125	0.10	%REC	1	12/30/10 13:18

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

Volatile Organic Compounds by GC/MS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

Form 1 TIC

Lab Name:	Life Science	Laboratories, Inc.	Contrac	t:	928084-MW-085
Lab Code:	LSLB	Case No.: <u>EA</u>	SAS No.: _	SDG No	x: <u>K1012255</u>
Matrix: (soil	/water)	WATER		Lab Sample ID:	<u>K1012255-004A</u>
Sample wt/vol	: <u>10</u>	(g/mL) ML		Lab File ID:	<u>R7636.D</u>
Level: L	OW			Date Received:	12/23/2010
% Moisture: n	ot dec.			Date Analyzed:	12/30/2010
GC Column: <u>R</u>	tx~VMS	ID: 0.25 (mm)		Dilution Factor:	1.00
Extract Volum	ne:	(µl)			

Number	TICs	found:	
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CONCENTRATION UNITS:

UG/L

3

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
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FORM I TIC 4 SW8260B

Life Science Laboratories, Inc.

E	ast Syracuse, NY 1305	7 (315)	445-1105		StateCertNo: 10248
CLIENT Project:	EA Engineering Scienc DEC- Autohaus	e and Technol	ogy	Lab ID: Client Sample ID:	K1012255-005A 828084-MW-08D
W Order: Matrix:	K1012255 GROUNDWATER			Collection Date: Date Received:	12/22/10 12:40 12/23/10 8:23
Inst. ID: ColumnID: Revision: Col Type:	MS04_73 Rtx-VMS 01/03/11 7:34	Sample Size %Moisture: TestCode:	10 mL 8260W_OLM42	PrepDate: BatchNo: FileID:	R21279 1-SAMP-R7630.D

Analyte		Result Qua	I PQL	MDL	Units	DF	Date Analyzed
VOLATILE OR	GANIC COMPOUNDS	BY GC/MS			SW826	08	
Dichlorodifluorome	ethane	ND	1.00	0.10	µg/L	1	12/30/10 10:15
Chloromethane		ND	1,00	0.33	µg/L	1	12/30/10 10:15
Vinyl chloride		ND	1.00	0.33	µg/L	1	12/30/10 10:15
Bromomethane		ND	1.00	0.33	μ g /L	1	12/30/10 10 15
Chloroethane		ND	1.00	0.33	µg/L	1	12/30/10 10:15
Trichlorofluoromet	hane	ND	1.00	0.10	µg/L	1	12/30/10 10:15
1,1-Dichloroethen	e	ND	0.50	0.16	μg/L	1	12/30/10 10:15
1,1,2-Trichloro-1,2	2,2-trifluoroethane	NĎ	0.50	0.10	µg/L	1	12/30/10 10:15
Acetone		ND	10.0	1,00	µg/L	1	12/30/10 10:15
Carbon disulfide		ND	0.50	0.11	μg/L	1	12/30/10 10:15
Methyl acetate		ND	5.00	1.00	µg/L	1	12/30/10 10:15
Methylene chloride	e	ND	2.00	0.16	µg/L	1	12/30/10 10:15
trans-1.2-Dichloro	ethene	ND	0.50	0.10	µg/L	1	12/30/10 10:15
Methyl tert-butyl e	ther	ND	1.00	0.16	µg/L	1	12/30/10 10:15
1,1-Dichloroethan	e	ND	0.50	0.10	µg/L	1	12/30/10 10:15
cis-1.2-Dichloroet	hene	ND	0.50	0.10	μg/L	1	12/30/10 10:15
2-Butanone		ND	10.0	1.00	µg/L	1	12/30/10 10:15
Chloroform		0.19 J	0.50	0.10	μg/L	1	12/30/10 10:15
1.1.1-Trichloroeth	ane	ND	0.50	0.10	µg/L	1	12/30/10 10:15
Cvclohexane		ND	0.50	0.10	µg/L	1	12/30/10 10:15
Carbon tetrachlori	de	ND	0.50	0.10	µg/L	1	12/30/10 10:15
Benzene		ND	0.50	0.10	µg/L	1	12/30/10 10:15
1.2-Dichloroethan	e	ND	0.50	0.16	µg/L	1	12/30/10 10:15
Trichloroethene		ND	0.50	0.10	µg/L	1	12/30/10 10:15
Methylcyclohexan	e	ND	0.50	0.10	µg/L	1	12/30/10 10:15
1.2-Dichloropropa	ine	ND	0.50	0.16	µg/L	1	12/30/10 10:15
Bramodichlorome	thane	0,15 J	0.50	0.10	μg/L	1	12/30/10 10:15
cis-1.3-Dichloropr	ropene	ND	0.50	0.16	µg/L	1	12/30/10 10:15
4-Methyl-2-pentar	none	ND	5.00	1.00	µg/L	1	12/30/10 10:15
Toluene		ND	0.50	0.10	µg/L	1	12/30/10 10:15
trans-1.3-Dichloro	propene	ND	0.50	0.16	μg/L	1	12/30/10 10:15
1.1.2-Trichloroeth	ane	ND	0.50	0.16	μg/L	1	12/30/10 10:15
Tetrachloroethene	2	ND	0.50	0.10	μg/L	1	12/30/10 10:15
2-Hexanone		ND	5.00	1.00	µg/L	1	12/30/10 10:15
Oualifiers:	* Value exceeds Maximu	m Contaminant Level		B Analyte detected in the associated Method Blank			lethod Blank
	E Value exceeds the instru	ument calibration rang	;e	H Holding	times for prepa	ration or an	ilysis exceeded
	J Analyte detected below	the PQL		ND Not Dete	cted at the Pra	ctical Quant	itation Limit (PQL)
	P Prim./Conf. column %I) or RPD exceeds limi	t	S Spike Re	covery outside	accepted re	covery limits

Life Science Laboratories, Inc.

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E	Last Syracuse, NY 1305	7 (315)	445-1105	S	StateCertNo: 10248
CLIENT Project:	EA Engineering Scienc DEC- Autohaus	e and Technol	ogy	Lab ID: Client Sample ID:	K1012255-005A 828084-MW-08D
W Order: Matrix:	K1012255 GROUNDWATER			Collection Date: Date Received:	12/22/10 12:40 12/23/10 8:23
Inst. ID: ColumnID: Revision:	MS04_73 Rtx-VMS 01/03/11 7:34	Sample Size %Moisture: TestCode:	10 mL 8260W_OLM42	PrepDate: BatchNo: FileID:	R21279 I-SAMP-R7630.D
Col Type:					

Analyte	Result Qu	al PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUN	IDS BY GC/MS			SW826	08	
Dibromochloromethane	1,31	0.50	0.10	µg/L	1	12/30/10 10:15
1.2-Dibromoethane	ND	0.50	0.16	µg/L	1	12/30/10 10:15
, Chlorobenzene	ND	0.50	0.10	µg/L	1	12/30/10 10:15
Ethylbenzene	ND	0,50	0.10	µg/L	1	12/30/10 10:15
Xvlenes (total)	ND	1.00	0.30	µg/L	1	12/30/10 10:15
Styrene	ND	0.50	0.10	µg/L	1	12/30/10 10:15
Bromoform	ND	1.00	0.33	µg/L	1	12/30/10 10:15
Isopropylbenzene	ND	0.50	0.10	µg/L	1	12/30/10 10:15
1.1.2.2-Tetrachloroethane	ND	0.50	0.10	µg/L	1	12/30/10 10:15
1 3-Dichlorobenzene	ND	0,50	0.10	µg/L	1	12/30/10 10:15
1 4-Dichlorobenzene	ND	0.50	0.16	µg/L	1	12/30/10 10:15
1 2-Dichlorobenzene	ND	0.50	0.10	µg/L	1	12/30/10 10:15
1 2-Dibromo-3-chloropropane	ND	5.00	1.00	µg/L	1	12/30/10 10:15
1 2 4-Trichlorobenzene	ND	1.00	0.10	µg/L	1	12/30/10 10:15
Surr: 1.2-Dichloroethane-d4	118	75-128	0.16	%REC	1	12/30/10 10:15
Surr: Toluene-d8	112	75-125	0.10	%REC	1	12/30/10 10:15
Surr: 4-Bromofluorobenzene	106	75-125	0.10	%REC	1	12/30/10 10:15

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

CLIENT S	SAMPLE	NO.
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Volatile Organic Compounds by GC/MS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

Form 1 TIC

Lab Name: Li	ife Science L	aboratories, Inc.	Contract	t:	828084-MW-08D
Lab Code: LS	SLB	Case No.: <u>EA</u>	SAS No.: _	SDG No	.: <u>K1012255</u>
Matrix: (soil/w	vater)	WATER		Lab Sample ID:	<u>K1012255-005A</u>
Sample wt/vol:	10	(g/mL) <u>ML</u>		Lab File ID:	R7630.D
Level: LOW	r			Date Received:	12/23/2010
% Moisture: not	dec.			Date Analyzed:	12/30/2010
GC Column: <u>Rtx</u>	-VMS I	D: <u>0,25</u> (mm)		Dilution Factor:	1.00
Extract Volume:	:	(µl)			

Number TICs found:		0	CONCENTRATI	ON UNITS:	UG/L	
	CAS NUMBER		COMPOUND NAME	RT	EST.CONC.	Q
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LSL 5854 Butternut Drive

E	ast Syracuse, NY 1305	7 (315)	445-1105	5	StateCertNo: 10248
CLIENT Project:	EA Engineering Scienc DEC- Autohaus	e and Technol	ogy	Lab ID: Client Sample ID:	K1012255-006A 828084-MW-11
W Order: Matrix:	K1012255 GROUNDWATER			Collection Date: Date Received:	12/22/10 13:15 12/23/10 8:23
Inst. ID: ColumnID: Revision:	MS04_73 Rtx-VMS 01/03/11 7:34	Sample Size %Moisture: TestCode:	10 mL 8260W_OLM42	PrepDate: BatchNo: FileID:	R21279 1-SAMP-R7637.D
Col Type:					

Analyte			Result Qua	I PQL	M	DL	Units	DF	Date Analyzed
VOLATILE OR	GAN	IC COMPOUNDS I	BY GC/MS				SW826)B	
Dichlorodifluorom	ethane	•	ND	1.00	0.1	0	µg/L	1	12/30/10 13:49
Chioromethane			ND	1.00	0.3	3	μg/L	1	12/30/10 13:49
Vinyl chloride			ND	1.00	0.3	3	µg/L	1	12/30/10 13:49
Bromomethane			ND	1.00	0.3	3	µg/L	1	12/30/10 13:49
Chloroethane			ND	1.00	0.3	3	µg/L	1	12/30/10 13:49
Trichlorofluorome	thane		ND	1.00	0.1	0	µg/L	1	12/30/10 13:49
1,1-Dichloroethen	e		ND	0.50	0.1	6	µg/L	1	12/30/10 13:49
1,1,2-Trichloro-1,3	2,2-trif	luoroethane	ND	0.50	0.1	0	µg/L	1	12/30/10 13:49
Acetone	•		ND	10.0	1.0	0	µg/L	1	12/30/10 13:49
Carbon disulfide			ND	0.50	0.1	1	µg/L	1	12/30/10 13:49
Methyl acetate			ND	5.00	1.0	0	µg/L	1	12/30/10 13:49
Methylene chlorid	le		ND	2.00	0.1	6	μg/L	1	12/30/10 13:49
trans-1,2-Dichloro	oethen	e	ND	0.50	0,1	0	µg/L	1	12/30/10 13:49
Methyl tert-butyl e	ther		ND	1.00	0.1	6	µg/L	1	12/30/10 13:49
1,1-Dichloroethan	ne		ND	0.50	0.1	0	μg/L	1	12/30/10 13:49
cis-1,2-Dichloroet	thene		ND	0.50	0.1	0	µg/L	1	12/30/10 13:49
2-Butanone			ND	10.0	1.0	10	μg/L	1	12/30/10 13:49
Chloroform			ND	0.50	0.1	0	µg/L	1	12/30/10 13:49
1,1,1-Trichloroeth	nane		ND	0.50	0.1	0	μg/L	1	12/30/10 13:49
Cyclohexane			ND	0.50	0.1	0	µg/L	1	12/30/10 13:49
Carbon tetrachlor	ide		ND	0.50	0.1	0	µg/L	1	12/30/10 13:49
Benzene			ND	0.50	0.1	0	µg/L	1	12/30/10 13:49
1,2-Dichloroethar	ne		ND	0.50	0.1	6	µg/L	1	12/30/10 13:49
Trichloroethene			ND	0.50	0.1	0	μg/L	1	12/30/10 13:49
Methylcyclohexar	ne		ND	0.50	0.1	0	μg/L	1	12/30/10 13:49
1,2-Dichloropropa	ane		ND	0.50	0.1	6	µg/L	1	12/30/10 13:49
Bromodichlorome	ethane		ND	0.50	0.1	0	μg/L	1	12/30/10 13:49
cis-1,3-Dichlorop	ropene	9	ND	0.50	0.1	6	μg/L	1	12/30/10 13:49
4-Methyl-2-pental	none		ND	5.00	1.0	00	µg/L	1	12/30/10 13:49
Toluene			0.13 J	0.50	0.1	10	µg/L	1	12/30/10 13:49
trans-1,3-Dichlore	oprope	ne	ND	0.50	0.1	6	µg/L	1	12/30/10 13:49
1,1,2-Trichloroeth	hane		ND	0.50	0.1	6	μg/L	1	12/30/10 13:49
Tetrachloroethen	e		ND	0.50	0.1	0	μg/L	1	12/30/10 13:49
2-Hexanone			ND	5.00	1.0	00	µg/L	1	12/30/10 13:49
Oualifiers:	* V	alue exceeds Maximum	Contaminant Level		В	Analyte	detected in the	associated N	fethod Blank
-	E V	alue exceeds the instrum	ent calibration rang	e	н	Holding	times for prepa	ration or an	alysis exceeded
	J A	nalyte detected below th	e PQL		ND	Not Dete	cted at the Pra	ctical Quant	itation Limit (PQL)
	P P	rim./Conf. column %D o	r RPD exceeds limi	t	S	Spike Re	covery outside	accepted re	covery limits

LSL 5854 Butternut Drive

SL	5854	Butternut	Drive
1 .7L /	2924	Dutternut	Drive

	East Syracuse, NY 1305	i7 (315)	445-1105	5	StateCertNo: 10248
CLIENT Project:	EA Engineering Scienc DEC- Autohaus	e and Technol	ogy	Lab ID: Client Sample ID:	K1012255-006A 828084-MW-11
W Order: Matrix:	K1012255 GROUNDWATER			Collection Date: Date Received:	12/22/10 13:15 12/23/10 8:23
Inst. ID: ColumnID Revision:	MS04_73 : Rtx-VMS 01/03/11 7:34	Sample Size %Moisture: TestCode:	10 mL 8260W OLM42	PrepDate: BatchNo: FileID:	R21279 1-SAMP-R7637.D
Col Type:			_		

Analyte	Result Qu	al PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUN	IDS BY GC/MS			SW826	0В	
Dibromochloromethane	ND	0.50	0.10	µg/L	1	12/30/10 13:49
1,2-Dibromoethane	ND	0.50	0.16	µg/L	1	12/30/10 13:49
Chiorobenzene	ND	0.50	0.10	µg/L	1	12/30/10 13:49
Ethylbenzene	ND	0.50	0.10	µg/L	1	12/30/10 13:49
Xvienes (total)	ND	1.00	0.30	µg/L	1	12/30/10 13:49
Styrene	ND	0.50	0.10	µg/L	1	12/30/10 13:49
Bromoform	ND	1.00	0.33	µg/L	1	12/30/10 13:49
Isopropylbenzene	ND	0.50	0.10	µg/L	1	12/30/10 13:49
1.1.2.2-Tetrachloroethane	ND	0.50	0.10	µg/L	1	12/30/10 13:49
1.3-Dichlorobenzene	ND	0.50	0.10	µg/L	1	12/30/10 13:49
1.4-Dichlorobenzene	ND	0.50	0.16	µg/L	1	12/30/10 13:49
1 2-Dichlorobenzene	ND	0.50	0.10	µg/L	1	12/30/10 13:49
1 2-Dibromo-3-chloropropane	ND	5.00	1.00	µg/L	1	12/30/10 13:49
1 2 4-Trichlorobenzene	ND	1.00	0.10	µg/L	1	12/30/10 13:49
Surr: 1.2-Dichloroethane-d4	117	75-128	0.16	%REC	1	12/30/10 13:49
Surr: Toluene-d8	109	75-125	0.10	%REC	1	12/30/10 13:49
Surr: 4-Bromofluorobenzene	107	75-125	0.10	%REC	1	12/30/10 13:49

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

Volatile Organic Compounds by GC/MS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

Form 1 TIC

Lab Name: Life	Science Laborat	ories, Inc.	Contract:		828084-MW-11
Lab Code: <u>LSLB</u>	Case N	o.: <u>EA</u> S <i>F</i>	AS No.:	SDG No	.: <u>K1012255</u>
Matrix: (soil/wate	er) <u>WATER</u>		L	ab Sample ID:	K1012255-006A
Sample wt/vol:	<u>10</u> (g/m	nL) <u>ML</u>	L	ab File ID:	R7637.D
Level: LOW			D	ate Received:	12/23/2010
ቶ Moisture: not d	ec.		E	ate Analyzed:	12/30/2010
GC Column: <u>Rtx-VM</u>	<u>45</u> ID: <u>0.2</u>	5 (mm)	D)ilution Factor:	1.00
Extract Volume:		(µl)			

Number TICs found:

CONCENTRATION UNITS:

0

<u>UG/L</u>

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
			L	

Life Science Laboratories, Inc.

ς	I	5854	Butternut	Drive
		 0004	DULLEIBUL	DIIYC

E	ast Syracuse, NY 1305	7 (315)	445-1105	5	StateCertNo: 10248
CLIENT Project:	EA Engineering Scienc DEC- Autohaus	e and Technol	ogy	Lab ID: Client Sample ID:	K1012255-007A 828084-MW-12
W Order: Matrix:	K1012255 GROUNDWATER			Collection Date: Date Received:	12/22/10 13:45 12/23/10 8:23
Inst. ID: ColumnID: Revision:	MS04_73 Rtx-VMS 01/03/11 7:34	Sample Size %Moisture: TestCode:	10 mL 8260W_OLM42	PrepDate: BatchNo: FileID:	R21279 1-SAMP-R7638.D
Col Type:					

Analyte			Result Qual	PQL	M	DL	Units	DF	Date Analyzed	
VOLATILE OF	RGA	NIC COMPOUND	S BY GC/MS				SW8260	в		
Dichlorodifluorom	netha	ne	0.19 J	1.00	0.1	0	µg/L	1	12/30/10 14:19	
Chloromethane			ND	1.00	0.3	3	μg/L	1	12/30/10 14:19	
Vinyl chloride			ND	1.00	0.3	3	µg/L	1	12/30/10 14:19	
Bromomethane			ND	1.00	0.3	3	µg/L	1	12/30/10 14:19	
Chloroethane			ND	1.00	0.3	3	µg/L	1	12/30/10 14:19	
Trichlorofluorome	ethar	e	ND	1.00	0.1	0	µg/L	1	12/30/10 14:19	
1,1-Dichloroether	пе		ND	0.50	0.1	6	µg/L	1	12/30/10 14:19	
1,1,2-Trichloro-1,	,2,2-1	trifluoroethane	ND	0.50	0.1	0	µg/L	1	12/30/10 14:19	
Acetone			ND	10.0	1.0	0	µg/L	1	12/30/10 14:19	
Carbon disulfide			ND	0.50	0.1	1	µg/L	1	12/30/10 14.19	
Methyl acetate			ND	5,00	1.0	0	µg/L	1	12/30/10 14:19	
Methylene chlorid	de		ND	2.00	0.1	6	µg/L	1	12/30/10 14:19	
trans-1,2-Dichlor	oeth	ene	ND	0.50	0.1	0	μg/L	1	12/30/10 14:19	
Methyl tert-butyl	ether		ND	1.00	0.1	6	μg/L	1	12/30/10 14:19	
1,1-Dichloroetha	ne		ND	0.50	0.1	0	µg/L	1	12/30/10 14:19	
cis-1,2-Dichloroe	ethen	e	ND	0.50	0.1	0	µg/L	1	12/30/10 14:19	
2-Butanone		ND	10.0	1.0	0	µg/L	1	12/30/10 14:19		
Chloroform		ND	0.50	0.1	0	µg/L	1	12/30/10 14:19		
1,1,1-Trichloroethane		ND	0.50	0.1	0	µg/L	1	12/30/10 14:19		
Cyclohexane		ND	0.50	0.1	0	µg/L	1	12/30/10 14:19		
Carbon tetrachloride		ND	0.50	0.1	0	μg/L	1	12/30/10 14:19		
Benzene		ND	0.50	0.1	0	µg/L	1	12/30/10 14:19		
1,2-Dichloroetha	ne		ND	0.50	0.1	6	µg/L	1	12/30/10 14:19	
Trichloroethene			ND	0.50	0.1	0	µg/L	1	12/30/10 14:19	
Methylcyclohexa	ne		ND	0.50	0.1	0	µg/L	1	12/30/10 14:19	
1,2-Dichloroprop	ane		ND	0.50	0.1	6	µg/L	1	12/30/10 14:19	
Bromodichlorom	ethai	ne	ND	0.50	0.1	0	µg/L	1	12/30/10 14:19	
cis-1,3-Dichlorop	prope	ene	ND	0.50	0.1	6	µg/L	1	12/30/10 14:19	
4-Methyl-2-penta	anone	9	ND	5.00	1.0	00	µg/L	1	12/30/10 14:19	
Toluene			ND	0.50	0.1	0	µg/L	1	12/30/10 14:19	
trans-1,3-Dichlor	ropro	pene	ND	0.50	0.1	6	µg/L	1	12/30/10 14:19	
1.1.2-Trichloroethane		ND	0.50	0.1	6	µg/L	1	12/30/10 14:19		
Tetrachloroethene		ND	0.50	0.1	0	µg/L	1	12/30/10 14:19		
2-Hexanone			ND	5.00	1.0	00	µg/L	1	12/30/10 14:19	
Oualifiers:	*	Value exceeds Maximum Contaminant Level			В	Ana	Analyte detected in the associated Method Blank			
*	E	Value exceeds the instrument calibration range			Н	Holding times for preparation or analysis exceeded				
	J	Analyte detected below the PQL			ND	Not Detected at the Practical Quantitation Limit (PQL)				
	Р	Prim./Conf. column %D or RPD exceeds limit				Spike Recovery outside accepted recovery limits				

Life Science Laboratories, Inc. 5854 Butternut Drive

E	ast Syracuse, NY 1305	7 (315)	445-1105	<u> </u>	StateCertNo: 10248
CLIENT Project:	EA Engineering Science DEC- Autohaus	e and Technol	ogy	Lab ID: Client Sample ID:	K1012255-007A 828084-MW-12
W Order: Matrix:	K1012255 GROUNDWATER			Collection Date: Date Received:	12/22/10 13:45 12/23/10 8:23
Inst. ID: ColumnID: Revision:	MS04_73 Rtx-VMS 01/03/11 7:34	Sample Size %Moisture: TestCode:	10 mL 8260W_OLM42	PrepDate: BatchNo: FileID:	R21279 1-SAMP-R7638.D
Col Type:			_		

Analyte	Result Qu	al PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUN	DS BY GC/MS		SW8260B			
Dibromochloromethane	ND	0.50	0.10	µg/L	1	12/30/10 14:19
1,2-Dibromoethane	ND	0.50	0.16	µg/L	1	12/30/10 14:19
Chlorobenzene	ND	0.50	0.10	µg/L	1	12/30/10 14:19
Ethylbenzene	ND	0.50	0.10	µg/L	1	12/30/10 14:19
Xylenes (total)	ND	1.00	0.30	µg/L	1	12/30/10 14:19
Styrene	ND	0.50	0.10	µg/L	1	12/30/10 14:19
Bromoform	ND	1.00	0.33	µg/L	1	12/30/10 14:19
Isopropylbenzene	ND	0.50	0.10	μg/L	1	12/30/10 14:19
1.1.2.2-Tetrachloroethane	ND	0.50	0.10	µg/L	1	12/30/10 14:19
1.3-Dichlorobenzene	ND	0.50	0.10	µg/L	1	12/30/10 14:19
1.4-Dichlorobenzene	ND	0.50	0.16	µg/L	1	12/30/10 14:19
1.2-Dichlorobenzene	ND	0.50	0.10	µg/L	1	12/30/10 14:19
1.2-Dibromo-3-chloropropane	ND	5.00	1.00	µg/L	1	12/30/10 14:19
1.2 4-Trichlorabenzene	ND	1.00	0.10	µg/L	1	12/30/10 14:19
Surr 1 2-Dichloroethane-d4	117	75-128	0.16	%REC	1	12/30/10 14:19
Surr: Toluene-d8	111	75-125	0.10	%REC	1	12/30/10 14:19
Surr: 4-Bromofluorobenzene	106	75-125	0.10	%REC	1	12/30/10 14:19

Qualifiers:	*	Value exceeds Maximum Contaminant Level	В	Analyte detected in the associated Method Blank		
	E	2 Value exceeds the instrument calibration range		Holding times for preparation or analysis exceeded		
	J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQI		
	Р	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits		

Volatile Organic Compounds by GC/MS ANALYSIS DATA SHEET									
Lab Name:	Life Science	Laboratories, Inc.	Contract		828084-MW-12				
Lab Code:	LSLB	Case No.: <u>EA</u>	SAS No.: _	SDG No	.: <u>K1012255</u>				
Matrix: (soil	/water)	WATER		Lab Sample ID:	K1012255-007A				
Sample wt/vol	L: <u>10</u>	(g/mL) ML		Lab File ID:	<u>R7638.D</u>				
Level: L	OW			Date Received:	<u>12/23/2010</u>				
% Moisture: r	not dec.			Date Analyzed:	12/30/2010				
GC Column: <u>R</u>	tx-VMS	ID: 0.25 (mm)		Dilution Factor:	1.00				
Extract Volum	ne:	(µl)							

Form 1 TIC

er TICs found:	0	CONCENTRATION	UNITS:	<u>UG/L</u>	
CAS NUMBER		COMPOUND NAME	RT	EST.CONC.	Q

FORM I TIC 9

SW8260B

CLIENT SAMPLE NO.
Life Science Laboratories, Inc.

Analytical Results

E	ast Syracuse, NY 1305	7 (315)	445-1105	5	StateCertNo: 10248
CLIENT Project:	EA Engineering Scienc DEC- Autohaus	e and Technol	ogy	Lab ID: Client Sample ID:	K1012255-008A 828084-MW-DUP
W Order: Matrix:	K1012255 GROUNDWATER			Collection Date: Date Received:	12/22/10 0:00 12/23/10 8:23
Inst. ID: ColumnID: Revision: Col Type:	MS04_73 Rtx-VMS 01/03/11 7:34	Sample Size %Moisture: TestCode:	10 mL 8260W_OLM42	PrepDate: BatchNo: FileID:	R21279 1-SAMP-R7639.D

Analyte		Result Qu	al PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORG		SW826	0B				
Dichlorodifluorometh	hane	ND	1.00	0.10	µg/L	1	12/30/10 14:49
Chloromethane		ND	1.00	0.33	µg/L	1	12/30/10 14:49
Vinyl chloride		ND	1.00	0.33	µg/L	1	12/30/10 14:49
Bromomethane		ND	1.00	0.33	µg/L	1	12/30/10 14:49
Chloroethane		ND	1.00	0.33	µg/L	1	12/30/10 14:49
Trichlorofluorometha	ane	ND	1.00	0.10	µg/L	1	12/30/10 14:49
1,1-Dichloroethene		ND	0.50	0.16	μg/L	1	12/30/10 14:49
1,1,2-Trichloro-1,2,2	2-trifluoroethane	ND	0.50	0.10	μg/L	1	12/30/10 14:49
Acetone		ND	10.0	1.00	µg/L	1	12/30/10 14:49
Carbon disulfide		ND	0.50	0.11	µg/L	1	12/30/10 14:49
Methyl acetate		ND	5.00	1.00	µg/L	1	12/30/10 14:49
Methylene chloride		ND	2.00	0.16	μg/L	1	12/30/10 14:49
trans-1_2-Dichloroet	ihene	ND	0.50	0.10	µg/L	1	12/30/10 14:49
Methyl tert-butyl eth	er	ND	1.00	0.16	µg/L	1	12/30/10 14:49
1,1-Dichloroethane		0.25 J	0.50	0.10	µg/L	1	12/30/10 14:49
cis-1,2-Dichloroethe	ene	0.27 J	0.50	0.10	µg/L	1	12/30/10 14:49
2-Butanone		ND	10.0	1.00	µg/L	1	12/30/10 14:49
Chloroform		ND	0.50	0.10	µg/L	1	12/30/10 14:49
1,1,1-Trichloroethar	ne	ND	0.50	0.10	µg/L	1	12/30/10 14:49
Cyclohexane		ND	0.50	0.10	µg/L	1	12/30/10 14:49
Carbon tetrachloride	e	ND	0.50	0.10	µg/L	1	12/30/10 14:49
Benzene		ND	0.50	0.10	µg/L	1	12/30/10 14:49
1,2-Dichloroethane		ND	0.50	0.16	µg/L	1	12/30/10 14:49
Trichloroethene		0.55	0.50	0.10	µg/L	1	12/30/10 14:49
Methylcyclohexane		ND	0.50	0.10	µg/L	1	12/30/10 14:49
1,2-Dichloropropane	e	ND	0.50	0.16	µg/L	1	12/30/10 14:49
Bromodichlorometh	ane	ND	0.50	0.10	µg/L	1	12/30/10 14:49
cis-1,3-Dichloroprop	pene	ND	0.50	0.16	µg/L	1	12/30/10 14:49
4-Methyl-2-pentanol	ne	ND	5.00	1.00	μg/L	1	12/30/10 14:49
Toluene		ND	0.50	0.10	µg/L	1	12/30/10 14:49
trans-1_3-Dichloropi	ropene	ND	0.50	0.16	µg/L	1	12/30/10 14:49
1,1,2-Trichloroethar	ne	ND	0.50	0.16	µg/L	1	12/30/10 14:49
Tetrachloroethene		1.87	0.50	0.10	µg/L	1	12/30/10 14:49
2-Hexanone		ND	5.00	1.00	μg/L	1	12/30/10 14:49
Qualifiers:	Value exceeds Maximu	ım Contaminant Level		B Analyte	detected in the a	issociated M	ethod Blank
E	Value exceeds the instr	ument calibration rang	çe	H Holding	times for prepar	ration or ana	lysis exceeded
J	Analyte detected below	the PQL		ND Not Det	ected at the Prac	tical Quanti	tation Limit (PQL)
P	Prim./Conf. column %l	D or RPD exceeds lim	it	S Spike R	ecovery outside	accepted rec	overy limits

Life Science Laboratories, Inc.

Analytical Results

E	ast Syracuse, NY 1305	(315)	445-1105	S	StateCertNo: 10248
CLIENT Project:	EA Engineering Scienc DEC- Autohaus	e and Technol	ogy	Lab ID: Client Sample ID:	K1012255-008A 828084-MW-DUP
W Order: Matrix:	K1012255 GROUNDWATER			Collection Date: Date Received:	12/22/10 0:00 12/23/10 8:23
Inst. ID: ColumnID: Revision:	MS04_73 Rtx-VMS 01/03/11 7:34	Sample Size %Moisture: TestCode:	10 mL 8260W_OLM42	PrepDate: BatchNo: FileID:	R21279 1-SAMP-R7639.D
Col Type:					

Analyte	Result Qual PQL		MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUND	S BY GC/MS			SW826	0B	
Dibromochloromethane	ND	0.50	0.10	µg/L	1	12/30/10 14:49
1,2-Dibromoethane	ND	0.50	0.16	µg/L	1	12/30/10 14:49
Chlorobenzene	ND	0.50	0.10	µg/L	1	12/30/10 14:49
Ethylbenzene	ND	0.50	0.10	μg/L	1	12/30/10 14:49
Xylenes (total)	ND	1.00	0.30	µg/L	1	12/30/10 14:49
Styrene	ND	0.50	0.10	µg/L	1	12/30/10 14:49
Bromoform	ND	1.00	0.33	µg/L	1	12/30/10 14:49
Isopropylbenzene	ND	0.50	0.10	µg/L	1	12/30/10 14:49
1,1,2,2-Tetrachloroethane	ND	0.50	0.10	µg/L	1	12/30/10 14:49
1,3-Dichlorobenzene	0.39 J	0.50	0.10	µg/L	1	12/30/10 14:49
1,4-Dichlorobenzene	1.87	0.50	0.16	µg/L	1	12/30/10 14:49
1,2-Dichlorobenzene	0.71	0.50	0.10	μg/L	1	12/30/10 14:49
1,2-Dibromo-3-chloropropane	ND	5.00	1.00	µg/L	1	12/30/10 14:49
1,2,4-Trichlorobenzene	ND	1.00	0.10	µg/L	1	12/30/10 14:49
Surr: 1,2-Dichloroethane-d4	117	75-128	0.16	%REC	1	12/30/10 14:49
Surr: Toluene-d8	111	75-125	0.10	%REC	1	12/30/10 14:49
Surr: 4-Bromofluorobenzene	104	75-125	0.10	%REC	1	12/30/10 14:49

Qualifiers:	*	Value exceeds Maximum Contaminant Level	В	Analyte detected in the associated Method Blank
2000000	Е	Value exceeds the instrument calibration range	Н	Holding times for preparation or analysis exceeded
	J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
	Р	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

Lab Name:	Life Science :	Laboratories, Inc.	Contrac	t:	828084-MW-DUP
Lab Code:	LSLB	Case No.: <u>EA</u>	SAS No.: _	SDG No	х.: <u>к1012255</u>
Matrix: (soil	/water)	WATER		Lab Sample ID:	K1012255-008A
Sample wt/vol	.: <u>10</u>	(g/mL) <u>ML</u>		Lab File ID:	R7639.D
Level: L	OW			Date Received:	12/23/2010
% Moisture: r	not dec.			Date Analyzed:	12/30/2010
GC Column: <u>R</u>	tx-VMS	ID: <u>0.25</u> (mm)		Dilution Factor:	1.00
Extract Volum	ne:	(µl)			

Number TICs found:

6

CONCENTRATION UNITS:

UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
	unknown 18.350	18.35	1.17	J
2	unknown 18.970	18.97	1.32	J
3 .	unknown 19.850	19.85	1.94	J
4,000527-84-4	Benzene, 1-methyl-2-(1-methyle	20.41	1.20	JN
5	unknown 20.550	20.55	1.06	J
6.	unknown 21.090	21.09	1.39	J

Life Science Laboratories, Inc. 5854 Butternut Drive

Analytical Results

E	ast Syracuse, NY 1305	7 (315)	445-1105	<u> </u>	StateCertNo: 10248
CLIENT Project:	EA Engineering Scienc DEC- Autohaus	e and Technol	ogy	Lab ID: Client Sample ID:	K1012255-009A Trip Blank
W Order: Matrix: Inst. ID:	K1012255 WATER Q MS04_73	Sample Size	10 mL	Collection Date: Date Received: PrepDate:	12/22/10 9:40 12/23/10 8:23
ColumnID: Revision: Col Type:	Rtx-VMS 01/03/11 7:34	%Moisture: TestCode:	8260W_OLM42	BatchNo: FileID:	R21279 1-SAMP-R7640.D

Analyte			Result Q	ual PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						SW826	0B	
Dichlorodifluoron	neth	ane	ND	1.00	0.10	µg/L	1	12/30/10 15:19
Chloromethane			ND	1.00	0.33	µg/L	1	12/30/10 15:19
Vinyl chloride			ND	1.00	0.33	µg/L	1	12/30/10 15:19
Bromomethane			ND	1.00	0.33	µg/L	1	12/30/10 15:19
Chloroethane			ND	1.00	0.33	µg/L	1	12/30/10 15:19
Trichlorofluorom	etha	ne	ND	1.00	0.10	µg/L	1	12/30/10 15:19
1,1-Dichloroethe	ne		ND	0.50	0.16	µg/L	1	12/30/10 15:19
1,1,2-Trichloro-1	,2,2	trifluoroethane	ND	0.50	0.10	µg/L	1	12/30/10 15:19
Acetone			ND	10.0	1.00	µg/L	1	12/30/10 15:19
Carbon disulfide	1		ND	0.50	0.11	µg/L	1	12/30/10 15:19
Methyl acetate			ND	5.00	1.00	μg/L	1	12/30/10 15:19
Methylene chlori	de		0.41 J	2.00	0.16	µg/L	1	12/30/10 15:19
trans-1,2-Dichlor	roeth	ene	ND	0,50	0.10	μg/L	1	12/30/10 15:19
Methyl tert-butyl	ethe	r	ND	1.00	0.16	μg/L	1	12/30/10 15:19
1,1-Dichloroetha	ine		ND	0.50	0.10	µg/L	1	12/30/10 15:19
cis-1,2-Dichloroe	ether	e	ND	0.50	0.10	µg/L	1	12/30/10 15:19
2-Butanone			ND	10.0	1.00	μg/L	1	12/30/10 15:19
Chloroform			0.13 J	0.50	0.10	μ g /L	1	12/30/10 15:19
1,1,1-Trichloroet	thane)	ND	0.50	0.10	µg/L	1	12/30/10 15:19
Cyclohexane			ND	0.50	0.10	µg/L	1	12/30/10 15:19
Carbon tetrachio	oride		ND	0.50	0.10	µg/L	1	12/30/10 15:19
Benzene			ND	0.50	0.10	µg/L	1	12/30/10 15:19
1,2-Dichloroetha	ine		ND	0.50	0.16	μg/L	1	12/30/10 15:19
Trichloroethene			ND	0.50	0.10	µg/L	1	12/30/10 15:19
Methylcyclohexa	ne		ND	0.50	0.10	µg/L	1	12/30/10 15:19
1,2-Dichloroprop	bane		ND	0.50	0.16	µg/L	1	12/30/10 15:19
Bromodichlorom	ietha	ne	ND	0.50	0.10	µg/L	1	12/30/10 15:19
cis-1,3-Dichloro	prop	ene	ND	0.50	0.16	µg/L	1	12/30/10 15:19
4-Methyl-2-penta	anon	e	ND	5.00	1.00	µg/L	1	12/30/10 15:19
Toluene			ND	0.50	0.10	µg/L	1	12/30/10 15:19
trans-1,3-Dichlo	ropro	pene	ND	0.50	0.16	µg/L	1	12/30/10 15:19
1,1,2-Trichloroet	thane	e	ND	0.50	0.16	µg/L	1	12/30/10 15:19
Tetrachloroether	ne		0.40 J	0.50	0.10	µg/L	1	12/30/10 15:19
2-Hexanone			ND	5.00	1.00	µg/L	1	12/30/10 15:19
Qualifiers:	*	Value exceeds Maximu	n Contaminant Lev	el	B Analyte	detected in the a	associated M	lethod Blank
-	Е	Value exceeds the instru	ment calibration ra	nge	H Holding times for preparation or analysis exceeded			
	J	Analyte detected below	the PQL		ND Not Det	ected at the Prac	ctical Quanti	tation Limit (PQL)
	Р	Prim./Conf. column %E	or RPD exceeds li	nit	S Spike R	ecovery outside	accepted rec	overy limits

Life Science Laboratories, Inc.

Analytical Results

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Е	ast Syracuse, NY 130	57 (315)	445-1105	S	StateCertNo: 10248
CLIENT Project:	EA Engineering Scien DEC- Autohaus	ce and Technol	ogy	Lab ID: Client Sample ID:	K1012255-009A Trip Blank
W Order: Matrix:	K1012255 WATER Q			Collection Date: Date Received:	12/22/10 9:40 12/23/10 8:23
Inst. ID: ColumnID: Revision:	MS04_73 Rtx-VMS 01/03/11 7:34	Sample Size %Moisture: TestCode:	10 mL 8260W OLM42	PrepDate: BatchNo: FileID:	R21279 1-SAMP-R7640.D
Col Type:					

Analyte	Result Qu	al PQL	MDL	Units	DF _	Date Analyzed
VOLATILE ORGANIC COMPOUN			SW826	0B		
Dibromochloromethane	ND	0.50	0.10	µg/L	1	12/30/10 15:19
1.2-Dibromoethane	ND	0.50	0.16	µg/L	1	12/30/10 15:19
Chlorobenzene	ND	0.50	0.10	µg/L	1	12/30/10 15:19
Ethylbenzene	ND	0.50	0.10	μ g /L	1	12/30/10 15:19
Xvlenes (total)	ND	1.00	0.30	µg/L	1	12/30/10 15:19
Styrene	ND	0.50	0.10	µg/L	1	12/30/10 15:19
Bramoform	ND	1.00	0.33	µg/L	1	12/30/10 15:19
Isopropylbenzene	ND	0.50	0.10	µg/L	1	12/30/10 15:19
1.1.2.2-Tetrachloroethane	ND	0.50	0.10	µg/L	1	12/30/10 15:19
1.3-Dichlorobenzene	ND	0.50	0.10	µg/L	1	12/30/10 15:19
1.4-Dichlarobenzene	ND	0.50	0.16	µg/L	1	12/30/10 15:19
1.2-Dichlorobenzene	ND	0.50	0.10	µg/L	1	12/30/10 15:19
1.2-Dibromo-3-chloropropane	ND	5,00	1.00	µg/L	1	12/30/10 15:19
1.2.4-Trichlorobenzene	ND	1.00	0.10	µg/L	1	12/30/10 15:19
Surr: 1.2-Dichloroethane-d4	116	75-128	0.16	%REC	1	12/30/10 15:19
Surr: Toluene-d8	111	75-125	0.10	%REC	1	12/30/10 15:19
Surr: 4-Bromofluorobenzene	104	75-125	0.10	%REC	1	12/30/10 15:19

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

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Volatile Organic Compounds by GC/MS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

Form 1 TIC

Lab Name: Life Science	Laboratories, Inc.	Contrac	t:	Trip Blank
Lab Code: LSLB	Case No.; <u>EA</u>	SAS No.: _	SDG NG	b.: <u>K1012255</u>
Matrix: (soil/water)	WATER		Lab Sample ID:	K1012255-009A
Sample wt/vol: 10	(g/mL) <u>ML</u>		Lab File ID:	<u>R7640.D</u>
Level: LOW			Date Received:	12/23/2010
% Moisture: not dec.			Date Analyzed:	12/30/2010
GC Column: <u>Rtx-VMS</u>	ID: <u>0.25</u> (mm)		Dilution Factor:	1.00
Extract Volume:	(µl)			

Number TICs f	found:	0	CONCENTRATION	UG/L		
C	AS NUMBER	COMPC	DUND NAME	RT	EST.CONC.	Q
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