2014 Periodic Review Report

January 2014 - December 2014

Autohaus of Rochester Site (828084)

Monroe County, Perinton, New York

This report was prepared by William B. Welling, Engineering Geologist 2, NYSDEC.
2014 data was provided by Haley & Aldrich
and
99 Marsh Road Real Estate Holdings LLC

March 2015

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

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List of Abbreviations

AWQS	ambient water quality standards
EA	EA Engineering, P.C. and its affiliate EA Science and Technology
EC	engineering control
GP	small-diameter (1") well
IC	institutional control
IRM	Interim remedial measure
LTM	long-term monitoring
MW	monitoring well
NYSDEC	New York State Department of Environmental Conservation
PRR	periodic review report
QA/QC	quality assurance / quality control
RAO	remedial action objectives
ROD	record of decision
SMP	site management plan
USEPA	United States Environmental Protection Agency

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Site ID No. 828084

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Executive Summary

The purpose of this periodic review report (PRR) is to provide certification and sufficient documentation that the remedy remains in place, is performing properly and effectively, and is protective of public health and the environment.

In April 2014, Mary Elizabeth Van Bortel, as agent for 99 Marsh Road Real Estate Holdings LLC signed a consent order, Index No. CO 8-20130828-76, that defined its role as a remediation volunteer. At approximately the same time, 99 Marsh Road Real Estate Holdings LLC also purchased the property from Pat Cortese, operating as "99 Marsh Road, LLC." Associated with the transfer of ownership, in August, Haley & Aldrich submitted on behalf of the new owner the "Supplemental Remedial Action Work Plan – Chemical Oxidation Injection" for the Autohaus site. Implementation of the work plan has continued through the remainder of 2014.

The former 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 currently listed by the NYSDEC as a Class 4 inactive hazardous waste site. 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.

The Record of Decision (ROD) 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. In 2014, groundwater samples were collected from nine monitoring wells and analyzed for VOCs. During the period from 2007 - 2014, two VOCs were detected at concentrations greater than NYSDEC Ambient Water Quality Standards (AWQS) with selected compounds sporadically detected at concentrations greater than their corresponding AWQS. Detected contaminant concentrations continue to gradually decline except at monitoring well GP-09 whose concentration of 1,2-dichlorobenzene is roughly the same from year to year.

1,2-dichlorobenzene at GP-09 remains above the groundwater standard. Based on groundwater monitoring results from Fall 2007 to Fall 2014, there is no indication that the concentrations of contaminants in groundwater at GP-09 are increasing or decreasing. Continuing groundwater monitoring is recommended pending outcome of the supplemental remediation intended to address 1,2-dichlorobenzene at GP-09.

Site Overview

The former Autohaus of Rochester site is currently listed by the NYSDEC as a Class 4 inactive hazardous waste site located at 99 Marsh Road in the Town of Perinton, NY (Figure 1). The property is zoned commercial. The 1.6 acre site property parcel is situated in two local municipalities: the Town of Perinton and the Village of East Rochester. Overlapping approximately twenty-five feet, the site straddles the East Rochester boundary on the west. East of the embankment on the western side, the Autohaus site is flat and contains an approximately 9,500 square foot former automobile showroom/service building. The Autohaus building and parking lots are used by the neighboring car dealership for vehicle storage. The westernmost twenty-five feet of the site are covered in brushy, scrub vegetation and the land rises abruptly twenty feet to the boundary of the Wells Landing housing development. All but a small area of grass in front of the building and the scrub-covered slope is paved.

The Autohaus of Rochester site was formerly a luxury car dealership. The East Rochester public water supply well field was formerly located on the adjacent parcel on the west side. After the well field was closed, the Village of East Rochester sold the thickly wooded land to a residential developer. In 2006 the woods were cleared and new home construction began.

In 1989 and 1990, subsurface investigations revealed the presence of VOCs in the groundwater adjacent to a drywell located beneath the parking area northwest of the Autohaus building. The drywell was connected to the shop floor drain in the 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.

The ROD prescribed a selected remedy of no further action with continued monitoring in order to confirm the decreasing trend of VOC concentrations in groundwater. In April 2014, new owners 99 Marsh Road Real Estate Holdings LLC signed a consent order that outlined its role as a volunteer in performing limited site management with additional remedial action beyond what was agreed to in the ROD. In April 99 Marsh Road Real Estate Holdings LLC also purchased the 99 Marsh Road property from Mr. Pat Cortese, the individual principal behind “99 Marsh Road, LLC.”

In August 2012, the VanBortels submitted “Supplemental Remedial Action Work Plan – Chemical Oxidation Injection” for the Autohaus site. Implementation of the scope started in 2014 and will continue into 2015.

Evaluation of Remedy Performance, Effectiveness, and Protectiveness

The remedy for this site consists of “no further action” combined with groundwater monitoring to confirm that there continues to be a trend of declining contaminant concentrations in groundwater. Additional remedial measures are being performed by the new owners to clean up the groundwater in an effort to allow the delisting of the site. During the 2014 certification period, the site remedy has remained protective of human health and the environment. Certification documentation is included as Appendix 1.

Status of Institutional Controls and Engineering Controls

The next several sections pertain to the two types of remedial controls at the Autohaus site. The certification of these controls is located in Appendix 1. An institutional control (IC) is a legal measure that limits human exposure by restricting activity, use, and access to properties with residual contamination. The IC at the Autohaus site is the site management plan (SMP) which provides detailed instructions for protective and proper care of the site. An engineering control (EC) is a physical means to eliminate or reduce exposure to a chemical or physical hazard through the use or substitution of engineered machinery or equipment. The Autohaus site uses a network of monitoring wells to access the groundwater in order to measure the height of the water level below ground and to take samples to characterize the groundwater quality.

Institutional Control

The site parcel bears Monroe County parcel ID number 152.13-3-4. The institutional control for the site parcel consists of the site management plan which includes a monitoring plan. The SMP was finalized on March 29, 2013.

The Record of Decision, 1998 (ROD), states, “the NYSDEC has selected no further action as the remedy for this site. The remedy will continue monitoring the groundwater to confirm the current trend of declining groundwater contaminant concentrations in the wells at the site.” This institutional control is still in effect in 2014. The Site Management Plan which contains the long-term monitoring plan is being adhered to for this parcel.

Engineering Control

A series of monitoring wells are used for long-term monitoring at the Autohaus site. As physical objects, these wells are the only engineered component of the remedy which requires inspection and maintenance periodically. There are nine wells in the network. Two of the monitoring wells in 2013 were in need repair or decommissioning. MW-08S had an obstruction below the water table which prevented a bailer or water sampling tubing from going down the well to remove water. This was not an issue in 2014; the well was accessible and successfully sampled.
The second well requiring maintenance in 2013 was GP-09. In 2014 this well received a new tight-fitting riser cap.

New monitoring wells MW-101 and MW-102 were added in August 2014. Soil Boring SB-04 was converted into a 2-inch diameter PVC monitoring well (MW-101) and SB-05 was converted into MW-102. Both wells were installed in 29.8 foot boreholes with 10 feet of 10-slot screen from 29.5 to 19.5 feet. The wells were completed with 8-inch flush mounted road boxes.

Groundwater Monitoring

Monitoring Well / Piezometer	Measuring Point Elevation (ft AMSL)	Water Elevation (ft AMSL)						
		October 2007	October 2008	April 2009	December 2010	October 2011	November 2013	September 2014
MW-01	419.24	410.21	410.04	410.84	409	410.05	409.53	409.74
MW-08S	420.4	408.14	407.77	410.4	408.26	409.1	408.36	407.94
MW-08D	421.13	405.71	405.13	406.93	405.25	406.19	405.71	405.79
MW-09	430.78	406.05	405.48	406.15	---(a)	---(a)	---(a)	---(a)
MW-10	418.13	409.53	409.12	410.83	408.47	409.46	408.81	409.48
GP-09	418.35	405.83	405.19	406.37	405.5	406.64	405.93	407.01
MW-11	417.45	---(b)	---(b)	---(b)	405.96	407.16	407.08	407.24
MW-12	417.93	---(b)	---(b)	---(b)	406.64	406.73	408.48	409.16
MW-101 (c)	418.35	---(d)	---(d)	---(d)	---(d)	---(d)	---(d)	406.09
MW-102 (c)	418.35	---(d)	---(d)	---(d)	---(d)	---(d)	---(d)	406.3

(a) Monitoring well MW-09 observed to be un-servicable during December 2010 gauging event.
(b) Monitoring wells MW-11 and MW-12 installed prior to December 2010 gauging event
(c) Monitoring wells MW-101 and MW-102 ground elevation is assumed to be the same as GP-09
(d) Monitoring wells MW-101 and MW-102 installed prior to September 2014 gauging event

NOTE: AMSL = Above mean sea level

Groundwater Analytical Data

Samples were collected on September 8, 2014, utilizing low flow techniques. The wells were purged using a bladder pump until aquifer parameters (pH, conductivity, dissolved oxygen, turbidity and ORP/eH) stabilized. Samples were collected and submitted to Paradigm Environmental Services, Inc. for analysis of VOCs using U.S. Environmental Protection Agency (USEPA) Method 8260C in accordance with the NYSDEC Analytical Services Protocol. Additional analysis was conducted for Iron (total and dissolved), sulfate and Total Organic Carbon (TOC) to assist in determining oxidant demand for the remedial enhancement.

Analytical results for aqueous and associated quality assurance/quality control (QA/QC) samples collected from site related monitoring wells were compared to NYSDEC AWQS and guidance

values from the Division of Water and Technical and Operational Guidance Series 1.1.1 (August 1999) for Class GA groundwater.

2014 Analytical Results

Analytical results for 2014 are tabulated on Table 7. Analytical results from each annual sampling event are summarized in Tables 1 through 7 and the 2014 detections in groundwater are mapped on Figure 4 and plotted over time on Figure 5. The primary contaminants of concern at this site are the volatile organic compounds (VOCs): acetone, methylene chloride, tetrachloroethene; l,l,l-trichloroethane; benzene; toluene; xylenes; ethylbenzene; and 1,2-dichlorobenzene. *Only two of these compounds were detected in groundwater in 2014.*

The contaminants of concern and a few others have been detected sporadically above their corresponding AWQS but only 1,2-dichlorobenzene has been consistently detected greater than the AWQS of 3 ug/l. In 2014 this compound was found in monitoring wells GP-09 and MW-102. MW-101 and MW-102 were installed in 2014. MW-102 showed 1,2-dichlorobenzene at 82.6 ug/l and 1,4-dichlorobenzene at 7.35 ug/l -- both at concentrations above the groundwater standard of 3 ug/l for each of them. Monitoring well MW-101 and the other eight wells showed no detectable volatile organic groundwater contamination. Of the two compounds detected in GP-09 in 2014, only 1,2-dichlorobenzene at a concentration of 24.7 ug/l exceeded the groundwater standard of 3 ug/l. The results are slightly lower than we have seen at this location since 2007.

The contaminants of concern that exceed NYSDEC AWQS are limited to wells GP-09 and MW-102 which are in close proximity to each other. Migration has not been observed in nearby wells. Both aerobic and anaerobic biodegradation pathways exist for BTEX and 1,2-dichlorobenzene. A targeted remedial action could reduce contaminants of concern to less than NYSDEC AWQS at which point the site could be considered for delisting.

The following chart summarizes the 2014 data and Figure 4 shows this data plotted on the site map. Figure 5 shows the values plotted chronologically since 2007.

Detected VOCs in Groundwater, Autohaus of Rochester, 2014

Well	*Compound*	*Value (ug/l)*	*Reporting Limit, ug/l*	*MDL ug/l*	*Class GA GW Standard ug/l*
GP-09	1,2-Dichlorobenzene	24.7	2		3
	Ethylbenzene	2.46	2		5
MW-102	1,2-Dichlorobenzene	82.6	2		3
	1,4-Dichlorobenzene	7.35	2		3

Site Activity in 2014

In accordance with the Supplemental Remedial Action Work Plan submitted to NYSDEC by Haley & Aldrich and the current groundwater data, the site is undergoing the proposed remedial enhancement. The enhancement comprises targeted in situ remediation through chemical oxidation (and indirectly, enhanced bioremediation) to expedite reduction in concentrations of COCs to less than AWQS. During the 2014 reporting period, the additional remedial measures undertaken by the owner included seven soil borings and installing two new groundwater monitoring wells down-gradient of GP-9 (to the north). The wells will be used to evaluate the oxidation and biological breakdown of the chemicals of concern in the vicinity of GP-09. Boring logs and well completion details are included in this report as Appendix 2.

Results of soil testing are included as Table 8. Four volatile organic compounds (VOCs) were detected in seven soil borings. Acetone, xylenes, methylene chloride and ethylbenzene were detected. Only methylene chloride was detected above guidance values.

The injection is currently planned to be performed in February 2015, with monitoring of the supplemental remediation to follow in 2015.

Conclusions and Recommendations

Based upon the current SMP and sampling results from the 2014 annual monitoring event, this section provides conclusions and recommendations for future site management. Any significant changes recommended and approved by the NYSDEC will be incorporated into an amended SMP.

- GP-09 was repaired by supplying and installing a new tight-fitting riser cap. No further repairs are needed at this time, but inspections of wells should continue on a yearly basis.
- Two new monitoring wells, MW-101 and MW-102, have been added to the well array. These additional points allow for a closer assessment of contaminant trends.
- Based upon the continued observation of contaminants in the groundwater it is recommended that the planned in-situ remediation continue to be performed.
- 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. As was stated in the 2011 and 2013 PRRs, some contaminants continue to remain in groundwater at levels exceeding AWQS standards for Class GA groundwater. 1,2-Dichlorobenzene is consistently detected in groundwater at concentrations greater than its AWQS in the vicinity of well GP-09. It is recommended that groundwater monitoring should continue.

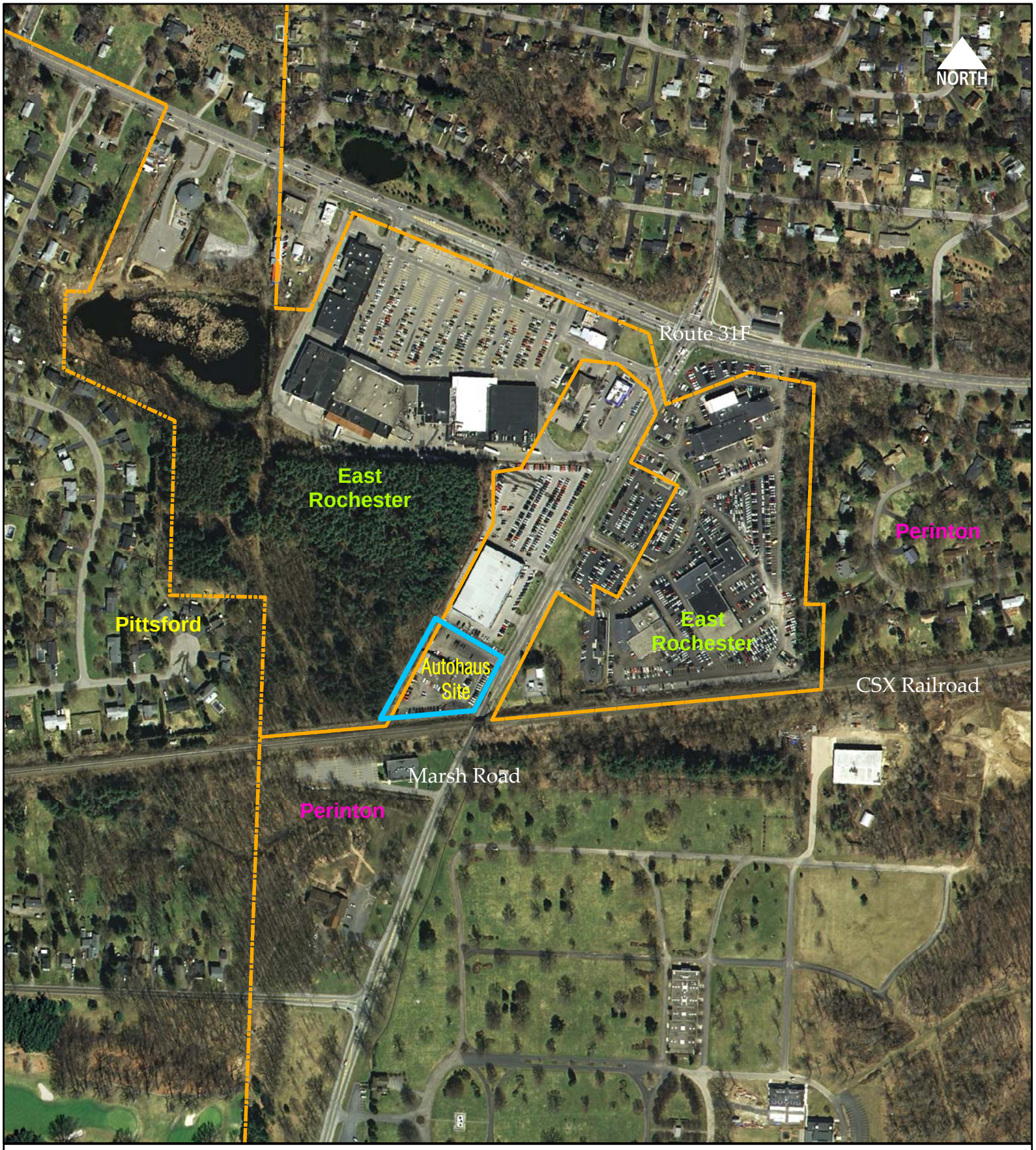
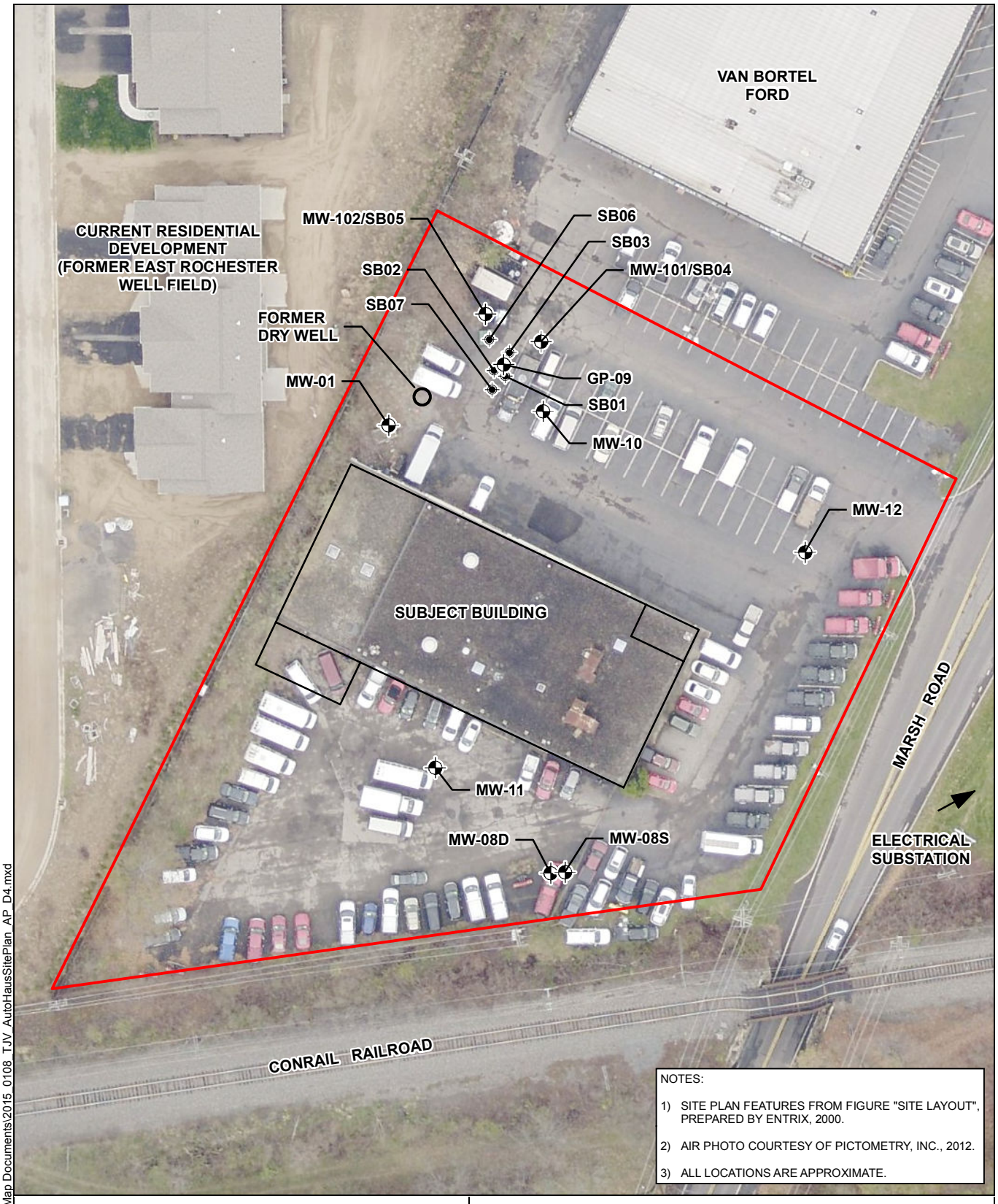


Figure 1, Site Location Map
Autohaus of Rochester - Site ID No. 828084

Municipal Boundaries in Orange

0 100 200 400 Feet

figure_1_site_location_map.mxd



NOTES:

1) SITE PLAN FEATURES FROM FIGURE "SITE LAYOUT", PREPARED BY ENTRIX, 2000.
2) AIR PHOTO COURTESY OF PICTOMETRY, INC., 2012.
3) ALL LOCATIONS ARE APPROXIMATE.

LEGEND

- MONITORING WELL
- BORING LOCATION
- PROPERTY BOUNDARY

N
W E
S

0 30 60
SCALE IN FEET

HALEY & ALDRICH

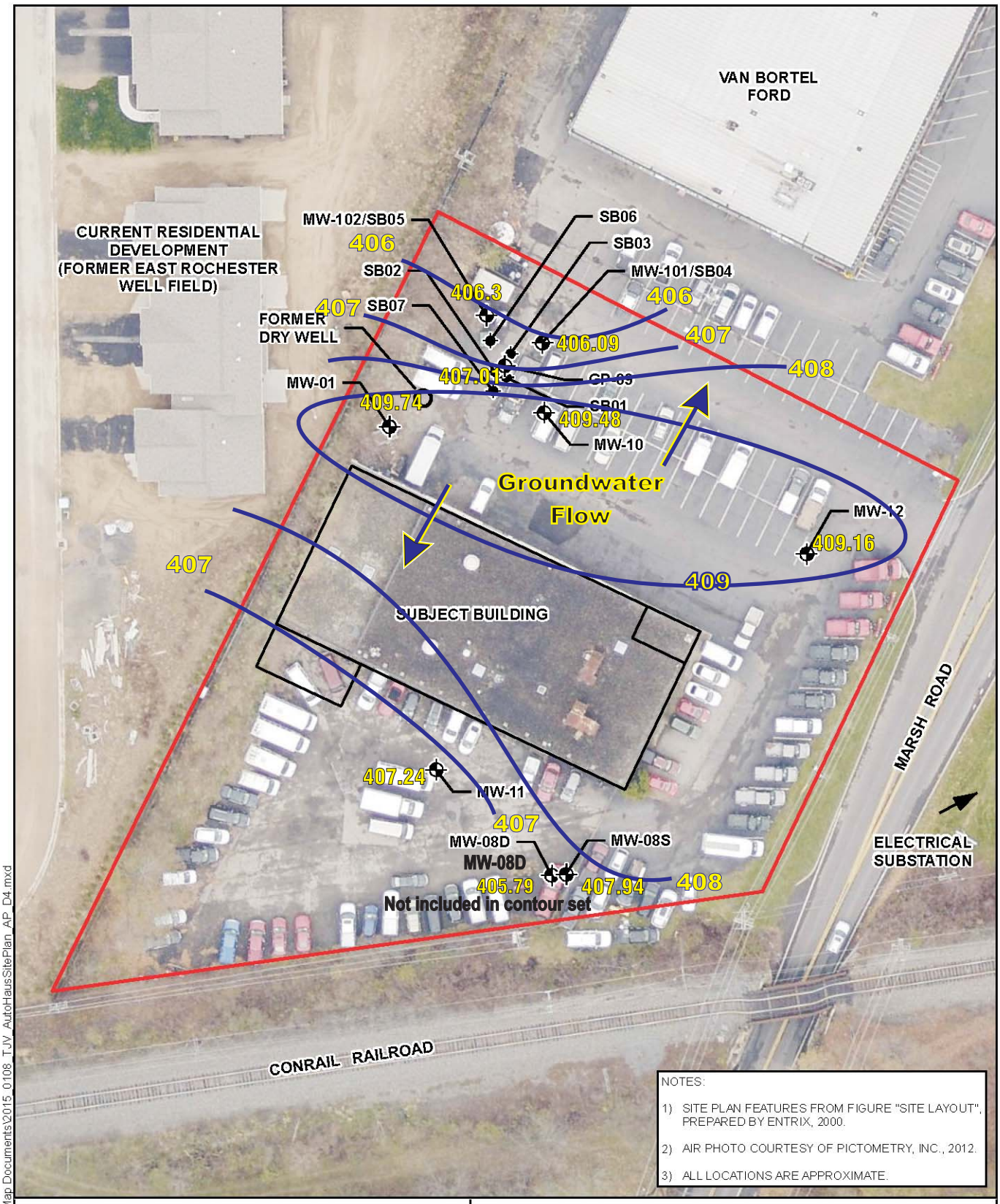
FORMER AUTOHAUS PROPERTY
99 MARSH ROAD
EAST ROCHESTER, NEW YORK

Site Map Showing Sampling Locations - SITE PLAN

SCALE: AS SHOWN
JANUARY 2015

FIGURE 2

G:\35294-000_71 & 99 Marsh Rd\GIS\Map Documents\2015_0108_TJV_AutoHausSitePlan_AP_D4.mxd



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1) SITE PLAN FEATURES FROM FIGURE "SITE LAYOUT", PREPARED BY ENTRIX, 2000.
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3) ALL LOCATIONS ARE APPROXIMATE.

LEGEND

- MONITORING WELL
- BORING LOCATION
- PROPERTY BOUNDARY

N W E S

0 30 60

SCALE IN FEET

HALEY & ALDRICH

FORMER AUTOHAUS PROPERTY
99 MARSH ROAD
EAST ROCHESTER, NEW YORK

Groundwater Elevations

September 2014

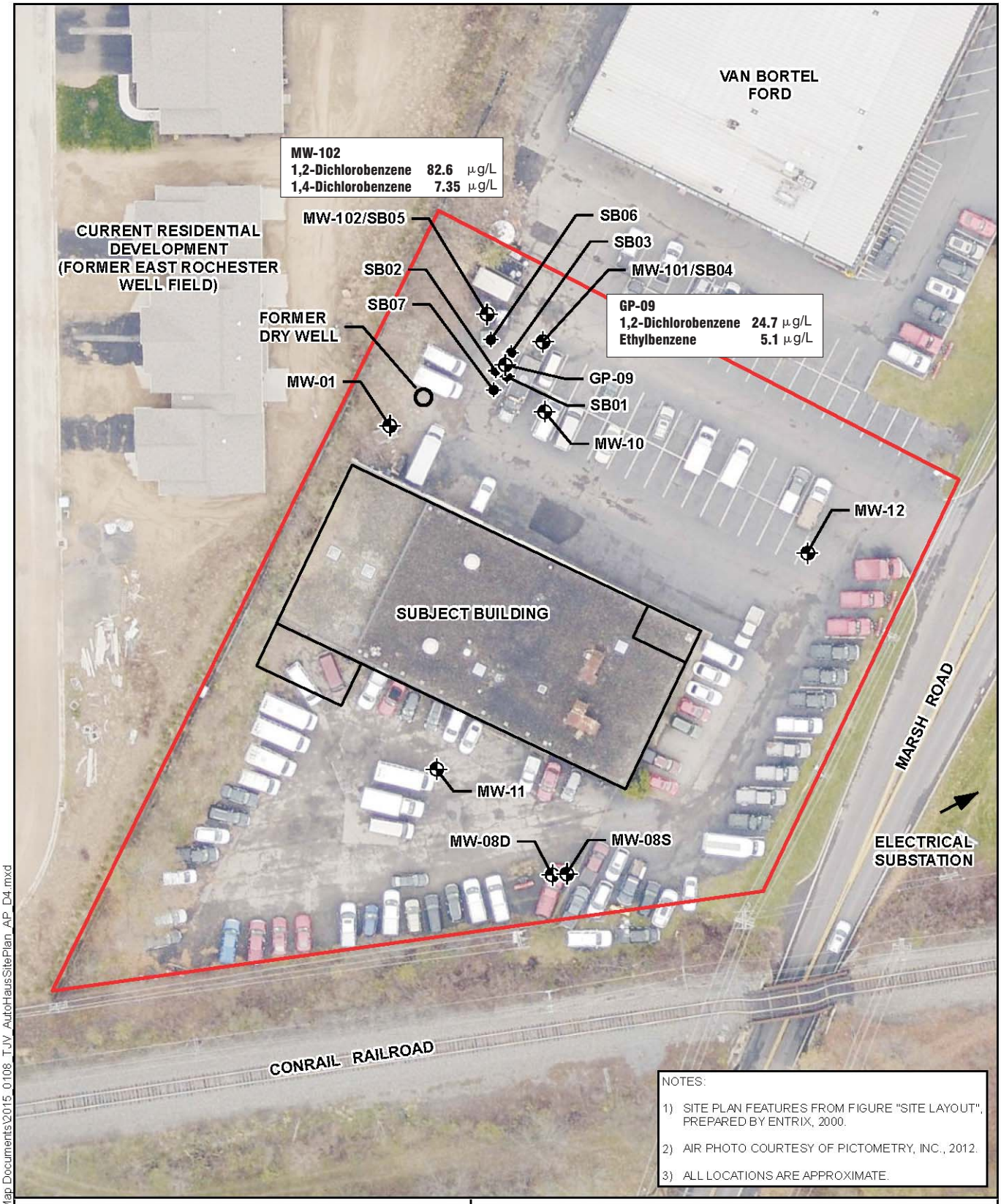
BASE FIGURE PROVIDED BY HALEY & ALDRICH, 2014

ISOLINES BY WILL WELLING, NYSDEC

SCALE: AS SHOWN
JANUARY 2015

Figure 3

G:\135294-000_71 & 99 Marsh Rd\GIS\Map Documents\2015_0108_TJV_AutoHausSitePlan_AP_D4.mxd



LEGEND

- MONITORING WELL
- BORING LOCATION
- PROPERTY BOUNDARY

N W E S

0 30 60

SCALE IN FEET

HALEY & ALDRICH

FORMER AUTOHAUS PROPERTY
99 MARSH ROAD
EAST ROCHESTER, NEW YORK

Volatile Organic Compounds in Groundwater Samples, 2014

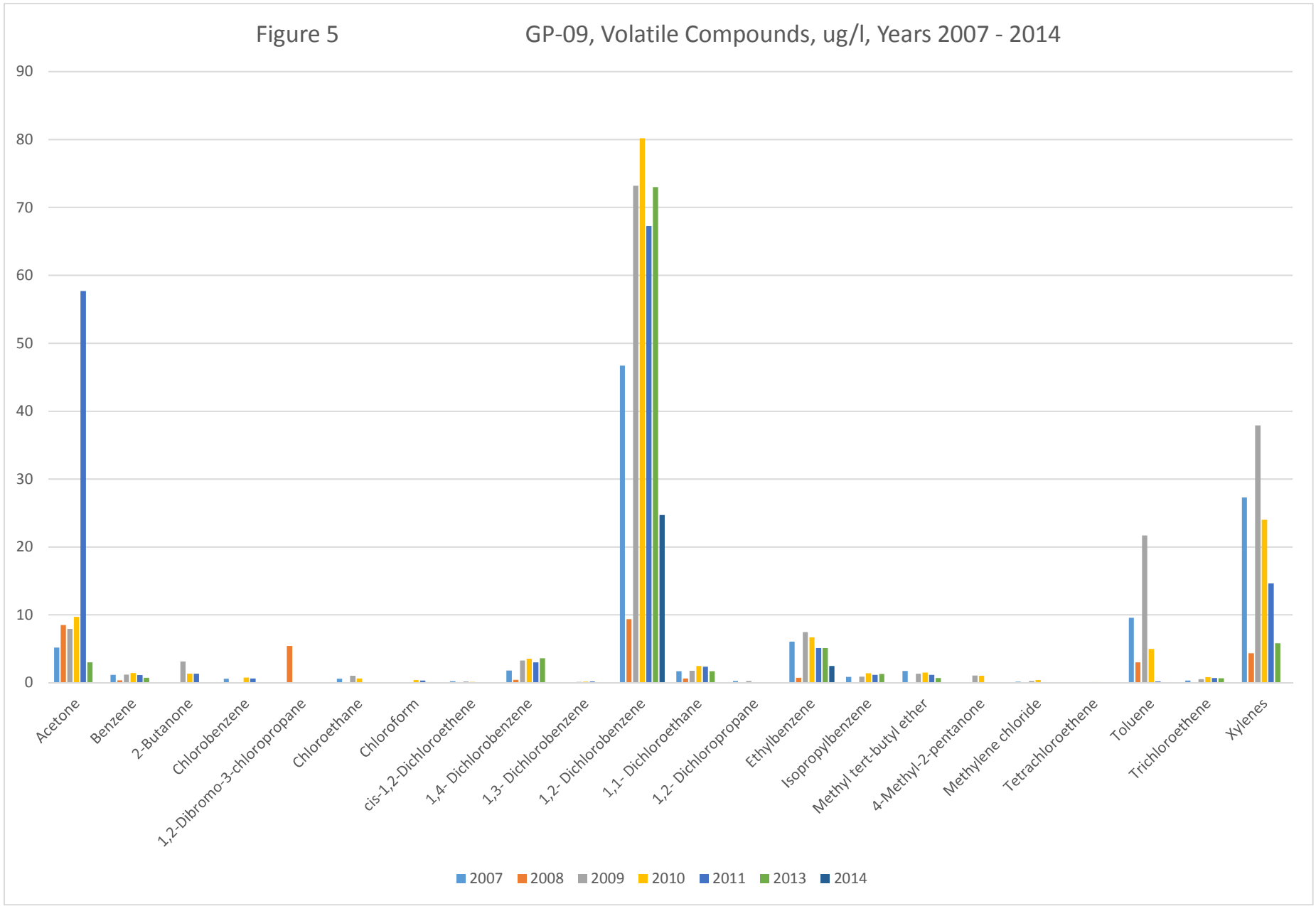
BASE FIGURE PROVIDED BY HALEY & ALDRICH, 2014

SCALE: AS SHOWN
JANUARY 2015

Figure 4

G:\135294-000_71 & 99 Marsh Rd\GIS\Map Documents\2015_0108_TJV_AutoHausSitePlan_AP_D4.mxd

Figure 5


GP-09, Volatile Compounds, ug/l, Years 2007 - 2014
90
80
70
60
50
40
30
20
10
0
Acetone
Benzene
2-Butanone
Chlorobenzene
1,2-Dibromo-3-chloropropane
Chloroethane
Chloroform
cis-1,2-Dichloroethene
1,4- Dichlorobenzene
1,3- Dichlorobenzene
1,2- Dichlorobenzene
1,1- Dichloroethane
1,2- Dichloropropane
Ethylbenzene
Isopropylbenzene
Methyl tert-butyl ether
4-Methyl-2-pentanone
Methylene chloride
Tetrachloroethene
Toluene
Trichloroethene
Xylenes
2007
2008
2009
2010
2011
2013
2014

TABLES

TABLE 1 SUMMARY OF VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER OCTOBER 2007

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

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

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

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

TABLE 2 SUMMARY OF VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER OCTOBER 2008

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

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

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

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

TABLE 3 SUMMARY OF VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER APRIL 2009

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

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

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

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

TABLE 4 SUMMARY OF VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER DECEMBER 2010

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

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

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

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

TABLE 5 SUMMARY OF VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER OCTOBER 2011

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

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

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

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

TABLE 6 SUMMARY OF VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER NOVEMBER 2013

Parameter List USEPA Method 8260B	Sample ID	131121 MW-01		MW-08S		131121 MW-08D		131121 MW-10		131121 MW-11		NYSDEC Ambient Water Quality Standard Class GA (µg/L)
	Lab ID	480-50794-3				480-50794-2		480-50794-4		480-50794-6		
	Sample Type	Groundwater				Groundwater		Groundwater		Groundwater		
	Sample Date	11/21/2013				11/21/2013		11/21/2013		11/21/2013		
1,1-Dichloroethane	µg/L	(<1)	U	*Not Sampled*		(<1)	U	(<1)	U	(<1)	U	5 (s)
1,2-Dichlorobenzene	µg/L	(<1)	U	*Not Sampled*		(<1)	U	(<1)	U	(<1)	U	3 (s)
1,3-Dichlorobenzene	µg/L	(<1)	U	*Not Sampled*		(<1)	U	(<1)	U	(<1)	U	3 (s)
1,4-Dichlorobenzene	µg/L	(<1)	U	*Not Sampled*		(<1)	U	(<1)	U	(<1)	U	3 (s)
2-Butanone	µg/L	(<10)	U	*Not Sampled*		(<10)	U	(<10)	U	(<10)	U	---
Acetone	µg/L	**3.50**	**J**	*Not Sampled*		(<1)	U	(<1)	U	(<1)	U	50 (g)
Benzene	µg/L	(<1)	U	*Not Sampled*		(<1)	U	(<1)	U	(<1)	U	1 (s)
Bromodichloromethane	µg/L	(<1)	U	*Not Sampled*		(<1)	U	(<1)	U	(<1)	U	50 (g)
Chlorobenzene	µg/L	(<1)	U	*Not Sampled*		(<1)	U	(<1)	U	(<1)	U	5 (s)
Chloroform	µg/L	(<1)	U	*Not Sampled*		(<1)	U	**0.94**	**J**	(<1)	U	7 (s)
cis-1,2-Dichloroethene	µg/L	(<1)	U	*Not Sampled*		(<1)	U	(<1)	U	(<1)	U	5 (s)
Dibromochloromethane	µg/L	(<1)	U	*Not Sampled*		(<1)	U	(<1)	U	(<1)	U	50 (s)
Dichlorodifluoromethane	µg/L	(<1)	U	*Not Sampled*		(<1)	U	(<1)	U	(<1)	U	5 (s)
Ethylbenzene	µg/L	(<1)	U	*Not Sampled*		(<1)	U	(<1)	U	(<1)	U	5 (s)
Isopropylbenzene	µg/L	(<1)	U	*Not Sampled*		(<1)	U	(<1)	U	(<1)	U	5(s)
Methyl tert-butyl ether	µg/L	(<1)	U	*Not Sampled*		(<1)	U	(<1)	U	(<1)	U	10 (g)
Tetrachloroethene	µg/L	**1.10**		*Not Sampled*		(<1)	U	(<1)	U	(<1)	U	5 (s)
Toluene	µg/L	(<1)	U	*Not Sampled*		(<1)	U	(<1)	U	(<1)	U	5 (s)
Trichloroethene	µg/L	(<1)	U	*Not Sampled*		(<1)	U	(<1)	U	(<1)	U	5 (s)
Xylenes (total)	µg/L	(<2)	U	*Not Sampled*		(<1)	U	(<1)	U	(<1)	U	5 (s)

Parameter List USEPA Method 8260B	Sample ID	131121 MW-12		131121 GP-09		131121 MW1 DUP(a)		Trip Blank			NYSDEC Ambient Water Quality Standard Class GA (µg/L)
	Lab ID	480-50794-5		480-50794-1		480-50794-7		480-50794-8			
	Sample Type	Groundwater		Groundwater		QA/QC Duplicate		QA/QC Trip Blank			
	Sample Date	11/21/2013		11/21/2013		11/21/2013		11/21/2013			
1,1-Dichloroethane	µg/L	(<1)	U	**1.70**		(<1)	U	(<1)	U		5 (s)
1,2-Dichlorobenzene	µg/L	(<1)	U	**73.00**		(<1)	U	(<1)	U		3 (s)
1,4-Dichlorobenzene	µg/L	(<1)	U	**3.60**		(<1)	U	(<1)	U		3 (s)
2-Butanone	µg/L	(<10)	U	(<10)	U	(<10)	U	(<10)	U		---
Acetone	µg/L	(<1)	U	**3.00**	**J**	(<1)	U	(<1)	U		50 (g)
Benzene	µg/L	(<1)	U	**0.73**	**J**	(<1)	U	(<1)	U		1 (s)
Bromodichloromethane	µg/L	(<1)	U	(<1)	U	(<1)	U	(<1)	U		50 (g)
Chlorobenzene	µg/L	(<1)	U	(<1)	U	(<1)	U	(<1)	U		5 (s)
											7 (s)
cis-1,2-Dichloroethene	µg/L	(<1)	U	(<1)	U	(<1)	U	(<1)	U		5 (s)
Ethylbenzene	µg/L	(<1)	U	**5.10**		(<1)	U	(<1)	U		5(s)
Isopropylbenzene	µg/L	(<1)	U	**1.30**		(<1)	U	(<1)	U		5(s)
Methyl tert-butyl ether	µg/L	(<1)	U	**0.67**	**J**	(<1)	U	(<1)	U		10 (g)
Tetrachloroethene	µg/L	(<1)	U	(<1)	U	(<1)	U	(<1)	U		5 (s)
Toluene	µg/L	(<1)	U	(<1)	U	(<1)	U	(<1)	U		5 (s)
Trichloroethene	µg/L	(<1)	U	**0.66**	**J**	(<1)	U	(<1)	U		5 (s)
Xylenes (total)	µg/L	(<2)	U	**5.80**		(<2)	U	(<2)	U		5 (s)

(a) Duplicate was collected at 131121 MW-01

NOTE: USEPA = United States Environmental Protection Agency NYSDEC = New State Department of Environmental Conservation

µg/L = Micrograms per Liter

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

J = Analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample. QA/QC = Quality Assurance/Quality Control

Analytical data results provided by Life Science Laboratories.

Only analytes that had at least one detection from the data set are shown.

Blue indicates a detection above the method detection limit. **Red** indicates that the analyte was detected above the NYSDEC AWQS. (g) Value is listed as a guidance value. (s) Value is listed as a standard value.

TABLE 7
SUMMARY OF ANALYTICAL RESULTS
GROUNDWATER
AUTOHAUS

Location	Action Level	GP-09		MW-1			MW-10		MW-101	MW-102	MW-11		MW-12		MW-8D			MW-8S
Sample ID	NYDEC_TOGS_AMBIENT_WATER_Class_GA	131121 GP9	GP009-090814-1315	131121 MW1	131121 MW1 DUP	MW001-090814-1545	131121 MW10	MW010-090814-1430	MW101-090814-0900	MW102-090814-1030	131121 MW-11	MW011-090914-1200	131121 MW12	MW012-090814-1720	131121 MW8D	MW08D-090914-0950	4542-090914-0002	MW08S-090914-1055
Sample Date		11/21/2013	09/08/2014	11/21/2013	11/21/2013	09/08/2014	11/21/2013	09/08/2014	09/08/2014	09/08/2014	11/21/2013	09/09/2014	11/21/2013	09/08/2014	11/21/2013	09/09/2014	09/09/2014	09/09/2014
Sample Type		N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N
Sample Depth (bgs)		19.3 - 29.3 (ft)	19.3 - 29.3 (ft)	13.9 - 23.9 (ft)	13.9 - 23.9 (ft)	13.9 - 23.9 (ft)	8.3 - 18.3 (ft)	8.3 - 18.3 (ft)	19.5 - 29.5 (ft)	19.5 - 29.5 (ft)	18.8 - 28.8 (ft)	18.8 - 28.8 (ft)	19.1 - 29.1 (ft)	19.1 - 29.1 (ft)	62 - 72 (ft)	62 - 72 (ft)	62 - 72 (ft)	14.2 - 24.2 (ft)
Inorganic Compounds (mg/L)																		
Iron, Dissolved	-	-	ND (0.1)	-	-	ND (0.1)	-	ND (0.1)	ND (0.1)	**0.191**	-	-	-	-	-	-	-	-
Iron, Total	-	-	**3.3**	-	-	**5.02**	-	**0.192**	**1.67**	**6.76**	-	-	-	-	-	-	-	-
Other (mg/L)																		
Sulfate	-	-	**120**	-	-	**14**	-	**28**	**47**	**29**	-	-	-	-	-	-	-	-
Total Organic Carbon (TOC)	-	-	**9.71**	-	-	**7.61**	-	**1.93**	**5.06**	**13.9**	-	-	-	-	-	-	-	-
Volatile Organic Compounds (ug/L)																		
1,1,1-Trichloroethane	5	ND (1)	ND (2)	ND (1)	ND (1)	ND (2)	ND (1)	ND (2)	ND (2)	ND (2)	ND (1)	ND (2)	ND (1)	ND (2)	ND (1)	ND (2)	ND (2)	ND (2)
1,1,2,2-Tetrachloroethane	5	ND (1)	ND (2)	ND (1)	ND (1)	ND (2)	ND (1)	ND (2)	ND (2)	ND (2)	ND (1)	ND (2)	ND (1)	ND (2)	ND (1)	ND (2)	ND (2)	ND (2)
1,1,2-Trichloroethane	1	ND (1)	ND (2)	ND (1)	ND (1)	ND (2)	ND (1)	ND (2)	ND (2)	ND (2)	ND (1)	ND (2)	ND (1)	ND (2)	ND (1)	ND (2)	ND (2)	ND (2)
1,1-Dichloroethane	5	**1.7**	ND (2)	ND (1)	ND (1)	ND (2)	ND (1)	ND (2)	ND (2)	ND (2)	ND (1)	ND (2)	ND (1)	ND (2)	ND (1)	ND (2)	ND (2)	ND (2)
1,1-Dichloroethene	5	ND (1)	ND (2)	ND (1)	ND (1)	ND (2)	ND (1)	ND (2)	ND (2)	ND (2)	ND (1)	ND (2)	ND (1)	ND (2)	ND (1)	ND (2)	ND (2)	ND (2)
1,2,3-Trichlorobenzene	-	-	ND (5)	-	-	ND (5)	-	ND (5)	ND (5)	ND (5)	-	ND (5)	-	ND (5)	-	ND (5)	ND (5)	ND (5)
1,2,4-Trichlorobenzene	5	ND (1)	ND (5)	ND (1)	ND (1)	ND (5)	ND (1)	ND (5)	ND (5)	ND (5)	ND (1)	ND (5)	ND (1)	ND (5)	ND (1)	ND (5)	ND (5)	ND (5)
1,2-Dibromo-3-chloropropane (DBCP)	0.04	ND (1)	ND (10)	ND (1)	ND (1)	ND (10)	ND (1)	ND (10)	ND (10)	ND (10)	ND (1)	ND (10)	ND (1)	ND (10)	ND (1)	ND (10)	ND (10)	ND (10)
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	ND (1)	ND (2)	ND (1)	ND (1)	ND (2)	ND (1)	ND (2)	ND (2)	ND (2)	ND (1)	ND (2)	ND (1)	ND (2)	ND (1)	ND (2)	ND (2)	ND (2)
1,2-Dichlorobenzene	3	**73** [A]	**24.7** [A]	ND (1)	ND (1)	ND (2)	ND (1)	ND (2)	ND (2)	**82.6** [A]	ND (1)	ND (2)	ND (1)	ND (2)	ND (1)	ND (2)	ND (2)	ND (2)
1,2-Dichloroethane	0.6	ND (1)	ND (2)	ND (1)	ND (1)	ND (2)	ND (1)	ND (2)	ND (2)	ND (2)	ND (1)	ND (2)	ND (1)	ND (2)	ND (1)	ND (2)	ND (2)	ND (2)
1,2-Dichloropropane	1	ND (1)	ND (2)	ND (1)	ND (1)	ND (2)	ND (1)	ND (2)	ND (2)	ND (2)	ND (1)	ND (2)	ND (1)	ND (2)	ND (1)	ND (2)	ND (2)	ND (2)
1,3-Dichlorobenzene	3	ND (1)	ND (2)	ND (1)	ND (1)	ND (2)	ND (1)	ND (2)	ND (2)	ND (2)	ND (1)	ND (2)	ND (1)	ND (2)	ND (1)	ND (2)	ND (2)	ND (2)
1,4-Dichlorobenzene	3	**3.6** [A]	ND (2)	ND (1)	ND (1)	ND (2)	ND (1)	ND (2)	ND (2)	**7.35** [A]	ND (1)	ND (2)	ND (1)	ND (2)	ND (1)	ND (2)	ND (2)	ND (2)
1,4-Dioxane	-	-	ND (20)	-	-	ND (20)	-	ND (20)	ND (20)	ND (20)	-	ND (20)	-	ND (20)	-	ND (20)	ND (20)	ND (20)
2-Butanone (Methyl Ethyl Ketone)	50	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
2-Hexanone	50	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	-	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Acetone	50	**3 J**	ND (10)	**3.5 J**	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Benzene	1	**0.73 J**	ND (0.7)	ND (1)	ND (1)	ND (0.7)	ND (1)	ND (0.7)	ND (0.7)	ND (0.7)	ND (1)	ND (0.7)	ND (1)	ND (0.7)	ND (1)	ND (0.7)	ND (0.7)	ND (0.7)
Bromodichloromethane	50	ND (1)	ND (2)	ND (1)	ND (1)	ND (2)	ND (1)	ND (2)	ND (2)	ND (2)	ND (1)	ND (2)	ND (1)	ND (2)	ND (1)	ND (2)	ND (2)	ND (2)
Bromoform	50	ND (1)	ND (5)	ND (1)	ND (1)	ND (5)	ND (1)	ND (5)	ND (5)	ND (5)	ND (1)	ND (5)	ND (1)	ND (5)	ND (1)	ND (5)	ND (5)	ND (5)
Bromomethane (Methyl Bromide)	5	ND (1)	ND (2)	ND (1)	ND (1)	ND (2)	ND (1)	ND (2)	ND (2)	ND (2)	ND (1)	ND (2)	ND (1)	ND (2)	ND (1)	ND (2)	ND (2)	ND (2)
Carbon disulfide	60	ND (1)	ND (2)	ND (1)	ND (1)	ND (2)	ND (1)	ND (2)	ND (2)	ND (2)	ND (1)	ND (2)	ND (1)	ND (2)	ND (1)	ND (2)	ND (2)	ND (2)
Carbon tetrachloride	5	ND (1)	ND (2)	ND (1)	ND (1)	ND (2)	ND (1)	ND (2)	ND (2)	ND (2)	ND (1)	ND (2)	ND (1)	ND (2)	ND (1)	ND (2)	ND (2)	ND (2)
Chlorobenzene	5	ND (1)	ND (2)	ND (1)	ND (1)	ND (2)	ND (1)	ND (2)	ND (2)	ND (2)	ND (1)	ND (2)	ND (1)	ND (2)	ND (1)	ND (2)	ND (2)	ND (2)
Chlorobromomethane	-	-	ND (5)	-	-	ND (5)	-	ND (5)	ND (5)	ND (5)	-	ND (5)	-	ND (5)	-	ND (5)	ND (5)	ND (5)
Chloroethane	5	ND (1)	ND (2)	ND (1)	ND (1)	ND (2)	ND (1)	ND (2)	ND (2)	ND (2)	ND (1)	ND (2)	ND (1)	ND (2)	ND (1)	ND (2)	ND (2)	ND (2)
Chloroform (Trichloromethane)	7	ND (1)	ND (2)	ND (1)	ND (1)	ND (2)	**0.94 J**	ND (2)	ND (2)	ND (2)	ND (1)	ND (2)	ND (1)	ND (2)	ND (1)	ND (2)	ND (2)	ND (2)
Chloromethane (Methyl Chloride)	5	ND (1)	ND (2)	ND (1)	ND (1)	ND (2)	ND (1)	ND (2)	ND (2)	ND (2)	ND (1)	ND (2)	ND (1)	ND (2)	ND (1)	ND (2)	ND (2)	ND (2)
cis-1,2-Dichloroethene	5	ND (1)	ND (2)	ND (1)	ND (1)	ND (2)	ND (1)	ND (2)	ND (2)	ND (2)	ND (1)	ND (2)	ND (1)	ND (2)	ND (1)	ND (2)	ND (2)	ND (2)
cis-1,3-Dichloropropene	0.4	ND (1)	ND (2)	ND (1)	ND (1)	ND (2)	ND (1)	ND (2)	ND (2)	ND (2)	ND (1)	ND (2)	ND (1)	ND (2)	ND (1)	ND (2)	ND (2)	ND (2)
Cyclohexane	-	ND (1)	ND (10)	ND (1)	ND (1)	ND (10)	ND (1)	ND (10)	ND (10)	ND (10)	ND (1)	ND (10)	ND (1)	ND (10)	ND (1)	ND (10)	ND (10)	ND (10)
Dibromochloromethane	50	ND (1)	ND (2)	ND (1)	ND (1)	ND (2)	ND (1)	ND (2)	ND (2)	ND (2)	ND (1)	ND (2)	ND (1)	ND (2)	ND (1)	ND (2)	ND (2)	ND (2)
Dichlorodifluoromethane (CFC-12)	5	ND (1)	ND (2)	ND (1)	ND (1)	ND (2)	ND (1)	ND (2)	ND (2)	ND (2)	ND (1)	ND (2)	ND (1)	ND (2)	ND (1)	ND (2)	ND (2)	ND (2)
Ethylbenzene	5	**5.1** [A]	**2.46**	ND (1)	ND (1)	ND (2)	ND (1)	ND (2)	ND (2)	ND (2)	ND (1)	ND (2)	ND (1)	ND (2)	ND (1)	ND (2)	ND (2)	ND (2)
Isopropylbenzene	5	**1.3**	ND (2)	ND (1)	ND (1)	ND (2)	ND (1)	ND (2)	ND (2)	ND (2)	ND (1)	ND (2)	ND (1)	ND (2)	ND (1)	ND (2)	ND (2)	ND (2)
m,p-Xylenes	5	-	ND (2)	-	-	ND (2)	-	ND (2)	ND (2)	ND (2)	-	ND (2)	-	ND (2)	-	ND (2)	ND (2)	ND (2)
Methyl acetate	-	ND (1)	ND (2)	ND (1)	ND (1)	ND (2)	ND (1)	ND (2)	ND (2)	ND (2)	ND (1)	ND (2)	ND (1)	ND (2)	ND (1)	ND (2)	ND (2)	ND (2)
Methyl cyclohexane	-	ND (1)	ND (2)	ND (1)	ND (1)	ND (2)	ND (1)	ND (2)	ND (2)	ND (2)	ND (1)	ND (2)	ND (1)	ND (2)	ND (1)	ND (2)	ND (2)	ND (2)
Methyl Tert Butyl Ether	-	**0.67 J**	ND (2)	ND (1)	ND (1)	ND (2)	ND (1)	ND (2)	ND (2)	ND (2)	ND (1)	ND (2)	ND (1)	ND (2)	ND (1)	ND (2)	ND (2)	ND (2)
Methylene chloride	5	ND (1)	ND (5)	ND (1)	ND (1)	ND (5)	ND (1)	ND (5)	ND (5)	ND (5)	ND (1)	ND (5)	ND (1)	ND (5)	ND (1)	ND (5)	ND (5)	ND (5)
o-Xylene	5	-	ND (2)	-	-	ND (2)	-	ND (2)	ND (2)	ND (2)	-	ND (2)	-	ND (2)	-	ND (2)	ND (2)	ND (2)
Styrene	5	ND (1)	ND (5)	ND (1)	ND (1)	ND (5)	ND (1)	ND (5)	ND (5)	ND (5)	ND (1)	ND (5)	ND (1)	ND (5)	ND (1)	ND (5)	ND (5)	ND (5)
Tetrachloroethene	5	ND (1)	ND (2)	**1.1**	ND (1)	ND (2)	ND (1)	ND (2)	ND (2)	ND (2)	ND (1)	ND (2)	ND (1)	ND (2)	ND (1)	ND (2)	ND (2)	ND (2)
Toluene	5	ND (1)	ND (2)	ND (1)	ND (1)	ND (2)	ND (1)	ND (2)	ND (2)	ND (2)	ND (1)	ND (2)	ND (1)	ND (2)	ND (1)	ND (2)	ND (2)	ND (2)
trans-1,2-Dichloroethene	5	ND (1)	ND (2)	ND (1)	ND (1)	ND (2)	ND (1)	ND (2)	ND (2)	ND (2)	ND (1)	ND (2)	ND (1)	ND (2)	ND (1)	ND (2)	ND (2)	ND (2)
trans-1,3-Dichloropropene	0.4	ND (1)	ND (2)	ND (1)	ND (1)	ND (2)	ND (1)	ND (2)	ND (2)	ND (2)	ND (1)	ND (2)	ND (1)	ND (2)	ND (1)	ND (2)	ND (2)	ND (2)
Trichloroethene	5	**0.66 J**	ND (2)	ND (1)	ND (1)	ND (2)	ND (1)	ND (2)	ND (2)	ND (2)	ND (1)	ND (2)	ND (1)	ND (2)	ND (1)	ND (2)	ND (2)	ND (2)
Trichlorofluoromethane (CFC-11)	5	ND (1)	ND (2)	ND (1)	ND (1)	ND (2)	ND (1)	ND (2)	ND (2)	ND (2)	ND (1)	ND (2)	ND (1)	ND (2)	ND (1)	ND (2)	ND (2)	ND (2)
Trifluorotrichloroethane (Freon 113)	5	ND (1)	ND (2)	ND (1)	ND (1)	ND (2)	ND (1)	ND (2)	ND (2)	ND (2)	ND (1)	ND (2)	ND (1)	ND (2)	ND (1)	ND (2)	ND (2)	ND (2)
Vinyl chloride	2	ND (1)	ND (2)	ND (1)	ND (1)	ND (2)	ND (1)	ND (2)	ND (2)	ND (2)	ND (1)	ND (2)	ND (1)	ND (2)	ND (1)	ND (2)	ND (2)	ND (2)
Xylene (total)	5	**5.8** [A]	-	ND (2)	ND (2)	-	ND (2)	-	-	-	ND (2)	-	ND (2)	-	ND (2)	-	-	-

Notes:
Haley & Aldrich, Inc.
[A] NYDEC_TOGS_AMBIENT_WATER_Class_GA
C:\Users\wbwellin\Documents\SITES\autohaus\prr\2014\2014-2013 Groundwater - Summary Table.xlsx

TABLE 8
SUMMARY OF ANALYTICAL RESULTS
SOIL
AUTOHAUS
,

Location	Action Level	SB-01	SB-02	SB-03	SB-04	SB-05	SB-06	SB-07
Sample ID	NYDEC_375_2006-12_RU-PGW	SB01-081814-0900	SB02-081814-1010	SB03-081814-1230	SB04-081814-1340	SB05-081914-0805	SB06-081914-1050	SB07-081914-1115
Sample Date		08/18/2014	08/18/2014	08/18/2014	08/18/2014	08/19/2014	08/19/2014	08/19/2014
Sample Type		N	N	N	N	N	N	N
Sample Depth (bgs)		0.3 - 1.5 (ft)	6 - 7.6 (ft)	6 - 7.5 (ft)	6 - 7.1 (ft)	3 - 4 (ft)	7 - 9 (ft)	7 - 9 (ft)
Volatile Organic Compounds (ug/kg)								
1,1,1-Trichloroethane	680	ND (6.87)	ND (9.25)	ND (9.36)	ND (8.97)	ND (7.62)	ND (9.28)	ND (8.25)
1,1,2,2-Tetrachloroethane	600	ND (6.87)	ND (9.25)	ND (9.36)	ND (8.97)	ND (7.62)	ND (9.28)	ND (8.25)
1,1,2-Trichloroethane	-	ND (6.87)	ND (9.25)	ND (9.36)	ND (8.97)	ND (7.62)	ND (9.28)	ND (8.25)
1,1-Dichloroethane	270	ND (6.87)	ND (9.25)	ND (9.36)	ND (8.97)	ND (7.62)	ND (9.28)	ND (8.25)
1,1-Dichloroethene	330	ND (6.87)	ND (9.25)	ND (9.36)	ND (8.97)	ND (7.62)	ND (9.28)	ND (8.25)
1,2,3-Trichlorobenzene	-	ND (17.2)	ND (23.1)	ND (23.4)	ND (22.4)	ND (19.1)	ND (23.2)	ND (20.6)
1,2,4-Trichlorobenzene	3400	ND (17.2)	ND (23.1)	ND (23.4)	ND (22.4)	ND (19.1)	ND (23.2)	ND (20.6)
1,2-Dibromo-3-chloropropane (DBCP)	-	ND (34.4)	ND (46.3)	ND (46.8)	ND (44.9)	ND (38.1)	ND (46.4)	ND (41.3)
1,2-Dibromoethane (Ethylene Dibromide)	-	ND (6.87)	ND (9.25)	ND (9.36)	ND (8.97)	ND (7.62)	ND (9.28)	ND (8.25)
1,2-Dichlorobenzene	1100	ND (6.87) M	ND (9.25)	ND (9.36)	ND (8.97)	ND (7.62)	ND (9.28)	ND (8.25)
1,2-Dichloroethane	20	ND (6.87)	ND (9.25)	ND (9.36)	ND (8.97)	ND (7.62)	ND (9.28)	ND (8.25)
1,2-Dichloropropane	-	ND (6.87)	ND (9.25)	ND (9.36)	ND (8.97)	ND (7.62)	ND (9.28)	ND (8.25)
1,3-Dichlorobenzene	2400	ND (6.87) M	ND (9.25)	ND (9.36)	ND (8.97)	ND (7.62)	ND (9.28)	ND (8.25)
1,4-Dichlorobenzene	1800	ND (6.87) M	ND (9.25)	ND (9.36)	ND (8.97)	ND (7.62)	ND (9.28)	ND (8.25)
1,4-Dioxane	100	ND (68.7)	ND (92.5)	ND (93.6)	ND (89.7)	ND (76.2)	ND (92.8)	ND (82.5)
2-Butanone (Methyl Ethyl Ketone)	300	ND (34.4)	ND (46.3)	ND (46.8)	ND (44.9)	ND (38.1)	ND (46.4)	ND (41.3)
2-Hexanone	-	ND (17.2)	ND (23.1)	ND (23.4)	ND (22.4)	ND (19.1)	ND (23.2)	ND (20.6)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	1000	ND (17.2)	ND (23.1)	ND (23.4)	ND (22.4)	ND (19.1)	ND (23.2)	ND (20.6)
Acetone	50	**49.6**	ND (46.3)	ND (46.8)	ND (44.9)	ND (38.1)	ND (46.4)	ND (41.3)
Benzene	60	ND (6.87)	ND (9.25)	ND (9.36)	ND (8.97)	ND (7.62)	ND (9.28)	ND (8.25)
Bromodichloromethane	-	ND (6.87)	ND (9.25)	ND (9.36)	ND (8.97)	ND (7.62)	ND (9.28)	ND (8.25)
Bromoform	-	ND (17.2)	ND (23.1)	ND (23.4)	ND (22.4)	ND (19.1)	ND (23.2)	ND (20.6)
Bromomethane (Methyl Bromide)	-	ND (6.87) M	ND (9.25)	ND (9.36)	ND (8.97)	ND (7.62)	ND (9.28)	ND (8.25)
Carbon disulfide	2700	ND (6.87)	ND (9.25)	ND (9.36)	ND (8.97)	ND (7.62)	ND (9.28)	ND (8.25)
Carbon tetrachloride	760	ND (6.87)	ND (9.25)	ND (9.36)	ND (8.97)	ND (7.62)	ND (9.28)	ND (8.25)
Chlorobenzene	1100	ND (6.87)	ND (9.25)	ND (9.36)	ND (8.97)	ND (7.62)	ND (9.28)	ND (8.25)
Chlorobromomethane	-	ND (17.2)	ND (23.1)	ND (23.4)	ND (22.4)	ND (19.1)	ND (23.2)	ND (20.6)
Chloroethane	1900	ND (6.87)	ND (9.25)	ND (9.36)	ND (8.97)	ND (7.62)	ND (9.28)	ND (8.25)
Chloroform (Trichloromethane)	370	ND (6.87)	ND (9.25)	ND (9.36)	ND (8.97)	ND (7.62)	ND (9.28)	ND (8.25)
Chloromethane (Methyl Chloride)	-	ND (6.87)	ND (9.25)	ND (9.36)	ND (8.97)	ND (7.62)	ND (9.28)	ND (8.25)
cis-1,2-Dichloroethene	250	ND (6.87)	ND (9.25)	ND (9.36)	ND (8.97)	ND (7.62)	ND (9.28)	ND (8.25)
cis-1,3-Dichloropropene	-	ND (6.87)	ND (9.25)	ND (9.36)	ND (8.97)	ND (7.62)	ND (9.28)	ND (8.25)
Cyclohexane	-	ND (34.4)	ND (46.3)	ND (46.8)	ND (44.9)	ND (38.1)	ND (46.4)	ND (41.3)
Dibromochloromethane	-	ND (6.87) M	ND (9.25)	ND (9.36)	ND (8.97)	ND (7.62)	ND (9.28)	ND (8.25)
Dichlorodifluoromethane (CFC-12)	-	ND (6.87)	ND (9.25)	ND (9.36)	ND (8.97)	ND (7.62)	ND (9.28)	ND (8.25)
Ethylbenzene	1000	ND (6.87)	ND (9.25)	ND (9.36)	ND (8.97)	ND (7.62)	**15.2**	ND (8.25)
Isopropylbenzene	2300	ND (6.87)	ND (9.25)	ND (9.36)	ND (8.97)	ND (7.62)	ND (9.28)	ND (8.25)
m,p-Xylenes	-	**32.7**	ND (9.25)	ND (9.36)	ND (8.97)	ND (7.62)	**69.6**	ND (8.25)
Methyl acetate	-	ND (6.87)	ND (9.25)	ND (9.36)	ND (8.97)	ND (7.62)	ND (9.28)	ND (8.25)
Methyl cyclohexane	-	ND (6.87)	ND (9.25)	ND (9.36)	ND (8.97)	ND (7.62)	ND (9.28)	ND (8.25)
Methyl Tert Butyl Ether	930	ND (6.87)	ND (9.25)	ND (9.36)	ND (8.97)	ND (7.62)	ND (9.28)	ND (8.25)
Methylene chloride	50	**23.9**	**43.9**	**55.2** [A]	**113** [A]	ND (19.1)	**86** [A]	**33**
o-Xylene	-	**9.81**	ND (9.25)	ND (9.36)	ND (8.97)	ND (7.62)	**26.3**	ND (8.25)
Styrene	-	ND (17.2)	ND (23.1)	ND (23.4)	ND (22.4)	ND (19.1)	ND (23.2)	ND (20.6)
Tetrachloroethene	1300	ND (6.87)	ND (9.25)	ND (9.36)	ND (8.97)	ND (7.62)	ND (9.28)	ND (8.25)
Toluene	700	ND (6.87)	ND (9.25)	ND (9.36)	ND (8.97)	ND (7.62)	ND (9.28)	ND (8.25)
trans-1,2-Dichloroethene	190	ND (6.87)	ND (9.25)	ND (9.36)	ND (8.97)	ND (7.62)	ND (9.28)	ND (8.25)
trans-1,3-Dichloropropene	-	ND (6.87)	ND (9.25)	ND (9.36)	ND (8.97)	ND (7.62)	ND (9.28)	ND (8.25)
Trichloroethene	470	ND (6.87)	ND (9.25)	ND (9.36)	ND (8.97)	ND (7.62)	ND (9.28)	ND (8.25)
Trichlorofluoromethane (CFC-11)	-	ND (6.87)	ND (9.25)	ND (9.36)	ND (8.97)	ND (7.62)	ND (9.28)	ND (8.25)
Trifluorotrichloroethane (Freon 113)	6000	ND (6.87)	ND (9.25)	ND (9.36)	ND (8.97)	ND (7.62)	ND (9.28)	ND (8.25)
Vinyl chloride	20	ND (6.87)	ND (9.25)	ND (9.36)	ND (8.97)	ND (7.62)	ND (9.28)	ND (8.25)

Notes:
A - NYDEC_375_2006-12_RU-PGW

APPENDICES

Appendix 1 – IC/EC Certification

Appendix 2 – Boring Logs and Well Completion Details

Appendix 1 – IC/EC Certification

Enclosure 2

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

Site Details **Box 1**

Site No. 828084

Site Name Autohaus of Rochester

Site Address: 99 Marsh Road Zip Code: 14445
City/Town: East Rochester
County: Monroe
Site Acreage: 1.6

Reporting Period: January 1, 2014 to December 31, 2014

	YES	NO
1. Is the information above correct?	☒	☐
If NO, include handwritten above or on a separate sheet.		
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period? Order On Consent April 21, 2014	☒	☐
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☐	☒
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	☐	☒
If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.		
5. Is the site currently undergoing development?	☐	☒

Box 2

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

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

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

Signature of Owner, Remedial Party or Designated Representative Date

SITE NO. 828084

Description of Institutional Controls

Parcel	Owner	Institutional Control
152.13-3-4	99 Marsh Road Real Estate Holdings,	Monitoring Plan Site Management Plan

Consent Order with the owner requires compliance with and implementation of the Site Management Plan

Description of Engineering Controls

Monitoring well network

Periodic Review Report (PRR) Certification Statements

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

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

   b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted

YES	NO
☒	☐

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

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

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

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

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

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

YES	NO
☒	☐

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

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

Signature of Owner, Remedial Party or Designated Representative

Date

IC CERTIFICATIONS
SITE NO. 826084

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1,2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Mary C. VanBortel at 71 Marsh Road, East Rochester, NY
print name print business address

am certifying as owner (Owner or Remedial Party)

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

Signature of Owner, Remedial Party, or Designated Representative

Date 1/24/14

IC/EC CERTIFICATIONS

Box 7

Signature

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

I _____ at _____,
print name print business address

am certifying as a for the _____
(Owner or Remedial Party)

Signature of , for the Owner or Remedial Party, Rendering Certification

Stamp (Required for PE)

Date

Appendix 2 – Boring Logs and Well Completion Details

Boring Logs

HALEY & ALDRICH

GEOPROBE REPORT

Boring No. SB-01

Project	Supplemental Investigation, Former Autohaus Facility, 99 Marsh Road, Rochester, New York
Client	99 March Road, Real Estate Holdings, LLC
Contractor	Nothangle Drilling Inc.

File No. 35294-006
Sheet No. 1 of 2
Start 18 August 2014
Finish 18 August 2014
Driller N. Short
H&A Rep. R. Lydell
Elevation Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		-	-	Rig Make & Model: CME Geoprobe Truck
Inside Diameter (in.)	-	-	-	Bit Type: / Drill Mud:
Hammer Weight (lb)	-	-	-	Casing:
Hammer Fall (in.)	-	-	-	Hoist/Hammer: - / PID Make & Model:

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	PID Readings (ppm)	USCS Symbol	Stratum Change Elev/Depth (ft)	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		G1 38	0.0 4.0		SW	0.3	-ASPHALT-										
				0.0	SP	1.0	Brown well graded SAND with gravel (SW), mps 1 mm, no odor, moist/dry										
				220			Fine brown poorly graded SAND (SP), mps <1 mm, slight "carbon-like" odor, moist/dry										
				78													
5		G2 48	4.0 8.0	50.1 11.9													
				3.5													
				3.3		8.0	Wet at 8.0 ft										
		G3 20	8.0 10.0	0.0	SW-SM		Fine brown poorly graded SAND with silt (SW-SM), mps <1 mm, slight "carbon-like odor", wet										
10		G4 20	10.0 14.0	0.0 0.0	SW-SM		Similar to G3 except increase in silt content with depth										
				0.0													
				0.0													
				0.0	ML	13.5	Brown SILT with sand (ML), mps 0.5 cm, no odor, wet, occasional gravel										
		G5 30	14.0 18.0	0.0	ML		Gray sandy SILT (ML), mps 1.0 in., no odor, moist, occasional gravel										
15				0.0													
				0.0													
				0.0													
		G6 24	18.0 20.0	0.0	ML		Similar to G5										
20		G7 38	20.0 24.0	0.0	ML		Similar to G6 except soft, wet, mps < 1 cm										
				0.0													
				0.0													
				0.0		23.5											
		G8 48	24.0	0.0	SM		Gray silty SAND (SM), mps < 1mm, no odor, wet										
25																	

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary
Overburden (ft) 30
Rock Cored (ft) -
Samples 9G

Boring No. SB-01

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

***Note: Maximum particle size is determined by direct observation within the limitations of sampler size.**

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-GEOPROBE-09 W/ PID HA-LIB09.GLB HA-TB+CORE+WELL-07-1.GDT G:\35294-000_71 & 99 MARSH RD\006\GINT\35294-006GEO.GPJ 8 Sep 14

HALEY & ALDRICH

GEOPROBE REPORT

Boring No. SB-01
File No. 35294-006
Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	PID Readings (ppm)	USCS Symbol	Stratum Change Elev/Depth (ft)	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
25			28.0	0.0													
				0.0													
				0.0													
		G9 24	28.0 30.0	0.0	SM		Similar to G8										
				0.0													
30						30.0	BOTTOM OF EXPLORATION 30.0 FT										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. SB-01

HALEY & ALDRICH

GEOPROBE REPORT

Boring No. SB-02

Project	Supplemental Investigation, Former Autohaus Facility, 99 Marsh Road, Rochester, New York
Client	99 March Road, Real Estate Holdings, LLC
Contractor	Nothangle Drilling Inc.

File No. 35294-006
Sheet No. 1 of 2
Start 18 August 2014
Finish 18 August 2014
Driller N. Short
H&A Rep. R. Lydell
Elevation Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		-	-	Rig Make & Model: CME Geoprobe Truck
Inside Diameter (in.)	-	-	-	Bit Type: / Drill Mud:
Hammer Weight (lb)	-	-	-	Casing:
Hammer Fall (in.)	-	-	-	Hoist/Hammer: - / PID Make & Model:

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	PID Readings (ppm)	USCS Symbol	Stratum Change Elev/Depth (ft)	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		G1 39	0.0 4.0	0.0	SW	0.3	-ASPHALT-										
				0.0	SP	0.9	Well graded SAND with gravel (SW), mps 0.5 mm, no odor, moist/dry										
				0.0			Fine poorly graded SAND (SP), mps <1 mm, no odor, moist/dry										
				0.0													
		G2 36	4.0 8.0	0.0													
5				0.0													
				0.0	SP-SM	6.0	Similar to G2 except with silt										
				0.0													
							Wet at 7.6 ft										
		G3 48	8.0 12.0	0.0													
10				0.0	ML	9.3	Soft brown SILT with sand ((ML), mps <1 mm, no odor, wet										
				0.0	ML		Red SILT with sand (ML), mps 1 mm, no odor, wet										
				0.0													
		G4 30	12.0 16.0	0.0													
				0.0													
15				0.0													
				0.0	ML		Gray sandy SILT with gravel (ML), mps 1 mm, no odor, moist										
		G5 48	16.0 20.0	0.0													
				0.0													
				0.0													
20		G6 24	20.0 24.0	0.0	ML		Gray SILT with sand (ML), mps <1 mm, no odor, moist/wet										
				0.0													
				0.0													
				0.0													
		G7 30	24.0	0.0	ML		Similar to G6										
25																	

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary
Overburden (ft) 28
Rock Cored (ft) -
Samples 7G

Boring No. SB-02

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Medium H - High V - Very High

***Note: Maximum particle size is determined by direct observation within the limitations of sampler size.**

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-GEOPROBE-09 W/ PID HA-LIB09.GLB HA-TB+CORE+WELL-07-1.GDT G:\35294-000_71 & 99 MARSH RD\006\GINT\35294-006GEO.GPJ 8 Sep 14

HALEY & ALDRICH

GEOPROBE REPORT

Boring No. SB-02
File No. 35294-006
Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	PID Readings (ppm)	USCS Symbol	Stratum Change Elev/Depth (ft)	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
25			28.0	0.0													
				0.0													
				0.0	ML		Similar to G7 Refusal at 28.0 ft										
						28.0	BOTTOM OF EXPLORATION 28.0 FT										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. SB-02

HALEY & ALDRICH

GEOPROBE REPORT

Boring No. SB-03

Project	Supplemental Investigation, Former Autohaus Facility, 99 Marsh Road, Rochester, New York
Client	99 March Road, Real Estate Holdings, LLC
Contractor	Nothangle Drilling Inc.

File No. 35294-006
Sheet No. 1 of 2
Start 18 August 2014
Finish 18 August 2014
Driller N. Short
H&A Rep. R. Lydell
Elevation
Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		-	-	Rig Make & Model: CME Geoprobe Truck
Inside Diameter (in.)	-	-	-	Bit Type:
Hammer Weight (lb)	-	-	-	Drill Mud:
Hammer Fall (in.)	-	-	-	Casing:
				Hoist/Hammer: -
				PID Make & Model:

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	PID Readings (ppm)	USCS Symbol	Stratum Change Elev/Depth (ft)	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		G1 48	0.0 4.0	0.0	SW	0.3	-ASPHALT-										
				0.1	SP	1.0	Brown well graded SAND with gravel (SW), mps 1.0 in., no odor, moist/dry										
				0.1			Poorly graded fine SAND (SP), mps < 1 mm, no odor, moist/dry										
		G2 42	4.0 8.0	0.0													
5				0.0													
				0.0		6.0											
				0.0	SP-SM		Similar to G2 except with silt Wet at 7.5 ft										
		G3 36	8.0 12.0	0.0		9.3											
10				0.0													
				0.0													
		G4 38	12.0 16.0	0.0													
				0.0	ML		Gray sandy SILT with gravel (ML), mps 1 cm, no odor, moist/wet										
15				0.0													
				0.0													
		G5 36	16.0 20.0	0.0													
				0.0	ML		Similar to G4										
20				0.0													
				0.0													
		G6 32	20.0 24.0	0.0													
				0.0	ML		Similar to G5										
				0.0													
				0.0													
		G7 30	24.0	0.0	ML		Similar to G6										
25																	

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	28
Rock Cored (ft)	-
Samples	7G

Boring No. SB-03

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Medium H - High V - Very High

***Note: Maximum particle size is determined by direct observation within the limitations of sampler size.**

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-GEOPROBE-09 W/ PID HA-LIB09.GLB HA-TB+CORE+WELL-07-1.GDT G:\35294-000_71 & 99 MARSH RD\006\GINT\35294-006GEO.GPJ 8 Sep 14

HALEY & ALDRICH

GEOPROBE REPORT

Boring No. SB-03
File No. 35294-006
Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	PID Readings (ppm)	USCS Symbol	Stratum Change Elev/Depth (ft)	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
25			28.0	0.0													
				0.0													
				0.0	ML		Similar to G7 Refusal at 28.0 ft										
						28.0	BOTTOM OF EXPLORATION 28.0 FT										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. SB-03

HALEY & ALDRICH

GEOPROBE REPORT

Boring No. SB-04

Project	Supplemental Investigation, Former Autohaus Facility, 99 Marsh Road, Rochester, New York
Client	99 March Road, Real Estate Holdings, LLC
Contractor	Nothangle Drilling Inc.

File No. 35294-006
Sheet No. 1 of 2
Start 18 August 2014
Finish 18 August 2014
Driller N. Short
H&A Rep. R. Lydell
Elevation Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		-	-	Rig Make & Model: CME Geoprobe Truck
Inside Diameter (in.)	-	-	-	Bit Type:
Hammer Weight (lb)	-	-	-	Drill Mud:
Hammer Fall (in.)	-	-	-	Casing:
				Hoist/Hammer: -
				PID Make & Model:

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	PID Readings (ppm)	USCS Symbol	Stratum Change Elev/Depth (ft)	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		G1 48	0.0 4.0	0.0	SW	0.3	-ASPHALT-										
				0.0	SP	1.0	Brown well graded SAND with gravel (SW), mps <1 cm, no odor, moist/dry										
				0.0			Brown poorly graded fine SAND (SP), mps 1 mm, no odor, moist/dry										
				0.0													
5		G2 48	4.0 8.0	0.0													
				0.0													
				0.0													
				0.0	ML	6.6	Sandy SILT (ML), mps <1 mm, no odor, moist to wet										
				0.0	SP	7.1	Brown poorly graded fine SAND (SP), mps 1 mm, no odor, wet										
		G3 32	8.0 12.0	0.0													
10				0.0													
				0.0													
		G4 34	12.0 16.0	0.0													
				0.0	SP		Similar to G3										
				0.0													
15				0.0	ML	15.5	Gray sandy SILT with gravel (ML), mps 1 cm, no odor, moist/wet										
		G5 30	16.0 19.0	0.0													
				0.0													
				0.0													
		S6 36	19.0 23.0	0.0	ML		Similar to G5 above except no gravel, silt content increases with depth										
20				0.0													
				0.0													
				0.0	SP-SM		Poorly graded SAND with silt (SP-SM), mps <1 mm, no odor, wet										
		G7 40	23.0 27.0	0.0													
				0.0													
25																	

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	30
Rock Cored (ft)	-
Samples	8G

Boring No. SB-04

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Medium H - High V - Very High

***Note: Maximum particle size is determined by direct observation within the limitations of sampler size.**

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-GEOPROBE-09 W/ PID HA-LIB09.GLB HA-TB+CORE+WELL-07-1.GDT G:\35294-000_71 & 99 MARSH RD\006\GINT\35294-006GEO.GPJ 8 Sep 14

HALEY & ALDRICH

GEOPROBE REPORT

Boring No. SB-04
File No. 35294-006
Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	PID Readings (ppm)	USCS Symbol	Stratum Change Elev/Depth (ft)	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
25				0.0	SP-SM		Similar to G7										
				0.0													
		G8 36	27.0 30.0	0.0													
				0.0	SP-SM		Similar to G8										
				0.0													
30						30.0	BOTTOM OF EXPLORATION 30.0 FT										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. SB-04

OBSERVATION WELL INSTALLATION REPORT

HALEY & ALDRICH

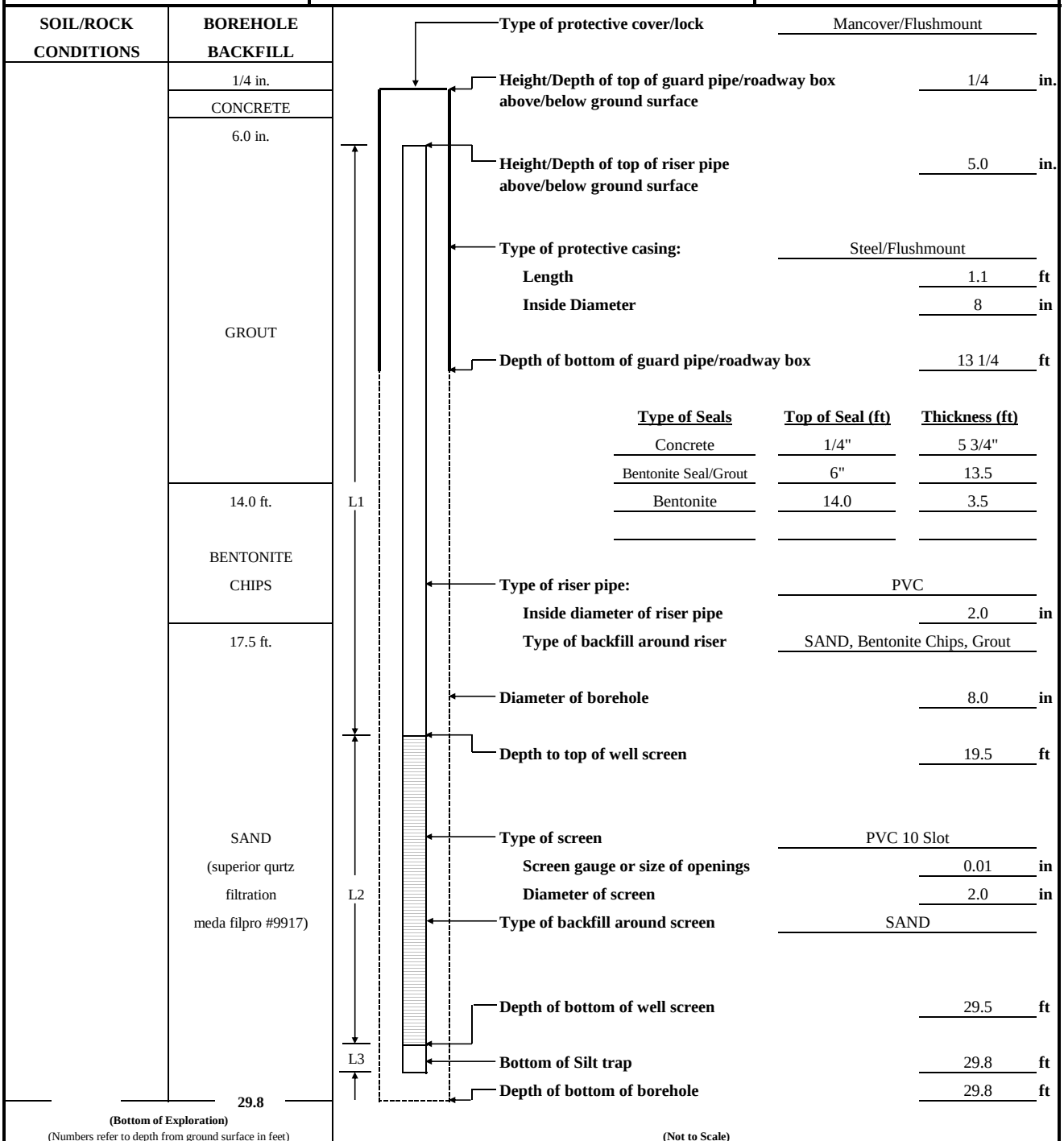
Well No. MW-101
Boring No. SB-04

PROJECT	Supplemental Investigation	**H&A FILE NO.**	35294-006
LOCATION	Former Autohas Fachility, 99 Marsh Rd., E Rochester, NY	**PROJECT MGR.**	M. Ramsdell
CLIENT	99 Marsh Rd. Real Estate Holdings, LLC	**FIELD REP.**	R. Lydell
CONTRACTOR	Nothnagle Drilling, Inc.	**DATE INSTALLED**	8/18/2014
DRILLER	N. Short	**WATER LEVEL**	

Ground El. ____ ft
El. Datum ____

Location ____

☐ **Guard Pipe**
☑ **Roadway Box**



19.1 ft	+	10 ft	+	0.3 ft	=	29.4 ft
Riser Pay Length (L1)		Length of screen (L2)		Length of silt trap (L3)		Pay length

COMMENTS:

HALEY & ALDRICH

GEOPROBE REPORT

Boring No. SB-05

Project	Supplemental Investigation, Former Autohaus Facility, 99 Marsh Road, Rochester, New York
Client	99 March Road, Real Estate Holdings, LLC
Contractor	Nothangle Drilling Inc.

File No. 35294-006
Sheet No. 1 of 2
Start 19 August 2014
Finish 19 August 2014
Driller N. Short
H&A Rep. R. Lydell
Elevation Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		-	-	Rig Make & Model: CME Geoprobe Truck
Inside Diameter (in.)	-	-	-	Bit Type:
Hammer Weight (lb)	-	-	-	Drill Mud:
Hammer Fall (in.)	-	-	-	Casing:
				Hoist/Hammer: -
				PID Make & Model:

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	PID Readings (ppm)	USCS Symbol	Stratum Change Elev/Depth (ft)	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		G1 42	0.0 4.0	220	SW SP	0.3 0.9	-ASPHALT- Well graded SAND with gravel (SW), mps 1 cm, slight "carbon-like odor", moist/dry										
				280			Medium dense brown poorly graded fine SAND (SP), mps <1 mm, carbon-like odor, moist/dry										
				330													
		G2 36	4.0 8.0	452													
5				70.2													
				66.9			Similar to G1										
				54.3													
		G3 38	8.0 12.0	6.8			Wet at 8.6 ft, increase in SILT with depth										
10				5.3													
				7.1													
		G4 36	12.0 15.0	2.2		12.5											
				1.8	SP-SM		Poorly graded SAND with silt (SP-SM), mps <1 mm, no odor, wet										
				1.3	ML	14.0	Gray sandy SILT with gravel (ML), mps 1 cm, no odor, moist/wet										
15		G5 25	15.0 19.0	0.8													
				0.0													
				0.0													
				0.0													
		G6 32	19.0 25.0	0.0													
20				0.0	ML		Gray sandy SILT (ML), mps <1 mm, no odor, moist										
				0.0													
				0.0													
				0.0	SP-SM	23.0	Poorly graded SAND with silt (SP-SM), mps 1 mm, no odor, wet										
				0.0													
25																	

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	30
Rock Cored (ft)	-
Samples	8G

Boring No. SB-05

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Medium H - High V - Very High

***Note: Maximum particle size is determined by direct observation within the limitations of sampler size.**

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-GEOPROBE-09 W/ PID HA-LIB09.GLB HA-TB+CORE+WELL-07-1.GDT G:\35294-000_71 & 99 MARSH RD\006\GINT\35294-006GEO.GPJ 8 Sep 14

HALEY & ALDRICH

GEOPROBE REPORT

Boring No. SB-05
File No. 35294-006
Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	PID Readings (ppm)	USCS Symbol	Stratum Change Elev/Depth (ft)	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
25		G7 30	25.0 27.0	0.0 0.0													
		G8 36	27.0 30.0	0.0 0.0 0.0	SP-SM		Similar to G7										
30						30.0	BOTTOM OF EXPLORATION 30.0 FT										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. SB-05

Well Completion Details

OBSERVATION WELL INSTALLATION REPORT

HALEY & ALDRICH

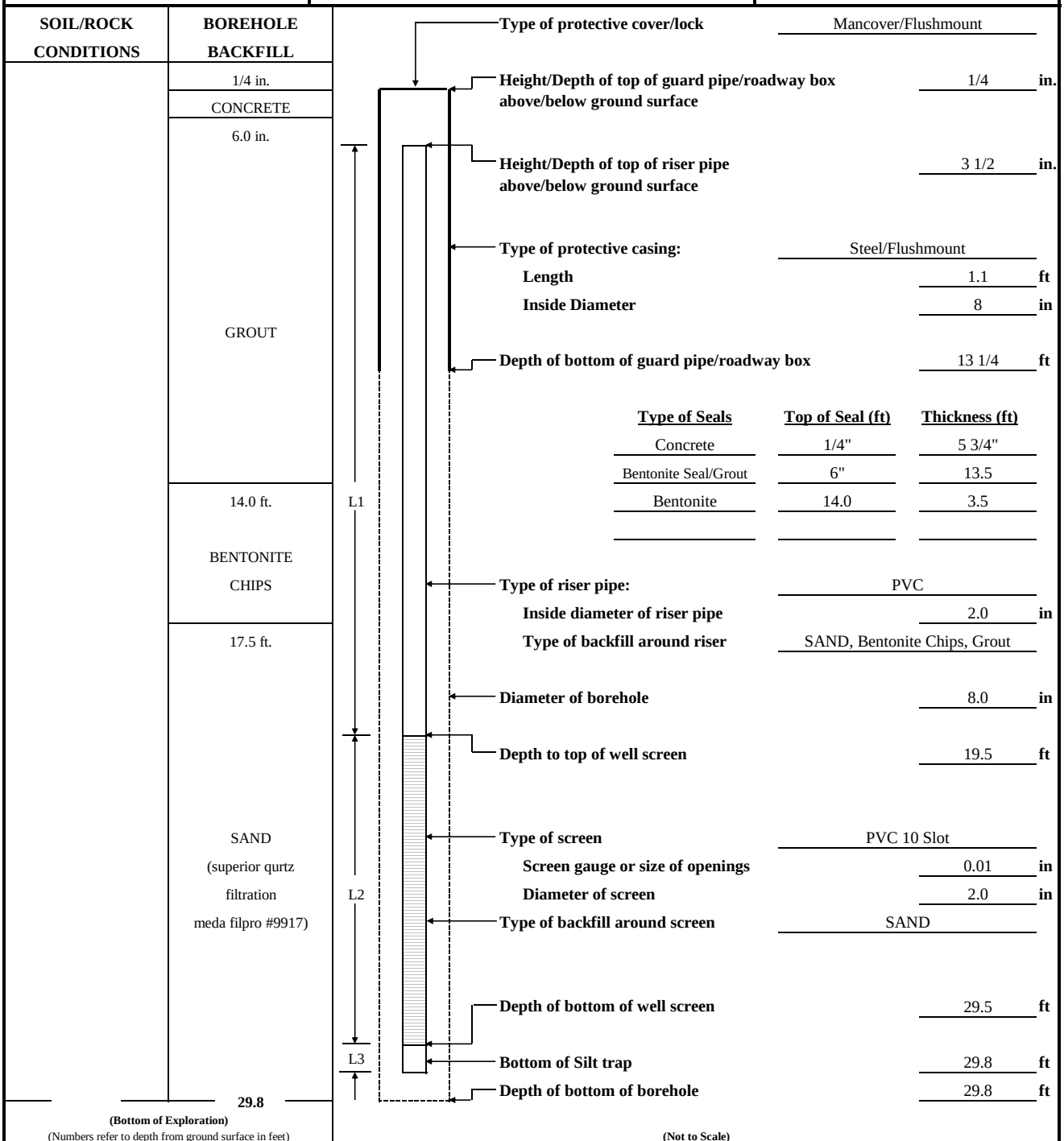
Well No. MW-102
Boring No. SB-05

PROJECT	Supplemental Investigation	**H&A FILE NO.**	35294-006
LOCATION	Former Autohas Fachility, 99 Marsh Rd., E Rochester, NY	**PROJECT MGR.**	M. Ramsdell
CLIENT	99 Marsh Rd. Real Estate Holdings, LLC	**FIELD REP.**	R. Lydell
CONTRACTOR	Nothnagle Drilling, Inc.	**DATE INSTALLED**	8/19/2014
DRILLER	N. Short	**WATER LEVEL**	

Ground El. ____ ft
El. Datum ____

Location ____

☐ **Guard Pipe**
☑ **Roadway Box**



19.2 ft	+	10 ft	+	0.3 ft	=	29.5 ft
Riser Pay Length (L1)		Length of screen (L2)		Length of silt trap (L3)		Pay length

COMMENTS:

HALEY & ALDRICH

GEOPROBE REPORT

Boring No. SB-06

Project	Supplemental Investigation, Former Autohaus Facility, 99 Marsh Road, Rochester, New York
Client	99 March Road, Real Estate Holdings, LLC
Contractor	Nothangle Drilling Inc.

File No. 35294-006
Sheet No. 1 of 1
Start 19 August 2014
Finish 19 August 2014
Driller N. Short
H&A Rep. R. Lydell
Elevation Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		-	-	Rig Make & Model: CME Geoprobe Truck
Inside Diameter (in.)	-	-	-	Bit Type:
Hammer Weight (lb)	-	-	-	Drill Mud:
Hammer Fall (in.)	-	-	-	Casing:
				Hoist/Hammer: -
				PID Make & Model:

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	PID Readings (ppm)	USCS Symbol	Stratum Change Elev/Depth (ft)	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		G1 40	0.0 4.0	0.0	SW	0.3	-ASPHALT-										
				0.0	SP	1.0	Well graded SAND with gravel (SW), mps 1 cm, no odor, moist/dry										
				0.0			Brown poorly graded fine SAND (SP), mps <1 mm, "carbon-like odor", moist/dry										
				0.0													
		G2 34	4.0 8.0	0.0	SP		Similar to G1										
5				0.0													
				0.0													
				0.0			Moist at 7.6 ft										
		G3 40	8.0 12.0	0.0			Wet at 9.0 ft										
				0.0	SP		Similar to above except increase in silt content										
10				0.0	SP-SM	10.0	Poorly graded SAND with silt (SP-SM)										
				0.0													
		G4 48	12.0 16.0	0.0	SP-SM		Similar to G3										
				0.0													
				0.0													
15				0.0	ML	15.0	Medium stiff gray sandy SILT with gravel (ML), mps 1 cm, no odor, moist										
		G5 30	16.0 20.0	0.0													
				0.0	ML		Similar to G4										
				0.0													
				0.0													
20						20.0	BOTTOM OF EXPLORATION 20.0 FT										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	20
Rock Cored (ft)	-
Samples	5G

Boring No. SB-06

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Medium H - High V - Very High

***Note: Maximum particle size is determined by direct observation within the limitations of sampler size.**

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

HALEY & ALDRICH

GEOPROBE REPORT

Boring No. SB-07

Project	Supplemental Investigation, Former Autohaus Facility, 99 Marsh Road, Rochester, New York
Client	99 March Road, Real Estate Holdings, LLC
Contractor	Nothangle Drilling Inc.

File No. 35294-006
Sheet No. 1 of 1
Start 19 August 2014
Finish 19 August 2014
Driller N. Short
H&A Rep. R. Lydell
Elevation Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		-	-	Rig Make & Model: CME Geoprobe Truck
Inside Diameter (in.)	-	-	-	Bit Type:
Hammer Weight (lb)	-	-	-	Drill Mud:
Hammer Fall (in.)	-	-	-	Casing:
				Hoist/Hammer: -
				PID Make & Model:

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	PID Readings (ppm)	USCS Symbol	Stratum Change Elev/Depth (ft)	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		G1 36	0.0 4.0	0.0	SW	0.3	-ASPHALT-										
				0.0	SP	0.9	Well graded SAND with gravel (SW), mps 1 cm, no odor, moist/dry										
				0.0			Poorly graded fine SAND (SP), mps <1 mm, no odor, moist/dry										
				0.0													
		G2 30	4.0 8.0	0.0	SP		Similar to G1										
5				0.0													
				0.0													
				0.0													
		G3 40	8.0 12.0	0.0													
				0.0		9.0	Wet at 9.0 ft										
10				0.0	SP-SM		Poorly graded fine SAND with silt (SP-SM), mps <1 mm, no odor, wet										
				0.0													
		G4 30	12.0 16.0	0.0	SP-SM		Similar to G3										
				0.0													
				0.0													
15				0.0	ML	15.5	Gray sandy SILT with gravel (ML), mps 1 cm, no odor, moist										
		G5 32	16.0 20.0	0.0	ML		Similar to G4										
				0.0													
				0.0													
20						20.0	BOTTOM OF EXPLORATION 20.0 FT										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	20
Rock Cored (ft)	-
Samples	5G

Boring No. SB-07

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Medium H - High V - Very High

***Note: Maximum particle size is determined by direct observation within the limitations of sampler size.**

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

OBSERVATION WELL INSTALLATION REPORT

HALEY & ALDRICH

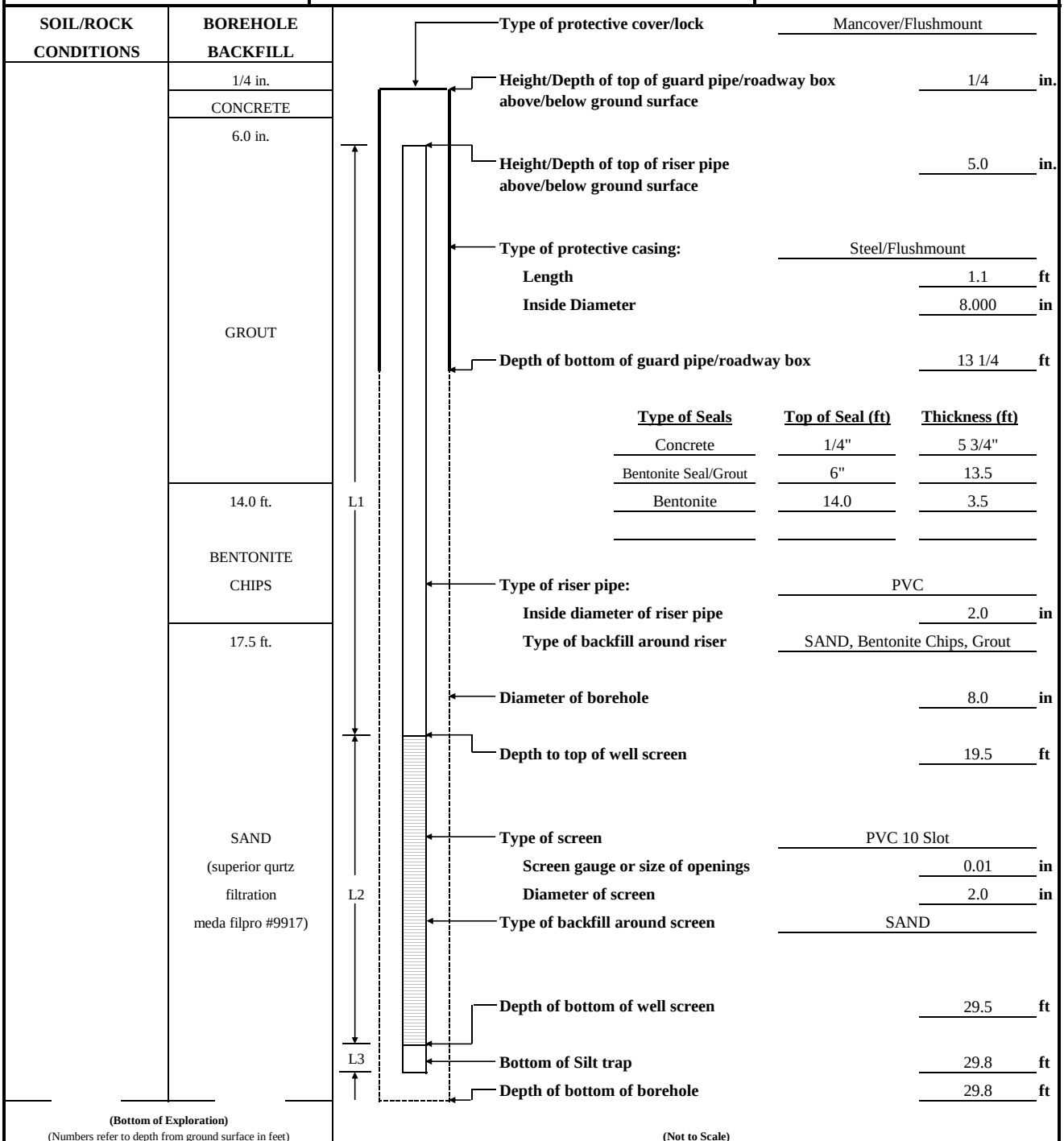
Well No. MW-101
Boring No. SB-04

PROJECT	Supplemental Investigation	**H&A FILE NO.**	35294-006
LOCATION	Former Autohas Fachility, 99 Marsh Rd., E Rochester, NY	**PROJECT MGR.**	M. Ramsdell
CLIENT	99 Marsh Rd. Real Estate Holdings, LLC	**FIELD REP.**	R. Lydell
CONTRACTOR	Nothnagle Drilling, Inc.	**DATE INSTALLED**	8/18/2014
DRILLER	N. Short	**WATER LEVEL**	

Ground El. ____ ft
El. Datum ____

Location ____

☐ **Guard Pipe**
☑ **Roadway Box**



Type of protective cover/lock Mancover/Flushmount

Height/Depth of top of guard pipe/roadway box above/below ground surface 1/4 **in.**

Height/Depth of top of riser pipe above/below ground surface 5.0 **in.**

Type of protective casing: Steel/Flushmount
Length 1.1 **ft**
Inside Diameter 8.000 **in**

Depth of bottom of guard pipe/roadway box 13 1/4 **ft**

Type of Seals	Top of Seal (ft)	Thickness (ft)
Concrete	1/4"	5 3/4"
Bentonite Seal/Grout	6"	13.5
Bentonite	14.0	3.5

Type of riser pipe: PVC
Inside diameter of riser pipe 2.0 **in**
Type of backfill around riser SAND, Bentonite Chips, Grout

Diameter of borehole 8.0 **in**

Depth to top of well screen 19.5 **ft**

Type of screen PVC 10 Slot
Screen gauge or size of openings 0.01 **in**
Diameter of screen 2.0 **in**
Type of backfill around screen SAND

Depth of bottom of well screen 29.5 **ft**

Bottom of Silt trap 29.8 **ft**

Depth of bottom of borehole 29.8 **ft**

19.1 ft	+	10 ft	+	0.3 ft	=	29.4 ft
Riser Pay Length (L1)		Length of screen (L2)		Length of silt trap (L3)		Pay length

COMMENTS:

Form 2007

OBSERVATION WELL INSTALLATION REPORT

HALEY & ALDRICH

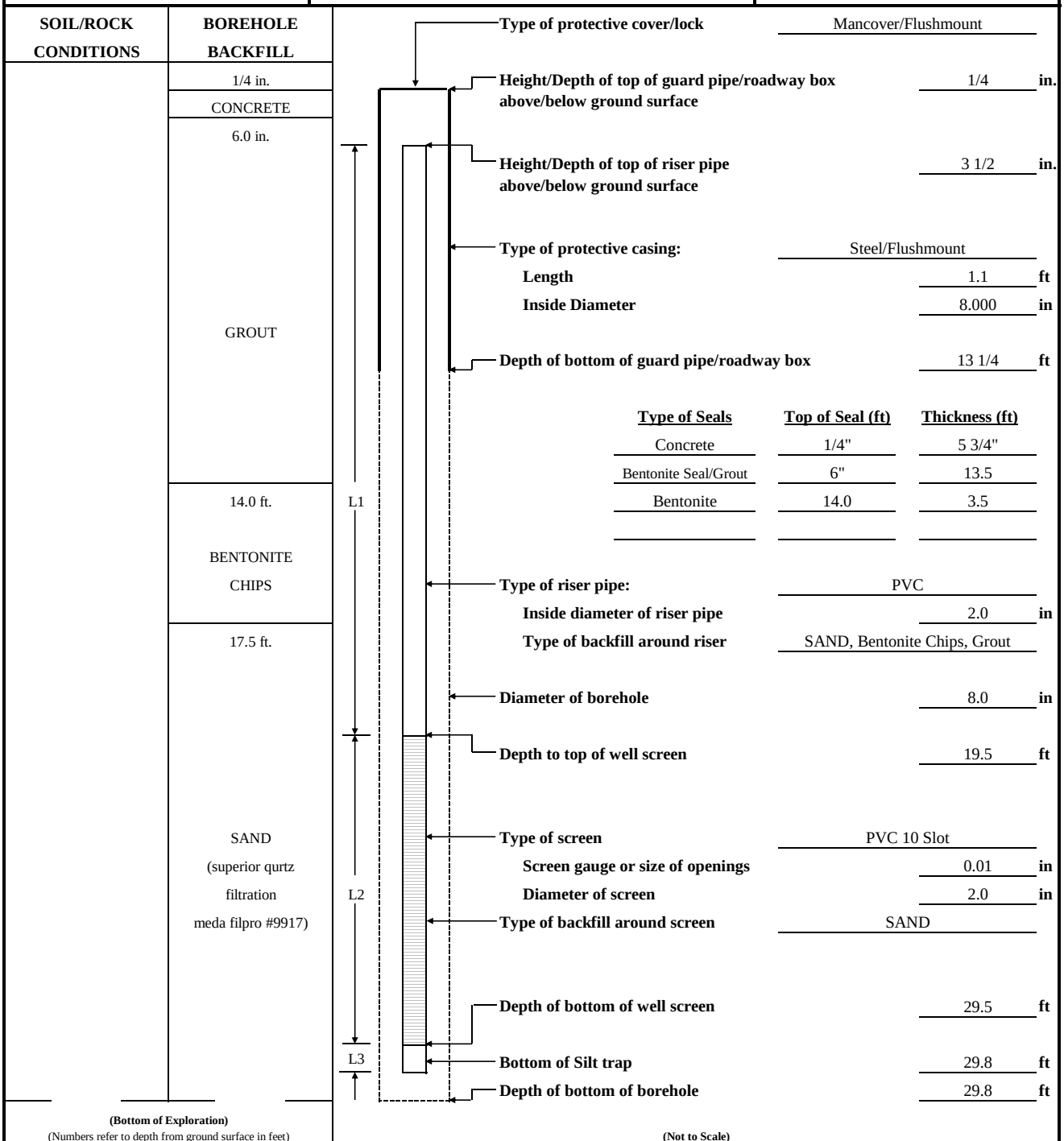
Well No. MW-102
Boring No. SB-05

PROJECT	Supplemental Investigation	**H&A FILE NO.**	35294-006
LOCATION	Former Autohas Fachility, 99 Marsh Rd., E Rochester, NY	**PROJECT MGR.**	M. Ramsdell
CLIENT	99 Marsh Rd. Real Estate Holdings, LLC	**FIELD REP.**	R. Lydell
CONTRACTOR	Nothnagle Drilling, Inc.	**DATE INSTALLED**	8/19/2014
DRILLER	N. Short	**WATER LEVEL**	

Ground El. ____ ft
El. Datum ____

Location ____

☐ **Guard Pipe**
☑ **Roadway Box**



Type of protective cover/lock Mancover/Flushmount

Height/Depth of top of guard pipe/roadway box above/below ground surface 1/4 **in.**

Height/Depth of top of riser pipe above/below ground surface 3 1/2 **in.**

Type of protective casing: Steel/Flushmount
Length 1.1 **ft**
Inside Diameter 8.000 **in**

Depth of bottom of guard pipe/roadway box 13 1/4 **ft**

Type of Seals	Top of Seal (ft)	Thickness (ft)
Concrete	1/4"	5 3/4"
Bentonite Seal/Grout	6"	13.5
Bentonite	14.0	3.5

Type of riser pipe: PVC
Inside diameter of riser pipe 2.0 **in**
Type of backfill around riser SAND, Bentonite Chips, Grout

Diameter of borehole 8.0 **in**

Depth to top of well screen 19.5 **ft**

Type of screen PVC 10 Slot
Screen gauge or size of openings 0.01 **in**
Diameter of screen 2.0 **in**
Type of backfill around screen SAND

Depth of bottom of well screen 29.5 **ft**

Bottom of Silt trap 29.8 **ft**

Depth of bottom of borehole 29.8 **ft**

19.2 ft	+	10 ft	+	0.3 ft	=	29.5 ft
Riser Pay Length (L1)		Length of screen (L2)		Length of silt trap (L3)		Pay length

COMMENTS: