PRESTON ROAD WELL INSTALLATION AND GROUNDWATER SAMPLING RESULTS REPORT

Leica, Inc. Site
Eggert and Sugar Roads
Town of Cheektowaga, Erie County, New York
Site ID Number 915156

Prepared for

Leica Inc., c/o Videojet Tech
1500 Mittell Boulevard
Wood Dale, IL 60191

and

New York State Department of Environmental Conservation, Region 9
270 Michigan Avenue
Buffalo, New York 14203-2999

October 2010

ENERGYSOLUTIONS

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Paul W. Martell, Jr. 10/13/10

Paul W. Martell, Jr., LEP **Date**
Hydrogeologist

Robert E. McPeak 10/13/10

Robert E. McPeak, Jr., P.E., LEP **Date**
Manager, Environmental Services

ENERGYSOLUTIONS

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Appendices

1.0 INTRODUCTION

This report presents the results of a limited offsite groundwater investigation that was performed at the former Leica, Inc. Site located at the corner of Eggert and Sugar Roads in Cheektowaga, New York (Inactive Hazardous Waste Disposal Site No. 915156). This investigation was based on the results of previous groundwater sampling events and an offsite vapor intrusion assessment at several residences south of the Leica site. The Site location is shown on Figure 1.

This report describes the activities associated with the installation of five new monitoring wells in the residential neighborhood downgradient of the Leica, Inc. site. Also included are the results of the second quarter groundwater sampling event conducted at the Leica, Inc. site in July 2010 which includes groundwater sample results for these five new monitoring wells.

1.1 Background Information

In a letter dated April 22, 2008, the New York State Department of Environmental Conservation (NYSDEC) expressed concern regarding volatile organic compound (VOC) detections in wells at the south side of the site, up-gradient of a residential neighborhood on Rowan Road. In response to the letter, Energy*Solutions* prepared plans to assess VOC impacts in the area. The NYSDEC recommended vapor intrusion sampling of selected homes on Rowan Road, along with the installation of additional groundwater monitoring wells on the south side of Rowan Road. Sampling plans were prepared and approved by NYSDEC and the New York State Department of Health (NYSDOH) by letter dated January 21, 2009. The indoor air sampling and groundwater monitoring plans were implemented in March of 2009, and a final report dated May 15, 2009 was submitted to the NYSDEC.

Based upon the indoor air results for the Rowan Road residences, and the groundwater sample results for the two new well pairs installed on Rowan Road, the NYSDEC requested additional indoor air sampling of residences on Preston Road, and the installation of additional groundwater monitoring wells on Rowan Road and Preston Road. A Groundwater Monitoring Well Installation and Vapor Intrusion Investigation Work Plan was submitted to the NYSDEC on December 28, 2009. After modification, the Work Plan was approved after modification by the NYSDEC on January 12, 2010. The vapor intrusion sampling was conducted in March 2010 and the results reported to the NYSDEC in September 2010.

The activities associated with the well installation and the subsequent groundwater sampling event are documented below.

1.2 Investigation Objectives

The activities described in this report were designed to fill identified data gaps in the groundwater data. Specifically, the investigation was designed to provide groundwater quality data downgradient of the Leica site. Based on NYSDEC comments, an additional well pair, MW-27, was installed to the west of the MW-26 well pair to delineate the western boundary of the contaminant plume. An additional well pair, MW-28, was installed on Preston Road, downgradient of the MW-26 well pair. An additional bedrock monitoring well, MW-29A, was installed further south along Preston Road, and downgradient from the MW-28 well pair. Locations of the five new monitoring wells are shown on Figure 2.

2.0 FIELD INVESTIGATIONS

This section presents a description of the field activities conducted by Energy*Solutions*. Field activities included the installation of two overburden monitoring wells (MW-27 and MW-28) and three shallow bedrock monitoring wells (MW-27A, MW-28A, and MW-29A), and the collection of a round of quarterly groundwater monitoring samples.

Prior to the monitoring well installation field work, access and approval for each borehole location was secured from the Town of Cheektowaga Town Engineer. Underground utilities were identified and cleared through the Dig Safe New York utility clearance system.

2.1 Borehole Construction and Sampling

During this investigation, five boreholes were advanced and completed as two well pairs and a single well. The first well pair, MW-27 and MW-27A, was installed on the grassy area south of Rowan Road near the corner of Marne Road. The second well pair, MW-28 and MW-28A was installed on the grassy area west of Preston Road, approximately 150 feet south of the intersection with Rowan Road. The single well, MW-29A, was installed approximately 120 feet south of the MW-28 well pair, and also installed in the grassy area west of Preston Road. All wells were installed on the Town of Cheektowaga right-of-way.

The overburden was logged at the three bedrock locations during the installation of the bedrock wells. Borings were advanced using 4.25-inch inside diameter hollow stem augers (HSA). The boreholes were drilled through the unconsolidated materials from ground surface to the top of the bedrock surface at depths of 11.5 feet (MW-27A), 12.5 feet (MW-28A) and 17 feet (MW-29A).

Unconsolidated materials were logged from the ground surface to the top of bedrock. Soil samples were collected using a 4-foot long, 2-inch inside diameter macrocore sampler with disposable acetate liners. Soil lithologies were logged from ground surface to the bedrock surface based on visual evaluation of the soil cores. Soils were described based on appearance according to the Unified Soil Classification Systems (USCS). The soil cores were screened for VOCs using a photo-ionization detector (PID). Results of the PID screening were recorded on the boring log in units of parts per million (ppm). No positive PID readings were encountered and no samples were collected for laboratory analysis. Boring logs with descriptions of materials encountered are included in Appendix A.

Upon reaching the top of bedrock, the HSAs were removed and a temporary steel casing was inserted into the borehole. A 6-inch diameter socket was roller-bitted from 2.5 feet to 3.5 into the bedrock. A 4-inch diameter steel casing was then grouted into place and the temporary casing removed. The grout was allowed to cure a minimum of 24 hours before drilling resumed. After the grout had cured, the bedrock was cored using an NX core (2⅛-inch outside diameter) barrel. Each core run was 10-foot in length and two core runs (20 feet total) were obtained from each well location. Rock cores were screened with a PID for VOCs. The rock encountered was a limestone and the core was described for bedding appearance, fossil content, presence of vugs, fracture content, orientation and weathering, and for the presence of staining, odor, or other indication of the presence of contamination. The cores were measured for percent recovery of the core, and for the rock quality designation (RQD), an indication of the degree of fracturing within the rock. Cores were photographed for a record of the features encountered. Following coring operations, each borehole was enlarged to a 4-inch diameter using a roller bit. Boring logs with core descriptions are included in Appendix A.

2.2 Overburden Monitoring Well Installation

Two overburden monitoring wells, MW-27 and MW-28, were installed within the unconsolidated sediments. The overburden monitoring wells were installed in a borehole drilled next to the initial boring (completed as a bedrock well). No overburden monitoring well was installed adjacent to the MW-29A bedrock well.

Each well was completed with a 5-foot section of nominal 2-inch diameter, schedule 40, flush threaded PVC with 0.010-inch slotted screen. Solid riser was added to the screen section for the well casing to reach ground surface. The annular space around the screen was filled with #00 silica sand to act as a filter pack around the screen. The sand filter pack was extended approximately 2 feet above the top of the screen. A 2-foot layer of bentonite chips were placed above the sand pack. A bentonite grout slurry was placed above the bentonite chips to approximately 1 foot below grade. All monitoring wells were completed with locking caps and flush-mounted road boxes cemented into place.

Monitoring well MW-27 was installed to a depth of 11.5 feet with a screened interval from 11.5 feet to 6.5 feet below grade. Monitoring well MW-28 was completed to a depth of 12.5 feet with a screened interval from 12.5 feet to 7.5 feet below grade. Well completion details are included on the boring logs included in Appendix A.

2.3 Bedrock Monitoring Well Installation

Three bedrock wells, MW-27A, MW-28A, and MW-29A, were installed following coring operations at each location. Each well was cored to the desired depth and completed as a 4-inch open-hole.

Monitoring wells MW-27A and MW-28A were each completed to a total depth of 35 feet, and MW-29A was completed with a total depth of 40 feet. Well completion details are included on the boring logs included in Appendix A.

2.4 Well Development

The overburden wells were developed using disposable polyethylene bailers, and the bedrock wells were developed using the drilling rig pump. The overburden wells were developed by surging the water column with the bailer to flush fine particles from the sand pack. The bedrock wells were developed by surging the water column with the drill tools to remove fine material from the fractures and open hole of the bedrock.

2.5 Groundwater Sampling

Groundwater samples were collected from the five newly installed monitoring wells as part of the quarterly sampling program for the site. Groundwater samples and elevation measurements were collected beginning on July 2, 2010. Groundwater samples were collected from shallow wells MW-5, MW-6, MW-10, MW-14, MW-16R, MW-18, MW-22, MW-24, MW-25, MW-26, MW-27, and MW-28. Groundwater samples were collected from bedrock wells MW-5A, MW-6A, MW-11A, MW-14A, MW-16A, MW-18A, MW-22A, MW-24A, MW-25A, MW-26A, MW-27A, MW-28A, and MW-29A.

The monitoring wells were purged of a minimum of three well volumes, or until the well went dry, prior to sample collection. Bedrock monitoring wells MW-5A, MW-26A, MW-27A, MW-28A, and MW-29A were all noted to have slow to very slow recharge rates. The shallow monitoring wells were purged using disposable polyethylene bailers and nylon rope, and the bedrock wells were purged using a submersible pump. Samples for both the shallow monitoring wells and the bedrock wells were collected using disposable bailers. Select wells were also analyzed for field water quality using a calibrated field meter. The field water quality parameters included pH, temperature, dissolved oxygen, specific conductance, and oxidation-reduction potential (ORP).

All samples collected were submitted under chain-of-custody to Columbia Analytical Services, Inc., located in Rochester, New York, for VOC analysis using EPA Method 8260. Selected samples were also analyzed for additional parameters designed to assess biological activity as proposed in the HRC injection plan.

2.6 Investigation Derived Waste

Soil cuttings, rock cores, sampling supplies and personal protective equipment (PPE) used or generated during well installation were placed in 55-gallon drums and staged at the Leica Site for characterization and management. Decontamination (decon) water and purge water were collected and containerized in 55-gallon drums and disposed through the on-site groundwater treatment system.

3.0 INVESTIGATION RESULTS

This section of the report describes the results of the field investigation including descriptions of the unconsolidated materials encountered during the well installation and descriptions of the visual properties of the bedrock cores. The results of the quarterly groundwater sampling event, which included the five newly installed monitoring wells, are also discussed.

3.1 Unconsolidated Materials

Unconsolidated materials were logged during the installation of bedrock monitoring wells MW-27A, MW-28A, and MW-29A. In general, the top 1 foot to 4 foot of material encountered consisted of light brown silt and clay. Gray green, light brown, and reddish brown silt, clay, or silt and clay combinations constituted the next 9 to 11 feet. An approximately 1 foot (MW-28A), to 6 foot (MW-29A) section of very fine to fine grained gray sand with varying amounts of silt was encountered at the bottom of each boring. The sand layer was the coarsest layer encountered within the borings. The sand layer was wet and is presumably the main water bearing unit within the unconsolidated materials. The sand layer rested directly on bedrock at MW-27A and MW-28A. An approximately 3 foot section of hard and dense gray till was identified below the sand and on top of the bedrock at MW-29A.

There were no odors, visible staining, or PID detections for any interval within the unconsolidated materials.

3.2 Bedrock

Bedrock encountered was a portion of the Morehouse Member of the Onondoga Limestone Formation. The limestone is light gray to gray, fine grained and mostly massively bedded. Rugose and fan corals, brachiopods and other fossil fragments are present. Dark gray chert nodules are intermittently present throughout. Abundant stylolites (pressure solution surfaces of inorganic solids) are present, some with carbonaceous layers which result in parting within the core. There are traces of vugs (small cavities) and open fractures. Core recoveries for all three locations were 100% with RQDs ranging from 91 to 95 indicating dense and competent rock. Specific details noted for each core are described below.

The core for MW-27A appears to be weathered at the top. There are some open vugs, partially filled with calcite, in the rugose corals. There are also small chert nodules, carbonaceous zones and some parting along the stylolites. Below 18.3 feet, there are several small, near vertical factures at an approximately 75° angle. These fractures are filled with calcite. Additional fractures are present at approximately 23 feet, 27 feet, and 33 feet. None of the visible vugs or fractures were stained or produced any PID detections.

The core for MW-28A is similar in appearance to the core for MW-27A. A near vertical, slightly weather fracture is present at the top of the core at 15 feet. A slightly weathered fracture at an approximately 60° angle is present at 19.2 feet, and small near vertical fracture filled with calcite is present at 24.2 feet. A small open vug at a 60° to 70° angle is present at 21.3 feet. A coral with open vugs was present at 26.3 feet. None of the visible vugs or fractures was stained or produced any PID detections.

The core for MW-29A is similar in appearance to the cores for MW-27A and MW-28A. A weathered open fracture was encountered at 36.5 feet, and a small healed fracture was present at 38.9 feet. A small vug was filled with calcite crystals at 23.6 feet. A large open vug was present with small chert nodules at 31.9 feet, and small vugs in coral were present at 33.9 feet.

The core at MW-29A was significantly different than the cores at MW-27A and MW-28A in that petroleum hydrocarbons were detected. A massive coral with abundant open pore space was identified in the 30.7 foot to 31.7 foot interval. The coral was heavily petroleum stained and had an oily odor. The PID registered a maximum reading of 3.4 parts per million for this interval.

Corals with open porosity, staining and petroleum odors have previously been identified within bedrock at the Leica Site. Bedrock cores include MW-13A (20.6 feet to 21.1 feet) and MW-14A (31.1 feet to 32.0 feet). A fuel oil odor was also reported for the 33.4 foot to 35.0 foot interval in MW-14A. A slight petroleum odor was also noted on the boring log for MW-6A at 26 feet. These reports of petroleum were all recorded at depths of 8 feet to 19 feet below the top of the bedrock surface.

Petroleum hydrocarbons present in the core for MW-29A appear to be naturally occurring. No staining, petroleum odor, or PID detections were present in any interval above or below the affected interval. There do not appear to be any associated fractures that could act as a conduit for the petroleum to reach this depth within the bedrock. Additionally, the impacted interval is approximately 13 feet below the top of the bedrock surface, and is more than 500 feet downgradient from the former disposal area at the Leica site.

Additional evidence suggesting the petroleum hydrocarbons encountered within the core of bedrock monitoring well MW-29A are naturally occurring is also available in New York State Geological Survey reports. According to New York Geological Survey, the Onondoga Limestone produces oil and gas from nearly 200 wells in 12 different counties in western New York ("Unconventional" Oil and Gas Plays of New York State, Microsoft PowerPoint Presentation on the Web, 2008). The hydrocarbons are produced from ancient reef structures characterized by rugose corals, as are present in MW-29A. It is likely that the petroleum hydrocarbons are associated with one of these reef structures and thus are part of a small naturally occurring petroleum reservoir.

3.3 Groundwater

The results of groundwater data collected during the July 2010 sampling event are included in this report. During the sampling event, all wells provided sufficient water for sample collection. The results for the five new groundwater monitoring wells and the results for the existing groundwater monitoring well network are briefly discussed separately below. A more thorough discussion of the results will be included as part of the 2010 annual report.

New Monitoring Wells

No VOCs were detected in the groundwater sample collected from monitoring well MW-27. Cis-1,2-dichloroethylene (DCE) was detected at a concentration of 27 micrograms per liter (µg/L) in the groundwater sample collected at MW-28.

Chloroform was detected in all three of the newly installed bedrock wells, MW-27A, MW-28A and MW-29A) at concentrations ranging from 7.6 µg/L to 9.4 µg/L. The chloroform was likely a residual product of the municipal water used during the installation (coring) of the bedrock wells. Low concentrations of chloroform detected in groundwater samples are typically due to the chlorination of the municipal water supply.

Ethylbenzene at 10 µg/L and total xylenes at 35 µg/L were also detected in the groundwater sample collected from MW-29A. These two constituents are typically associated with petroleum releases. It is believed that the ethylbenzene and xylenes are residual hydrocarbons associated with the small naturally occurring petroleum reservoir in the area and were released during the coring conducted during the installation of bedrock monitoring well MW-29A.

Existing Monitoring Wells

No VOCs were detected in the two shallow wells, MW-25 and MW-26, installed as part of the vapor intrusion program on Rowan Road. Vinyl chloride at 14 µg/L was the only VOC detected in bedrock well MW-25A. DCE and vinyl chloride were detected in bedrock well MW-26A at higher concentrations than in the previous sampling event.

Chlorinated VOC reduction continues to occur in the shallow overburden wells in Area B. VOC concentrations in overburden well MW-18 continue to be non-detect. The chlorinated solvents trichloroethylene (TCE), DCE, and vinyl chloride in MW-16R continue to be non-detect. Chloroethane in MW-16R has been reduced from the previous sampling event, while 1,1-dichloroethane (DCA) concentrations remained the same. Petroleum compounds ethylbenze and total xylenes showed slight increases in concentration from the previous sampling event. DCE and vinyl chloride concentrations in MW-24 continue to show decreases, while the DCA concentration increased slightly from the previous sampling event. Acetone and 2-butanone (methyl ethyl ketone or MEK) are both present in the groundwater samples collected from MW-24. Both of these compounds are believed to be by-products of biologic activity from the HRC injection, and these concentrations are expected to decrease.

Chlorinated VOC reduction also continues to occur in the bedrock well in Area B. TCE, DCE, vinyl chloride, 1,1,1-trichloroethane (TCA), and DCA concentrations all decreased in bedrock well MW-16A. TCE and DCE concentrations in MW-18A showed slight increases from the previous sampling event, while vinyl chloride slightly decreased. DCE, vinyl chloride, and chloroethane concentrations decreased in the groundwater sample collected at MW-24A, while acetone, MEK and DCA all showed slight increases in concentration.

TCE continues to be detected at one location in the shallow overburden at Area C, MW-6 at a concentration of 15 µg/L. The TCE concentrations have been consistent at this location for many years. VOCs were not detected in groundwater samples collected at MW-5 and at downgradient well MW-22. VOC concentrations were similar to the previous sampling event at MW-6, and showed a decrease in concentrations at MW-10. Downgradient well location MW-14 showed increases for both DCE and vinyl chloride.

VOC concentrations in the groundwater samples collected from the bedrock wells in Area C generally showed little change from the previous sampling event. VOC concentrations in MW-5A, MW-6A and MW-11A showed little change other than an increase in MEK concentrations at MW-5A. DCE and vinyl chloride showed a decrease in concentrations at downgradient well location MW-14A. VOCs were not detected in the groundwater sample collected from MW-22A, also located downgradient of Area C.

Groundwater quality data tables and a groundwater elevation data table for the July sampling event are included in Appendix B. Groundwater contour maps and contaminant concentration isopleth figures are included in Appendix C. Laboratory analytical data for the July 2010 groundwater sampling event is included in Appendix D.

4.0 CONCLUSIONS

Five new monitoring wells were installed as part of this investigation; two within the unconsolidated overburden sediments, and three within the bedrock. The unconsolidated sediments encountered within the boreholes were consistent with sediments in nearby wells, consisting of silt and clay layers overlaying a water-bearing very fine to fine silty sand, which lies on top of bedrock. The bedrock encountered was the Onondaga Limestone which was similar to bedrock described from other locations at the site.

A porous coral zone was encountered within the bedrock at monitoring well MW-29A. The coral zone contained petroleum hydrocarbon staining, had a strong petroleum odor, and registered a reading on the PID meter; however, based on the site-specific evidence, it is apparent that the material is naturally occurring. Published literature suggests that the petroleum may be naturally occurring as the Onondaga produces oil and gas throughout western New York. There is no evidence, such as fracturing or staining, that suggest the petroleum hydrocarbons migrated from a surface release. A similar coral zone was noted in MW-6A, MW-13A and MW-14A with stained coral or petroleum odors at depths of 8 feet to 19 feet into bedrock. Further, the depth of the hydrocarbons within the bedrock, and the distance from the Leica site do not indicate that the Leica site is the source area for the petroleum hydrocarbons.

The groundwater analytical data shows that VOCs are not migrating to the west in the vicinity of Rowan Road as evidenced by non-detects for both the overburden and bedrock groundwater samples collected at the MW-27 well pair. This data provides a clear western boundary to the contaminant plume.

DCE is present in the shallow groundwater aquifer at MW-28 at a concentration of 27 µg/L, but is not present in the bedrock aquifer at MW-28A. However, DCE was not detected in the shallow groundwater aquifer at MW-26, a location upgradient from MW-28.

Groundwater analytical results for the Area B pumping well, MW-16A show that the HRC injections in Area B have resulted in decreased VOC concentrations in groundwater. Decreases in VOC concentrations for other Area B groundwater samples suggest that groundwater quality in the area is generally improving.

Groundwater analytical results for Area C suggest that VOC concentrations are also declining in this area. Low concentrations of VOCs or non-detects in some samples, especially downgradient of the Area C excavation show that groundwater quality is improving and is becoming less of a threat for vapor intrusion at residential properties south of the Leica site.

APPENDIX A

BORING LOGS AND WELL COMPLETION REPORT

ENERGYSOLUTIONS
100 Mill Plain Road
Danbury, Connecticut

Borehole: MW-27

Project No.: 137015

Project: Leica

Client: Leica Microsystems

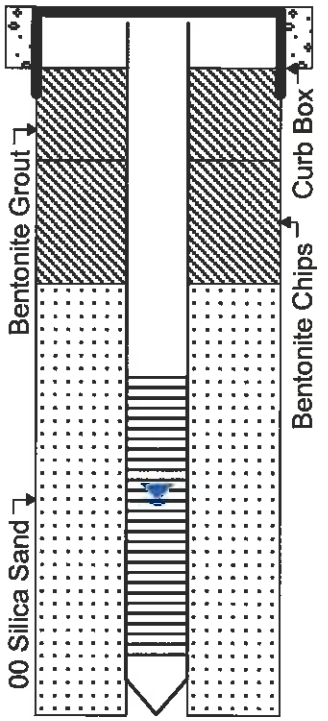
Location: Cheektowaga, New York

Geologist: P. Martell

Project Manager: R. McPeak

Sheet 1 of 1

SUBSURFACE PROFILE			SAMPLE					
Depth	Symbol	Description	Blow Counts	Number	Type	Recovery	Vapor	Well Completion Details
0		Ground Surface						
		Topsoil						
		SAND and **SILT**, F, some clay						
2		**SILT**, brown to tan, some clay, tr fine sand, little F rounded gravel		1		48	0 PPM	
4		**CLAY**, dark gray, little silt						
		SILT and **CLAY**, brown, little F rounded gravel, wet at 8'		2		48	0 ppm	
6								
8		**CLAY**, gray green and silt, wet						
		SILT, gray-graybrown, some F sand, little clay		3		42	0 ppm	
10		**SAND**, gray, fine, some silt, tr clay						
12		**Auger Refusal on Bedrock at 11.5 feet**						
14								
16								
18								
20								



Drilled By: Nothnagle Drilling

Drill Method: Hollow Stem Augers

Hole Size: 8"

Drill Date: May 10-11, 2010

ENERGYSOLUTIONS
100 Mill Plain Road
Danbury, Connecticut

Borehole: MW-27A

Project No.: 137015

Project: Leica

Client: Leica Microsystems

Location: Cheektowaga, New York

Geologist: P. Martell

Project Manager: R. McPeak

Sheet 1 of 2

SUBSURFACE PROFILE			SAMPLE				
Depth	Symbol	Description	Core Run	Recovery %	RQD	PID Reading (ppm)	Well Completion Details
0		Ground Surface					
2		**For unconsolidated materials, see log for MW-27**					
12		**4" casing set in rock socket (11.5'-15')**					
14		**NX Core Beginning at 15'**					
16		**LIMESTONE:** (Onondoga Formation, Morehouse Member): light gray to gray, fine grained, massively bedded, little coral, fossils, cabonaceous partings, abundant stylolites, tr chert. 15.0' weathered at top (possible rubble) 15.7' rugose coral, calcite lined open vugs below stylolite 15.8'-15.9' coral, fossil fragments, small stylolite 16.0' Parting at stylolite, chert nodules 16.3', 16.7', 17.0', 17.1' stylolites 17.1' small chert nodules 18.3'-18.4' small, near vertical fracture, filled with calcite ~75° 18 5'-18.6' healed fracture ~75° 19.0'-20.2' stylolite parting at carboniferous material, tr corals and fossils	1	100	94	0	Curb Box Open bedrock, 15' to 35' –
20							

Drilled By: Nothnagle Drilling

Hole Size: 8"

Drill Method: Hollow Stem Auger/Coring

Drill Date: May 10-11, 2010

ENERGYSOLUTIONS
100 Mill Plain Road
Danbury, Connecticut

Borehole: MW-27A

Project No.: 137015

Project: Leica

Client: Leica Microsystems

Location: Cheektowaga, New York

Geologist: P. Martell

Project Manager: R. McPeak

Sheet 2 of 2

SUBSURFACE PROFILE			SAMPLE				
Depth	Symbol	Description	Core Run	Recovery %	RQD	PID Reading (ppm)	Well Completion Details
22		20.3'-20.4' stylolites, dark banding, possibly disturbed layer 21.0' mechanical break, clean surfaces 21.4' parting at stylolite 21.8'-22.5' disturbed layers, slightly fossiliferous, dark color, breaks at carboniferous stylolites, slightly weathered 22.7'-23.7' fracture, very slightly weathered surface, small 2" vertical calcite filled vug 23.1'-23.3' fan corals 24.0' stylolite 24.5'-24.8' corals, stylolite parting on carbonaceous seam					Open bedrock, 15' to 35'
24							
26		25.5' carbonaceous parting at stylolite 26.2' stylolite 26.2'-26.4' dark gray, disturbed, tr fossils, stylolites					
28		27.0' parting on carbonaceous stylolite, tr fossils 27.0'-27.4' dark gray, carbonaceous, stylolites, possible small fracture 27.4', 27.6', 28.2', 29.4' stylolites					
30			2	100	93	0	
32		29.4'-31.2' massive bedding, fan coral @ 30.5' 31.2'-31.6' disturbed bedding, gray, very fossiliferous					
34		32.5'-32.7' corals 32.9'-33.4. stylolites, fossiliferous, small dark gray chert nodules 33.0'-33.7' fractures, ~70°, slightly weathered 34.8' stylolite **End of core at 35'**					
36							
38							
40							

Drilled By: Nothnagle Drilling

Drill Method: Hollow Stem Auger/Coring

Hole Size: 8"

Drill Date: May 10-11, 2010

ENERGYSOLUTIONS
100 Mill Plain Road
Danbury, Connecticut

Borehole: MW-28

Project No.: 137015

Project: Leica

Client: Leica Microsystems

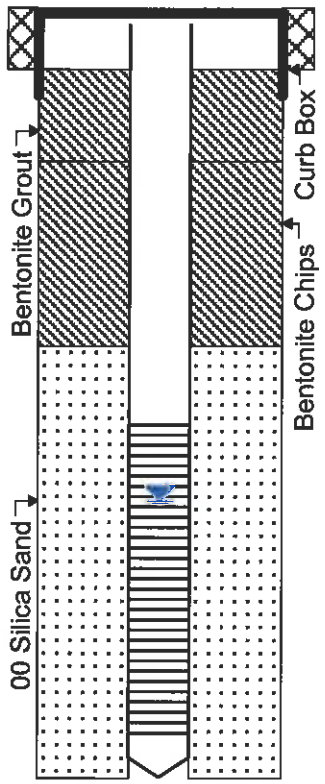
Location: Cheektowaga, New York

Geologist: P. Martell

Project Manager: R. McPeak

Sheet 1 of 1

SUBSURFACE PROFILE			SAMPLE					
Depth	Symbol	Description	Blow Counts	Number	Type	Recovery	Vapor	Well Completion Details
0		Ground Surface						
		Topsoil						
		SAND and **SILT**, brown, F, some clay						
2		**SILT**, dark brown, some clay, little vf sand, tr vf rounded gravel		1		48	0 PPM	
4		**SILT** and **CLAY,** brown to redbrown, tr vf sand						
6				2		48	0 ppm	
8		**SILT** and **CLAY**, brown to graybrown, tr vf rounded gravel, wet at 8'						
10		**SILT**, gray, some clay, tr vf sand, wet		3		48	0 ppm	
12		**SAND**, gray, vf-f, some silt, tr fine rounded gravel		4		3	0 ppm	
		Auger Refusal on Bedrock at 12.5 feet						
14								
16								
18								
20								



Drilled By: Nothnagle Drilling

Drill Method: Hollow Stem Augers

Hole Size: 8"

Drill Date: May 11, 2010

ENERGYSOLUTIONS
100 Mill Plain Road
Danbury, Connecticut

Borehole: MW-28A

Project No.: 137015

Project: Leica

Client: Leica Microsystems

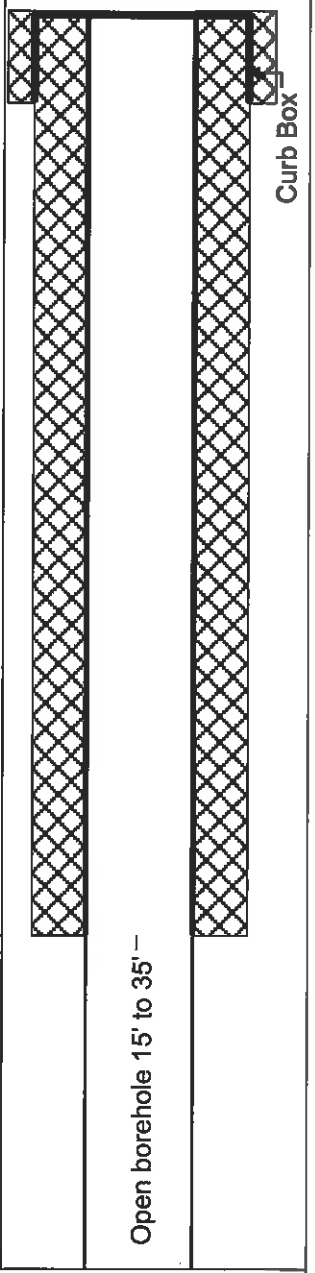
Location: Cheektowaga, New York

Geologist: P. Martell

Project Manager: R. McPeak

Sheet 1 of 2

SUBSURFACE PROFILE			SAMPLE				
Depth	Symbol	Description	Core Run	Recovery %	RQD	PID Reading (ppm)	Well Completion Details
0		Ground Surface					
2		For unconsolidated materials, see log for MW-28					
4							
6							
8							
10							
12		**4" casing set in rock socket (12.5'-15')**					
14		**NX Core Beginning at 15'**					
16		**LIMESTONE:** (Onondoga Formation, Morehouse Member): light gray to gray, fine grained, mostly massively bedded, little to some coral, fossiliferous in portions, occassionally cabonaceous on partings, abundant stylolites, little chert. 15.0'-16.4' Near vertical fracture massive limestone, weathered slightly, stylolite at 15.9'					
18		18.6' stylolites 19.2'-19.8' Fracture at 60°, slightly weathered					
20		19.9' stylolite	1	100	95	0	



Drilled By: Nothnagle Drilling

Hole Size: 8"

Drill Method: Hollow Stem Auger/Coring

Drill Date: May 11-12, 2010

ENERGYSOLUTIONS
100 Mill Plain Road
Danbury, Connecticut

Borehole: MW-28A

Project No.: 137015

Project: Leica

Client: Leica Microsystems

Location: Cheektowaga, New York

Geologist: P. Martell

Project Manager: R. McPeak

Sheet 2 of 2

SUBSURFACE PROFILE			SAMPLE				
Depth	Symbol	Description	Core Run	Recovery %	RQD	PID Reading (ppm)	Well Completion Details
22		21.3' Vug at 60-70° 21.4-21.6' Fossiliferous, brachiopod fragments 22.2', 23.0', 23.5' stylolites 23.5'-23.7' chert nodule 24.2'-24.3' small vertical fractures, healed, filled w/white mineral (calcite?)					
24							
26		25.0'-26.0' fossiliferous 26.3'-26.4' coral w/vugs 26.3'-26.8' fossiliferous 27.2' small corals 27.2'-27.6 fossiliferous					
28							
30		28.5'-29.1' disturbed bedding, some fossils, dk gray, parting on carbonaceous area 29.5' corals	2	100	95	0	Open borehole 15' to 35'
32		31.1'-31.4' fossils, stylolites, parting at stylolite 32.5'-32.7' numerous small, near vetical healed fractures					
34		33.1'-33.6' numerous stylolites 34.0'-34.5' fossiliferous **End of Boring at 35'**					
36							
38							
40							

Drilled By: Nothnagle Drilling

Drill Method: Hollow Stem Auger/Coring

Hole Size: 8"

Drill Date: May 11-12, 2010

ENERGYSOLUTIONS
100 Mill Plain Road
Danbury, Connecticut

Borehole: B-29

Project No.: 137015

Project: Leica

Client: Leica Microsystems

Location: Cheektowaga, New York

Geologist: P. Martell

Project Manager: R. McPeak

Sheet 1 of 1

SUBSURFACE PROFILE			SAMPLE					
Depth	Symbol	Description	Blow Counts	Number	Type	Recovery	Vapor	Well Completion Details
0		Ground Surface						No well installed. Boring for bedrock well MW-29A
		Topsoil						
		SILT and **CLAY**, light brown, tree roots at 4.5'-5.0', limestone cobble at 3.5' w/small limestone fragments below.		1		48	0	
4								
		CLAY, gray, stiff						
6		**CLAY**, some silt, light brown, stiff, tr VF sand		2		48	0	
		SILT, gray green/lt brown mottled, some clay, little F sand, tr VF rounded gravel						
8		**SILT**, brown, and VF **SAND**, wet at 7.5', tr clay		3		48	0	
		SAND, VF, and **SILT**, gray, limestone cobble at 10.2', abundant limestone cobbles and fragments to 12'.						
12				4		48	0	
14		**TILL**, gray, hard, dense sand, silt and clay						
16				5		12	0	
18		**Auger Refusal on Bedrock at 17 feet.**						
20								

Drilled By: Nothnagle Drilling

Drill Method: Hollow Stem Augers

Hole Size: 8"

Drill Date: May 10, 2010

ENERGYSOLUTIONS
100 Mill Plain Road
Danbury, Connecticut

Borehole: MW-29A

Project No.: 137015

Project: Leica

Client: Leica Microsystems

Location: Cheektowaga, New York

Geologist: P. Martell

Project Manager: R. McPeak

Sheet 1 of 2

SUBSURFACE PROFILE			SAMPLE				
Depth	Symbol	Description	Core Run	Recovery %	RQD	PID Reading (ppm)	Well Completion Details
0		Ground Surface					
2							Curb Box
4							
6		For unconsolidated materials, see log for B-29					
8							
10							
12							
14							
16							
18		4' casing set in rock socket (17'-20')					
20		NX Core Beginning at 20'					

Drilled By: Nothnagle Drilling

Hole Size: 8"

Drill Method: Hollow Stem Auger/Coring

Drill Date: May 10 & 12, 2010

ENERGYSOLUTIONS
100 Mill Plain Road
Danbury, Connecticut

Borehole: MW-29A

Project No.: 137015

Project: Leica

Client: Leica Microsystems

Location: Cheektowaga, New York

Geologist: P. Martell

Project Manager: R. McPeak

Sheet 2 of 2

SUBSURFACE PROFILE			SAMPLE				
Depth	Symbol	Description	Core Run	Recovery %	RQD	PID Reading (ppm)	Well Completion Details
22		**LIMESTONE:** (Onondoga Formation, Morehouse Member); light gray to gray, fine to massively bedded, fossiliferous in part, little coral, carbonaceous partings, abundant stylolites, little chert 20.0'-21.0' fossiliferous, coral w/some open vugs 21.5'-21.9' fossiliferous 20.3', 21.1', 21.8', 22.9', 23.0' stylolites 22.5' slightly weathered on bedding plane/parting					
24		23.6'-25.0' dark gray, more carbonaceous, vf bedding, vug filled w/calcite crystals, vertical worm burrows at 23.6'-24.1'					
26		25.0'-25.5' dark gray, argillaceous, chert nodule 25.5 stylolite 25.8' large fan coral, fossils 26.3'-27.0' dark gray, argillaceous, some chert 27.6' stylolite	1	100	91	0	
28		28.0'-28.5' fossiliferous 28.5' stylolite, carbonaceous parting					
30		29.1'-29.7' stylolites 30.5'-30.6' fossils, disturbed, dark gray and argillaceous, partings at top and bottom, weathered					
32		30.7'-31.7' massive coral, porous, oil odor, heavily petroleum stained 31.9'-32.0 large open vugs, small chert nodule 32.9' small corals, carbonaceous partings				3.4	
34		33.9' corals, small vugs, carbonaceous partings 34.0'-34.3' fossiliferous, stylolite parting, slightly weathered					
36		35.1' stylolites 35.6'-35.7' slightly carbonaceous, partings 36.5' open fracture, weathered	2	100	94	0	
38		37.6' stylolite, small chert nodules 38.4' stylolite, carbonaceous parting 38.9' small healed fracture, carbonaceous, massive limestone					
40		**End of boring at 40'**					Open borehole, 20' to 40'

Drilled By: Nothnagle Drilling

Drill Method: Hollow Stem Auger/Coring

Hole Size: 8"

Drill Date: May 10 & 12, 2010

APPENDIX B

GROUNDWATER MONITORING TABLES

TABLE 1

GROUNDWATER ELEVATION DATA
(JULY, 2010)

Table 1
Groundwater Elevation Data
July 2010

Well Number	Depth to Water (ft.)	Depth to Bottom (ft.)	Top of PVC Elevation	Water Column (ft.)	Well ID (inches)	One Well Volume (gal.)	Water Elevation (ft.)	Notes
MW-1	6.72	NM	662.38	NM	2	NA	655.66	
MW-1A	16.28	25.80	663.48	9.52	4	1.55	647.20	
MW-2	7.42	NM	657.01	NM	2	NA	649.59	
MW-2A	7.44	NM	657.02	NM	4	NA	649.58	
MW-3	7.46	NM	655.94	NM	2	NA	648.48	
MW-4	11.04	NM	655.57	NM	2	NA	644.53	
MW-5	7.42	11.06	654.80	3.64	2	0.59	647.38	
MW-5A	7.34	38.94	654.84	31.60	4	5.15	647.50	Slow recovery
MW-6	12.08	14.80	660.84	2.72	2	0.44	648.76	
MW-6A	13.72	20.62	659.38	6.90	4	1.12	645.66	
MW-7	9.68	NM	658.21	NM	2	NA	648.53	
MW-9		NM	654.99	NM	2	NA	654.99	DRY
MW-9A	7.84	NM	654.67	NM	4	NA	646.83	
MW-10	7.84	10.04	655.48	2.20	2	0.36	647.64	
MW-11A	19.8	35.14	656.6	15.34	6	NA	636.8	Pumping Well
MW-13	5.56	NM	654.66	NM	2	NA	649.10	
MW-13A	6.76	NM	655.13	NM	4	NA	648.37	
MW-14	2.96	10.50	653.38	7.54	2	1.23	650.42	
MW-14A	7.56	33.92	653.70	26.36	4	4.30	646.14	
MW-16R [2]	6.52	11.98	660.04	5.46	2	0.89	653.52	
MW-16A	22.66	26.8	659.95	NA	6	NA	637.29	Pumping Well
MW-17A	3.96	NM	659.18	NM	4	NA	655.22	
MW-18	9.16	12.70	662.51	3.54	2	0.58	653.35	
MW-18A	16.02	34.52	662.72	18.50	4	3.02	646.70	
MW-19	8.84	NM	660.84	NM	2	NA	652.00	
MW-20	6.86	NM	659.12	NM	2	NA	652.26	
MW-22	3.70	10.04	652.51	6.34	2	1.03	648.81	
MW-22A	7.60	45.96	654.45	38.36	6	6.25	646.85	
MW-23	5.42	NM	655.99	NM	2	NA	650.57	
MW-24	10.44	13.34	662.74	2.90	2	0.47	652.30	
MW-24A	16.56	34.18	662.85	17.62	4	2.87	646.29	
MW-25	5.16	10.52	653.20	5.36	2	0.87	648.04	
MW-25A	7.32	34.34	653.28	27.02	4	4.40	645.96	
MW-26	6.78	10.94	653.60	4.16	2	0.68	646.82	
MW-26A	7.30	34.40	653.70	27.10	4	4.42	646.40	Very slow recovery
MW-27	7.86	10.88	654.68	10.88	2	1.77	646.82	
MW-27A	7.46	34.30	654.81	34.30	4	5.59	647.35	Very slow recovery
MW-28	7.74	12.20	653.21	12.20	2	1.99	645.47	
MW-28A	6.62	34.46	652.97	34.46	4	5.62	646.35	Very slow recovery
MW-29A	6.54	39.58	652.99	39.58	4	6.45	646.45	Very slow recovery

Notes

1 Monitoring well accidently damaged or removed during excavation activities in Area C
2 Monitoring well MW-16R installed to replace MW-16
3 NL = Not Located
4 NM = Not Measured
5 NA = Not Available

TABLE 2

QUARTERLY GROUNDWATER DATA
(A (WELLS 1-10), B (WELLS 11-14A), C WELLS 15-16R), & D (WELLS 18-29A))

Prepared by:DRS
Date: 10/12
Checked by:PWM
Date:10/12

Table 2A (Wells 1-10)
Quarterly Groundwater Data
Leica Microsystems, Eggert Road
Cheektowaga, NY

ANALYTE	CAS	Method Detection Limit	RAOs GW	MW-1A														MW-3		
Sample Collection Date:				Mar-25-05	June 26-05	Oct-24-05	Jan-05-06	Mar-17-06	July-13-06	May-02-07	Mar-31-08	May-14-08	Jul-30-08	Apr-15-09	Oct-6-09	Jan-14-10	May-02-07	May-14-08	Apr-15-09
Dilution:				1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Volatile Organic Compounds (ug/l)																			
acetone	67641	20	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzene	71432	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bromodichloromethane	75274	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bromoform	75252	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bromomethane	74839	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-butanone (MEK)	78933	10	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
carbon disulfide	75150	10	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
carbon tetrachloride	56235	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
chlorobenzene	108907	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
chloroethane	75003	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
chloroform	67663	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
chloromethane	74873	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
dibromochloromethane	124481	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	75343	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dichloroethane	107062	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	75354	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-dichloroethene	156592	5.0	**5**	ND	ND	ND	**5.3**	ND	ND	ND	ND	ND	ND	ND	ND	**8.3**	ND	ND	ND
trans-1,2-dichloroethene	156605	5.0	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dichloropropane	78875	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	542756	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	542756	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ethylbenzene	100414	5.0	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-hexanone	591786	10	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
methylene chloride	75092	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone (MIBK)	108101	10	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
styrene	100425	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	79345	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tetrachloroethene	127184	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
toluene	108883	5.0	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	71556	5.0	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	79005	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trichloroethene	79016	5.0	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
vinyl chloride	75014	5.0	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-xylene	95476	5.0	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m+p xylene	108383/106423	5.0	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TOTAL VOCs				0	0	0	5.3	0	0	0	0	0	0	0.00	0.00	8.3	0	0	0.00
Percent TCE				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Percent DCE				0	0	0	100%	0	0	0	0	0	0	0	0	100%	0	0	0
Percent VC				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chemistry (mg/L)				MW-1A													MW-3		
Chloride				NA	NA	NA	NA	NA	NA	NA	69.1	NA	57.3	46.6	99.8	82.1	NA	NA	NA
Ferrous Iron				NA	NA	NA	NA	NA	NA	NA	0.107	NA	<0.100	0.26	0.61	0.41	NA	NA	NA
Nitrate Nitrogen				NA	NA	NA	NA	NA	NA	NA	<0.500	NA	<0.500	0.50 U	0.74	0.50 U	NA	NA	NA
Sulfate				NA	NA	NA	NA	NA	NA	NA	36.3	NA	39.1	39.70	41.4	46.7	NA	NA	NA
Total Organic Carbon				NA	NA	NA	NA	NA	NA	NA	3.11	NA	3.00	4.90	5.4	8.1	NA	NA	NA
Ferrous Iron Dissolved				NA	NA	NA	NA	NA	NA	NA	,0.100	NA	0.288	0.28	0.35	0.29	NA	NA	NA
Manganese				NA	NA	NA	NA	NA	NA	NA	0.058	NA	0.0408	66	278	61	NA	NA	NA
Manganese Dissolved				NA	NA	NA	NA	NA	NA	NA	0.066	NA	0.0396	56	201	63	NA	NA	NA
Dissolved Oxygen (DO)				NA	NA	NA	NA	NA	NA	NA	NA	NA	11.32	NA	7.2	17.6	NA	NA	NA
pH				NA	NA	NA	NA	NA	NA	NA	NA	NA	7.29	NA	7.3	7.02	NA	NA	NA
Oxygen Reduction Potential				NA	NA	NA	NA	NA	NA	NA	NA	NA	-53.00	NA	-336.2	5.1	NA	NA	NA

NOTES:
RAOs GW = Remedial Action Objectives for Groundwater
CAS = Chemical Abstract Service registry number
Bold = Exceeds RAOs for groundwater (Not applicable to Treatment System Effluent)
Bold/Shaded = Exceeds Buffalo Sewer Authority Discharge Limits (Groundwater Treatment Effluent Sample only)
ND = Not Detected
E = Exceeds Calibration Range
D = Sample reanalyzed and quantified at higher dilution
Well MW-11 was removed during excavation and is no longer sampled.
Well MW-15A was filled with gravel and is no longer sampled.

Prepared by:DRS
Date: 10/12
Checked by:PWM
Date:10/12

Table 2A (Wells 1-10)
Quarterly Groundwater Data
Leica Microsystems, Eggert Road
Cheektowaga, NY

ANALYTE	CAS	Method Detection Limit	RAOs GW	MW-4															
Sample Collection Date:				Base	Jun-22-00	Aug-21-00	Nov-30-00	Dec-19-01	Mar-20-02	Jun-25-02	Jan-20-03	Mar-27-03	Oct-21-03	Feb-05-04	May-25-04	Sept-26-04	Dec-21-04	March-24-05
Dilution:				1,000.00	4.00	2.00	2.00	5.00	1.00	5.00	1 or 20	10.00	2.00	2.00	5.00	1.00	5.00	2.50
Volatile Organic Compounds (ug/l)																			
acetone	67641	20	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzene	71432	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bromodichloromethane	75274	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bromoform	75252	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bromomethane	74839	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-butanone (MEK)	78933	10	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
carbon disulfide	75150	10	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
carbon tetrachloride	56235	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
chlorobenzene	108907	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
chloroethane	75003	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
chloroform	67663	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
chloromethane	74873	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
dibromochloromethane	124481	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	75343	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dichloroethane	107062	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	75354	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-dichloroethene	156592	5.0	**5**	**110000**	**460**	**280**	**940**	**580**	**190**	**480**	**2200**	**1700**	**260**	**310**	**560**	**180**	**330**	**320**
trans-1,2-dichloroethene	156605	5.0	**5**	ND	ND	ND	ND	ND	2.2	ND	**26**	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dichloropropane	78875	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	542756	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	542756	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ethylbenzene	100414	5.0	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-hexanone	591786	10	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
methylene chloride	75092	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone (MIBK)	108101	10	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
styrene	100425	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	79345	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tetrachloroethene	127184	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
toluene	108883	5.0	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	71556	5.0	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	79005	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trichloroethene	79016	5.0	**5**	**41000**	**130**	**200**	**120**	**62**	**24**	**36**	**70**	ND	ND	**20**	ND	**8.8**	ND	ND	ND
vinyl chloride	75014	5.0	**5**	ND	**27**	ND	**25**	ND	ND	ND	**340**	**570**	**130**	**100**	**270**	**120**	**220**	**200**	
o-xylene	95476	5.0	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m+p xylene	108383/106423	5.0	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TOTAL VOCs				151000	617	480	1085	642	216.2	516	2636	2270	390	430	830	308.8	550	520	
Percent TCE				27%	21%	42%	11%	10%	11%	7%	3%	0	0	5%	0	3%	0	0	
Percent DCE				73%	75%	58%	87%	90%	88%	93%	83%	75%	67%	72%	67%	58%	60%	62%	
Percent VC				0	4%	0	2%	0	0	0	13%	25%	33%	23%	33%	39%	40%	38%	
Chemistry (mg/L)				**MW-4**															
Chloride				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Ferrous Iron				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Nitrate Nitrogen				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Sulfate				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Total Organic Carbon				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Ferrous Iron Dissolved				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Manganese				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Manganese Dissolved				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Dissolved Oxygen (DO)				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
pH				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Oxygen Reduction Potential				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	

NOTES:
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CAS = Chemical Abstract Service registry number
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Bold/Shaded = Exceeds Buffalo Sewer Authority Discharge Limits (Groundwater T
ND = Not Detected
E = Exceeds Calibration Range
D = Sample reanalyzed and quantified at higher dilution
Well MW-11 was removed during excavation and is no longer sampled.
Well MW-15A was filled with gravel and is no longer sampled.

Prepared by:DRS
Date: 10/12
Checked by:PWM
Date:10/12

Table 2A (Wells 1-10)
Quarterly Groundwater Data
Leica Microsystems, Eggert Road
Cheektowaga, NY

ANALYTE	CAS	Method Detection Limit	RAOs GW	MW-4 Cont.										MW-5															
Sample Collection Date:				June-26-05		Oct-24-05		Jan-4-06		Mar-17-06		Mar-17-06		May-02-07		May-14-08		Jul-30-08		Apr-15-09		Oct-6-09		Jan-14-10		Mar-24-10		Jul-6-10	
Dilution:				1.00		2.00		2.00		2.00		2.50		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00	
Volatile Organic Compounds (ug/l)																													
acetone	67641	20	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
benzene	71432	5.0	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
bromodichloromethane	75274	5.0	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
bromoform	75252	5.0	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
bromomethane	74839	5.0	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
2-butanone (MEK)	78933	10	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
carbon disulfide	75150	10	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
carbon tetrachloride	56235	5.0	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
chlorobenzene	108907	5.0	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
chloroethane	75003	5.0	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
chloroform	67663	5.0	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
chloromethane	74873	5.0	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
dibromochloromethane	124481	5.0	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
1,1-dichloroethane	75343	5.0	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
1,2-dichloroethane	107062	5.0	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
1,1-dichloroethene	75354	5.0	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
cis-1,2-dichloroethene	156592	5.0	**5**	**79**		**180**		**320**		**420**	**E**	**420**	**D**	ND		ND		ND		ND		ND		ND		ND		ND	
trans-1,2-dichloroethene	156605	5.0	**5**	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
1,2-dichloropropane	78875	5.0	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
cis-1,3-dichloropropene	542756	5.0	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
trans-1,3-dichloropropene	542756	5.0	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
ethylbenzene	100414	5.0	**5**	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
2-hexanone	591786	10	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
methylene chloride	75092	5.0	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
4-methyl-2-pentanone (MIBK)	108101	10	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
styrene	100425	5.0	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
1,1,2,2-tetrachloroethane	79345	5.0	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
tetrachloroethene	127184	5.0	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
toluene	108883	5.0	**5**	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
1,1,1-trichloroethane	71556	5.0	**5**	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
1,1,2-trichloroethane	79005	5.0	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
trichloroethene	79016	5.0	**5**	**6.8**		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
vinyl chloride	75014	5.0	**5**	**93**		**190**		**220**		**180**		**170**		ND		ND		ND		ND		ND		ND		ND		ND	
o-xylene	95476	5.0	**5**	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
m+p xylene	108383/106423	5.0	**5**	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
TOTAL VOCs				178.8		370		540		600		590		0		0		0		0.00		0.00		0.00		0.00		0.00	
Percent TCE				4%		0		0		0		0		0		0		0		0		0		0		0		0	
Percent DCE				44%		49%		59%		70%		71%		0		0		0		0		0		0		0		0	
Percent VC				52%		51%		41%		30%		29%		0		0		0		0		0		0		0		0	
Chemistry (mg/L)				**MW-4 Cont.**										**MW-5**															
Chloride				NA		NA		NA		NA		NA		NA		18.1		23.8		3.7		2	U	4		110		2	
Ferrous Iron				NA		NA		NA		NA		NA		NA		0.174		<0.100		0.1	U	0.1	U	0.1	U	NA		NA	
Nitrate Nitrogen				NA		NA		NA		NA		NA		NA		<0.500		<0.500		0.5	U	0.88		0.91		0.5	U	0.5	U
Sulfate				NA		NA		NA		NA		NA		NA		38.8		52.9		19.9		15		13		46.9		9.8	
Total Organic Carbon				NA		NA		NA		NA		NA		NA		2.11		2.71		2.7		2.3		2.6		312		3.8	
Ferrous Iron Dissolved				NA		NA		NA		NA		NA		NA		<0.100		<0.100		0.1	U	0.5	U	0.1	U	11200		160	
Manganese				NA		NA		NA		NA		NA		NA		0.0476		0.0217		65		39		22		NA		NA	
Manganese Dissolved				NA		NA		NA		NA		NA		NA		<0.0100		<0.0100		10	U	10		10		109		33	
Dissolved Oxygen (DO)				NA		NA		NA		NA		NA		NA		NA		0.70		NA		28.5		15.5		NA		33.6	
pH				NA		NA		NA		NA		NA		NA		NA		8.53		8.53		8.29		8.73		NA		8.43	
Oxygen Reduction Potential				NA		NA		NA		NA		NA		NA		NA		-131.00		-99.00		-207.4		-157.8		NA		-109.7	

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ND = Not Detected
E = Exceeds Calibration Range
D = Sample reanalyzed and quantified at higher dilution
Well MW-11 was removed during excavation and is no longer sampled.
Well MW-15A was filled with gravel and is no longer sampled.

Prepared by:DRS
Date: 10/12
Checked by:PWM
Date:10/12

Table 2A (Wells 1-10)
Quarterly Groundwater Data
Leica Microsystems, Eggert Road
Cheektowaga, NY

ANALYTE	CAS	Method Detection Limit	RAOs GW	MW-5A								MW-6							
Sample Collection Date:				May-02-07	May-14-08	Jul-30-08	Apr-15-09	Oct-16-09	Jan-14-10	Mar-24-10	Jul-6-10	Base	Mar-29-00	Mar-29-00	Jun-22-00	Mar-27-01	Jun-13-01	Dec-19-01	Mar-20-02
Dilution:				1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	10.00	1.00	2.50	1.00	1.00	1.00	1.00	1.00
Volatile Organic Compounds (ug/l)																			
acetone	67641	20	-	ND	ND	ND	31	85	26	ND	32	ND	ND	ND	ND	ND	ND	ND	ND
benzene	71432	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bromodichloromethane	75274	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bromoform	75252	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bromomethane	74839	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-butanone (MEK)	78933	10	-	ND	ND	ND	24	81	72	43	120	ND	ND	ND	ND	ND	ND	ND	ND
carbon disulfide	75150	10	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
carbon tetrachloride	56235	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
chlorobenzene	108907	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
chloroethane	75003	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
chloroform	67663	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
chloromethane	74873	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
dibromochloromethane	124481	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	75343	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dichloroethane	107062	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	75354	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-dichloroethene	156592	5.0	**5**	**12**	**10**	**9**	ND	ND	ND	ND	ND	**1200**	**450**	**420**	**190**	**48**	**60**	**41**	**44**
trans-1,2-dichloroethene	156605	5.0	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.2
1,2-dichloropropane	78875	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	542756	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	542756	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ethylbenzene	100414	5.0	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-hexanone	591786	10	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
methylene chloride	75092	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone (MIBK)	108101	10	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
styrene	100425	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	79345	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tetrachloroethene	127184	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
toluene	108883	5.0	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	71556	5.0	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	79005	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trichloroethene	79016	5.0	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	**61**	**63**	**34**	**11**	**18**	**14**	**17**
vinyl chloride	75014	5.0	**5**	**16**	**14**	**9.6**	**16**	**18**	**19**	**16**	**7**	**120**	ND	ND	ND	ND	ND	ND	ND
o-xylene	95476	5.0	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m+p xylene	108383/106423	5.0	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TOTAL VOCs				28	24	18.6	71	184	117	59	159	1320	511	483	224	59	78	55	62.2
Percent TCE				0	0	0	0	0	0	0	0	0	12%	13%	15%	19%	23%	25%	27%
Percent DCE				43%	42%	48%	0	0	0	0	0	91%	88%	87%	85%	81%	77%	75%	71%
Percent VC				57%	58%	52%	23%	10%	16%	27%	4%	9%	0	0	0	0	0	0	0
Chemistry (mg/L)				MW-5A								MW-6							
Chloride				NA	115.0	78.6	150	138	126	5.5	96	NA	NA	NA	NA	NA	NA	NA	NA
Ferrous Iron				NA	<0.100	<0.100	2.67	1.03	1.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate Nitrogen				NA	<0.500	<0.500	0.5 U	0.5 U	0.5 U	0.58	0.5 U	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate				NA	89.5	60.0	81.5	55.2	44.9	17.2	8.5	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon				NA	3.03	17.80	130	280	476	1.9	176	NA	NA	NA	NA	NA	NA	NA	NA
Ferrous Iron Dissolved				NA	<0.100	<0.100	3.8	0.84	14.9	100 U	12500	NA	NA	NA	NA	NA	NA	NA	NA
Manganese				NA	0.0932	0.0903	195	512	175	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese Dissolved				NA	0.0735	0.0405	151	502	171	10 U	87	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Oxygen (DO)				NA	NA	1.17	NA	11.2	29.8	NA	24.9	NA	NA	NA	NA	NA	NA	NA	NA
pH				NA	NA	8.68	7.14	6.81	6.82	NA	6.79	NA	NA	NA	NA	NA	NA	NA	NA
Oxygen Reduction Potential				NA	NA	-124.0	-122.0	-207.4	-90.9	NA	-114.2	NA	NA	NA	NA	NA	NA	NA	NA

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D = Sample reanalyzed and quantified at higher dilution
Well MW-11 was removed during excavation and is no longer sampled.
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Prepared by:DRS
Date: 10/12
Checked by:PWM
Date:10/12

Table 2A (Wells 1-10)
Quarterly Groundwater Data
Leica Microsystems, Eggert Road
Cheektowaga, NY

ANALYTE	CAS	Method Detection Limit	RAOs GW	MW-6 Cont.																											
Sample Collection Date:				Jun-25-02	Jan-20-03	Mar-27-03	Feb-05-04	May-25-04	Sept-26-04	Dec-21-04	Mar-24-05	Jan-04-06	Mar-17-06	Dec-18-06	May-02-07	May-14-08	Apr-15-09	Oct-6-09	Jan-14-10	Mar-23-10	Jul-6-10											
Dilution:				1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00										
Volatile Organic Compounds (ug/l)																															
acetone	67641	20	-	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
benzene	71432	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
bromodichloromethane	75274	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
bromoform	75252	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
bromomethane	74839	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
2-butanone (MEK)	78933	10	-	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
carbon disulfide	75150	10	-	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
carbon tetrachloride	56235	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
chlorobenzene	108907	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
chloroethane	75003	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
chloroform	67663	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
chloromethane	74873	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
dibromochloromethane	124481	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
1,1-dichloroethane	75343	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
1,2-dichloroethane	107062	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
1,1-dichloroethene	75354	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
cis-1,2-dichloroethene	156592	5.0	**5**	**42**	**53**	**53**	**75**	**89**	**92**	**78**	**110**	**110**		**120**		**130**		**190**		**120**		**110**		**110**		**120**		**130**		**120**	
trans-1,2-dichloroethene	156605	5.0	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
1,2-dichloropropane	78875	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
cis-1,3-dichloropropene	542756	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
trans-1,3-dichloropropene	542756	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
ethylbenzene	100414	5.0	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
2-hexanone	591786	10	-	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
methylene chloride	75092	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
4-methyl-2-pentanone (MIBK)	108101	10	-	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
styrene	100425	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
1,1,2,2-tetrachloroethane	79345	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
tetrachloroethene	127184	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
toluene	108883	5.0	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
1,1,1-trichloroethane	71556	5.0	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
1,1,2-trichloroethane	79005	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
trichloroethene	79016	5.0	**5**	**15**	**18**	**16**	**19**	**18**	**19**	**19**	**20**	**20**		**20**		**23**		**22**		**15**		**18**		**21**		**20**		**17**		**15**	
vinyl chloride	75014	5.0	**5**	ND	ND	ND	ND	ND	ND	ND	**5**	**6.6**		**6**		**7.8**		**5.8**		**8.1**		**13**		**14**		**28**		**28**		**53**	
o-xylene	95476	5.0	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
m+p xylene	108383/106423	5.0	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
TOTAL VOCs				57	71	69	94	107	111	97	135	136.6		146		160.8		217.8		143.1		141		145		168		175		188	
Percent TCE				26%	25%	23%	20%	17%	17%	20%	15%	15%		14%		14%		10%		10%		13%		14%		12%		10%		8%	
Percent DCE				74%	75%	77%	80%	83%	83%	80%	81%	81%		82%		81%		87%		84%		78%		76%		71%		74%		64%	
Percent VC				0	0	0	0	0	0	0	4%	5%		4%		5%		3%		6%		9%		10%		17%		16%		28%	
Chemistry (mg/L)				**MW-6 Cont.**																											
Chloride				NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		NA		7.3		8.0		8.0		8.1		7.4		8.2	
Ferrous Iron				NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		NA		<0.100	U	0.1	U	0.1	U	0.1	U	NA		NA	
Nitrate Nitrogen				NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		NA		<0.500	U	0.5	U	0.7		0.5	U	0.5	U	0.5	U
Sulfate				NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		NA		172		203		222		193		168		196	
Total Organic Carbon				NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		NA		6.12		6.2		5.6		7.7		6.6		7.8	
Ferrous Iron Dissolved				NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		NA		<0.100		0.1	U	0.1	U	0.1	U	100		860	
Manganese				NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		NA		0.0397		34		20		115		NA		NA	
Manganese Dissolved				NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		NA		0.0301		27		13		77		26		56	
Dissolved Oxygen (DO)				NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		NA		NA		NA		35.5		19.5		NA		37.4	
pH				NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		NA		NA		7.04		7.47		7.39		NA		7.37	
Oxygen Reduction Potential				NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		NA		NA		-24.0		-178.9		7.4		NA		-21.8	

NOTES:
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CAS = Chemical Abstract Service registry number
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Bold/Shaded = Exceeds Buffalo Sewer Authority Discharge Limits (Groundwater T
ND = Not Detected
E = Exceeds Calibration Range
D = Sample reanalyzed and quantified at higher dilution
Well MW-11 was removed during excavation and is no longer sampled.
Well MW-15A was filled with gravel and is no longer sampled.

Prepared by:DRS
Date: 10/12
Checked by:PWM
Date:10/12

Table 2A (Wells 1-10)
Quarterly Groundwater Data
Leica Microsystems, Eggert Road
Cheektowaga, NY

ANALYTE	CAS	Method Detection Limit	RAOs GW	MW-6A (Deep Well)															
Sample Collection Date:				Base	Jun-22-00	Mar-27-01	Jun-13-01	Jun-13-01	Dec-19-01	Mar-20-02	Jun-25-02	Sept-19-02	Jan-20-03	Mar-27-03	Jul-11-03	Oct-21-03	Feb-05-04	May-25-04	Sept-26-04	Dec-21-04
Dilution:				20.00	2.50	5.00	5.00	10.00	5.00	5.00	10.00	5.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Volatile Organic Compounds (ug/l)																			
acetone	67641	20	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzene	71432	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bromodichloromethane	75274	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bromoform	75252	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bromomethane	74839	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-butanone (MEK)	78933	10	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
carbon disulfide	75150	10	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
carbon tetrachloride	56235	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
chlorobenzene	108907	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
chloroethane	75003	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
chloroform	67663	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
chloromethane	74873	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
dibromochloromethane	124481	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	75343	5.0	-	ND	ND	ND	ND	ND	ND	5.2	ND	ND	ND	12	ND	ND	ND	10	ND	ND
1,2-dichloroethane	107062	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	75354	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-dichloroethene	156592	5.0	**5**	**3900**	**380**	**780**	**1,400**	**1400**	**460**	**590**	**930**	**950**	**250**	**410**	**310**	**380**	**350**	**380**	**360**	**370**
trans-1,2-dichloroethene	156605	5.0	**5**	ND	ND	**34**	**40**	ND	ND	**26**	ND	**45**	**11**	**17**	**11**	**19**	**18**	**12**	**12**	**16**
1,2-dichloropropane	78875	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	542756	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	542756	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ethylbenzene	100414	5.0	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-hexanone	591786	10	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
methylene chloride	75092	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone (MIBK)	108101	10	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
styrene	100425	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	79345	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tetrachloroethene	127184	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
toluene	108883	5.0	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	71556	5.0	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	79005	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trichloroethene	79016	5.0	**5**	ND	ND	ND	ND	ND	ND	**7.6**	ND	ND	ND	**19**	ND	ND	ND	**28**	**18**	**16**
vinyl chloride	75014	5.0	**5**	**240**	ND	**230**	**690**	**750**	**230**	**290**	**140**	**820**	**65**	**260**	**92**	**120**	**99**	**96**	**120**	**150**
o-xylene	95476	5.0	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m+p xylene	108383/106423	5.0	**5**	**120**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TOTAL VOCs				4260	380	1044	2130	2150	690	918.8	1070	1815	326	718	413	519	467	526	510	552
Percent TCE				0	0	0	0	0	0	1%	0	45%	20%	36%	22%	23%	0	5%	4%	3%
Percent DCE				92%	100%	75%	66%	65%	67%	64%	87%	2%	3%	2%	3%	4%	75%	72%	71%	67%
Percent VC				6%	0	22%	32%	35%	33%	32%	13%	0	0	0	0	0	21%	18%	24%	27%
Chemistry (mg/L)				**MW-6A (Deep Well)**															
Chloride				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ferrous Iron				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate Nitrogen				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ferrous Iron Dissolved				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese Dissolved				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Oxygen (DO)				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Oxygen Reduction Potential				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Bold/Shaded = Exceeds Buffalo Sewer Authority Discharge Limits (Groundwater T
ND = Not Detected
E = Exceeds Calibration Range
D = Sample reanalyzed and quantified at higher dilution
Well MW-11 was removed during excavation and is no longer sampled.
Well MW-15A was filled with gravel and is no longer sampled.

Prepared by:DRS
Date: 10/12
Checked by:PWM
Date:10/12

Table 2A (Wells 1-10)
Quarterly Groundwater Data
Leica Microsystems, Eggert Road
Cheektowaga, NY

ANALYTE	CAS	Method Detection Limit	RAOs GW	MW-6A (Deep Well) Cont.																													
Sample Collection Date:				Mar-24-05		Mar-24-05		June 26-05		Oct-24-05		Oct-24-05		Jan-04-06		Mar-17-06		Mar-17-06		July-13-06		Dec-18-06		May-02-07		May-02-07		Nov-14-07		Nov-14-07		May-14-08		Jul-30-08		Apr-15-09		Oct-6-09	
Dilution:				2.00		2.50		2.50		2.50		5.00		1.00		1.00		5.00		2.50		1.00		1.00		2.50		1.00		2.50		2.50		2.50		1.00		1.00	
Volatile Organic Compounds (ug/l)																																			
acetone	67641	20	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
benzene	71432	5.0	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
bromodichloromethane	75274	5.0	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
bromoform	75252	5.0	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
bromomethane	74839	5.0	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
2-butanone (MEK)	78933	10	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
carbon disulfide	75150	10	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
carbon tetrachloride	56235	5.0	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
chlorobenzene	108907	5.0	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
chloroethane	75003	5.0	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
chloroform	67663	5.0	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
chloromethane	74873	5.0	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
dibromochloromethane	124481	5.0	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
1,1-dichloroethane	75343	5.0	-	ND		ND		ND		ND		ND		ND		5.1		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
1,2-dichloroethane	107062	5.0	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
1,1-dichloroethene	75354	5.0	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
cis-1,2-dichloroethene	156592	5.0	**5**	**440**		**420**		**390**		**510**		**500**		**91**		**650**	**E**	**580**	**D**	**390**		**140**		**380**	**E**	**360**	**D**	**400**	**E**	**350**	**D**	**380**		**460**		**370**		**110**	
trans-1,2-dichloroethene	156605	5.0	**5**	**17**		**20**		**17**		**18**		ND		ND		**17**		ND		**14**		ND		**11**		ND		**11**		ND		ND		ND		ND		ND	
1,2-dichloropropane	78875	5.0	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
cis-1,3-dichloropropene	542756	5.0	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
trans-1,3-dichloropropene	542756	5.0	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
ethylbenzene	100414	5.0	**5**	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
2-hexanone	591786	10	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
methylene chloride	75092	5.0	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
4-methyl-2-pentanone (MIBK)	108101	10	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
styrene	100425	5.0	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
1,1,2,2-tetrachloroethane	79345	5.0	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
tetrachloroethene	127184	5.0	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
toluene	108883	5.0	**5**	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
1,1,1-trichloroethane	71556	5.0	**5**	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
1,1,2-trichloroethane	79005	5.0	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
trichloroethene	79016	5.0	**5**	**32**		**33**		ND		ND		ND		ND		**21**		ND		ND		ND		**10**		ND		ND		ND		**22**		ND		ND	
vinyl chloride	75014	5.0	**5**	**140**		**140**		**96**		**240**		**230**		**23**		**250**	**E**	**220**	**D**	**110**		**47**		**160**		**170**		**280**	**E**	**250**	**D**	**220**		**120**		**350**		**170**	
o-xylene	95476	5.0	**5**	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
m+p xylene	108383/106423	5.0	**5**	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
TOTAL VOCs				629		613		503		768		730		114		943.1		800		514		187		561		530		691		600		600		602		720		280	
Percent TCE				5%		5%		0		0		0		0		2%		0		0		0		2%		0		0		0		0		4%		0		0	
Percent DCE				70%		69%		78%		66%		68%		80%		69%		73%		76%		75%		68%		68%		58%		58%		63%		76%		51%		39%	
Percent VC				22%		23%		19%		31%		32%		20%		27%		28%		21%		25%		29%		32%		41%		42%		37%		20%		49%		61%	
Chemistry (mg/L)				**MW-6A (Deep Well) Cont.**																															
Chloride				NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		8.8		51.5		13.2		9.1	
Ferrous Iron				NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		0.412		1.340		2.38		0.39	
Nitrate Nitrogen				NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		<0.500		<0.500		0.50	U	0.85	
Sulfate				NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		125		135		169		95.1	
Total Organic Carbon				NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		7.36		5.38		11.6		5.6	
Ferrous Iron Dissolved				NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		0.298		1.050		2.78		0.24	
Manganese				NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		0.0600		0.0944		54		434	
Manganese Dissolved				NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		0.0532		0.1040		104		423	
Dissolved Oxygen (DO)				NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		2.67		NA		5.2	
pH				NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		7.37		7.22		7.36	
Oxygen Reduction Potential				NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		-89		-157		-259.6	

NOTES:
RAOs GW = Remedial Action Objectives for Groundwater
CAS = Chemical Abstract Service registry number
Bold = Exceeds RAOs for groundwater (Not applicable to Treatment System Efflu
Bold/Shaded = Exceeds Buffalo Sewer Authority Discharge Limits (Groundwater T
ND = Not Detected
E = Exceeds Calibration Range
D = Sample reanalyzed and quantified at higher dilution
Well MW-11 was removed during excavation and is no longer sampled.
Well MW-15A was filled with gravel and is no longer sampled.

Prepared by:DRS
Date: 10/12
Checked by:PWM
Date:10/12

Table 2A (Wells 1-10)
Quarterly Groundwater Data
Leica Microsystems, Eggert Road
Cheektowaga, NY

ANALYTE	CAS	Method Detection Limit	RAOs GW	MW-6A (Deep Well) Cont.						MW-7																	
Sample Collection Date:				Jan-14-10		Mar-23-10		Jul-6-10		Base	Mar-29-00	Mar-29-00	Jun-13-01	Mar-20-02	Jun-25-02	Jan-20-03	Mar-27-03	Feb-05-04	May-25-04	Sept-26-04	Dec-21-04	Mar-24-05	Jan-4-06		Mar-17-06	
Dilution:				1.00		2.50		2.50		10.00	1.00	2.50	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00		1.00	
Volatile Organic Compounds (ug/l)																											
acetone	67641	20	-	ND		ND		ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	
benzene	71432	5.0	-	ND		ND		ND		140	8.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	
bromodichloromethane	75274	5.0	-	ND		ND		ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	
bromoform	75252	5.0	-	ND		ND		ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	
bromomethane	74839	5.0	-	ND		ND		ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	
2-butanone (MEK)	78933	10	-	ND		ND		ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	
carbon disulfide	75150	10	-	ND		ND		ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	
carbon tetrachloride	56235	5.0	-	ND		ND		ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	
chlorobenzene	108907	5.0	-	ND		ND		ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	
chloroethane	75003	5.0	-	ND		ND		ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	
chloroform	67663	5.0	-	ND		ND		ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	
chloromethane	74873	5.0	-	ND		ND		ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	
dibromochloromethane	124481	5.0	-	ND		ND		ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	
1,1-dichloroethane	75343	5.0	-	ND		ND		ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	
1,2-dichloroethane	107062	5.0	-	ND		ND		ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	
1,1-dichloroethene	75354	5.0	-	ND		ND		ND		ND	ND	ND	ND	7	ND	ND	ND	ND	ND	ND	ND	ND		ND	
cis-1,2-dichloroethene	156592	5.0	**5**	**130**		**410**		**380**		**900**	**330**	**310**	**160**	**52**	**23**	**43**	**27**	**25**	**50**	**53**	**54**	**64**		**110**		**100**	
trans-1,2-dichloroethene	156605	5.0	**5**	ND		ND		ND		**64**	**8.6**	ND	ND	**22**	ND	ND	ND	ND	ND	ND	ND	**5.4**		**5.9**	
1,2-dichloropropane	78875	5.0	-	ND		ND		ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	
cis-1,3-dichloropropene	542756	5.0	-	ND		ND		ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	
trans-1,3-dichloropropene	542756	5.0	-	ND		ND		ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	
ethylbenzene	100414	5.0	**5**	ND		ND		ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	
2-hexanone	591786	10	-	ND		ND		ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	
methylene chloride	75092	5.0	-	ND		ND		ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	
4-methyl-2-pentanone (MIBK)	108101	10	-	ND		ND		ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	
styrene	100425	5.0	-	ND		ND		ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	
1,1,2,2-tetrachloroethane	79345	5.0	-	ND		ND		ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	
tetrachloroethene	127184	5.0	-	ND		ND		ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	
toluene	108883	5.0	**5**	ND		ND		ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	
1,1,1-trichloroethane	71556	5.0	**5**	ND		ND		ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	
1,1,2-trichloroethane	79005	5.0	-	ND		ND		ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	
trichloroethene	79016	5.0	**5**	ND		ND		ND		ND	**10**	ND	**12**	**12**	ND	**6.1**	**5.4**	ND	**5.6**	**6.4**	**6**	**6.5**		**5**		ND	
vinyl chloride	75014	5.0	**5**	**51**		**280**		**360**		**1600**	**7.8**	ND	ND	**56**	ND	ND	ND	ND	**8**	**11**	**8**	**11**		**17**		**13**	
o-xylene	95476	5.0	**5**	ND		ND		ND		ND	**19**	**18**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND		ND	
m+p xylene	108383/106423	5.0	**5**	ND		ND		ND		ND	**29**	**29**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND		ND	
TOTAL VOCs				181		690		740		2704	743.1	357	172	149	23	49.1	32.4	25	63.6	70.4	68	81.5		137.4		118.9	
Percent TCE				0		0		0		0	1%	0	7%	8%	0	12%	17%	0	9%	9%	9%	8%		4%		0	
Percent DCE				72%		59%		51%		33%	44%	87%	93%	35%	100%	88%	83%	100%	79%	75%	79%	79%		80%		84%	
Percent VC				28%		41%		49%		59%	1%	0	0	38%	0	0	0	0	13%	16%	12%	13%		12%		11%	
Chemistry (mg/L)				**MW-6A (Deep Well) Cont.**						**MW-7**																	
Chloride				6.4		9.5		11.7		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA	
Ferrous Iron				0.25		NA		NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA	
Nitrate Nitrogen				0.50	U	0.50		0.50	U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA	
Sulfate				56.7		117.0		67.6		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA	
Total Organic Carbon				3.4		6.1		5.8		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA	
Ferrous Iron Dissolved				0.10		3.55		230		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA	
Manganese				206		NA		NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA	
Manganese Dissolved				96		86		103		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA	
Dissolved Oxygen (DO)				16.3		NA		21.2		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA	
pH				7.68		NA		7.40		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA	
Oxygen Reduction Potential				11.5		NA		-63.2		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA	

NOTES:
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Bold/Shaded = Exceeds Buffalo Sewer Authority Discharge Limits (Groundwater T
ND = Not Detected
E = Exceeds Calibration Range
D = Sample reanalyzed and quantified at higher dilution
Well MW-11 was removed during excavation and is no longer sampled.
Well MW-15A was filled with gravel and is no longer sampled.

Prepared by:DRS
Date: 10/12
Checked by:PWM
Date:10/12

Table 2A (Wells 1-10)
Quarterly Groundwater Data
Leica Microsystems, Eggert Road
Cheektowaga, NY

ANALYTE	CAS	Method Detection Limit	RAOs GW	MW-10																	
Sample Collection Date:				Base	Mar-27-01[1]	Jun-13-01	Jun-13-01	Dec-19-01	Mar-20-02	Mar-20-02	Jun-25-02	Jan-20-03	Mar-27-03	Oct-21-03	Oct-21-03	Feb-05-04	May-25-04	Sept-26-04	Dec-21-04	Mar-24-05	June-26-05	Oct-23-05
Dilution:				100.0	50.00	2.00	10.00	1.00	1.00	2.00	1.00	2.00	2.00	2.00	10.00	5.00	5.00	2.00	2.50	2.50	5.00	2.50
Volatile Organic Compounds (ug/l)																					
acetone	67641	20	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzene	71432	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bromodichloromethane	75274	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bromoform	75252	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bromomethane	74839	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-butanone (MEK)	78933	10	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
carbon disulfide	75150	10	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
carbon tetrachloride	56235	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
chlorobenzene	108907	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
chloroethane	75003	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
chloroform	67663	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
chloromethane	74873	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
dibromochloromethane	124481	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	75343	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dichloroethane	107062	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	75354	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-dichloroethene	156592	5.0	**5**	**16000**	**6300**	**450**	**460**	**96**	**220**	**220**	**160**	**210**	**360**	**1,500**	**1600**	**850**	**540**	**130**	**300**	**270**	**760**	**320**
trans-1,2-dichloroethene	156605	5.0	**5**	ND	ND	ND	ND	ND	2.8	2.7	ND	ND	ND	**13**	ND	ND	ND	**12**	ND	**14**	ND	ND
1,2-dichloropropane	78875	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	542756	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	542756	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ethylbenzene	100414	5.0	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-hexanone	591786	10	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
methylene chloride	75092	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone (MIBK)	108101	10	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
styrene	100425	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	79345	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tetrachloroethene	127184	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
toluene	108883	5.0	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	71556	5.0	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	79005	5.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trichloroethene	79016	5.0	**5**	ND	**1500**	**460**	**470**	**30**	**47**	**48**	**57**	**78**	**130**	ND	ND	ND	ND	ND	ND	ND	ND	ND
vinyl chloride	75014	5.0	**5**	**5800**	ND	**27**	ND	ND	ND	ND	ND	ND	**21**	**110**	**110**	**480**	**420**	**270**	**150**	**360**	**750**	**150**
o-xylene	95476	5.0	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m+p xylene	108383/106423	5.0	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TOTAL VOCs				21800	7800	937	930	126	269.8	270.7	217	288	511	1623	1710	1330	960	412	450	644	1510	470
Percent TCE				0	19%	49%	51%	24%	17%	18%	26%	27%	25%	0	0	0	0	0	0	0	0	0
Percent DCE				73%	81%	48%	49%	76%	82%	81%	74%	73%	70%	92%	94%	64%	56%	32%	67%	42%	50%	68%
Percent VC				27%	0	3%	0	0	0	0	0	0	4%	7%	6%	36%	44%	66%	33%	56%	50%	32%
Chemistry (mg/L)				**MW-10**																	
Chloride				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ferrous Iron				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate Nitrogen				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ferrous Iron Dissolved				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese Dissolved				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Oxygen (DO)				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Oxygen Reduction Potential				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

NOTES:
RAOs GW = Remedial Action Objectives for Groundwater
CAS = Chemical Abstract Service registry number
Bold = Exceeds RAOs for groundwater (Not applicable to Treatment System Efflu
Bold/Shaded = Exceeds Buffalo Sewer Authority Discharge Limits (Groundwater T
ND = Not Detected
E = Exceeds Calibration Range
D = Sample reanalyzed and quantified at higher dilution
Well MW-11 was removed during excavation and is no longer sampled.
Well MW-15A was filled with gravel and is no longer sampled.

Prepared by:DRS
Date: 10/12
Checked by:PWM
Date:10/12

Table 2A (Wells 1-10)
Quarterly Groundwater Data
Leica Microsystems, Eggert Road
Cheektowaga, NY

ANALYTE	CAS	Method Detection Limit	RAOs GW	MW-10 cont.																							
Sample Collection Date:				Jan-04-06		Jan-04-06		Mar-17-06		Mar-17-06		Dec-18-06		May-02-07		Nov-14-07		May-14-08		Apr-15-09		Oct-6-09		Jul-6-10	
Dilution:				1.00		2.00		2.00		2.50		2.00		1.00		1.00		1.00		1.00		2.00		1.00	
Volatile Organic Compounds (ug/l)																											
acetone	67641	20	-	ND		ND		ND		ND		ND		ND		ND		ND		150		160		46	
benzene	71432	5.0	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
bromodichloromethane	75274	5.0	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
bromoform	75252	5.0	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
bromomethane	74839	5.0	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
2-butanone (MEK)	78933	10	-	ND		ND		ND		ND		ND		ND		ND		ND		180		270		110	
carbon disulfide	75150	10	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
carbon tetrachloride	56235	5.0	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
chlorobenzene	108907	5.0	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
chloroethane	75003	5.0	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
chloroform	67663	5.0	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
chloromethane	74873	5.0	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
dibromochloromethane	124481	5.0	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
1,1-dichloroethane	75343	5.0	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
1,2-dichloroethane	107062	5.0	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
1,1-dichloroethene	75354	5.0	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
cis-1,2-dichloroethene	156592	5.0	**5**	**210**	**E**	**200**		**270**		**260**		**220**		**160**		**110**		**190**		**120**		ND		**9.5**	
trans-1,2-dichloroethene	156605	5.0	**5**	**7.8**		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
1,2-dichloropropane	78875	5.0	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
cis-1,3-dichloropropene	542756	5.0	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
trans-1,3-dichloropropene	542756	5.0	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
ethylbenzene	100414	5.0	**5**	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
2-hexanone	591786	10	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
methylene chloride	75092	5.0	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
4-methyl-2-pentanone (MIBK)	108101	10	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
styrene	100425	5.0	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
1,1,2,2-tetrachloroethane	79345	5.0	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
tetrachloroethene	127184	5.0	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
toluene	108883	5.0	**5**	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
1,1,1-trichloroethane	71556	5.0	**5**	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
1,1,2-trichloroethane	79005	5.0	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
trichloroethene	79016	5.0	**5**	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
vinyl chloride	75014	5.0	**5**	**140**		**140**		**430**	**E**	**430**	**D**	**72**		**71**		**38**		**73**		**38**		ND		**24**	
o-xylene	95476	5.0	**5**	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
m+p xylene	108383/106423	5.0	**5**	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
TOTAL VOCs				357.8		340		700		690		292		231		148		263		488		430		190	
Percent TCE				0		0		0		0		0		0		0		0		0		0		0	
Percent DCE				59%		59%		39%		38%		75%		69%		74%		72%		25%		0		5%	
Percent VC				39%		41%		61%		62%		25%		31%		26%		28%		8%		0		13%	
Chemistry (mg/L)				**MW-10 cont.**																							
Chloride				NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		33.5	
Ferrous Iron				NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
Nitrate Nitrogen				NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		0.5	U
Sulfate				NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		4.1	
Total Organic Carbon				NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		152	
Ferrous Iron Dissolved				NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		2510	
Manganese				NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
Manganese Dissolved				NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		30	
Dissolved Oxygen (DO)				NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
pH				NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
Oxygen Reduction Potential				NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	

NOTES:
RAOs GW = Remedial Action Objectives for Groundwater
CAS = Chemical Abstract Service registry number
Bold = Exceeds RAOs for groundwater (Not applicable to Treatment System Efflu
Bold/Shaded = Exceeds Buffalo Sewer Authority Discharge Limits (Groundwater T
ND = Not Detected
E = Exceeds Calibration Range
D = Sample reanalyzed and quantified at higher dilution
Well MW-11 was removed during excavation and is no longer sampled.
Well MW-15A was filled with gravel and is no longer sampled.

Prepared by:DRS
Date:10/12
Checked by:PWM
Date:10/12

Table 2B (Wells 11-16R)
Quarterly Groundwater Data
Leica Microsystems, Eggert Road
Cheektowaga, NY

ANALYTE	CAS	Method Detection Limit	RAOs GW	MW-11 (Well removed during excavation on May 18, 2003)										MW-11A (Deep Well)									
Sample Collection Date:				Jun-22-00	Aug-21-00	Nov-30-00	Mar-27-01[1]	Jun-13-01	Dec-19-01	Mar-20-02	Jun-25-02	Jan-20-03	Mar-27-03	Mar-29-00	Jun-22-00	Nov-30-00	Mar-27-01	Jun-13-01	Sep-28-01	Dec-19-01	Mar-20-02	Jun-25-02	Sept-19-02
Dilution:				5or20	10.00	2.50	10.00	10.00	5.00	10.00	2.00	20.00	25.00	100.00	25.00	10.00	10.00	10.00	5.00	5.00	5.00	5.00	2.50
Volatile Organic Compounds (ug/l)																							
acetone	67641	20	-	110	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzene	71432	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bromodichloromethane	75274	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bromoform	75252	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bromomethane	74839	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-butanone (MEK)	78933	10	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
carbon disulfide	75150	10	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
carbon tetrachloride	56235	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
chlorobenzene	108907	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
chloroethane	75003	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
chloroform	67663	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
chloromethane	74873	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
dibromochloromethane	124481	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	75343	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dichloroethane	107062	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	75354	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-dichloroethene	156592	5	**5**	**1200**	**500**	**440**	**450**	**1300**	**900**	**990**	**300**	**2900**	**4200**	**13000**	**3000**	**1400**	**1100**	**1000**	**600**	**830**	**610**	**420**	**250**
trans-1,2-dichloroethene	156605	5	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**19**	ND	ND
1,2-dichloropropane	78875	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	542756	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	542756	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ethylbenzene	100414	5	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-hexanone	591786	10	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
methylene chloride	75092	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone (MIBK)	108101	10	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
styrene	100425	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	79345	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tetrachloroethene	127184	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
toluene	108883	5	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	71556	5	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	79005	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trichloroethene	79016	5	**5**	**2100**	**1200**	**260**	**990**	**1200**	**140**	**130**	**51**	ND	ND	ND	ND	**72**	ND	ND	ND	ND	ND	ND	ND
vinyl chloride	75014	5	**5**	ND	ND	**21**	ND	ND	**140**	ND	**10**	ND	**150**	**9000**	**1800**	**960**	**660**	**1000**	**580**	**820**	**820**	**580**	**340**
o-xylene	95476	5	**5**	**28**	ND	ND	ND	ND	**140**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m+p xylene	108383/106423	5	**5**	**27**	ND	ND	ND	ND	**140**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TOTAL VOCs				3465	1700	721	1440	2500	1460	1120	361	2900	4350	22000	4800	2432	1760	2000	1180	1650	1449	1000	590
Percent TCE				61%	71%	36%	69%	48%	10%	12%	14%	0	0	0	0	3%	0	0	0	0	0	0	0
Percent DCE				35%	29%	61%	31%	52%	62%	88%	83%	100%	97%	59%	63%	58%	63%	50%	51%	50%	42%	42%	42%
Percent VC				0	0	3%	0	0	10%	0	3%	0	3%	41%	38%	39%	38%	50%	49%	50%	57%	58%	58%
Chemisrty (mg/L)				**MW-11 (Well removed during excavation on May 18, 2003)**										**MW-11A (Deep Well)**									
Chloride				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ferrous Iron				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate Nitrogen				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ferrous Iron Dissolved				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese Dissolved				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Oxygen (DO)				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Oxygen Reduction Potential				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

NOTES:
RAOs GW = Remedial Action Objectives for Groundwater
CAS = Chemical Abstract Service registry number
Bold = Exceeds RAOs for groundwater (Not applicable to Treatment System Effluent)
Bold/Shaded = Exceeds Buffalo Sewer Authority Discharge Limits (Groundnwater Treatment Effluent Sample only)
ND = Not Detected
E = Exceeds Calibration Range
D = Sample reanalyzed and quantified at higher dilution
Well MW-11 was removed during excavation and is no longer sampled.
Well MW-15A was filled with gravel and is no longer sampled.

Prepared by:DRS
Date:10/12
Checked by:PWM
Date:10/12

Table 2B (Wells 11-16R)
Quarterly Groundwater Data
Leica Microsystems, Eggert Road
Cheektowaga, NY

ANALYTE	CAS	Method Detection Limit	RAOs GW	MW-11A (Deep Well) Cont.																													
Sample Collection Date:				Mar-27-03	Jul-11-03	Oct-21-03	Feb-06-04	May-25-04	Sept-26-04	Dec-21-04	Mar-25-05	June-27-05	Oct-23-05	Jan-05-06		Jan-05-06		Mar-17-06		July-11-06		Dec-18-06		Dec-18-06		May-02-07		Nov-14-07		Jul-1-08	
Dilution:				5.00	2.50	2.50	10.00	5.00	5.00	5.00	5.00	5.00	5.00	2.00		5.00		2.50		2.50		2.00		5.00		5.00		2.50		2.50			
Volatile Organic Compounds (ug/l)																																	
acetone	67641	20	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND		ND		ND		ND		ND		ND		ND		ND			
benzene	71432	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND		ND		ND		ND		ND		ND		ND		ND			
bromodichloromethane	75274	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND		ND		ND		ND		ND		ND		ND		ND			
bromoform	75252	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND		ND		ND		ND		ND		ND		ND		ND			
bromomethane	74839	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND		ND		ND		ND		ND		ND		ND		ND			
2-butanone (MEK)	78933	10	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND		ND		ND		ND		ND		ND		ND		ND			
carbon disulfide	75150	10	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND		ND		ND		ND		ND		ND		ND		ND			
carbon tetrachloride	56235	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND		ND		ND		ND		ND		ND		ND		ND			
chlorobenzene	108907	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND		ND		ND		ND		ND		ND		ND		ND			
chloroethane	75003	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND		ND		ND		ND		ND		ND		ND		ND			
chloroform	67663	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND		ND		ND		ND		ND		ND		ND		ND			
chloromethane	74873	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND		ND		ND		ND		ND		ND		ND		ND			
dibromochloromethane	124481	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND		ND		ND		ND		ND		ND		ND		ND			
1,1-dichloroethane	75343	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND		ND		ND		ND		ND		ND		ND		ND			
1,2-dichloroethane	107062	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND		ND		ND		ND		ND		ND		ND		ND			
1,1-dichloroethene	75354	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND		ND		ND		ND		ND		ND		ND		ND			
cis-1,2-dichloroethene	156592	5	**5**	**550**	**320**	**340**	**580**	**610**	**600**	**540**	**520**	**420**	**400**	***540***	*E*	**540**		**460**		**310**		**450**	**E**	**420**	**D**	**490**		**290**		**290**			
trans-1,2-dichloroethene	156605	5	**5**	**14**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND		ND		ND		ND		ND		ND		ND		ND			
1,2-dichloropropane	78875	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND		ND		ND		ND		ND		ND		ND		ND			
cis-1,3-dichloropropene	542756	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND		ND		ND		ND		ND		ND		ND		ND			
trans-1,3-dichloropropene	542756	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND		ND		ND		ND		ND		ND		ND		ND			
ethylbenzene	100414	5	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND		ND		ND		ND		ND		ND		ND		ND			
2-hexanone	591786	10	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND		ND		ND		ND		ND		ND		ND		ND			
methylene chloride	75092	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND		ND		ND		ND		ND		ND		ND		ND			
4-methyl-2-pentanone (MIBK)	108101	10	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND		ND		ND		ND		ND		ND		ND		ND			
styrene	100425	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND		ND		ND		ND		ND		ND		ND		ND			
1,1,2,2-tetrachloroethane	79345	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND		ND		ND		ND		ND		ND		ND		ND			
tetrachloroethene	127184	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND		ND		ND		ND		ND		ND		ND		ND			
toluene	108883	5	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND		ND		ND		ND		ND		ND		ND		ND			
1,1,1-trichloroethane	71556	5	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND		ND		ND		ND		ND		ND		ND		ND			
1,1,2-trichloroethane	79005	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND		ND		ND		ND		ND		ND		ND		ND			
trichloroethene	79016	5	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND		ND		ND		ND		ND		ND		ND		ND			
vinyl chloride	75014	5	**5**	**710**	**170**	**38**	**960**	**900**	**980**	**750**	**790**	**500**	**510**	***660***	*E*	**720**		**470**		**340**		**560**	**E**	**540**	**D**	**500**		**320**		**300**			
o-xylene	95476	5	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND		ND		ND		ND		ND		ND		ND		ND			
m+p xylene	108383/106423	5	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND		ND		ND		ND		ND		ND		ND		ND			
TOTAL VOCs				1274	490	378	1540	1510	1580	1290	1310	920	910	1200		1260		930		650		1010		960		990		610		590			
Percent TCE				0	0	0	0	0	0	0	0	0	0	0		0		0		0		0		0		0		0		0			
Percent DCE				43%	65%	90%	38%	40%	38%	42%	40%	46%	44%	45%		43%		49%		48%		45%		44%		49%		48%		49%			
Percent VC				56%	35%	10%	62%	60%	62%	58%	60%	54%	56%	55%		57%		51%		52%		55%		56%		51%		52%		51%			
Chemisrty (mg/L)				**MW-11A (Deep Well) Cont.**																													
Chloride				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		NA		NA		NA		NA		NA		NA			
Ferrous Iron				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		NA		NA		NA		NA		NA		NA			
Nitrate Nitrogen				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		NA		NA		NA		NA		NA		NA			
Sulfate				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		NA		NA		NA		NA		NA		NA			
Total Organic Carbon				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		NA		NA		NA		NA		NA		NA			
Ferrous Iron Dissolved				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		NA		NA		NA		NA		NA		NA			
Manganese				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		NA		NA		NA		NA		NA		NA			
Manganese Dissolved				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		NA		NA		NA		NA		NA		NA			
Dissolved Oxygen (DO)				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		NA		NA		NA		NA		NA		NA			
pH				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		NA		NA		NA		NA		NA		NA			
Oxygen Reduction Potential				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		NA		NA		NA		NA		NA		NA			

NOTES:
RAOs GW = Remedial Action Objectives for Groundwater
CAS = Chemical Abstract Service registry number
Bold = Exceeds RAOs for groundwater (Not applicable to Treatment System Effluent)
Bold/Shaded = Exceeds Buffalo Sewer Authority Discharge Limits (Groundnwater Trea
ND = Not Detected
E = Exceeds Calibration Range
D = Sample reanalyzed and quantified at higher dilution
Well MW-11 was removed during excavation and is no longer sampled.
Well MW-15A was filled with gravel and is no longer sampled.

Prepared by:DRS
Date:10/12
Checked by:PWM
Date:10/12

Table 2B (Wells 11-16R)
Quarterly Groundwater Data
Leica Microsystems, Eggert Road
Cheektowaga, NY

ANALYTE	CAS	Method Detection Limit	RAOs GW	MW-11A (Deep Well) Cont.				MW-14														
Sample Collection Date:				Apr-15-09	Oct-6-09	Mar-23-10	Jul-6-10	Base	Mar-29-00	Jun-22-00	Aug-21-00	Nov-30-00	Mar-27-01	Jun-13-01	Dec-19-01	Mar-20-02	Jun-25-02	Jan-20-03	March-27-03	Jul-11-03	Feb-05-04	May-25-04	Sept-26-04
Dilution:				1.00	1.00	2.50	2.50	2.00	2.50	2.00	2.00	2.50	2.00	5.00	2.00	2.00	2.00	2.00	1.00	2.50	2.50	1.00	2.50
Volatile Organic Compounds (ug/l)																							
acetone	67641	20	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzene	71432	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bromodichloromethane	75274	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bromoform	75252	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bromomethane	74839	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-butanone (MEK)	78933	10	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
carbon disulfide	75150	10	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
carbon tetrachloride	56235	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
chlorobenzene	108907	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
chloroethane	75003	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
chloroform	67663	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
chloromethane	74873	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
dibromochloromethane	124481	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	75343	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dichloroethane	107062	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	75354	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-dichloroethene	156592	5	**5**	**250**	**210**	**280**	**270**	**360**	**360**	**390**	**290**	**440**	**360**	**410**	**350**	**340**	**390**	**310**	**160**	**280**	**400**	**320**	**380**
trans-1,2-dichloroethene	156605	5	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**9.2**	ND	ND	ND	ND	ND	ND	ND
1,2-dichloropropane	78875	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	542756	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	542756	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ethylbenzene	100414	5	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-hexanone	591786	10	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
methylene chloride	75092	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone (MIBK)	108101	10	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
styrene	100425	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	79345	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tetrachloroethene	127184	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
toluene	108883	5	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	71556	5	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	79005	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trichloroethene	79016	5	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
vinyl chloride	75014	5	**5**	**260**	**290**	**290**	**280**	**150**	**170**	**140**	**77**	**160**	**30**	**44**	**36**	**26**	**40**	**62**	**37**	**110**	**290**	**64**	**320**
o-xylene	95476	5	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m+p xylene	108383/106423	5	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TOTAL VOCs				510	500	570	550	510	530	530	367	600	390	454	386	375.2	430	372	197	390	690	384	700
Percent TCE				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Percent DCE				49%	42%	49%	49%	71%	68%	74%	79%	73%	92%	90%	91%	91%	91%	83%	81%	72%	58%	83%	54%
Percent VC				51%	58%	51%	51%	29%	32%	26%	21%	27%	8%	10%	9%	7%	9%	17%	19%	28%	42%	17%	46%
Chemisrty (mg/L)				**MW-11A (Deep Well) Cont.**				**MW-14**															
Chloride				120	87.4	NA	107	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ferrous Iron				0.13	0.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate Nitrogen				0.5 U	0.5 U	NA	0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate				91.1	87.8	NA	74.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon				3.9	3.3	NA	3.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ferrous Iron Dissolved				0.12	0.1 U	NA	160	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese				73	74	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese Dissolved				74	69	NA	67	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Oxygen (DO)				NA	96.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH				7.21	7.22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Oxygen Reduction Potential				-216	-283	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

NOTES:
RAOs GW = Remedial Action Objectives for Groundwater
CAS = Chemical Abstract Service registry number
Bold = Exceeds RAOs for groundwater (Not applicable to Treatment System Effluent)
Bold/Shaded = Exceeds Buffalo Sewer Authority Discharge Limits (Groundnwater Trea
ND = Not Detected
E = Exceeds Calibration Range
D = Sample reanalyzed and quantified at higher dilution
Well MW-11 was removed during excavation and is no longer sampled.
Well MW-15A was filled with gravel and is no longer sampled.

Prepared by:DRS
Date:10/12
Checked by:PWM
Date:10/12

Table 2B (Wells 11-16R)
Quarterly Groundwater Data
Leica Microsystems, Eggert Road
Cheektowaga, NY

ANALYTE	CAS	Method Detection Limit	RAOs GW	MW-14 Cont.																													
Sample Collection Date:				Dec-21-04	Mar-24-05	June-26-05	Oct-23-05	Jan-04-06		Jan-04-06		Mar-17-06		July-20-06		Dec-18-06		May-02-07		May-14-08		May-14-08		Jul-30-08		Apr-15-09		Oct-6-09		Jan-14-10		Mar-23-10		Jul-6-10		Jul-6-10	
Dilution:				2.50	2.50	2.50	5.00	1.00		2.50		2.50		2.50		2.00		2.00		1.00		2.00		1.00		1.00		2.00		2.00		2.00		1.00	
Volatile Organic Compounds (ug/l)																																	
acetone	67641	20	-	ND	ND	ND	ND	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
benzene	71432	5	-	ND	ND	ND	ND	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
bromodichloromethane	75274	5	-	ND	ND	ND	ND	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
bromoform	75252	5	-	ND	ND	ND	ND	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
bromomethane	74839	5	-	ND	ND	ND	ND	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
2-butanone (MEK)	78933	10	-	ND	ND	ND	ND	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
carbon disulfide	75150	10	-	ND	ND	ND	ND	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
carbon tetrachloride	56235	5	-	ND	ND	ND	ND	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
chlorobenzene	108907	5	-	ND	ND	ND	ND	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
chloroethane	75003	5	-	ND	ND	ND	ND	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
chloroform	67663	5	-	ND	ND	ND	ND	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
chloromethane	74873	5	-	ND	ND	ND	ND	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
dibromochloromethane	124481	5	-	ND	ND	ND	ND	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
1,1-dichloroethane	75343	5	-	ND	ND	ND	ND	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
1,2-dichloroethane	107062	5	-	ND	ND	ND	ND	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
1,1-dichloroethene	75354	5	-	ND	ND	ND	ND	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
cis-1,2-dichloroethene	156592	5	**5**	**300**	**310**	**290**	**400**	**380**	*E*	**350**		**320**		**250**		**310**		**270**		**230**	**E**	**220**	**D**	**150**		**190**		**230**		**200**		**190**		**260**	D	**280**	E
trans-1,2-dichloroethene	156605	5	**5**	ND	ND	ND	ND	ND		ND		ND		ND		ND		ND		ND		ND		ND		**6.9**		ND		ND		ND		**7**	
1,2-dichloropropane	78875	5	-	ND	ND	ND	ND	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
cis-1,3-dichloropropene	542756	5	-	ND	ND	ND	ND	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
trans-1,3-dichloropropene	542756	5	-	ND	ND	ND	ND	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
ethylbenzene	100414	5	**5**	ND	ND	ND	ND	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
2-hexanone	591786	10	-	ND	ND	ND	ND	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
methylene chloride	75092	5	-	ND	ND	ND	ND	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
4-methyl-2-pentanone (MIBK)	108101	10	-	ND	ND	ND	ND	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
styrene	100425	5	-	ND	ND	ND	ND	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
1,1,2,2-tetrachloroethane	79345	5	-	ND	ND	ND	ND	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
tetrachloroethene	127184	5	-	ND	ND	ND	ND	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
toluene	108883	5	**5**	ND	ND	ND	ND	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
1,1,1-trichloroethane	71556	5	**5**	ND	ND	ND	ND	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
1,1,2-trichloroethane	79005	5	-	ND	ND	ND	ND	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
trichloroethene	79016	5	**5**	ND	ND	ND	ND	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
vinyl chloride	75014	5	**5**	**44**	**42**	**62**	**530**	**420**	*E*	**410**		**190**		**120**		**120**		**86**		**26**		**25**	**D**	**48**		**38**		**270**		**20**		**44**		**83**	D	**91**	
o-xylene	95476	5	**5**	ND	ND	ND	ND	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
m+p xylene	108383/106423	5	**5**	ND	ND	ND	ND	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
TOTAL VOCs				344	352	352	930	800		760		510		370		430		356		256		245		198		234.9		500		220		234		343		378	
Percent TCE				0	0	0	0	0		0		0		0		0		0		0		0		0		0		0		0		0		0		0	
Percent DCE				87%	88%	82%	43%	48%		46%		63%		68%		72%		76%		90%		90%		76%		81%		46%		91%		81%		76%		74%	
Percent VC				13%	12%	18%	57%	53%		54%		37%		32%		28%		24%		10%		10%		24%		16%		54%		9%		19%		24%		24%	
Chemisrty (mg/L)				**MW-14 Cont.**																													
Chloride				NA	NA	NA	NA	NA		NA		NA		NA		NA		NA		NA		62.4		49.3		64.2		39		26.4		45		55.1		55.1	
Ferrous Iron				NA	NA	NA	NA	NA		NA		NA		NA		NA		NA		NA		0.384		0.861		1.67		0.1	U	0.86		NA		NA		NA	
Nitrate Nitrogen				NA	NA	NA	NA	NA		NA		NA		NA		NA		NA		NA		<0.500		<0.500		0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Sulfate				NA	NA	NA	NA	NA		NA		NA		NA		NA		NA		NA		379		288		314		71.1		152		218		327		327	
Total Organic Carbon				NA	NA	NA	NA	NA		NA		NA		NA		NA		NA		NA		3.8		4.58		3.1		7.3		3.3		3.8		4.5		4.5	
Ferrous Iron Dissolved				NA	NA	NA	NA	NA		NA		NA		NA		NA		NA		NA		0.326		0.918		1.36		0.1	U	0.74		140		200		200	
Manganese				NA	NA	NA	NA	NA		NA		NA		NA		NA		NA		NA		0.11		0.0829		110		57		76		NA		NA		NA	
Manganese Dissolved				NA	NA	NA	NA	NA		NA		NA		NA		NA		NA		NA		0.106		0.0732		112		51		68		59		63		63	
Dissolved Oxygen (DO)				NA	NA	NA	NA	NA		NA		NA		NA		NA		NA		NA		NA		2.84		NA		17.8		15.9		NA		20.9		20.9	
pH				NA	NA	NA	NA	NA		NA		NA		NA		NA		NA		NA		NA		6.07		6.99		7.05		7.07		NA		7.04		7.04	
Oxygen Reduction Potential				NA	NA	NA	NA	NA		NA		NA		NA		NA		NA		NA		NA		-24		-272		-278.4		-18.3		NA		-71.8		-71.8	

NOTES:
RAOs GW = Remedial Action Objectives for Groundwater
CAS = Chemical Abstract Service registry number
Bold = Exceeds RAOs for groundwater (Not applicable to Treatment System Effluent)
Bold/Shaded = Exceeds Buffalo Sewer Authority Discharge Limits (Groundnwater Trea
ND = Not Detected
E = Exceeds Calibration Range
D = Sample reanalyzed and quantified at higher dilution
Well MW-11 was removed during excavation and is no longer sampled.
Well MW-15A was filled with gravel and is no longer sampled.

Prepared by:DRS
Date:10/12
Checked by:PWM
Date:10/12

Table 2B (Wells 11-16R)
Quarterly Groundwater Data
Leica Microsystems, Eggert Road
Cheektowaga, NY

ANALYTE	CAS	Method Detection Limit	RAOs GW	MW-14A (Deep Well)																		
Sample Collection Date:				Base	Jun-22-00	Mar-27-01	Jun-13-01	Sep-28-01	Dec-19-01	Mar-27-02	Jun-25-02	Sept-19-02	Jan-20-03	March-27-03	Jul-11-03	Oct-21-03	Feb-05-04	May-25-04	Sept-26-04	Dec-21-04	Mar-24-05	June-26-05	Oct-23-05
Dilution:				1.00	2.00	1.00	2.00	1.00	1.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Volatile Organic Compounds (ug/l)																						
acetone	67641	20	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzene	71432	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bromodichloromethane	75274	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bromoform	75252	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bromomethane	74839	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-butanone (MEK)	78933	10	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
carbon disulfide	75150	10	-	14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
carbon tetrachloride	56235	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
chlorobenzene	108907	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
chloroethane	75003	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
chloroform	67663	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
chloromethane	74873	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
dibromochloromethane	124481	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	75343	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dichloroethane	107062	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	75354	5	-	ND	ND	ND	ND	ND	ND	2.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-dichloroethene	156592	5	**5**	**26**	**130**	**140**	**200**	**10**	**100**	**200**	**170**	**14**	**120**	**170**	**49**	**5.4**	**160**	**160**	**16**	**14**	**88**	**84**	**12**
trans-1,2-dichloroethene	156605	5	**5**	ND	**12**	**13**	**14**	ND	**9.7**	**18**	**15**	ND	**7.1**	**10**	ND	ND	**8.1**	**6.8**	ND	ND	ND	ND	ND
1,2-dichloropropane	78875	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	542756	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	542756	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ethylbenzene	100414	5	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-hexanone	591786	10	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
methylene chloride	75092	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone (MIBK)	108101	10	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
styrene	100425	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	79345	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tetrachloroethene	127184	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
toluene	108883	5	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	71556	5	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	79005	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trichloroethene	79016	5	**5**	ND	**11**	**18**	**29**	ND	**5.9**	**26**	**14**	ND	ND	**5.3**	ND	ND	ND	ND	ND	ND	ND	ND	ND
vinyl chloride	75014	5	**5**	**13**	**280**	**29**	**31**	ND	**30**	**19**	**48**	**7.9**	**32**	**39**	**20**	**6.5**	**54**	**61**	**19**	**8.7**	**78**	**55**	**15**
o-xylene	95476	5	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m+p xylene	108383/106423	5	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TOTAL VOCs				53	433	200	274	10	145.6	265.7	247	21.9	159.1	224.3	69	11.9	222.1	227.8	35	22.7	166	139	27
Percent TCE				0	3%	9%	11%	0	4%	10%	6%	0	0	2%	0	0	0	0	0	0	0	0	0
Percent DCE				49%	30%	70%	73%	100%	69%	75%	69%	64%	75%	76%	71%	45%	72%	70%	46%	62%	53%	60%	44%
Percent VC				25%	65%	15%	11%	0	21%	7%	19%	36%	20%	17%	29%	55%	24%	27%	54%	38%	47%	40%	56%
Chemisrty (mg/L)				**MW-14A (Deep Well)**																		
Chloride				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ferrous Iron				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate Nitrogen				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ferrous Iron Dissolved				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese Dissolved				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Oxygen (DO)				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Oxygen Reduction Potential				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

NOTES:
RAOs GW = Remedial Action Objectives for Groundwater
CAS = Chemical Abstract Service registry number
Bold = Exceeds RAOs for groundwater (Not applicable to Treatment System Effluent)
Bold/Shaded = Exceeds Buffalo Sewer Authority Discharge Limits (Groundnwater Trea
ND = Not Detected
E = Exceeds Calibration Range
D = Sample reanalyzed and quantified at higher dilution
Well MW-11 was removed during excavation and is no longer sampled.
Well MW-15A was filled with gravel and is no longer sampled.

Prepared by:DRS
Date:10/12
Checked by:PWM
Date:10/12

Table 2B (Wells 11-16R)
Quarterly Groundwater Data
Leica Microsystems, Eggert Road
Cheektowaga, NY

ANALYTE	CAS	Method Detection Limit	RAOs GW	MW-14A (Deep Well) Cont.																					
Sample Collection Date:				Jan-04-06		Mar-17-06		July-13-06		Dec-18-06		May-02-07		Nov-14-07		May-14-08		Jul-30-08		Apr-15-09		Oct-6-09		Jan-14-10		Mar-23-10		Jul-6-10	
Dilution:				1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00	
Volatile Organic Compounds (ug/l)																											
acetone	67641	20	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
benzene	71432	5	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
bromodichloromethane	75274	5	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
bromoform	75252	5	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
bromomethane	74839	5	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
2-butanone (MEK)	78933	10	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
carbon disulfide	75150	10	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
carbon tetrachloride	56235	5	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
chlorobenzene	108907	5	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
chloroethane	75003	5	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
chloroform	67663	5	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
chloromethane	74873	5	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
dibromochloromethane	124481	5	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
1,1-dichloroethane	75343	5	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
1,2-dichloroethane	107062	5	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
1,1-dichloroethene	75354	5	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
cis-1,2-dichloroethene	156592	5	**5**	**47**		**48**		**13**		**43**		**39**		ND		**160**		**6.2**		**100**		**12**		**38**		**96**		**31**	
trans-1,2-dichloroethene	156605	5	**5**	ND		ND		ND		ND		ND		ND		**6.1**		ND		ND		ND		ND		ND		ND	
1,2-dichloropropane	78875	5	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
cis-1,3-dichloropropene	542756	5	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
trans-1,3-dichloropropene	542756	5	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
ethylbenzene	100414	5	**5**	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
2-hexanone	591786	10	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
methylene chloride	75092	5	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
4-methyl-2-pentanone (MIBK)	108101	10	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
styrene	100425	5	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
1,1,2,2-tetrachloroethane	79345	5	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
tetrachloroethene	127184	5	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
toluene	108883	5	**5**	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
1,1,1-trichloroethane	71556	5	**5**	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
1,1,2-trichloroethane	79005	5	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
trichloroethene	79016	5	**5**	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
vinyl chloride	75014	5	**5**	**57**		**40**		**10**		**42**		**29**		**7.2**		**56**		**8.2**		**57**		**16**		ND		**53**		**24**	
o-xylene	95476	5	**5**	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
m+p xylene	108383/106423	5	**5**	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
TOTAL VOCs				104		88		23		85		68		7.2		222.1		14.4		157		28		38		149		55	
Percent TCE				0		0		0		0		0		0		0		0		0		0		0		0		0	
Percent DCE				45%		55%		57%		51%		57%		0		72%		43%		64%		43%		100%		64%		56%	
Percent VC				55%		45%		43%		49%		43%		100%		25%		57%		36%		57%		0		36%		44%	
Chemisrty (mg/L)				**MW-14A (Deep Well) Cont.**																							
Chloride				NA		NA		NA		NA		NA		NA		27.1		15.2		27.8		15.1		15.9		21.7		15	
Ferrous Iron				NA		NA		NA		NA		NA		NA		0.126		0.613		2.74		0.1	U	0.1	U	NA		NA	
Nitrate Nitrogen				NA		NA		NA		NA		NA		NA		<0.500		<0.500		0.5	U	0.71		0.5	U	0.5	U	0.5	U
Sulfate				NA		NA		NA		NA		NA		NA		224		54.1		210		41.6		82.5		146		115	
Total Organic Carbon				NA		NA		NA		NA		NA		NA		3.48		3.53		2.9		2.6		3.4		4.5		3.9	
Ferrous Iron Dissolved				NA		NA		NA		NA		NA		NA		<0.100		1.29		4.17		0.1	U	0.1	U	1250		830	
Manganese				NA		NA		NA		NA		NA		NA		0.105		0.116		113		79		39		NA		NA	
Manganese Dissolved				NA		NA		NA		NA		NA		NA		0.0992		0.114		108		63		37		97		83	
Dissolved Oxygen (DO)				NA		NA		NA		NA		NA		NA		NA		1.42		NA		9		17.3		NA		15.2	
pH				NA		NA		NA		NA		NA		NA		NA		6.74		6.99		7.53		7.58		NA		7.17	
Oxygen Reduction Potential				NA		NA		NA		NA		NA		NA		NA		-205		-280		-276.2		26.4		NA		-104.7	

NOTES:
RAOs GW = Remedial Action Objectives for Groundwater
CAS = Chemical Abstract Service registry number
Bold = Exceeds RAOs for groundwater (Not applicable to Treatment System Effluent)
Bold/Shaded = Exceeds Buffalo Sewer Authority Discharge Limits (Groundnwater Trea
ND = Not Detected
E = Exceeds Calibration Range
D = Sample reanalyzed and quantified at higher dilution
Well MW-11 was removed during excavation and is no longer sampled.
Well MW-15A was filled with gravel and is no longer sampled.

Prepared by:DRS
Date:10/12
Checked by:PWM
Date:10/12

Table 2C (Wells 15-16R)
Quarterly Groundwater Data
Leica Microsystems, Eggert Road
Cheektowaga, NY

ANALYTE	CAS	Method Detection Limit	RAOs GW	MW-15					MW 16A (Deep Well)													
Sample Collection Date:				Mar-25-05	June-27-05	Oct-23-05	Jan-04-06	Mar-17-06	Base	Mar-29-00	Jun-22-00	Aug-21-00	Mar-27-01	Jun-13-01	Sep-28-01	Dec-19-01	Mar-20-02	Jun-25-02	Sept-19-02	Mar-27-03	Jul-11-03	Oct-21-03
Dilution:				1.00	1.00	1.00	1.00	1.00	500.00	20.00	25.00	20.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
Volatile Organic Compounds (ug/l)																						
acetone	67641	20	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzene	71432	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bromodichloromethane	75274	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bromoform	75252	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bromomethane	74839	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-butanone (MEK)	78933	10	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
carbon disulfide	75150	10	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
carbon tetrachloride	56235	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
chlorobenzene	108907	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
chloroethane	75003	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
chloroform	67663	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
chloromethane	74873	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
dibromochloromethane	124481	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	75343	5	-	9.3	10	12	8.2	6.2	ND	270	260	200	180	170	140	150	120	88	81	150	120	120
1,2-dichloroethane	107062	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	75354	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	21	ND	ND	ND	ND	ND
cis-1,2-dichloroethene	156592	5	**5**	**6.4**	ND	ND	ND	ND	**9400**	**3800**	**3100**	**3200**	**2000**	**2000**	**1800**	**1600**	**1300**	**1300**	**1200**	**1200**	**1100**	**1300**
trans-1,2-dichloroethene	156605	5	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	**150**	ND	ND	ND	**21**	ND	ND	ND	ND	ND
1,2-dichloropropane	78875	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	542756	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	542756	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ethylbenzene	100414	5	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-hexanone	591786	10	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
methylene chloride	75092	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone (MIBK)	108101	10	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
styrene	100425	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	79345	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tetrachloroethene	127184	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
toluene	108883	5	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10	ND	ND	ND	ND	ND
1,1,1-trichloroethane	71556	5	**5**	ND	ND	ND	ND	ND	**56000**	**410**	**290**	**200**	**160**	**120**	**89**	**120**	**92**	**55**	ND	**240**	**200**	**250**
1,1,2-trichloroethane	79005	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trichloroethene	79016	5	**5**	ND	ND	ND	ND	ND	**17000**	**2200**	**1300**	**910**	**1100**	**1000**	**730**	**690**	**840**	**480**	**260**	**1200**	**560**	**430**
vinyl chloride	75014	5	**5**	ND	ND	ND	ND	ND	ND	**620**	**620**	**1100**	**460**	**710**	**610**	**500**	**440**	**380**	**340**	**430**	**330**	**380**
o-xylene	95476	5	**5**	ND	ND	ND	ND	ND	**3800**	**110**	ND	ND	ND	ND	ND	ND	**12**	ND	ND	ND	ND	ND
m+p xylene	108383/106423	5	**5**	ND	ND	ND	ND	ND	**8400**	ND	**170**	ND	ND	**80**	**50**	ND	**19**	ND	ND	ND	ND	ND
TOTAL VOCs				15.7	10	12	8.2	6.2	94600	7410	5740	5610	4050	4080	3419	3060	2875	2303	1881	3220	2310	2480
Percent TCE				0	0	0	0	0	18%	30%	23%	16%	27%	25%	21%	23%	29%	21%	14%	37%	24%	17%
Percent DCE				41%	0	0	0	0	10%	51%	54%	57%	49%	49%	53%	52%	45%	56%	64%	37%	48%	52%
Percent VC				0	0	0	0	0	0	8%	11%	20%	11%	17%	18%	16%	15%	17%	18%	13%	14%	15%
Chemisrty (mg/L)				**MW-15**					**MW 16A (Deep Well)**													
Chloride				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ferrous Iron				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate Nitrogen				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carobn				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ferrous Iron Dissolved				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese Dissolved				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Oxygen (DO)				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Oxygen Reduction Potential				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

NOTES:
RAOs GW = Remedial Action Objectives for Groundwater
CAS = Chemical Abstract Service registry number
Bold = Exceeds RAOs for groundwater (Not applicable to Treatment System Effluent)
Bold/Shaded = Exceeds Buffalo Sewer Authority Discharge Limits (Groundnwater Treatment Effluent Sample only)
ND = Not Detected
E = Exceeds Calibration Range
D = Sample reanalyzed and quantified at higher dilution
Well MW-11 was removed during excavation and is no longer sampled.
Well MW-15A was filled with gravel and is no longer sampled.

Prepared by:DRS
Date:10/12
Checked by:PWM
Date:10/12

Table 2C (Wells 15-16R)
Quarterly Groundwater Data
Leica Microsystems, Eggert Road
Cheektowaga, NY

ANALYTE	CAS	Method Detection Limit	RAOs GW	MW 16A (Deep Well) Cont.																											
Sample Collection Date:				Feb-06-04		May-25-04		Sept-26-04		Dec-21-04		Mar-25-05		June-27-05		June 27-05		Oct-23-05		Jan-04-06		Mar-17-06		July-11-06		Dec-21-06		May-02-07		Nov-14-07		Nov-14-07		Mar-31-2008		Mar-31-2008		July-01-08	
Dilution:				10.00		10.00		10.00		20.00		20.00		20.00		100.00		10.00		10.00		10.00		10.00		10.00		5.00		1.00		10.00		5.00		10.00			
Volatile Organic Compounds (ug/l)																																					
acetone	67641	20	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
benzene	71432	5	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
bromodichloromethane	75274	5	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
bromoform	75252	5	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
bromomethane	74839	5	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
2-butanone (MEK)	78933	10	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
carbon disulfide	75150	10	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
carbon tetrachloride	56235	5	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
chlorobenzene	108907	5	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
chloroethane	75003	5	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
chloroform	67663	5	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
chloromethane	74873	5	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
dibromochloromethane	124481	5	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
1,1-dichloroethane	75343	5	-	110		170		240		190		200		410		ND		120		150		120		100		180		74		88		87		150		150	D	140	
1,2-dichloroethane	107062	5	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
1,1-dichloroethene	75354	5	-	ND		ND		ND		ND		ND		160		ND		ND		ND		ND		ND		ND		ND		10		ND		ND		ND	
cis-1,2-dichloroethene	156592	5	**5**	**1200**		**1400**		**1900**		**2100**		**2100**		**2300**		**2300**		**1200**		**1200**		**1100**		**1200**		**1500**		**860**		**980**	E	**960**	D	**1100**	E	**1100**	D	**1400**	
trans-1,2-dichloroethene	156605	5	**5**	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		**12**		ND		ND		ND		ND	
1,2-dichloropropane	78875	5	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
cis-1,3-dichloropropene	542756	5	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
trans-1,3-dichloropropene	542756	5	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
ethylbenzene	100414	5	**5**	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
2-hexanone	591786	10	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
methylene chloride	75092	5	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
4-methyl-2-pentanone (MIBK)	108101	10	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
styrene	100425	5	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
1,1,2,2-tetrachloroethane	79345	5	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
tetrachloroethene	127184	5	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
toluene	108883	5	**5**	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
1,1,1-trichloroethane	71556	5	**5**	**160**		**970**		**1200**		**2200**		**2000**		**16,000E**		**17000**		**230**		**530**		**630**		**210**		**840**		**190**		**210**	E	**200**	D	**730**		**750**	D	**580**	
1,1,2-trichloroethane	79005	5	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
trichloroethene	79016	5	**5**	**330**		**790**		**970**		**1500**		**1100**		**3000**		**3000**		**630**		**800**		**590**		**460**		**930**		**160**		**370**	E	**330**	D	**920**		**930**	D	**260**	
vinyl chloride	75014	5	**5**	**330**		**380**		**240**		**300**		**300**		**390**		ND		**330**		**320**		**260**		**280**		**430**		**170**		**240**	E	**210**	D	**250**		**260**	D	**290**	
o-xylene	95476	5	**5**	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
m+p xylene	108383/106423	5	**5**	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
TOTAL VOCs				2130		3710		4550		6290		5700		6260		22300		2510		3000		2700		2250		3880		1454		1910		1787		3150		3190		2670	
Percent TCE				15%		21%		21%		24%		19%		48%		13%		25%		27%		22%		20%		24%		11%		19%		18%		29%		29%		10%	
Percent DCE				56%		38%		42%		33%		37%		37%		10%		48%		40%		41%		53%		39%		59%		51%		54%		35%		34%		52%	
Percent VC				15%		10%		5%		5%		5%		6%		0		13%		11%		10%		12%		11%		12%		13%		12%		8%		8%		11%	
Chemisrty (mg/L)				**MW 16A (Deep Well) Cont.**																																			
Chloride				NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		306		NA	
Ferrous Iron				NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		< 0.100		NA	
Nitrate Nitrogen				NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		<0.500		NA	
Sulfate				NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		83.1		NA	
Total Organic Carobn				NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		2.3		NA	
Ferrous Iron Dissolved				NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		<0.100		NA	
Manganese				NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		0.102		NA	
Manganese Dissolved				NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		0.098		NA	
Dissolved Oxygen (DO)				NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
pH				NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
Oxygen Reduction Potential				NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	

NOTES:
RAOs GW = Remedial Action Objectives for Groundwater
CAS = Chemical Abstract Service registry number
Bold = Exceeds RAOs for groundwater (Not applicable to Treatment System Effluent)
Bold/Shaded = Exceeds Buffalo Sewer Authority Discharge Limits (Groundnwater Trea
ND = Not Detected
E = Exceeds Calibration Range
D = Sample reanalyzed and quantified at higher dilution
Well MW-11 was removed during excavation and is no longer sampled.
Well MW-15A was filled with gravel and is no longer sampled.

Prepared by:DRS
Date:10/12
Checked by:PWM
Date:10/12

Table 2C (Wells 15-16R)
Quarterly Groundwater Data
Leica Microsystems, Eggert Road
Cheektowaga, NY

ANALYTE	CAS	Method Detection Limit	RAOs GW	MW-16A (Deep Well) Cont.												MW-16R											
Sample Collection Date:				Jul-30-08		Apr-15-09		Oct-6-09		Mar-23-1010		Jul-6-10		Jul-6-10		Jun-22-00	Aug-21-00	Mar-27-01	Jun-13-01	Dec-19-01	Mar-20-02	Jun-25-02	Sept-19-02	Jan-20-03	Mar-27-03	Jul-11-03	Oct-21-03
Dilution:				10.00		1.00		1.00		10.00		5.00		1.00		50 or 100	10.00	5.00	5.00	5.00	2.00	2.50	50.00	5 or 10	5.00	2.00	2.50
Volatile Organic Compounds (ug/l)																											
acetone	67641	20	-	ND		ND		ND		ND		ND		ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzene	71432	5	-	ND		ND		ND		ND		ND		ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bromodichloromethane	75274	5	-	ND		ND		ND		ND		ND		ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bromoform	75252	5	-	ND		ND		ND		ND		ND		ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bromomethane	74839	5	-	ND		ND		ND		ND		ND		ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-butanone (MEK)	78933	10	-	ND		ND		ND		ND		ND		ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
carbon disulfide	75150	10	-	ND		ND		ND		ND		ND		ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
carbon tetrachloride	56235	5	-	ND		ND		ND		ND		ND		ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
chlorobenzene	108907	5	-	ND		ND		ND		ND		ND		ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
chloroethane	75003	5	-	ND		ND		ND		ND		ND		12		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
chloroform	67663	5	-	ND		ND		ND		ND		ND		ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
chloromethane	74873	5	-	ND		ND		ND		ND		ND		ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
dibromochloromethane	124481	5	-	ND		ND		ND		ND		ND		ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	75343	5	-	120		130		220		280		78	D	88		ND	ND	ND	28	35	26	38	390	72	53	42	99
1,2-dichloroethane	107062	5	-	ND		ND		ND		ND		ND		ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	75354	5	-	ND		ND		ND		ND		ND		6.3		ND	ND	ND	ND	ND	5.7	ND	ND	ND	ND	ND	ND
cis-1,2-dichloroethene	156592	5	**5**	**1400**		**950**		**1300**		**1100**		**850**	D	**820**	E	**350**	**1800**	**84**	**71**	**550**	**320**	**440**	**3000**	**1300**	**780**	**140**	**450**
trans-1,2-dichloroethene	156605	5	**5**	ND		ND		ND		ND		ND		**11**		ND	ND	ND	ND	ND	**11**	**24**	ND	ND	ND	ND	ND
1,2-dichloropropane	78875	5	-	ND		ND		ND		ND		ND		ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	542756	5	-	ND		ND		ND		ND		ND		ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	542756	5	-	ND		ND		ND		ND		ND		ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ethylbenzene	100414	5	**5**	ND		ND		ND		ND		ND		**5.9**		**1800**	ND	**26**	**38**	ND	3.4	ND	ND	**32**	ND	ND	ND
2-hexanone	591786	10	-	ND		ND		ND		ND		ND		ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
methylene chloride	75092	5	-	ND		ND		ND		ND		ND		ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone (MIBK)	108101	10	-	ND		ND		ND		ND		ND		ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
styrene	100425	5	-	ND		ND		ND		ND		ND		ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	79345	5	-	ND		ND		ND		ND		ND		ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tetrachloroethene	127184	5	-	ND		ND		ND		ND		ND		ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
toluene	108883	5	**5**	ND		ND		ND		ND		ND		ND		**850**	ND	ND	ND	ND	2.1	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	71556	5	**5**	**330**		**370**		**420**		**140**		**39**	D	**43**		**3900**	ND	**270**	**600**	**380**	**320**	**350**	**2700**	**570**	**460**	**230**	**160**
1,1,2-trichloroethane	79005	5	-	ND		ND		ND		ND		ND		ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trichloroethene	79016	5	**5**	**200**		**300**		**420**		**400**		**160**	D	**180**		**11000**	ND	**600**	**990**	**250**	**290**	**500**	**9400**	**26**	**140**	**46**	**50**
vinyl chloride	75014	5	**5**	**350**		**260**		**290**		**320**		**160**	D	**200**	E	ND	**1300**	ND	ND	ND	**11**	ND	ND	ND	ND	ND	ND
o-xylene	95476	5	**5**	ND		ND		ND		ND		ND		ND		**7600**	ND	**110**	**140**	**25**	**6.6**	ND	ND	**46**	ND	ND	ND
m+p xylene	108383/106423	5	**5**	ND		ND		ND		ND		ND		**6.5**		**13000**	ND	**65**	**94**	ND	**5.9**	ND	ND	**52**	**26**	ND	ND
TOTAL VOCs				2400		2010		2650		2240		1287		1372.7		38500	3100	1155	1961	1240	1001.7	1352	15490	2098	1459	458	759
Percent TCE				8%		15%		16%		18%		12%		13%		29%	0	52%	50%	20%	29%	37%	61%	1%	10%	10%	7%
Percent DCE				58%		47%		49%		49%		66%		60%		1%	58%	7%	4%	44%	32%	33%	19%	62%	53%	31%	59%
Percent VC				15%		13%		11%		14%		12%		15%		0	42%	0	0	0	1%	0	0	0	0	0	0
Chemisrty (mg/L)				**MW-16A (Deep Well) Cont.**												**MW-16R**											
Chloride				242		225		197		273		216		216		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ferrous Iron				0.412		0.24		0.34		NA		NA		NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate Nitrogen				<0.500		0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate				93.3		66.9		80		79.2		79.7		79.7		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carobn				7.62		5		4.5		4.5		3.6		3.6		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ferrous Iron Dissolved				0.288		0.3		0.23		130		130		130		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese				0.0963		79		84		NA		NA		NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese Dissolved				0.0896		71		79		100		68		68		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Oxygen (DO)				8.57		NA		15.5		NA		47.8		47.8		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH				7.33		NA		7.19		NA		7.02		7.02		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Oxygen Reduction Potential				-172		NA		-262		NA		-25.4		-25.4		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

NOTES:
RAOs GW = Remedial Action Objectives for Groundwater
CAS = Chemical Abstract Service registry number
Bold = Exceeds RAOs for groundwater (Not applicable to Treatment System Effluent)
Bold/Shaded = Exceeds Buffalo Sewer Authority Discharge Limits (Groundnwater Trea
ND = Not Detected
E = Exceeds Calibration Range
D = Sample reanalyzed and quantified at higher dilution
Well MW-11 was removed during excavation and is no longer sampled.
Well MW-15A was filled with gravel and is no longer sampled.

Prepared by:DRS
Date:10/12
Checked by:PWM
Date:10/12

Table 2C (Wells 15-16R)
Quarterly Groundwater Data
Leica Microsystems, Eggert Road
Cheektowaga, NY

ANALYTE	CAS	Method Detection Limit	RAOs GW	MW-16R Cont.																											
Sample Collection Date:				Feb-05-04		May-25-04		Sept-26-04		Dec-21-04		Mar-24-05		June-26-05		Oct-24-05		Jan-05-06		Jan-05-06		Mar-17-06		July-13-06		Dec-18-06		May-02-07		May-02-07		Nov-15-07		Nov-15-07		Mar-31-08	
Dilution:				20.00		20.00		100.00		100.00		20.00		200.00		100.00		25.00		1,000.00		25.00		20.00		10.00		10.00		20.00		10.00		25.00		10.00	
Volatile Organic Compounds (ug/l)																																			
acetone	67641	20	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
benzene	71432	5	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
bromodichloromethane	75274	5	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
bromoform	75252	5	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
bromomethane	74839	5	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
2-butanone (MEK)	78933	10	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
carbon disulfide	75150	10	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
carbon tetrachloride	56235	5	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
chlorobenzene	108907	5	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
chloroethane	75003	5	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		68		ND		70	
chloroform	67663	5	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
chloromethane	74873	5	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
dibromochloromethane	124481	5	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
1,1-dichloroethane	75343	5	-	110		150		ND		ND		250		ND		590		980		1000		1600		2000		1300		1900		2000		1400		1400		1700	
1,2-dichloroethane	107062	5	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
1,1-dichloroethene	75354	5	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		66		66		ND	
cis-1,2-dichloroethene	156592	5	**5**	**2300**		**2100**		**4700**		**1500**		**930**		**6000**		**3500**		**6500**	E	**6200**		**3800**		**2100**		**840**		**2900**	E	**3000**	D	**2700**	E	**2600**	D	**1100**	
trans-1,2-dichloroethene	156605	5	**5**	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
1,2-dichloropropane	78875	5	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
cis-1,3-dichloropropene	542756	5	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
trans-1,3-dichloropropene	542756	5	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
ethylbenzene	100414	5	**5**	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
2-hexanone	591786	10	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
methylene chloride	75092	5	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
4-methyl-2-pentanone (MIBK)	108101	10	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
styrene	100425	5	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
1,1,2,2-tetrachloroethane	79345	5	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
tetrachloroethene	127184	5	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
toluene	108883	5	**5**	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
1,1,1-trichloroethane	71556	5	**5**	**300**		**140**		**520**		ND		**120**		ND		ND		**630**		**610**		**250**		**160**		**94**		**280**		**290**		**280**		**270**		**84**	
1,1,2-trichloroethane	79005	5	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
trichloroethene	79016	5	**5**	**110**		**460**		**12000**		**14000**		**3300**		**30000**		**15000**		**14000**	E	**14000**		**4500**		**1900**		**390**		**2900**	E	**3000**	D	**3800**	E	**3600**	D	**210**	
vinyl chloride	75014	5	**5**	ND		ND		ND		ND		ND		ND		ND		**150**		ND		ND		ND		**58**		**72**		ND		110		ND		ND	
o-xylene	95476	5	**5**	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
m+p xylene	108383/106423	5	**5**	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
TOTAL VOCs				2820		2850		17220		15500		4600		36000		19090		22260		21810		10150		6160		2682		8052		8290		8424		7936		3164	
Percent TCE				4%		16%		70%		90%		72%		83%		79%		63%		64%		44%		31%		15%		36%		36%		45%		45%		7%	
Percent DCE				82%		74%		27%		10%		20%		17%		18%		29%		28%		37%		34%		31%		36%		36%		32%		33%		35%	
Percent VC				0		0		0		0		0		0		0		1%		0		0		0		2%		1%		0		1%		0		0	
Chemisrty (mg/L)				**MW-16R Cont.**																															
Chloride				NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		1060	
Ferrous Iron				NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		0.107	
Nitrate Nitrogen				NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		<0.500	
Sulfate				NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		31.7	
Total Organic Carobn				NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		4.8	
Ferrous Iron Dissolved				NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		<0.100	
Manganese				NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		0.346	
Manganese Dissolved				NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		0.366	
Dissolved Oxygen (DO)				NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
pH				NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
Oxygen Reduction Potential				NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	

NOTES:
RAOs GW = Remedial Action Objectives for Groundwater
CAS = Chemical Abstract Service registry number
Bold = Exceeds RAOs for groundwater (Not applicable to Treatment System Effluent)
Bold/Shaded = Exceeds Buffalo Sewer Authority Discharge Limits (Groundnwater Trea
ND = Not Detected
E = Exceeds Calibration Range
D = Sample reanalyzed and quantified at higher dilution
Well MW-11 was removed during excavation and is no longer sampled.
Well MW-15A was filled with gravel and is no longer sampled.

Prepared by:DRS
Date:10/12
Checked by:PWM
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Table 2C (Wells 15-16R)
Quarterly Groundwater Data
Leica Microsystems, Eggert Road
Cheektowaga, NY

ANALYTE	CAS	Method Detection Limit	RAOs GW	MW-16R Cont.																			
Sample Collection Date:				May-14-08		May-14-08		Jul-30-08		Jul-30-08		Apr-15-09		Oct-6-09		Jan-14-10		Mar-23-10		Jul-6-10		Jul-6-10	
Dilution:				10.00		20.00		10.00		20.00		1.00		1.00		1.00		5.00		2.00		1.00	
Volatile Organic Compounds (ug/l)																							
acetone	67641	20	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
benzene	71432	5	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
bromodichloromethane	75274	5	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
bromoform	75252	5	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
bromomethane	74839	5	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
2-butanone (MEK)	78933	10	-	ND		ND		280		230	D	ND		ND		ND		ND		ND		14	
carbon disulfide	75150	10	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
carbon tetrachloride	56235	5	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
chlorobenzene	108907	5	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
chloroethane	75003	5	-	ND		ND		ND		ND		520		280		290		500		320	D	340	E
chloroform	67663	5	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
chloromethane	74873	5	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
dibromochloromethane	124481	5	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
1,1-dichloroethane	75343	5	-	1800		1800	D	1700		1700	D	170		130		140		110		110	D	130	
1,2-dichloroethane	107062	5	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
1,1-dichloroethene	75354	5	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
cis-1,2-dichloroethene	156592	5	**5**	**2000**	**E**	**2000**	**D**	**2000**	**E**	**2100**	**D**	ND		ND		ND		ND		ND		ND	
trans-1,2-dichloroethene	156605	5	**5**	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
1,2-dichloropropane	78875	5	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
cis-1,3-dichloropropene	542756	5	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
trans-1,3-dichloropropene	542756	5	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
ethylbenzene	100414	5	**5**	ND		ND		ND		ND		ND		**26**		**31**		**34**		**47**	D	**52**	
2-hexanone	591786	10	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
methylene chloride	75092	5	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
4-methyl-2-pentanone (MIBK)	108101	10	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
styrene	100425	5	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
1,1,2,2-tetrachloroethane	79345	5	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
tetrachloroethene	127184	5	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
toluene	108883	5	**5**	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
1,1,1-trichloroethane	71556	5	**5**	**130**		**130**	D	**100**		**100**	D	ND		ND		ND		ND		ND		ND	
1,1,2-trichloroethane	79005	5	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
trichloroethene	79016	5	**5**	**280**		**290**	D	**85**		ND		ND		ND		ND		ND		ND		ND	
vinyl chloride	75014	5	**5**	ND		ND		**240**		**240**		ND		ND		ND		ND		ND		ND	
o-xylene	95476	5	**5**	ND		ND		ND		ND		ND		**12**		**35**		**37**		**47**		**52**	
m+p xylene	108383/106423	5	**5**	ND		ND		ND		ND		ND		**28**		**45**		**55**		**90**		**110**	
TOTAL VOCs				4210		4220		4405		4370		690		476		541		736		614		698	
Percent TCE				7%		7%		2%		0		0		0		0		0		0		0	
Percent DCE				48%		47%		45%		48%		0		0		0		0		0		0	
Percent VC				0		0		5%		5%		0		0		0		0		0		0	
Chemisrty (mg/L)				**MW-16R Cont.**																			
Chloride				NA		NA		NA		745		652		983		503		339		511		511	
Ferrous Iron				NA		NA		NA		31.7		0.28		2.85		1.49		NA		NA		NA	
Nitrate Nitrogen				NA		NA		NA		<0.500		0.5	U	0.5	U	0.5	U	0.5	U	0.5	u	0.5	U
Sulfate				NA		NA		NA		9.1		2.7		7.8		6.3		11.7		8.9		8.9	
Total Organic Carobn				NA		NA		NA		1080		65.7		39.8		71.9		43		22.5		22.5	
Ferrous Iron Dissolved				NA		NA		NA		30.1		0.38		2.35		1.52		280		940		940	
Manganese				NA		NA		NA		1.05		184		175		156		NA		NA		NA	
Manganese Dissolved				NA		NA		NA		0.854		123		167		73		64		82		82	
Dissolved Oxygen (DO)				NA		NA		NA		3.97		NA		7.9		21.1		NA		35.2		35.2	
pH				NA		NA		NA		6.43		NA		7.09		7.36		NA		7.18		7.18	
Oxygen Reduction Potential				NA		NA		NA		-101		NA		-297		-77.8		NA		-103.2		-103.2	

NOTES:
RAOs GW = Remedial Action Objectives for Groundwater
CAS = Chemical Abstract Service registry number
Bold = Exceeds RAOs for groundwater (Not applicable to Treatment System Effluent)
Bold/Shaded = Exceeds Buffalo Sewer Authority Discharge Limits (Groundnwater Trea
ND = Not Detected
E = Exceeds Calibration Range
D = Sample reanalyzed and quantified at higher dilution
Well MW-11 was removed during excavation and is no longer sampled.
Well MW-15A was filled with gravel and is no longer sampled.

Prepared by:DRS
Date:10/12
Checked by:PWM
Date:10/12

Table 2D(Wells 18-29A)
Quarterly Groundwater Data
Leica Microsystems, Eggert Road
Cheektowaga, NY

ANALYTE	CAS	Method Detection Limit	RAOs GW	MW-18												MW-18A					
Sample Collection Date:				Mar-24-05	Oct-24-05	Jan-04-06	Mar-17-06	May-02-07	Mar-31-08	May-14-08	Apr-15-09	Oct-6-09	Jan-14-10	Mar-23-10	July-2-10	Mar-31-08	May-14-08	Jul-30-08	Jul-30-08	Apr-15-09	Oct-6-09
Dilution:				1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	2.00	1.00	1.00
Volatile Organic Compounds (ug/l)																					
acetone	67641	20	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzene	71432	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bromodichloromethane	75274	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bromoform	75252	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bromomethane	74839	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-butanone (MEK)	78933	10	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
carbon disulfide	75150	10	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
carbon tetrachloride	56235	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
chlorobenzene	108907	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
chloroethane	75003	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
chloroform	67663	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
chloromethane	74873	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
dibromochloromethane	124481	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	75343	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dichloroethane	107062	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	75354	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-dichloroethene	156592	**5**	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**18**	**26**	**83**	**76** D	**56**	**33**
trans-1,2-dichloroethene	156605	**5**	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dichloropropane	78875	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	542756	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	542756	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ethylbenzene	100414	**5**	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-hexanone	591786	10	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
methylene chloride	75092	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone (MIBK)	108101	10	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
styrene	100425	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	79345	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tetrachloroethene	127184	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
toluene	108883	**5**	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	71556	**5**	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	79005	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trichloroethene	79016	**5**	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**30**	**15**	**200** E	**180** D	**140**	**44**
vinyl chloride	75014	**5**	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**11**	ND	ND	**11**	**6.2**
o-xylene	95476	**5**	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m+p xylene	108383/106423	**5**	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TOTAL VOCs				0	0	0	0	0	0	0	0	0	0	0	0	48	52	283	256	207	83.2
Percent TCE				0	0	0	0	0	0	0	0	0	0	0	0	63%	29%	71%	70%	68%	53%
Percent DCE				0	0	0	0	0	0	0	0	0	0	0	0	38%	50%	29%	30%	27%	40%
Percent VC				0	0	0	0	0	0	0	0	0	0	0	0	0	21%	0	0	5%	7%
Chemistry (mg/L)				MW-18												MW-18A					
Chloride				NA	NA	NA	NA	NA	29.6	NA	25.6	19.1	8.7	NA	NA	134	NA	NA	167	98.6	46.2
Ferrous Iron				NA	NA	NA	NA	NA	<0.100	NA	0.79	0.64	0.98	NA	NA	<0.100	NA	NA	<0.100	0.7	0.49
Nitrate Nitrogen				NA	NA	NA	NA	NA	<0.500	NA	0.5 U	0.5 U	0.5 U	NA	NA	<0.500	NA	NA	0.531	0.5 U	0.79
Sulfate				NA	NA	NA	NA	NA	76.7	NA	74.8	73.9	64.8	NA	NA	98.2	NA	NA	63.3	128	95.5
Total Organic Carbon				NA	NA	NA	NA	NA	3.98	NA	6.6	4	5.8	NA	NA	3.11	NA	NA	3.08	4	5
Ferrous Iron Dissolved				NA	NA	NA	NA	NA	<0.100	NA	0.92	0.38	0.78	NA	NA	<0.100	NA	NA	<0.100	0.89	0.25
Manganese				NA	NA	NA	NA	NA	0.162	NA	274	163	164	NA	NA	0.066	NA	NA	<0.0100	111	273
Manganese Dissolved				NA	NA	NA	NA	NA	0.165	NA	199	164	169	NA	NA	0.0486	NA	NA	<0.0100	74	235
Dissolved Oxygen (DO)				NA	NA	NA	NA	NA	NA	NA	NA	7.4	16.7	NA	NA	NA	NA	NA	4.27	NA	7.4
pH				NA	NA	NA	NA	NA	NA	NA	NA	7.14	7.59	NA	NA	NA	NA	NA	7.48	NA	7.14
Oxygen Reduction Potential				NA	NA	NA	NA	NA	NA	NA	NA	-296.9	-90.1	NA	NA	NA	NA	NA	-18	NA	-296.9

NOTES:
Base = Baseline sample collected 12/14/99
RAOs GW = Remedial Action Objectives for Groundwater
CAS = Chemical Abstract Service registry number
Bold = Exceeds RAOs for groundwater (Not applicable to Treatment System Effluent)
Bold/Shaded = Exceeds Buffalo Sewer Authority Discharge Limits (Groundnwater Treatment Effluent Sample only)
ND = Not Detected
E = Exceeds Calibration Range
D = Sample reanalyzed and quantified at higher dilution
NCD = (sample) Not Collected, Dry well
NSPD = Not sampled, pump down
Well MW-11 was removed during excavation and is no longer sampled.
Well MW-15A was filled with gravel and is no longer sampled.

Prepared by:DRS
Date:10/12
Checked by:PWM
Date:10/12

Table 2D(Wells 18-29A)
Quarterly Groundwater Data
Leica Microsystems, Eggert Road
Cheektowaga, NY

ANALYTE	CAS	Method Detection Limit	RAOs GW	MW-18A Cont.			MW-22													
Sample Collection Date:				Jan-14-10	Mar-23-10	July-23-10	Base	Jun-22-00	Mar-27-01	Jun-13-01	Dec-19-01	Mar-20-02	Jun-25-02	Sept-19-02	Jan-20-03	Mar-27-03	Jul-11-03	Oct-21-03	Feb-05-04	May-25-04	Sept-26-04	Dec-21-04
Dilution:				1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	NA	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Volatile Organic Compounds (ug/l)																						
acetone	67641	20	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND	ND	ND	ND	ND
benzene	71432	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND	ND	ND	ND	ND
bromodichloromethane	75274	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND	ND	ND	ND	ND
bromoform	75252	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND	ND	ND	ND	ND
bromomethane	74839	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND	ND	ND	ND	ND
2-butanone (MEK)	78933	10	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND	ND	ND	ND	ND
carbon disulfide	75150	10	-	ND	ND	ND	76	ND	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND	ND	ND	ND	ND
carbon tetrachloride	56235	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND	ND	ND	ND	ND
chlorobenzene	108907	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND	ND	ND	ND	ND
chloroethane	75003	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND	ND	ND	ND	ND
chloroform	67663	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND	ND	ND	ND	ND
chloromethane	74873	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND	ND	ND	ND	ND
dibromochloromethane	124481	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	75343	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dichloroethane	107062	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	75354	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-dichloroethene	156592	**5**	**5**	**57**	**67**	**140**	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND	ND	ND	**11**	ND
trans-1,2-dichloroethene	156605	**5**	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dichloropropane	78875	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	542756	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	542756	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND	ND	ND	ND	ND
ethylbenzene	100414	**5**	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND	ND	ND	ND	ND
2-hexanone	591786	10	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND	ND	ND	ND	ND
methylene chloride	75092	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone (MIBK)	108101	10	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND	ND	ND	ND	ND
styrene	100425	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	79345	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND	ND	ND	ND	ND
tetrachloroethene	127184	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND	ND	ND	ND	ND
toluene	108883	**5**	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	71556	**5**	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	79005	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND	ND	ND	ND	ND
trichloroethene	79016	**5**	**5**	**8.8**	**54**	**83**	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND	ND	ND	ND	ND
vinyl chloride	75014	**5**	**5**	**44**	**34**	**21**	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	ND	**5.7**	ND	ND	**48**	ND
o-xylene	95476	**5**	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND	ND	ND	ND	ND
m+p xylene	108383/106423	**5**	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND	ND	ND	ND	ND
TOTAL VOCs				109.8	155	244	76	0	0	0	0	0	0	0	0	0	0	5.7	0	0	59	0
Percent TCE				8%	35%	34%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Percent DCE				52%	43%	57%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19%	0
Percent VC				40%	22%	9%	0	0	0	0	0	0	0	0	0	0	0	100%	0	0	81%	0
Chemistry (mg/L)				MW-18A Cont.			MW-22															
Chloride				20.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ferrous Iron				0.12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate Nitrogen				0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate				119	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon				6.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ferrous Iron Dissolved				0.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese				66	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese Dissolved				63	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Oxygen (DO)				31	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH				7.59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Oxygen Reduction Potential				-90.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

NOTES:
Base = Baseline sample collected 12/14/99
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CAS = Chemical Abstract Service registry number
Bold = Exceeds RAOs for groundwater (Not applicable to Treatment System Effluent)
Bold/Shaded = Exceeds Buffalo Sewer Authority Discharge Limits (Groundnwater Treat
ND = Not Detected
E = Exceeds Calibration Range
D = Sample reanalyzed and quantified at higher dilution
NCD = (sample) Not Collected, Dry well
NSPD = Not sampled, pump down
Well MW-11 was removed during excavation and is no longer sampled.
Well MW-15A was filled with gravel and is no longer sampled.

Prepared by:DRS
Date:10/12
Checked by:PWM
Date:10/12

Table 2D(Wells 18-29A)
Quarterly Groundwater Data
Leica Microsystems, Eggert Road
Cheektowaga, NY

ANALYTE	CAS	Method Detection Limit	RAOs GW	MW-22 cont.																MW-22A		
Sample Collection Date:				Mar-24-05	June-26-05	Oct-23-05	Jan-04-06	Mar-17-06	July-13-06	Dec-18-06	May-02-07	Nov-14-07	May-14-08	Jul-30-08	Apr-15-09	Oct-6-09	Jan-14-10	Mar-23-10	July-2-10	May-3-07	Nov-22-07	May-14-08
Dilution:				1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Volatile Organic Compounds (ug/l)																						
acetone	67641	20	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	160
benzene	71432	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bromodichloromethane	75274	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bromoform	75252	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bromomethane	74839	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-butanone (MEK)	78933	10	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
carbon disulfide	75150	10	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
carbon tetrachloride	56235	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
chlorobenzene	108907	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
chloroethane	75003	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
chloroform	67663	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
chloromethane	74873	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
dibromochloromethane	124481	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	75343	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dichloroethane	107062	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	75354	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-dichloroethene	156592	**5**	**5**	ND	ND	**13**	ND	ND	ND	ND	ND	**17**	ND	ND	ND	**24**	ND	ND	ND	ND	ND	ND
trans-1,2-dichloroethene	156605	**5**	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dichloropropane	78875	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	542756	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	542756	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ethylbenzene	100414	**5**	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-hexanone	591786	10	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
methylene chloride	75092	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone (MIBK)	108101	10	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
styrene	100425	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	79345	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tetrachloroethene	127184	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
toluene	108883	**5**	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	71556	**5**	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	79005	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trichloroethene	79016	**5**	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
vinyl chloride	75014	**5**	**5**	ND	ND	**36**	ND	ND	ND	**8.7**	**34**	**12**	ND	ND	ND	**96**	ND	ND	ND	**5**	ND	ND
o-xylene	95476	**5**	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m+p xylene	108383/106423	**5**	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TOTAL VOCs				0	0	49	0	0	0	8.7	34	29	0	0	0	120	0	0	0	5	0	160
Percent TCE				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Percent DCE				0	0	27%	0	0	0	0	0	59%	0	0	0	20%	0	0	0	0	0	0
Percent VC				0	0	73%	0	0	0	100%	100%	41%	0	0	0	80%	0	0	0	100%	0	0
Chemistry (mg/L)				**MW-22 cont.**																**MW-22A**		
Chloride				NA	NA	NA	NA	NA	NA	NA	NA	NA	70.2	50.6	71.7	32.1	64.8	NA	NA	NA	NA	17.7
Ferrous Iron				NA	NA	NA	NA	NA	NA	NA	NA	NA	2.83	1.53	1.29	0.55	5.12	NA	NA	NA	NA	1.28
Nitrate Nitrogen				NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.500	<0.500	0.5	U 0.5 U	0.5 U	NA	NA	NA	NA	<0.500
Sulfate				NA	NA	NA	NA	NA	NA	NA	NA	NA	407	302	514	276	454	NA	NA	NA	NA	77.7
Total Organic Carbon				NA	NA	NA	NA	NA	NA	NA	NA	NA	3.88	3.81	4.5	5	4.1	NA	NA	NA	NA	7.96
Ferrous Iron Dissolved				NA	NA	NA	NA	NA	NA	NA	NA	NA	2.62	1.08	2.47	0.48	4.18	NA	NA	NA	NA	0.126
Manganese				NA	NA	NA	NA	NA	NA	NA	NA	NA	0.368	0.125	328	208	231	NA	NA	NA	NA	0.3
Manganese Dissolved				NA	NA	NA	NA	NA	NA	NA	NA	NA	0.351	0.0929	273	156	241	NA	NA	NA	NA	0.163
Dissolved Oxygen (DO)				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.04	NA	26	25.2	NA	NA	NA	NA	NA
pH				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.48	6.94	6.91	6.89	NA	NA	NA	NA	NA
Oxygen Reduction Potential				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	-112	-279	-273.8	-45.8	NA	NA	NA	NA	NA

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NCD = (sample) Not Collected, Dry well
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Well MW-11 was removed during excavation and is no longer sampled.
Well MW-15A was filled with gravel and is no longer sampled.

Prepared by:DRS
Date:10/12
Checked by:PWM
Date:10/12

Table 2D(Wells 18-29A)
Quarterly Groundwater Data
Leica Microsystems, Eggert Road
Cheektowaga, NY

ANALYTE	CAS	Method Detection Limit	RAOs GW	MW-22A Cont.						MW-23		MW-24								
Sample Collection Date:				Jul-30-08	Apr-15-09	Oct-6-09	Jan-14-10	Mar-23-10	July-2-10	Apr-15-09	Oct-6-09	Mar-31-08	Mar-31-08	May-14-08	Jul-30-08	Apr-15-09	Oct-6-09	Jan-14-10	Mar-23-10	Jul-6-10	Jul-6-10
Dilution:				1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	10.00	50.00	25.00	25.00	1.00	1.00	1.00	25.00	20.00	1.00
Volatile Organic Compounds (ug/l)																					
acetone	67641	20	-	110	46	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	650	ND	470 D	500 E
benzene	71432	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	120 D	140
bromodichloromethane	75274	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bromoform	75252	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bromomethane	74839	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-butanone (MEK)	78933	10	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1100	3700	**3700**	**2600** D	**2600** E
carbon disulfide	75150	10	-	ND	ND	ND	ND	ND	ND	24	14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
carbon tetrachloride	56235	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
chlorobenzene	108907	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
chloroethane	75003	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	27
chloroform	67663	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
chloromethane	74873	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
dibromochloromethane	124481	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	75343	5	-	ND	ND	ND	ND	ND	ND	ND	ND	300	330 D	240	190	350	370	470	**680**	**830** D	**860** E
1,2-dichloroethane	107062	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	75354	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-dichloroethene	156592	**5**	**5**	ND	ND	**5.1**	ND	ND	ND	ND	ND	**4600** E	**4800** D	**3600**	**2900**	**3200**	**2600**	**200**	**850**	ND	**85**
trans-1,2-dichloroethene	156605	**5**	**5**	ND	ND	ND	ND	ND	ND	ND	ND	**72**	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dichloropropane	78875	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	542756	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	542756	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ethylbenzene	100414	**5**	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-hexanone	591786	10	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
methylene chloride	75092	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone (MIBK)	108101	10	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
styrene	100425	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	79345	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tetrachloroethene	127184	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
toluene	108883	**5**	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	71556	**5**	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	79005	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trichloroethene	79016	**5**	**5**	ND	ND	ND	ND	ND	ND	ND	ND	**620**	**640** D	**490**	**380**	**370**	ND	ND	ND	ND	ND
vinyl chloride	75014	**5**	**5**	ND	ND	**17**	**7.7**	**14**	ND	ND	ND	**2200** E	**2300** D	**2000**	**1300**	**1800**	**2600**	**1500**	**2300**	**1200** D	**1200** E
o-xylene	95476	**5**	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m+p xylene	108383/106423	**5**	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TOTAL VOCs				110	46	22.1	7.7	14	0	24	14	7792	8070	6330	4770	5720	6670	6520	7530	5220	5412
Percent TCE				0	0	0	0	0	0	0	0	8%	8%	8%	8%	6%	0	0	0	0	0
Percent DCE				0	0	23%	0	0	0	0	0	59%	59%	57%	61%	56%	39%	3%	11%	0	2%
Percent VC				0	0	77%	100%	100%	0	0	0	28%	29%	32%	27%	31%	39%	23%	31%	23%	22%
Chemistry (mg/L)				MW-22A Cont.						MW-23		MW-24									
Chloride				16.8	10.1	25.4	12.8	NA	NA	NA	NA	90.1	NA	NA	380	194	191	200	239	237	237
Ferrous Iron				0.737	0.1 U	0.12	0.1 U	NA	NA	NA	NA	0.164	NA	NA	1.4	0.1	0.38	1 U	NA	NA	NA
Nitrate Nitrogen				<0.500	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	<0.500	NA	NA	<0.500	0.5 U	0.5 U	0.5 U	0.51	0.5 U	0.5 U
Sulfate				79.3	15.2	74	27.8	NA	NA	NA	NA	46.7	NA	NA	69.1	37.3	12.8	5.7	8.6	5.8	5.8
Total Organic Carbon				6.18	3.8	3.3	4.1	NA	NA	NA	NA	6.4	NA	NA	5.46	7	249	1370	1670	1430	1430
Ferrous Iron Dissolved				<0.100	0.13	0.1 U	0.1 U	NA	NA	NA	NA	<0.100	NA	NA	1.22	0.18	0.25	12.9	15400	6000	6000
Manganese				0.139	67	55	70	NA	NA	NA	NA	0.175	NA	NA	0.0814	45	81	213	NA	NA	NA
Manganese Dissolved				0.131	64	52	66	NA	NA	NA	NA	0.16	NA	NA	0.0723	40	78	159	289	167	167
Dissolved Oxygen (DO)				2.46	NA	30.1	17.7	NA	NA	NA	NA	NA	NA	NA	4.58	NA	39.4	48	NA	41.3	41.3
pH				7.02	7.02	7.06	7.02	NA	NA	NA	NA	NA	NA	NA	6.79	NA	6.85	6.59	NA	6.48	6.48
Oxygen Reduction Potential				-283	-337	-294.8	-249.7	NA	NA	NA	NA	NA	NA	NA	-62	NA	-249.8	-8.2	NA	-10.8	-10.8

NOTES:
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Well MW-11 was removed during excavation and is no longer sampled.
Well MW-15A was filled with gravel and is no longer sampled.

Prepared by:DRS
Date:10/12
Checked by:PWM
Date:10/12

Table 2D(Wells 18-29A)
Quarterly Groundwater Data
Leica Microsystems, Eggert Road
Cheektowaga, NY

ANALYTE	CAS	Method Detection Limit	RAOs GW	MW-24A										MW-25				MW-25A				
Sample Collection Date:				Mar-31-08	May-14-08	May-14-08	Jul-30-08	Jul-30-08	Apr-15-09	Oct-6-09	Jan-14-10	Mar-23-10	Jul-6-10	Sept-9-09	Jan-27-10	Mar-24-10	July-2-10	Sept-9-09	Sept-9-09	Jan-27-10	Mar-24-10	July-2-10
Dilution:				2.00	2.00	20.00	2.00	20.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00 Dup	1.00	1.00	1.00
Volatile Organic Compounds (ug/l)																						
acetone	67641	20	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	31	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzene	71432	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bromodichloromethane	75274	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bromoform	75252	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bromomethane	74839	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-butanone (MEK)	78933	10	-	ND	ND	ND	ND	ND	ND	ND	ND	**27**	**130**	ND	ND	ND	ND	ND	ND	ND	ND	ND
carbon disulfide	75150	10	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
carbon tetrachloride	56235	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
chlorobenzene	108907	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
chloroethane	75003	5	-	ND	ND	ND	ND	ND	ND	280	ND	**11**	**8.1**	ND	ND	ND	ND	ND	ND	ND	ND	ND
chloroform	67663	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	14	14	6.1	ND	ND
chloromethane	74873	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
dibromochloromethane	124481	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	75343	5	-	26	61	ND	72	73 D	84	130	67	60	69	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dichloroethane	107062	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	75354	5	-	ND	13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-dichloroethene	156592	**5**	**5**	**380**	**1800** E	**1700** D	**750** E	**760** D	**540**	ND	**140**	**77**	**36**	ND	ND	ND	ND	ND	ND	**6.4**	ND	ND
trans-1,2-dichloroethene	156605	**5**	**5**	ND	**19**	ND	**12**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dichloropropane	78875	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	542756	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	542756	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ethylbenzene	100414	**5**	**5**	ND	ND	ND	ND	ND	ND	**26**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-hexanone	591786	10	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
methylene chloride	75092	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone (MIBK)	108101	10	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
styrene	100425	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	79345	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tetrachloroethene	127184	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
toluene	108883	**5**	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**8.7**	**8.7**	ND	ND	ND
1,1,1-trichloroethane	71556	**5**	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	79005	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trichloroethene	79016	**5**	**5**	**23**	**110**	**110** D	**48**	**49** D	**26**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
vinyl chloride	75014	**5**	**5**	**94**	**590** E	**560** D	**390**	**400** D	**320**	ND	**190**	**110**	**64**	ND	ND	ND	ND	**9.1**	**9.9**	**23**	**15**	**14**
o-xylene	95476	**5**	**5**	ND	ND	ND	ND	ND	ND	**12**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m+p xylene	108383/106423	**5**	**5**	ND	ND	ND	ND	ND	ND	**28**	ND	ND	ND	ND	ND	ND	ND	**8.3**	**8.1**	ND	ND	ND
TOTAL VOCs				523	2593	2370	1272	1282	970	476	397	285	338.1	0	0	0	0	40.1	40.7	35.5	15	14
Percent TCE				4%	4%	5%	4%	4%	3%	0	0	0	0	0	0	0	0	0	0	0	0	0
Percent DCE				73%	69%	72%	59%	59%	56%	0	35%	27%	11%	0	0	0	0	0	0	18%	0	0
Percent VC				18%	23%	24%	31%	31%	33%	0	48%	39%	19%	0	0	0	0	23%	24%	65%	100%	100%
Chemistry (mg/L)				MW-24A										MW-25				MW-25A				
Chloride				95.8	NA	NA	NA	218	231	186	183	256	288	49.4	NA	NA	NA	50.3	59.9	NA	NA	NA
Ferrous Iron				0.155	NA	NA	NA	<0.100	2.63	2.67	4.97	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate Nitrogen				<0.500	NA	NA	NA	<0.500	0.5 U	0.5 U	0.5 U	0.55	0.5 U	0.88	NA	NA	NA	0.91	0.91	NA	NA	NA
Sulfate				94.5	NA	NA	NA	78.5	26.2	51.7	28.5	24.5	2.0 U	91.9	NA	NA	NA	43	43.8	NA	NA	NA
Total Organic Carbon				2.21	NA	NA	NA	3.73	5.9	19.6	10	19.1	73.2	17.1	NA	NA	NA	4.2	3.5	NA	NA	NA
Ferrous Iron Dissolved				<0.100	NA	NA	NA	<0.100	2.85	1.78	3.6	3380	16500	100 U	NA	NA	NA	100 U	100 U	NA	NA	NA
Manganese				0.116	NA	NA	NA	0.142	186	254	129	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese Dissolved				0.148	NA	NA	NA	0.133	176	247	254	160	171	110	NA	NA	NA	10 U	10 U	NA	NA	NA
Dissolved Oxygen (DO)				NA	NA	NA	NA	7.08	NA	15.7	20.1	NA	19.9	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH				NA	NA	NA	NA	7.3	NA	7.2	7.45	NA	7.1	7.15	NA	NA	NA	7.69	8.34	NA	NA	NA
Oxygen Reduction Potential				NA	NA	NA	NA	-3	NA	-304.5	-119.8	NA	-72.3	NA	NA	NA	NA	NA	NA	NA	NA	NA

NOTES:
Base = Baseline sample collected 12/14/99
RAOs GW = Remedial Action Objectives for Groundwater
CAS = Chemical Abstract Service registry number
Bold = Exceeds RAOs for groundwater (Not applicable to Treatment System Effluent)
Bold/Shaded = Exceeds Buffalo Sewer Authority Discharge Limits (Groundnwater Treat
ND = Not Detected
E = Exceeds Calibration Range
D = Sample reanalyzed and quantified at higher dilution
NCD = (sample) Not Collected, Dry well
NSPD = Not sampled, pump down
Well MW-11 was removed during excavation and is no longer sampled.
Well MW-15A was filled with gravel and is no longer sampled.

Prepared by:DRS
Date:10/12
Checked by:PWM
Date:10/12

Table 2D(Wells 18-29A)
Quarterly Groundwater Data
Leica Microsystems, Eggert Road
Cheektowaga, NY

ANALYTE	CAS	Method Detection Limit	RAOs GW	MW-26				MW-26A						MW-27	MW-27A	MW-28	MW-28A	MW-29A
Sample Collection Date:				Sept-9-09	Jan-27-10	Mar-24-10	July-2-10	Sept-9-09	Sept-9-09	Jan-27-10	Mar-24-10	July-2-10	July-2-10	July-2-10	July-2-10	July-2-10	July-2-10	July-2-10
Dilution:				1.00	1.00	1.00	1.00	1.00	10.00	10.00	5.00	1.00	5.00	1.00	1.00	1.00	1.00	1.00
Volatile Organic Compounds (ug/l)																		
acetone	67641	20	-	ND	ND	ND	ND	ND	ND	ND	100	ND	ND	ND	ND	ND	ND	ND
benzene	71432	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bromodichloromethane	75274	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bromoform	75252	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bromomethane	74839	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-butanone (MEK)	78933	10	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
carbon disulfide	75150	10	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
carbon tetrachloride	56235	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
chlorobenzene	108907	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
chloroethane	75003	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
chloroform	67663	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.7	ND	7.6	9.4
chloromethane	74873	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
dibromochloromethane	124481	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	75343	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dichloroethane	107062	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	75354	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-dichloroethene	156592	**5**	**5**	**46**	**5.2**	**12**	ND	**750** E	**740** D	**490**	**540**	**710** E	**680** D	ND	ND	27	ND	ND
trans-1,2-dichloroethene	156605	**5**	**5**	ND	ND	ND	ND	**16**	ND	ND	ND	**7.1**	ND	ND	ND	ND	ND	ND
1,2-dichloropropane	78875	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	542756	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	542756	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ethylbenzene	100414	**5**	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10
2-hexanone	591786	10	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
methylene chloride	75092	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone (MIBK)	108101	10	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
styrene	100425	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	79345	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tetrachloroethene	127184	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
toluene	108883	**5**	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	71556	**5**	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	79005	5	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trichloroethene	79016	**5**	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
vinyl chloride	75014	**5**	**5**	**28**	ND	**8**	ND	**560** E	**560** D	**270**	**350**	**590** E	**590** D	ND	ND	ND	ND	ND
o-xylene	95476	**5**	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	19
m+p xylene	108383/106423	**5**	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	16
TOTAL VOCs				74	5.2	20	0	1326	1300	760	990	1307.1	1270	0	7.7	27	7.6	54.4
Percent TCE				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Percent DCE				62%	100%	60%	0	57%	57%	64%	55%	54%	54%	0	0	100%	0	0
Percent VC				38%	0	40%	0	42%	43%	36%	35%	45%	46%	0	0	0	0	0
Chemistry (mg/L)				**MW-26**				**MW-26A**						**MW-27**	**MW-27A**	**MW-28**	**MW-28A**	**MW-29A**
Chloride				550	NA	NA	NA	46.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ferrous Iron				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate Nitrogen				0.5 U	NA	NA	NA	0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate				99.9	NA	NA	NA	73.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon				14.6	NA	NA	NA	4.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ferrous Iron Dissolved				100 U	NA	NA	NA	130	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese Dissolved				217	NA	NA	NA	10 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Oxygen (DO)				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH				7.18	NA	NA	NA	8.49	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Oxygen Reduction Potential				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

NOTES:
Base = Baseline sample collected 12/14/99
RAOs GW = Remedial Action Objectives for Groundwater
CAS = Chemical Abstract Service registry number
Bold = Exceeds RAOs for groundwater (Not applicable to Treatment System Effluent)
Bold/Shaded = Exceeds Buffalo Sewer Authority Discharge Limits (Groundnwater Treat
ND = Not Detected
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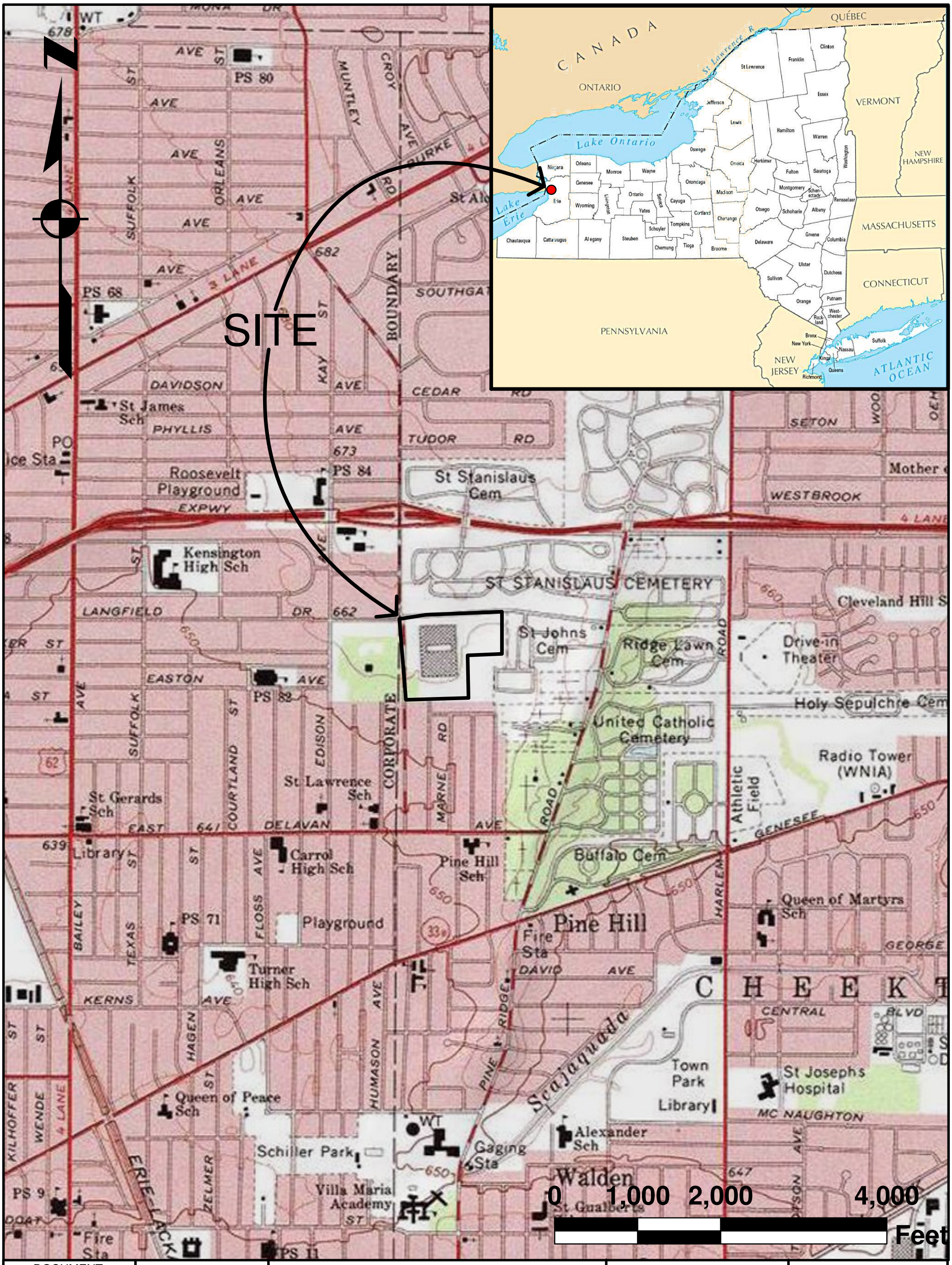
D = Sample reanalyzed and quantified at higher dilution
NCD = (sample) Not Collected, Dry well
NSPD = Not sampled, pump down
Well MW-11 was removed during excavation and is no longer sampled.
Well MW-15A was filled with gravel and is no longer sampled.

APPENDIX C

GROUNDWATER MONITORING FIGURES

FIGURE 1

SITE LOCATION MAP



DOCUMENT CONTROL NO.	PROJECT	LEICA MICROSYSTEMS INC. 203 EGGERT ROAD CHEEKTOWAGA, NY	ENERGY SOLUTIONS 100 Mill Plain Road Danbury, CT 06811 203-797-8301	PROJECT # 137015
				FILENAME:
REVISION NO.	DRAWING	SITE LOCATION MAP		SCALE: *SEE SCALEBAR* / DATE: 12/23/09
				BY: MT / CK:
				FIGURE # 1

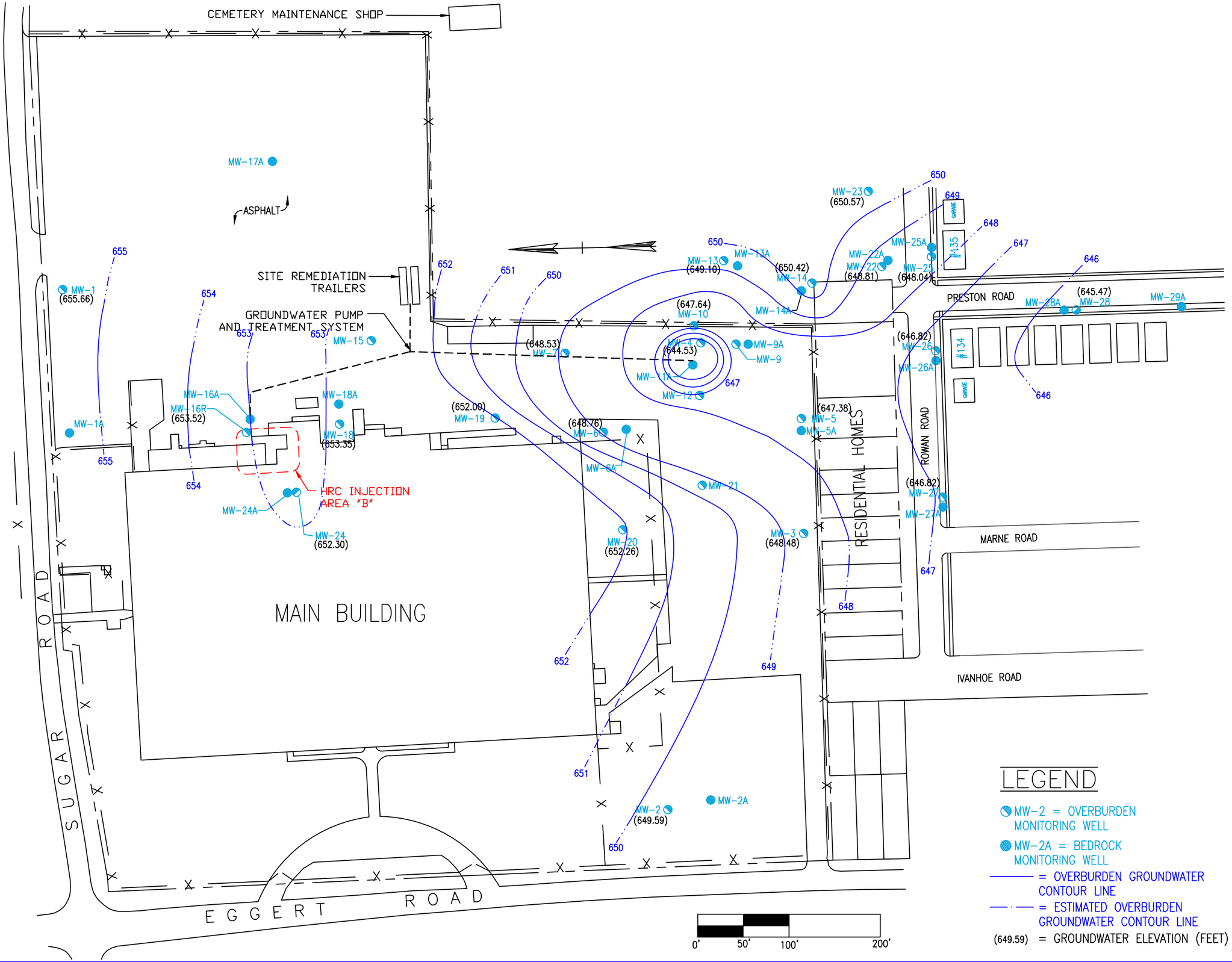
FIGURE 2

WELL LOCATIONS

DOCUMENT CONTROL NO.	PROJECT	LEICA MICROSYSTEMS INC. 203 EGGERT ROAD CHEEKTOWAGA, NY	ENERGY SOLUTIONS 100 Mill Plain Road Danbury, CT 06811 203-797-8301	PROJECT # 137015
				FILENAME:
REVISION NO.	DRAWING	MONITORING WELL LOCATIONS		SCALE: *SEE SCALEBAR* / DATE: 8/17/10
				BY: MT / CK: PM
				FIGURE # 2

FIGURE 3

GROUNDWATER CONTOURS, JULY 2010, OVERBURDEN WELLS



LEGEND

- MW-2 = OVERBURDEN MONITORING WELL
- MW-2A = BEDROCK MONITORING WELL
- ——— = OVERBURDEN GROUNDWATER CONTOUR LINE
- —·— = ESTIMATED OVERBURDEN GROUNDWATER CONTOUR LINE
- (649.59) = GROUNDWATER ELEVATION (FEET)

PROJECT # 137015
FILENAME:
SCALE: 1": 100'
DATE: 9/30/10
BY: MT
CK: PM
FIGURE # 3

ENERGY SOLUTIONS
100 MILL PLAIN RD
DANBURY, CT. 06811
(203)797-8301

PROJECT
LEICA MICROSYSTEMS INC.
203 EGGERT RD
CHEEKTOWAGA, NY

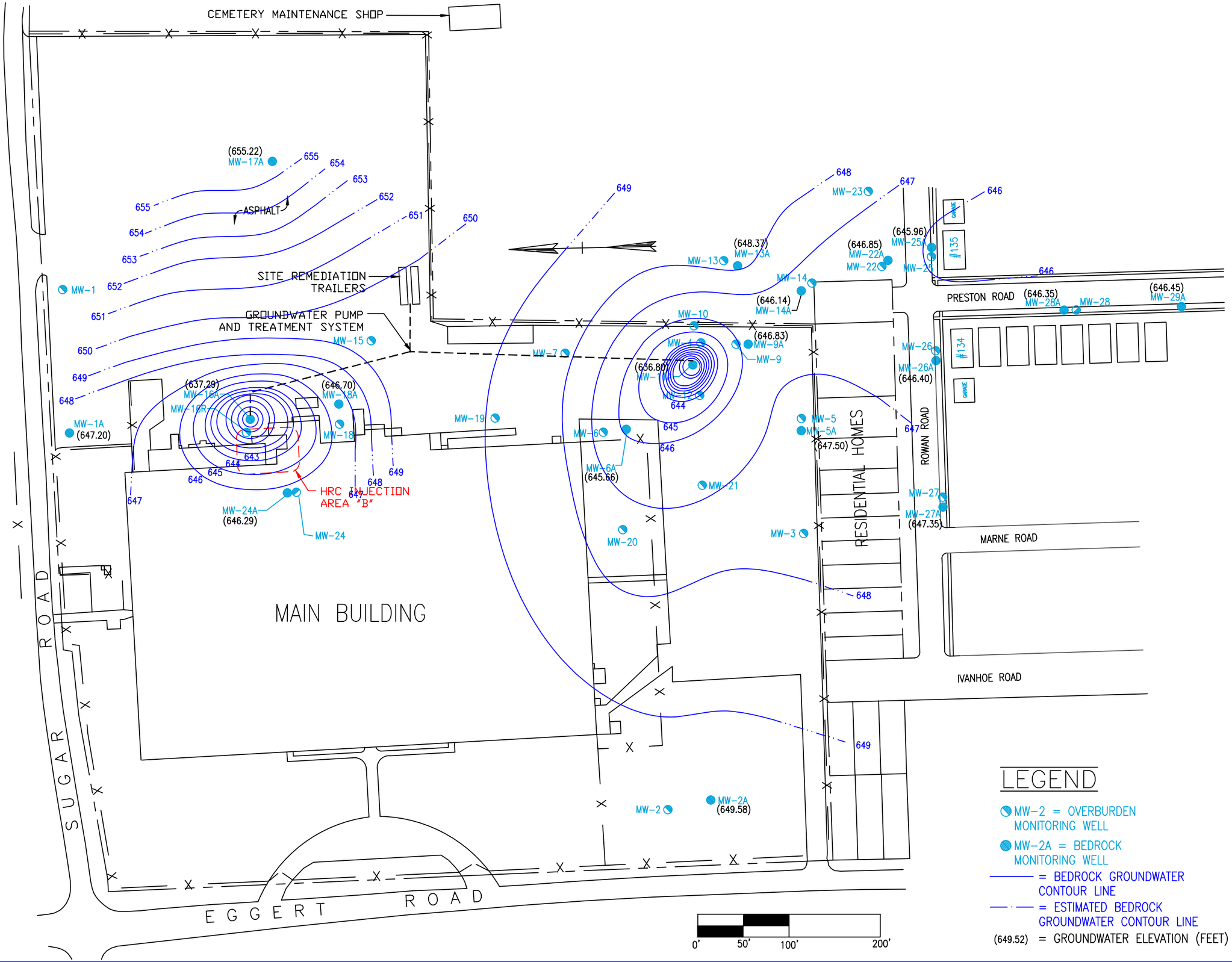
DRAWING
GROUNDWATER CONTOURS, JULY 2010, OVERBURDEN WELLS

DOCUMENT CONTROL NO.

REVISION NO.

FIGURE 4

GROUNDWATER CONTOURS, JULY 2010, BEDROCK WELLS



LEGEND

- MW-2 = OVERBURDEN MONITORING WELL
- MW-2A = BEDROCK MONITORING WELL
- ——— = BEDROCK GROUNDWATER CONTOUR LINE
- —·— = ESTIMATED BEDROCK GROUNDWATER CONTOUR LINE
- (649.52) = GROUNDWATER ELEVATION (FEET)

PROJECT # 137015
FILENAME:
SCALE: 1": 100'
DATE: 9/14/10
BY: MT
CK: PM
FIGURE # 4

ENERGY SOLUTIONS
100 MILL PLAIN RD
DANBURY, CT. 06811
(203)797-8301

LEICA MICROSYSTEMS INC.
203 EGGERT RD
CHEEKTOWAGA, NY

GROUNDWATER CONTOURS, JULY 2010, BEDROCK WELLS

PROJECT

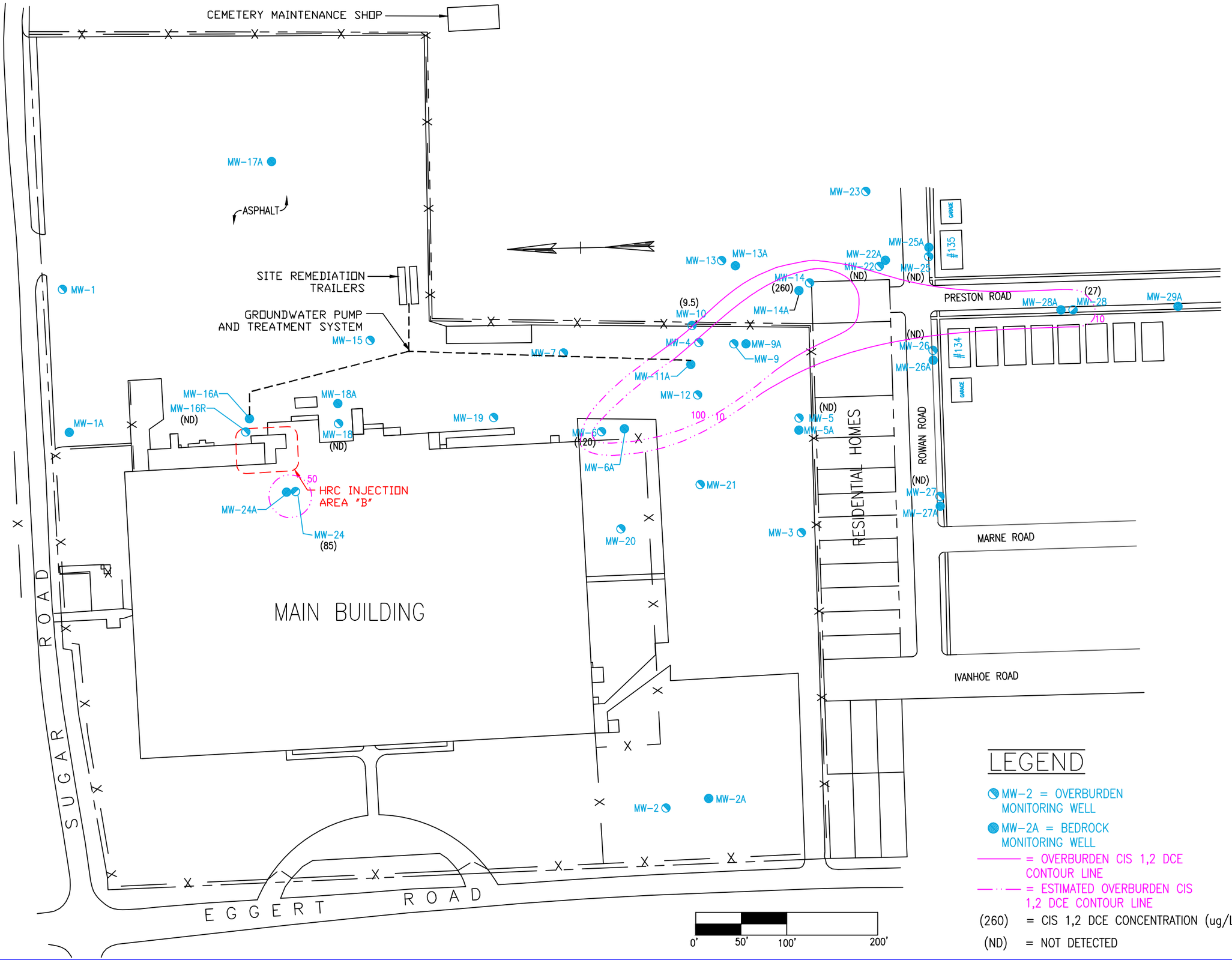
DRAWING

DOCUMENT CONTROL NO.

REVISION NO.

FIGURE 5

CIS-1,2-DCE CONTAMINANT CONCENTRATION ISOPLETHS, JULY 2010, OVERBURDEN WELLS



LEGEND

- MW-2 = OVERBURDEN MONITORING WELL
- MW-2A = BEDROCK MONITORING WELL
- ——— = OVERBURDEN CIS 1,2 DCE CONTOUR LINE
- —··— = ESTIMATED OVERBURDEN CIS 1,2 DCE CONTOUR LINE
- (260) = CIS 1,2 DCE CONCENTRATION (ug/L)
- (ND) = NOT DETECTED

PROJECT # 137015
FILENAME:
SCALE: 1": 100'
DATE: 9/30/10
BY: MT
CK: PM
FIGURE # 5

ENERGY SOLUTIONS
100 MILL PLAIN RD
DANBURY, CT. 06811
(203)797-8301

LEICA MICROSYSTEMS INC.
203 EGGERT RD
CHEEKTOWAGA, NY

CIS 1,2 DCE CONTAMINANT CONCENTRATION ISOPLETHS, JULY 2010, OVERBURDEN WELLS

PROJECT

DRAWING

DOCUMENT CONTROL NO.

REVISION NO.

FIGURE 6

CIS-1,2-DCE CONTAMINANT CONCENTRATION ISOPLETHS, JULY 2010, BEDROCK WELLS

CEMETERY MAINTENANCE SHOP

MW-17A

ASPHALT

MW-1

SITE REMEDIATION TRAILERS

GROUNDWATER PUMP AND TREATMENT SYSTEM

MW-15

10

(850)
MW-16A
MW-16R

(140)
MW-18A
MW-18

MW-1A

500

100

HRC INJECTION AREA "B"

MW-24A
(36)
10

MW-24

MW-19

MW-7

MW-6

MW-6A
(380)

MW-21

MW-20

MW-3

MW-13

MW-13A

MW-14

MW-14A
(31)

MW-10

MW-4

MW-9A

MW-9

MW-11A
(270)

MW-12

100

10

MW-5

MW-5A
(ND)

MW-23

(ND)
MW-22A
MW-22

(ND)
MW-25A
MW-25

GARAGE
#135

PRESTON ROAD

(ND)
MW-28A

MW-28

(ND)
MW-29A

MW-26

500

MW-26A
(680)

#134

GARAGE

RESIDENTIAL HOMES

ROWAN ROAD

MW-27

MW-27A
(ND)

MARNE ROAD

IVANHOE ROAD

MAIN BUILDING

MW-2

MW-2A

SUGAR ROAD

EGGERT ROAD

LEGEND

- MW-2 = OVERBURDEN MONITORING WELL
- MW-2A = BEDROCK MONITORING WELL
- ——— = BEDROCK CIS 1,2 DCE CONTOUR LINE
- —··— = ESTIMATED BEDROCK CIS 1,2 DCE CONTOUR LINE
- (850) = CIS 1,2 DCE CONCENTRATION (ug/L)
- (ND) = NOT DETECTED

0' 50' 100' 200'

PROJECT # 137015
FILENAME:
SCALE: 1": 100'
DATE: 9/3/10
BY: MT
CK: PM
FIGURE # 6

ENERGY SOLUTIONS
100 MILL PLAIN RD
DANBURY, CT. 06811
(203)797-8301

LEICA MICROSYSTEMS INC.
203 EGGERT RD
CHEEKTOWAGA, NY

CIS 1,2 DCE CONTAMINANT CONCENTRATION ISOPLETHS, JULY 2010, BEDROCK WELLS

PROJECT

DRAWING

DOCUMENT CONTROL NO.

REVISION NO.

FIGURE 7

VINYL CHLORIDE CONTAMINANT CONCENTRATION ISOPLETHS, JULY 2010, OVERBURDEN WELLS

CEMETERY MAINTENANCE SHOP

MW-17A

ASPHALT

SITE REMEDIATION TRAILERS

GROUNDWATER PUMP AND TREATMENT SYSTEM

MW-1

MW-15

MW-7

MW-16A

MW-16R (ND)

MW-18A

MW-18 (ND)

MW-1A

MW-19

MW-6 (53)

MW-6A

1000

HRC INJECTION AREA "B"

MW-24A

MW-24 (1200)

MW-21

MW-20

MW-3

MW-2

MW-2A

MAIN BUILDING

MW-23

MW-13

MW-13A

MW-22A

MW-22 (ND)

MW-25A

MW-25 (ND)

MW-14 (83)

MW-14A

(24) MW-10

MW-4

MW-9A

MW-9

MW-11A

MW-12

50

10

MW-5 (ND)

MW-5A

RESIDENTIAL HOMES

ROWAN ROAD

MW-26 (ND)

MW-26A

MW-27 (ND)

MW-27A

PRESTON ROAD

MW-28A

MW-28 (ND)

MW-29A

GARAGE #135

GARAGE #134

MARNE ROAD

IVANHOE ROAD

SUGAR ROAD

EGGERT ROAD

0' 50' 100' 200'

LEGEND

- MW-2 = OVERBURDEN MONITORING WELL
- MW-2A = BEDROCK MONITORING WELL
- ——— = OVERBURDEN VINYL CHLORIDE CONTOUR LINE
- —··— = ESTIMATED OVERBURDEN VINYL CHLORIDE CONTOUR LINE
- (1200) = VINYL CHLORIDE CONCENTRATION (ug/L)
- (ND) = NOT DETECTED

PROJECT # 137015

FILENAME:

SCALE: 1": 100'

DATE: 9/3/10

BY: MT

CK: PM

FIGURE # 7

ENERGY SOLUTIONS
100 MILL PLAIN RD
DANBURY, CT. 06811
(203)797-8301

LEICA MICROSYSTEMS INC.
203 EGGERT RD
CHEEKTOWAGA, NY

VINYL CHLORIDE CONTAMINANT CONCENTRATION ISOPLETHS, JULY 2010, OVERBURDEN WELLS

PROJECT

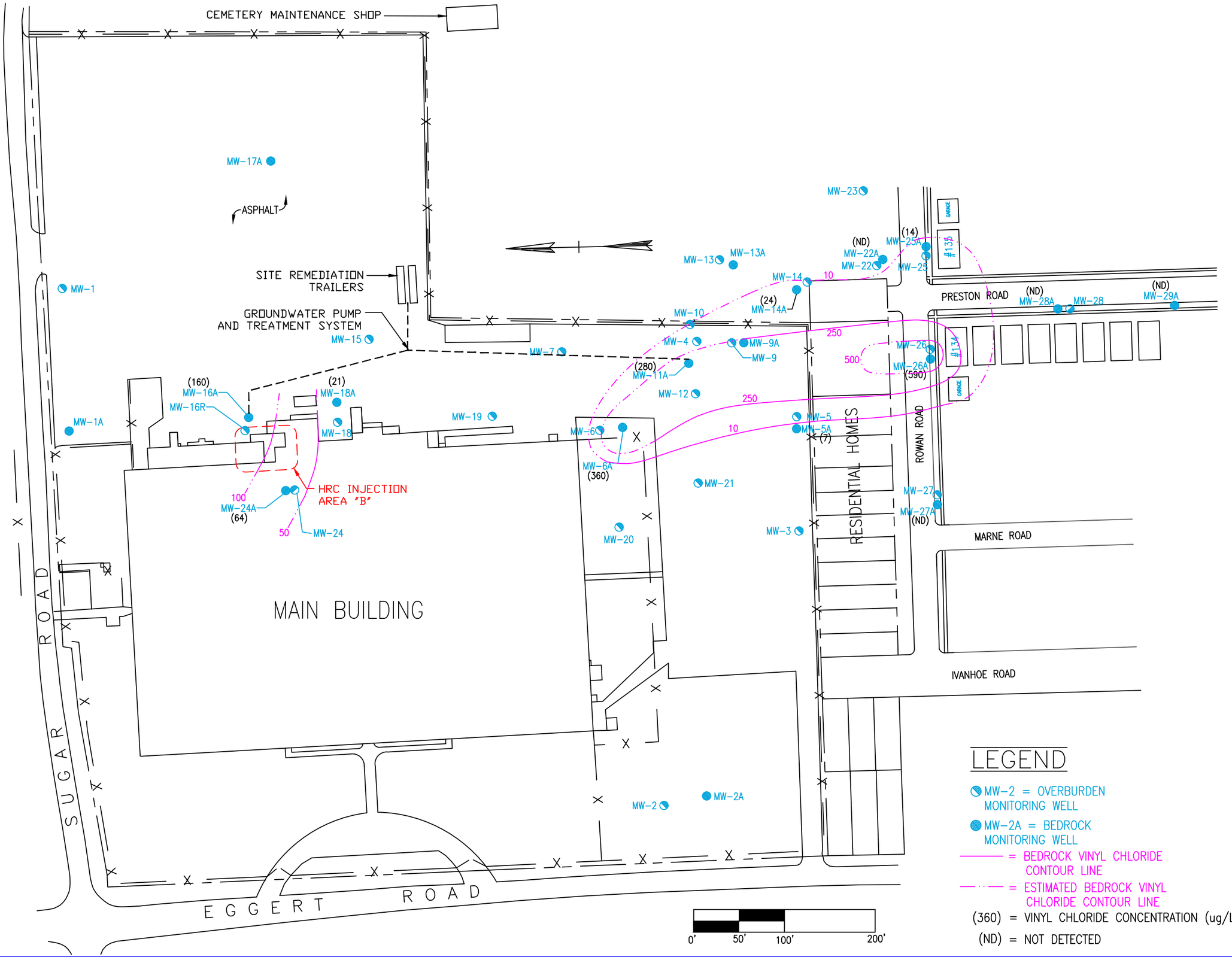
DRAWING

DOCUMENT CONTROL NO.

REVISION NO.

FIGURE 8

VINYL CHLORIDE CONTAMINANT CONCENTRATION ISOPLETHS, JULY 2010, BEDROCK WELLS



LEGEND

- MW-2 = OVERBURDEN MONITORING WELL
- MW-2A = BEDROCK MONITORING WELL
- ——— = BEDROCK VINYL CHLORIDE CONTOUR LINE
- —··— = ESTIMATED BEDROCK VINYL CHLORIDE CONTOUR LINE
- (360) = VINYL CHLORIDE CONCENTRATION (ug/L)
- (ND) = NOT DETECTED

PROJECT # 137015
FILENAME:
SCALE: 1": 100'
BY: MT
DATE: 9/30/10
CK: PM
FIGURE # 8

ENERGY SOLUTIONS
100 MILL PLAIN RD
DANBURY, CT. 06811
(203)797-8301

LEICA MICROSYSTEMS INC.
203 EGGERT RD
CHEEKTOWAGA, NY

VINYL CHLORIDE CONTAMINANT CONCENTRATION ISOPLETHS, JULY 2010, BEDROCK WELLS

PROJECT

DRAWING

DOCUMENT CONTROL NO.

REVISION NO.

APPENDIX D

ANALYTICAL DATA

JULY 2010 GROUNDWATER ANALYTICAL DATA

Columbia Analytical Services™ 1 Mustard Street, Suite 250 | Rochester, NY 14609 | 585-288-5380 | 585-288-8475 fax | www.caslab.com

July 19, 2010 Service Request No: R1003586

Mr. Robert McPeak
Energy Solutions, Inc.
100 Mill Plain Rd
2nd Floor Mailbox 106
Danbury, CT 06811

Laboratory Results for: Leica Wells July 2010

Dear Mr. McPeak:

Enclosed are the results of the sample(s) submitted to our laboratory on July 7, 2010. For your reference, these analyses have been assigned our service request number **R1003586**.

All analyses were performed according to our laboratory's quality assurance program. The test results meet requirements of the NELAP standards except as noted in the case narrative report. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please contact me if you have any questions. My extension is 134. You may also contact me via email at KBunker@caslab.com.

Respectfully submitted,

Columbia Analytical Services, Inc.

Karen Bunker
Project Manager

COLUMBIA ANALYTICAL SERVICES, INC.

Client:	Energy Solutions	**Service Request No.:**	R1003586
Project:	Leica Wells 7/2010	**Date Received:**	7/7/2010
Sample Matrix:	Water		

All analyses were performed consistent with the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for samples designated for Tier II data deliverables. When appropriate to the method, method blank results have been reported with each analytical test. Surrogate recoveries have been reported for all applicable organic analyses.

Sample Receipt

Thirteen (13) groundwater samples were collected by the client between 7/2-3/2010 and received for analysis at Columbia Analytical Services on 7/7/10 via CAS Courier. The samples were received in good condition. The cooler receipt temperature was 3°C, within the guidelines of 0-6°C. One vial for each of the locations MW-22 and MW-22A were received broken. There was sufficient volume for analysis however.

Volatile Organics

Thirteen (13) water samples were analyzed for Volatile Organic compounds by GC/MS method 8260B.

The Initial and Continuing Calibration Criteria were met.

Batch QC is included in the report. All Laboratory Control Sample (LCS) recoveries for target compounds were within QC limits.

Hits above the calibration range of the standards are flagged as "E", estimated. The sample is then repeated at the appropriate dilution for the hit. Both sets of data are included in the report. The subsequent hit is flagged as "D".

All Surrogate recoveries are within acceptance limits.

All Laboratory Method Blanks were free from contamination.

The samples were analyzed within the 14 day holding time for the method. All vials are checked for preservation after the analysis in order to maintain the integrity of the sample. All vials were found to be preserved to a pH of <2.

No problems were encountered during the analysis of these samples.

Approved by Karen Burnley Date 7/19/10

CASE NARRATIVE

This report contains analytical results for the following samples:
Service Request Number: R1003586

Lab ID	Client ID
R1003586-001	MW-27
R1003586-002	MW-25
R1003586-003	MW-25A
R1003586-004	MW-26
R1003586-005	MW-28
R1003586-006	MW-29A
R1003586-007	MW-28A
R1003586-008	MW-26A
R1003586-009	MW-27A
R1003586-010	MW-22A
R1003586-011	MW-22
R1003586-012	MW-18A
R1003586-013	MW-18

Columbia Analytical Services™

REPORT QUALIFIERS

U	Analyte was analyzed for but not detected. The sample quantitation limit has been corrected for dilution and for percent moisture, unless otherwise noted in the case narrative.
J	Estimated value due to either being a Tentatively Identified Compound (TIC) or that the concentration is between the MRL and the MDL. Concentrations are not verified within the linear range of the calibration. For DoD: concentration >40% difference between two GC columns (pesticides/Arclors).
B	Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.
E	Inorganics- Concentration is estimated due to the serial dilution was outside control limits.
E	Organics- Concentration has exceeded the calibration range for that specific analysis.
D	Concentration is a result of a dilution, typically a secondary analysis of the sample due to exceeding the calibration range or that a surrogate has been diluted out of the sample and cannot be assessed.
*	Indicates that a quality control parameter has exceeded laboratory limits.
#	Spike was diluted out.
+	Correlation coefficient for MSA is <0.995.
N	Inorganics- Matrix spike recovery was outside laboratory limits.
N	Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.
S	Concentration has been determined using Method of Standard Additions (MSA).
W	Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.
P	Concentration >40% (25% for CLP) difference between the two GC columns.
C	Confirmed by GC/MS
Q	DoD reports: indicates a pesticide/Aroclor is not confirmed (≥100% Difference between two GC columns).
X	See Case Narrative for discussion.

CAS/Rochester Lab ID # for State Certifications[1]

NELAP Accredited
Delaware Accredited
Connecticut ID # PH0556
Florida ID # E87674
Illinois ID #200047
Maine ID #NY0032
Nebraska Accredited
Navy Facilities Engineering Service Center Approved
Nevada ID # NY-00032
New Jersey ID # NY004
New York ID # 10145
New Hampshire ID # 294100 A/B
Pennsylvania ID# 68-786
Rhode Island ID # 158
West Virginia ID # 292

[1] Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable, except as noted in the laboratory case narrative provided. For a specific list of accredited analytes, refer to the certifications section at www.caslab.com.

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Energy Solutions	**Service Request:**	R1003586
Project:	Leica Wells July 2010	**Date Collected:**	7/ 2/10 1235
Sample Matrix:	Water	**Date Received:**	7/ 7/10
Sample Name:	MW-27	**Units:**	µg/L
Lab Code:	R1003586-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Acetone	20	U	20	1	NA	7/10/10 01:53		207946	
Benzene	5.0	U	5.0	1	NA	7/10/10 01:53		207946	
Bromodichloromethane	5.0	U	5.0	1	NA	7/10/10 01:53		207946	
Bromoform	5.0	U	5.0	1	NA	7/10/10 01:53		207946	
Bromomethane	5.0	U	5.0	1	NA	7/10/10 01:53		207946	
2-Butanone (MEK)	10	U	10	1	NA	7/10/10 01:53		207946	
Carbon Disulfide	10	U	10	1	NA	7/10/10 01:53		207946	
Carbon Tetrachloride	5.0	U	5.0	1	NA	7/10/10 01:53		207946	
Chlorobenzene	5.0	U	5.0	1	NA	7/10/10 01:53		207946	
Chloroethane	5.0	U	5.0	1	NA	7/10/10 01:53		207946	
Chloroform	5.0	U	5.0	1	NA	7/10/10 01:53		207946	
Chloromethane	5.0	U	5.0	1	NA	7/10/10 01:53		207946	
Dibromochloromethane	5.0	U	5.0	1	NA	7/10/10 01:53		207946	
1,1-Dichloroethane	5.0	U	5.0	1	NA	7/10/10 01:53		207946	
1,2-Dichloroethane	5.0	U	5.0	1	NA	7/10/10 01:53		207946	
1,1-Dichloroethene	5.0	U	5.0	1	NA	7/10/10 01:53		207946	
cis-1,2-Dichloroethene	5.0	U	5.0	1	NA	7/10/10 01:53		207946	
trans-1,2-Dichloroethene	5.0	U	5.0	1	NA	7/10/10 01:53		207946	
1,2-Dichloropropane	5.0	U	5.0	1	NA	7/10/10 01:53		207946	
cis-1,3-Dichloropropene	5.0	U	5.0	1	NA	7/10/10 01:53		207946	
trans-1,3-Dichloropropene	5.0	U	5.0	1	NA	7/10/10 01:53		207946	
Ethylbenzene	5.0	U	5.0	1	NA	7/10/10 01:53		207946	
2-Hexanone	10	U	10	1	NA	7/10/10 01:53		207946	
Methylene Chloride	5.0	U	5.0	1	NA	7/10/10 01:53		207946	
4-Methyl-2-pentanone (MIBK)	10	U	10	1	NA	7/10/10 01:53		207946	
Styrene	5.0	U	5.0	1	NA	7/10/10 01:53		207946	
1,1,2,2-Tetrachloroethane	5.0	U	5.0	1	NA	7/10/10 01:53		207946	
Tetrachloroethene	5.0	U	5.0	1	NA	7/10/10 01:53		207946	
Toluene	5.0	U	5.0	1	NA	7/10/10 01:53		207946	
1,1,1-Trichloroethane	5.0	U	5.0	1	NA	7/10/10 01:53		207946	
1,1,2-Trichloroethane	5.0	U	5.0	1	NA	7/10/10 01:53		207946	
Trichloroethene	5.0	U	5.0	1	NA	7/10/10 01:53		207946	
Vinyl Chloride	5.0	U	5.0	1	NA	7/10/10 01:53		207946	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Energy Solutions	**Service Request:**	R1003586
Project:	Leica Wells July 2010	**Date Collected:**	7/ 2/10 1235
Sample Matrix:	Water	**Date Received:**	7/ 7/10
Sample Name:	MW-27	**Units:**	µg/L
Lab Code:	R1003586-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
o-Xylene	5.0	U	5.0	1	NA	7/10/10 01:53		207946	
m,p-Xylenes	5.0	U	5.0	1	NA	7/10/10 01:53		207946	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
4-Bromofluorobenzene	105	85-122	7/10/10 01:53		
Toluene-d8	102	87-121	7/10/10 01:53		
Dibromofluoromethane	105	89-119	7/10/10 01:53		

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Energy Solutions	**Service Request:**	R1003586
Project:	Leica Wells July 2010	**Date Collected:**	7/ 2/10 1345
Sample Matrix:	Water	**Date Received:**	7/ 7/10
Sample Name:	MW-25	**Units:**	µg/L
Lab Code:	R1003586-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Acetone	20	U	20	1	NA	7/10/10 02:21		207946	
Benzene	5.0	U	5.0	1	NA	7/10/10 02:21		207946	
Bromodichloromethane	5.0	U	5.0	1	NA	7/10/10 02:21		207946	
Bromoform	5.0	U	5.0	1	NA	7/10/10 02:21		207946	
Bromomethane	5.0	U	5.0	1	NA	7/10/10 02:21		207946	
2-Butanone (MEK)	10	U	10	1	NA	7/10/10 02:21		207946	
Carbon Disulfide	10	U	10	1	NA	7/10/10 02:21		207946	
Carbon Tetrachloride	5.0	U	5.0	1	NA	7/10/10 02:21		207946	
Chlorobenzene	5.0	U	5.0	1	NA	7/10/10 02:21		207946	
Chloroethane	5.0	U	5.0	1	NA	7/10/10 02:21		207946	
Chloroform	5.0	U	5.0	1	NA	7/10/10 02:21		207946	
Chloromethane	5.0	U	5.0	1	NA	7/10/10 02:21		207946	
Dibromochloromethane	5.0	U	5.0	1	NA	7/10/10 02:21		207946	
1,1-Dichloroethane	5.0	U	5.0	1	NA	7/10/10 02:21		207946	
1,2-Dichloroethane	5.0	U	5.0	1	NA	7/10/10 02:21		207946	
1,1-Dichloroethene	5.0	U	5.0	1	NA	7/10/10 02:21		207946	
cis-1,2-Dichloroethene	5.0	U	5.0	1	NA	7/10/10 02:21		207946	
trans-1,2-Dichloroethene	5.0	U	5.0	1	NA	7/10/10 02:21		207946	
1,2-Dichloropropane	5.0	U	5.0	1	NA	7/10/10 02:21		207946	
cis-1,3-Dichloropropene	5.0	U	5.0	1	NA	7/10/10 02:21		207946	
trans-1,3-Dichloropropene	5.0	U	5.0	1	NA	7/10/10 02:21		207946	
Ethylbenzene	5.0	U	5.0	1	NA	7/10/10 02:21		207946	
2-Hexanone	10	U	10	1	NA	7/10/10 02:21		207946	
Methylene Chloride	5.0	U	5.0	1	NA	7/10/10 02:21		207946	
4-Methyl-2-pentanone (MIBK)	10	U	10	1	NA	7/10/10 02:21		207946	
Styrene	5.0	U	5.0	1	NA	7/10/10 02:21		207946	
1,1,2,2-Tetrachloroethane	5.0	U	5.0	1	NA	7/10/10 02:21		207946	
Tetrachloroethene	5.0	U	5.0	1	NA	7/10/10 02:21		207946	
Toluene	5.0	U	5.0	1	NA	7/10/10 02:21		207946	
1,1,1-Trichloroethane	5.0	U	5.0	1	NA	7/10/10 02:21		207946	
1,1,2-Trichloroethane	5.0	U	5.0	1	NA	7/10/10 02:21		207946	
Trichloroethene	5.0	U	5.0	1	NA	7/10/10 02:21		207946	
Vinyl Chloride	5.0	U	5.0	1	NA	7/10/10 02:21		207946	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Energy Solutions	**Service Request:**	R1003586
Project:	Leica Wells July 2010	**Date Collected:**	7/ 2/10 1345
Sample Matrix:	Water	**Date Received:**	7/ 7/10
Sample Name:	MW-25	**Units:**	µg/L
Lab Code:	R1003586-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
o-Xylene	5.0	U	5.0	1	NA	7/10/10 02:21		207946	
m,p-Xylenes	5.0	U	5.0	1	NA	7/10/10 02:21		207946	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
4-Bromofluorobenzene	103	85-122	7/10/10 02:21		
Toluene-d8	102	87-121	7/10/10 02:21		
Dibromofluoromethane	106	89-119	7/10/10 02:21		

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Energy Solutions	**Service Request:**	R1003586
Project:	Leica Wells July 2010	**Date Collected:**	7/ 2/10 1400
Sample Matrix:	Water	**Date Received:**	7/ 7/10
Sample Name:	MW-25A	**Units:**	µg/L
Lab Code:	R1003586-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Acetone	20	U	20	1	NA	7/10/10 02:48		207946	
Benzene	5.0	U	5.0	1	NA	7/10/10 02:48		207946	
Bromodichloromethane	5.0	U	5.0	1	NA	7/10/10 02:48		207946	
Bromoform	5.0	U	5.0	1	NA	7/10/10 02:48		207946	
Bromomethane	5.0	U	5.0	1	NA	7/10/10 02:48		207946	
2-Butanone (MEK)	10	U	10	1	NA	7/10/10 02:48		207946	
Carbon Disulfide	10	U	10	1	NA	7/10/10 02:48		207946	
Carbon Tetrachloride	5.0	U	5.0	1	NA	7/10/10 02:48		207946	
Chlorobenzene	5.0	U	5.0	1	NA	7/10/10 02:48		207946	
Chloroethane	5.0	U	5.0	1	NA	7/10/10 02:48		207946	
Chloroform	5.0	U	5.0	1	NA	7/10/10 02:48		207946	
Chloromethane	5.0	U	5.0	1	NA	7/10/10 02:48		207946	
Dibromochloromethane	5.0	U	5.0	1	NA	7/10/10 02:48		207946	
1,1-Dichloroethane	5.0	U	5.0	1	NA	7/10/10 02:48		207946	
1,2-Dichloroethane	5.0	U	5.0	1	NA	7/10/10 02:48		207946	
1,1-Dichloroethene	5.0	U	5.0	1	NA	7/10/10 02:48		207946	
cis-1,2-Dichloroethene	5.0	U	5.0	1	NA	7/10/10 02:48		207946	
trans-1,2-Dichloroethene	5.0	U	5.0	1	NA	7/10/10 02:48		207946	
1,2-Dichloropropane	5.0	U	5.0	1	NA	7/10/10 02:48		207946	
cis-1,3-Dichloropropene	5.0	U	5.0	1	NA	7/10/10 02:48		207946	
trans-1,3-Dichloropropene	5.0	U	5.0	1	NA	7/10/10 02:48		207946	
Ethylbenzene	5.0	U	5.0	1	NA	7/10/10 02:48		207946	
2-Hexanone	10	U	10	1	NA	7/10/10 02:48		207946	
Methylene Chloride	5.0	U	5.0	1	NA	7/10/10 02:48		207946	
4-Methyl-2-pentanone (MIBK)	10	U	10	1	NA	7/10/10 02:48		207946	
Styrene	5.0	U	5.0	1	NA	7/10/10 02:48		207946	
1,1,2,2-Tetrachloroethane	5.0	U	5.0	1	NA	7/10/10 02:48		207946	
Tetrachloroethene	5.0	U	5.0	1	NA	7/10/10 02:48		207946	
Toluene	5.0	U	5.0	1	NA	7/10/10 02:48		207946	
1,1,1-Trichloroethane	5.0	U	5.0	1	NA	7/10/10 02:48		207946	
1,1,2-Trichloroethane	5.0	U	5.0	1	NA	7/10/10 02:48		207946	
Trichloroethene	5.0	U	5.0	1	NA	7/10/10 02:48		207946	
Vinyl Chloride	14		5.0	1	NA	7/10/10 02:48		207946	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Energy Solutions	**Service Request:**	R1003586
Project:	Leica Wells July 2010	**Date Collected:**	7/ 2/10 1400
Sample Matrix:	Water	**Date Received:**	7/ 7/10
Sample Name:	MW-25A	**Units:**	µg/L
Lab Code:	R1003586-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
o-Xylene	5.0	U	5.0	1	NA	7/10/10 02:48		207946	
m,p-Xylenes	5.0	U	5.0	1	NA	7/10/10 02:48		207946	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
4-Bromofluorobenzene	99	85-122	7/10/10 02:48		
Toluene-d8	97	87-121	7/10/10 02:48		
Dibromofluoromethane	101	89-119	7/10/10 02:48		

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Energy Solutions	**Service Request:**	R1003586
Project:	Leica Wells July 2010	**Date Collected:**	7/ 2/10 1415
Sample Matrix:	Water	**Date Received:**	7/ 7/10
Sample Name:	MW-26	**Units:**	µg/L
Lab Code:	R1003586-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Acetone	20	U	20	1	NA	7/10/10 03:15		207946	
Benzene	5.0	U	5.0	1	NA	7/10/10 03:15		207946	
Bromodichloromethane	5.0	U	5.0	1	NA	7/10/10 03:15		207946	
Bromoform	5.0	U	5.0	1	NA	7/10/10 03:15		207946	
Bromomethane	5.0	U	5.0	1	NA	7/10/10 03:15		207946	
2-Butanone (MEK)	10	U	10	1	NA	7/10/10 03:15		207946	
Carbon Disulfide	10	U	10	1	NA	7/10/10 03:15		207946	
Carbon Tetrachloride	5.0	U	5.0	1	NA	7/10/10 03:15		207946	
Chlorobenzene	5.0	U	5.0	1	NA	7/10/10 03:15		207946	
Chloroethane	5.0	U	5.0	1	NA	7/10/10 03:15		207946	
Chloroform	5.0	U	5.0	1	NA	7/10/10 03:15		207946	
Chloromethane	5.0	U	5.0	1	NA	7/10/10 03:15		207946	
Dibromochloromethane	5.0	U	5.0	1	NA	7/10/10 03:15		207946	
1,1-Dichloroethane	5.0	U	5.0	1	NA	7/10/10 03:15		207946	
1,2-Dichloroethane	5.0	U	5.0	1	NA	7/10/10 03:15		207946	
1,1-Dichloroethene	5.0	U	5.0	1	NA	7/10/10 03:15		207946	
cis-1,2-Dichloroethene	5.0	U	5.0	1	NA	7/10/10 03:15		207946	
trans-1,2-Dichloroethene	5.0	U	5.0	1	NA	7/10/10 03:15		207946	
1,2-Dichloropropane	5.0	U	5.0	1	NA	7/10/10 03:15		207946	
cis-1,3-Dichloropropene	5.0	U	5.0	1	NA	7/10/10 03:15		207946	
trans-1,3-Dichloropropene	5.0	U	5.0	1	NA	7/10/10 03:15		207946	
Ethylbenzene	5.0	U	5.0	1	NA	7/10/10 03:15		207946	
2-Hexanone	10	U	10	1	NA	7/10/10 03:15		207946	
Methylene Chloride	5.0	U	5.0	1	NA	7/10/10 03:15		207946	
4-Methyl-2-pentanone (MIBK)	10	U	10	1	NA	7/10/10 03:15		207946	
Styrene	5.0	U	5.0	1	NA	7/10/10 03:15		207946	
1,1,2,2-Tetrachloroethane	5.0	U	5.0	1	NA	7/10/10 03:15		207946	
Tetrachloroethene	5.0	U	5.0	1	NA	7/10/10 03:15		207946	
Toluene	5.0	U	5.0	1	NA	7/10/10 03:15		207946	
1,1,1-Trichloroethane	5.0	U	5.0	1	NA	7/10/10 03:15		207946	
1,1,2-Trichloroethane	5.0	U	5.0	1	NA	7/10/10 03:15		207946	
Trichloroethene	5.0	U	5.0	1	NA	7/10/10 03:15		207946	
Vinyl Chloride	5.0	U	5.0	1	NA	7/10/10 03:15		207946	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Energy Solutions	**Service Request:**	R1003586
Project:	Leica Wells July 2010	**Date Collected:**	7/ 2/10 1415
Sample Matrix:	Water	**Date Received:**	7/ 7/10
Sample Name:	MW-26	**Units:**	µg/L
Lab Code:	R1003586-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
o-Xylene	5.0	U	5.0	1	NA	7/10/10 03:15		207946	
m,p-Xylenes	5.0	U	5.0	1	NA	7/10/10 03:15		207946	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
4-Bromofluorobenzene	102	85-122	7/10/10 03:15		
Toluene-d8	99	87-121	7/10/10 03:15		
Dibromofluoromethane	104	89-119	7/10/10 03:15		

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Energy Solutions	**Service Request:**	R1003586
Project:	Leica Wells July 2010	**Date Collected:**	7/ 2/10 1530
Sample Matrix:	Water	**Date Received:**	7/ 7/10
Sample Name:	MW-28	**Units:**	µg/L
Lab Code:	R1003586-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Acetone	20	U	20	1	NA	7/10/10 03:42		207946	
Benzene	5.0	U	5.0	1	NA	7/10/10 03:42		207946	
Bromodichloromethane	5.0	U	5.0	1	NA	7/10/10 03:42		207946	
Bromoform	5.0	U	5.0	1	NA	7/10/10 03:42		207946	
Bromomethane	5.0	U	5.0	1	NA	7/10/10 03:42		207946	
2-Butanone (MEK)	10	U	10	1	NA	7/10/10 03:42		207946	
Carbon Disulfide	10	U	10	1	NA	7/10/10 03:42		207946	
Carbon Tetrachloride	5.0	U	5.0	1	NA	7/10/10 03:42		207946	
Chlorobenzene	5.0	U	5.0	1	NA	7/10/10 03:42		207946	
Chloroethane	5.0	U	5.0	1	NA	7/10/10 03:42		207946	
Chloroform	5.0	U	5.0	1	NA	7/10/10 03:42		207946	
Chloromethane	5.0	U	5.0	1	NA	7/10/10 03:42		207946	
Dibromochloromethane	5.0	U	5.0	1	NA	7/10/10 03:42		207946	
1,1-Dichloroethane	5.0	U	5.0	1	NA	7/10/10 03:42		207946	
1,2-Dichloroethane	5.0	U	5.0	1	NA	7/10/10 03:42		207946	
1,1-Dichloroethene	5.0	U	5.0	1	NA	7/10/10 03:42		207946	
cis-1,2-Dichloroethene	27		5.0	1	NA	7/10/10 03:42		207946	
trans-1,2-Dichloroethene	5.0	U	5.0	1	NA	7/10/10 03:42		207946	
1,2-Dichloropropane	5.0	U	5.0	1	NA	7/10/10 03:42		207946	
cis-1,3-Dichloropropene	5.0	U	5.0	1	NA	7/10/10 03:42		207946	
trans-1,3-Dichloropropene	5.0	U	5.0	1	NA	7/10/10 03:42		207946	
Ethylbenzene	5.0	U	5.0	1	NA	7/10/10 03:42		207946	
2-Hexanone	10	U	10	1	NA	7/10/10 03:42		207946	
Methylene Chloride	5.0	U	5.0	1	NA	7/10/10 03:42		207946	
4-Methyl-2-pentanone (MIBK)	10	U	10	1	NA	7/10/10 03:42		207946	
Styrene	5.0	U	5.0	1	NA	7/10/10 03:42		207946	
1,1,2,2-Tetrachloroethane	5.0	U	5.0	1	NA	7/10/10 03:42		207946	
Tetrachloroethene	5.0	U	5.0	1	NA	7/10/10 03:42		207946	
Toluene	5.0	U	5.0	1	NA	7/10/10 03:42		207946	
1,1,1-Trichloroethane	5.0	U	5.0	1	NA	7/10/10 03:42		207946	
1,1,2-Trichloroethane	5.0	U	5.0	1	NA	7/10/10 03:42		207946	
Trichloroethene	5.0	U	5.0	1	NA	7/10/10 03:42		207946	
Vinyl Chloride	5.0	U	5.0	1	NA	7/10/10 03:42		207946	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Energy Solutions	**Service Request:**	R1003586
Project:	Leica Wells July 2010	**Date Collected:**	7/ 2/10 1530
Sample Matrix:	Water	**Date Received:**	7/ 7/10
Sample Name:	MW-28	**Units:**	µg/L
Lab Code:	R1003586-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
o-Xylene	5.0	U	5.0	1	NA	7/10/10 03:42		207946	
m,p-Xylenes	5.0	U	5.0	1	NA	7/10/10 03:42		207946	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
4-Bromofluorobenzene	101	85-122	7/10/10 03:42		
Toluene-d8	100	87-121	7/10/10 03:42		
Dibromofluoromethane	105	89-119	7/10/10 03:42		

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Energy Solutions	**Service Request:**	R1003586
Project:	Leica Wells July 2010	**Date Collected:**	7/ 3/10 1300
Sample Matrix:	Water	**Date Received:**	7/ 7/10
Sample Name:	MW-29A	**Units:**	µg/L
Lab Code:	R1003586-006	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Acetone	20	U	20	1	NA	7/10/10 04:09		207946	
Benzene	5.0	U	5.0	1	NA	7/10/10 04:09		207946	
Bromodichloromethane	5.0	U	5.0	1	NA	7/10/10 04:09		207946	
Bromoform	5.0	U	5.0	1	NA	7/10/10 04:09		207946	
Bromomethane	5.0	U	5.0	1	NA	7/10/10 04:09		207946	
2-Butanone (MEK)	10	U	10	1	NA	7/10/10 04:09		207946	
Carbon Disulfide	10	U	10	1	NA	7/10/10 04:09		207946	
Carbon Tetrachloride	5.0	U	5.0	1	NA	7/10/10 04:09		207946	
Chlorobenzene	5.0	U	5.0	1	NA	7/10/10 04:09		207946	
Chloroethane	5.0	U	5.0	1	NA	7/10/10 04:09		207946	
Chloroform	9.4		5.0	1	NA	7/10/10 04:09		207946	
Chloromethane	5.0	U	5.0	1	NA	7/10/10 04:09		207946	
Dibromochloromethane	5.0	U	5.0	1	NA	7/10/10 04:09		207946	
1,1-Dichloroethane	5.0	U	5.0	1	NA	7/10/10 04:09		207946	
1,2-Dichloroethane	5.0	U	5.0	1	NA	7/10/10 04:09		207946	
1,1-Dichloroethene	5.0	U	5.0	1	NA	7/10/10 04:09		207946	
cis-1,2-Dichloroethene	5.0	U	5.0	1	NA	7/10/10 04:09		207946	
trans-1,2-Dichloroethene	5.0	U	5.0	1	NA	7/10/10 04:09		207946	
1,2-Dichloropropane	5.0	U	5.0	1	NA	7/10/10 04:09		207946	
cis-1,3-Dichloropropene	5.0	U	5.0	1	NA	7/10/10 04:09		207946	
trans-1,3-Dichloropropene	5.0	U	5.0	1	NA	7/10/10 04:09		207946	
Ethylbenzene	10		5.0	1	NA	7/10/10 04:09		207946	
2-Hexanone	10	U	10	1	NA	7/10/10 04:09		207946	
Methylene Chloride	5.0	U	5.0	1	NA	7/10/10 04:09		207946	
4-Methyl-2-pentanone (MIBK)	10	U	10	1	NA	7/10/10 04:09		207946	
Styrene	5.0	U	5.0	1	NA	7/10/10 04:09		207946	
1,1,2,2-Tetrachloroethane	5.0	U	5.0	1	NA	7/10/10 04:09		207946	
Tetrachloroethene	5.0	U	5.0	1	NA	7/10/10 04:09		207946	
Toluene	5.0	U	5.0	1	NA	7/10/10 04:09		207946	
1,1,1-Trichloroethane	5.0	U	5.0	1	NA	7/10/10 04:09		207946	
1,1,2-Trichloroethane	5.0	U	5.0	1	NA	7/10/10 04:09		207946	
Trichloroethene	5.0	U	5.0	1	NA	7/10/10 04:09		207946	
Vinyl Chloride	5.0	U	5.0	1	NA	7/10/10 04:09		207946	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Energy Solutions	**Service Request:**	R1003586
Project:	Leica Wells July 2010	**Date Collected:**	7/ 3/10 1300
Sample Matrix:	Water	**Date Received:**	7/ 7/10
Sample Name:	MW-29A	**Units:**	µg/L
Lab Code:	R1003586-006	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
o-Xylene	19		5.0	1	NA	7/10/10 04:09		207946	
m,p-Xylenes	16		5.0	1	NA	7/10/10 04:09		207946	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
4-Bromofluorobenzene	105	85-122	7/10/10 04:09		
Toluene-d8	102	87-121	7/10/10 04:09		
Dibromofluoromethane	106	89-119	7/10/10 04:09		

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Energy Solutions	**Service Request:**	R1003586
Project:	Leica Wells July 2010	**Date Collected:**	7/ 3/10 1315
Sample Matrix:	Water	**Date Received:**	7/ 7/10
Sample Name:	MW-28A	**Units:**	µg/L
Lab Code:	R1003586-007	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Acetone	20	U	20	1	NA	7/10/10 04:36		207946	
Benzene	5.0	U	5.0	1	NA	7/10/10 04:36		207946	
Bromodichloromethane	5.0	U	5.0	1	NA	7/10/10 04:36		207946	
Bromoform	5.0	U	5.0	1	NA	7/10/10 04:36		207946	
Bromomethane	5.0	U	5.0	1	NA	7/10/10 04:36		207946	
2-Butanone (MEK)	10	U	10	1	NA	7/10/10 04:36		207946	
Carbon Disulfide	10	U	10	1	NA	7/10/10 04:36		207946	
Carbon Tetrachloride	5.0	U	5.0	1	NA	7/10/10 04:36		207946	
Chlorobenzene	5.0	U	5.0	1	NA	7/10/10 04:36		207946	
Chloroethane	5.0	U	5.0	1	NA	7/10/10 04:36		207946	
Chloroform	7.6		5.0	1	NA	7/10/10 04:36		207946	
Chloromethane	5.0	U	5.0	1	NA	7/10/10 04:36		207946	
Dibromochloromethane	5.0	U	5.0	1	NA	7/10/10 04:36		207946	
1,1-Dichloroethane	5.0	U	5.0	1	NA	7/10/10 04:36		207946	
1,2-Dichloroethane	5.0	U	5.0	1	NA	7/10/10 04:36		207946	
1,1-Dichloroethene	5.0	U	5.0	1	NA	7/10/10 04:36		207946	
cis-1,2-Dichloroethene	5.0	U	5.0	1	NA	7/10/10 04:36		207946	
trans-1,2-Dichloroethene	5.0	U	5.0	1	NA	7/10/10 04:36		207946	
1,2-Dichloropropane	5.0	U	5.0	1	NA	7/10/10 04:36		207946	
cis-1,3-Dichloropropene	5.0	U	5.0	1	NA	7/10/10 04:36		207946	
trans-1,3-Dichloropropene	5.0	U	5.0	1	NA	7/10/10 04:36		207946	
Ethylbenzene	5.0	U	5.0	1	NA	7/10/10 04:36		207946	
2-Hexanone	10	U	10	1	NA	7/10/10 04:36		207946	
Methylene Chloride	5.0	U	5.0	1	NA	7/10/10 04:36		207946	
4-Methyl-2-pentanone (MIBK)	10	U	10	1	NA	7/10/10 04:36		207946	
Styrene	5.0	U	5.0	1	NA	7/10/10 04:36		207946	
1,1,2,2-Tetrachloroethane	5.0	U	5.0	1	NA	7/10/10 04:36		207946	
Tetrachloroethene	5.0	U	5.0	1	NA	7/10/10 04:36		207946	
Toluene	5.0	U	5.0	1	NA	7/10/10 04:36		207946	
1,1,1-Trichloroethane	5.0	U	5.0	1	NA	7/10/10 04:36		207946	
1,1,2-Trichloroethane	5.0	U	5.0	1	NA	7/10/10 04:36		207946	
Trichloroethene	5.0	U	5.0	1	NA	7/10/10 04:36		207946	
Vinyl Chloride	5.0	U	5.0	1	NA	7/10/10 04:36		207946	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Energy Solutions	**Service Request:**	R1003586
Project:	Leica Wells July 2010	**Date Collected:**	7/ 3/10 1315
Sample Matrix:	Water	**Date Received:**	7/ 7/10
Sample Name:	MW-28A	**Units:**	µg/L
Lab Code:	R1003586-007	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
o-Xylene	5.0	U	5.0	1	NA	7/10/10 04:36		207946	
m,p-Xylenes	5.0	U	5.0	1	NA	7/10/10 04:36		207946	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
4-Bromofluorobenzene	100	85-122	7/10/10 04:36		
Toluene-d8	98	87-121	7/10/10 04:36		
Dibromofluoromethane	101	89-119	7/10/10 04:36		

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Energy Solutions	**Service Request:**	R1003586
Project:	Leica Wells July 2010	**Date Collected:**	7/ 3/10 1330
Sample Matrix:	Water	**Date Received:**	7/ 7/10
Sample Name:	MW-26A	**Units:**	µg/L
Lab Code:	R1003586-008	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Acetone	20	U	20	1	NA	7/10/10 05:03		207946	
Benzene	5.0	U	5.0	1	NA	7/10/10 05:03		207946	
Bromodichloromethane	5.0	U	5.0	1	NA	7/10/10 05:03		207946	
Bromoform	5.0	U	5.0	1	NA	7/10/10 05:03		207946	
Bromomethane	5.0	U	5.0	1	NA	7/10/10 05:03		207946	
2-Butanone (MEK)	10	U	10	1	NA	7/10/10 05:03		207946	
Carbon Disulfide	10	U	10	1	NA	7/10/10 05:03		207946	
Carbon Tetrachloride	5.0	U	5.0	1	NA	7/10/10 05:03		207946	
Chlorobenzene	5.0	U	5.0	1	NA	7/10/10 05:03		207946	
Chloroethane	5.0	U	5.0	1	NA	7/10/10 05:03		207946	
Chloroform	5.0	U	5.0	1	NA	7/10/10 05:03		207946	
Chloromethane	5.0	U	5.0	1	NA	7/10/10 05:03		207946	
Dibromochloromethane	5.0	U	5.0	1	NA	7/10/10 05:03		207946	
1,1-Dichloroethane	5.0	U	5.0	1	NA	7/10/10 05:03		207946	
1,2-Dichloroethane	5.0	U	5.0	1	NA	7/10/10 05:03		207946	
1,1-Dichloroethene	5.0	U	5.0	1	NA	7/10/10 05:03		207946	
cis-1,2-Dichloroethene	**710**	E	5.0	1	NA	7/10/10 05:03		207946	
trans-1,2-Dichloroethene	**7.1**		5.0	1	NA	7/10/10 05:03		207946	
1,2-Dichloropropane	5.0	U	5.0	1	NA	7/10/10 05:03		207946	
cis-1,3-Dichloropropene	5.0	U	5.0	1	NA	7/10/10 05:03		207946	
trans-1,3-Dichloropropene	5.0	U	5.0	1	NA	7/10/10 05:03		207946	
Ethylbenzene	5.0	U	5.0	1	NA	7/10/10 05:03		207946	
2-Hexanone	10	U	10	1	NA	7/10/10 05:03		207946	
Methylene Chloride	5.0	U	5.0	1	NA	7/10/10 05:03		207946	
4-Methyl-2-pentanone (MIBK)	10	U	10	1	NA	7/10/10 05:03		207946	
Styrene	5.0	U	5.0	1	NA	7/10/10 05:03		207946	
1,1,2,2-Tetrachloroethane	5.0	U	5.0	1	NA	7/10/10 05:03		207946	
Tetrachloroethene	5.0	U	5.0	1	NA	7/10/10 05:03		207946	
Toluene	5.0	U	5.0	1	NA	7/10/10 05:03		207946	
1,1,1-Trichloroethane	5.0	U	5.0	1	NA	7/10/10 05:03		207946	
1,1,2-Trichloroethane	5.0	U	5.0	1	NA	7/10/10 05:03		207946	
Trichloroethene	5.0	U	5.0	1	NA	7/10/10 05:03		207946	
Vinyl Chloride	**590**	E	5.0	1	NA	7/10/10 05:03		207946	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Energy Solutions	**Service Request:**	R1003586
Project:	Leica Wells July 2010	**Date Collected:**	7/ 3/10 1330
Sample Matrix:	Water	**Date Received:**	7/ 7/10
Sample Name:	MW-26A	**Units:**	µg/L
Lab Code:	R1003586-008	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
o-Xylene	5.0	U	5.0	1	NA	7/10/10 05:03		207946	
m,p-Xylenes	5.0	U	5.0	1	NA	7/10/10 05:03		207946	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
4-Bromofluorobenzene	102	85-122	7/10/10 05:03		
Toluene-d8	100	87-121	7/10/10 05:03		
Dibromofluoromethane	103	89-119	7/10/10 05:03		

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Energy Solutions	**Service Request:**	R1003586
Project:	Leica Wells July 2010	**Date Collected:**	7/ 3/10 1330
Sample Matrix:	Water	**Date Received:**	7/ 7/10
Sample Name:	MW-26A	**Units:**	µg/L
Lab Code:	R1003586-008	**Basis:**	NA
Run Type:	Dilution		

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Acetone	100	U	100	5	NA	7/13/10 14:29		208268	
Benzene	25	U	25	5	NA	7/13/10 14:29		208268	
Bromodichloromethane	25	U	25	5	NA	7/13/10 14:29		208268	
Bromoform	25	U	25	5	NA	7/13/10 14:29		208268	
Bromomethane	25	U	25	5	NA	7/13/10 14:29		208268	
2-Butanone (MEK)	50	U	50	5	NA	7/13/10 14:29		208268	
Carbon Disulfide	50	U	50	5	NA	7/13/10 14:29		208268	
Carbon Tetrachloride	25	U	25	5	NA	7/13/10 14:29		208268	
Chlorobenzene	25	U	25	5	NA	7/13/10 14:29		208268	
Chloroethane	25	U	25	5	NA	7/13/10 14:29		208268	
Chloroform	25	U	25	5	NA	7/13/10 14:29		208268	
Chloromethane	25	U	25	5	NA	7/13/10 14:29		208268	
Dibromochloromethane	25	U	25	5	NA	7/13/10 14:29		208268	
1,1-Dichloroethane	25	U	25	5	NA	7/13/10 14:29		208268	
1,2-Dichloroethane	25	U	25	5	NA	7/13/10 14:29		208268	
1,1-Dichloroethene	25	U	25	5	NA	7/13/10 14:29		208268	
cis-1,2-Dichloroethene	**680**	D	25	5	NA	7/13/10 14:29		208268	
trans-1,2-Dichloroethene	25	U	25	5	NA	7/13/10 14:29		208268	
1,2-Dichloropropane	25	U	25	5	NA	7/13/10 14:29		208268	
cis-1,3-Dichloropropene	25	U	25	5	NA	7/13/10 14:29		208268	
trans-1,3-Dichloropropene	25	U	25	5	NA	7/13/10 14:29		208268	
Ethylbenzene	25	U	25	5	NA	7/13/10 14:29		208268	
2-Hexanone	50	U	50	5	NA	7/13/10 14:29		208268	
Methylene Chloride	25	U	25	5	NA	7/13/10 14:29		208268	
4-Methyl-2-pentanone (MIBK)	50	U	50	5	NA	7/13/10 14:29		208268	
Styrene	25	U	25	5	NA	7/13/10 14:29		208268	
1,1,2,2-Tetrachloroethane	25	U	25	5	NA	7/13/10 14:29		208268	
Tetrachloroethene	25	U	25	5	NA	7/13/10 14:29		208268	
Toluene	25	U	25	5	NA	7/13/10 14:29		208268	
1,1,1-Trichloroethane	25	U	25	5	NA	7/13/10 14:29		208268	
1,1,2-Trichloroethane	25	U	25	5	NA	7/13/10 14:29		208268	
Trichloroethene	25	U	25	5	NA	7/13/10 14:29		208268	
Vinyl Chloride	**590**	D	25	5	NA	7/13/10 14:29		208268	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Energy Solutions	**Service Request:**	R1003586
Project:	Leica Wells July 2010	**Date Collected:**	7/ 3/10 1330
Sample Matrix:	Water	**Date Received:**	7/ 7/10
Sample Name:	MW-26A	**Units:**	µg/L
Lab Code:	R1003586-008	**Basis:**	NA
Run Type:	Dilution		

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
o-Xylene	25	U	25	5	NA	7/13/10 14:29		208268	
m,p-Xylenes	25	U	25	5	NA	7/13/10 14:29		208268	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
4-Bromofluorobenzene	101	85-122	7/13/10 14:29		
Toluene-d8	96	87-121	7/13/10 14:29		
Dibromofluoromethane	105	89-119	7/13/10 14:29		

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Energy Solutions	**Service Request:**	R1003586
Project:	Leica Wells July 2010	**Date Collected:**	7/ 3/10 1430
Sample Matrix:	Water	**Date Received:**	7/ 7/10
Sample Name:	MW-27A	**Units:**	µg/L
Lab Code:	R1003586-009	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Acetone	20	U	20	1	NA	7/10/10 05:30		207946	
Benzene	5.0	U	5.0	1	NA	7/10/10 05:30		207946	
Bromodichloromethane	5.0	U	5.0	1	NA	7/10/10 05:30		207946	
Bromoform	5.0	U	5.0	1	NA	7/10/10 05:30		207946	
Bromomethane	5.0	U	5.0	1	NA	7/10/10 05:30		207946	
2-Butanone (MEK)	10	U	10	1	NA	7/10/10 05:30		207946	
Carbon Disulfide	10	U	10	1	NA	7/10/10 05:30		207946	
Carbon Tetrachloride	5.0	U	5.0	1	NA	7/10/10 05:30		207946	
Chlorobenzene	5.0	U	5.0	1	NA	7/10/10 05:30		207946	
Chloroethane	5.0	U	5.0	1	NA	7/10/10 05:30		207946	
Chloroform	7.7		5.0	1	NA	7/10/10 05:30		207946	
Chloromethane	5.0	U	5.0	1	NA	7/10/10 05:30		207946	
Dibromochloromethane	5.0	U	5.0	1	NA	7/10/10 05:30		207946	
1,1-Dichloroethane	5.0	U	5.0	1	NA	7/10/10 05:30		207946	
1,2-Dichloroethane	5.0	U	5.0	1	NA	7/10/10 05:30		207946	
1,1-Dichloroethene	5.0	U	5.0	1	NA	7/10/10 05:30		207946	
cis-1,2-Dichloroethene	5.0	U	5.0	1	NA	7/10/10 05:30		207946	
trans-1,2-Dichloroethene	5.0	U	5.0	1	NA	7/10/10 05:30		207946	
1,2-Dichloropropane	5.0	U	5.0	1	NA	7/10/10 05:30		207946	
cis-1,3-Dichloropropene	5.0	U	5.0	1	NA	7/10/10 05:30		207946	
trans-1,3-Dichloropropene	5.0	U	5.0	1	NA	7/10/10 05:30		207946	
Ethylbenzene	5.0	U	5.0	1	NA	7/10/10 05:30		207946	
2-Hexanone	10	U	10	1	NA	7/10/10 05:30		207946	
Methylene Chloride	5.0	U	5.0	1	NA	7/10/10 05:30		207946	
4-Methyl-2-pentanone (MIBK)	10	U	10	1	NA	7/10/10 05:30		207946	
Styrene	5.0	U	5.0	1	NA	7/10/10 05:30		207946	
1,1,2,2-Tetrachloroethane	5.0	U	5.0	1	NA	7/10/10 05:30		207946	
Tetrachloroethene	5.0	U	5.0	1	NA	7/10/10 05:30		207946	
Toluene	5.0	U	5.0	1	NA	7/10/10 05:30		207946	
1,1,1-Trichloroethane	5.0	U	5.0	1	NA	7/10/10 05:30		207946	
1,1,2-Trichloroethane	5.0	U	5.0	1	NA	7/10/10 05:30		207946	
Trichloroethene	5.0	U	5.0	1	NA	7/10/10 05:30		207946	
Vinyl Chloride	5.0	U	5.0	1	NA	7/10/10 05:30		207946	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Energy Solutions	**Service Request:**	R1003586
Project:	Leica Wells July 2010	**Date Collected:**	7/ 3/10 1430
Sample Matrix:	Water	**Date Received:**	7/ 7/10
Sample Name:	MW-27A	**Units:**	µg/L
Lab Code:	R1003586-009	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
o-Xylene	5.0	U	5.0	1	NA	7/10/10 05:30		207946	
m,p-Xylenes	5.0	U	5.0	1	NA	7/10/10 05:30		207946	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
4-Bromofluorobenzene	103	85-122	7/10/10 05:30		
Toluene-d8	100	87-121	7/10/10 05:30		
Dibromofluoromethane	102	89-119	7/10/10 05:30		

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Energy Solutions	**Service Request:**	R1003586
Project:	Leica Wells July 2010	**Date Collected:**	7/ 3/10 1445
Sample Matrix:	Water	**Date Received:**	7/ 7/10
Sample Name:	MW-22A	**Units:**	µg/L
Lab Code:	R1003586-010	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Acetone	20	U	20	1	NA	7/10/10 05:57		207946	
Benzene	5.0	U	5.0	1	NA	7/10/10 05:57		207946	
Bromodichloromethane	5.0	U	5.0	1	NA	7/10/10 05:57		207946	
Bromoform	5.0	U	5.0	1	NA	7/10/10 05:57		207946	
Bromomethane	5.0	U	5.0	1	NA	7/10/10 05:57		207946	
2-Butanone (MEK)	10	U	10	1	NA	7/10/10 05:57		207946	
Carbon Disulfide	10	U	10	1	NA	7/10/10 05:57		207946	
Carbon Tetrachloride	5.0	U	5.0	1	NA	7/10/10 05:57		207946	
Chlorobenzene	5.0	U	5.0	1	NA	7/10/10 05:57		207946	
Chloroethane	5.0	U	5.0	1	NA	7/10/10 05:57		207946	
Chloroform	5.0	U	5.0	1	NA	7/10/10 05:57		207946	
Chloromethane	5.0	U	5.0	1	NA	7/10/10 05:57		207946	
Dibromochloromethane	5.0	U	5.0	1	NA	7/10/10 05:57		207946	
1,1-Dichloroethane	5.0	U	5.0	1	NA	7/10/10 05:57		207946	
1,2-Dichloroethane	5.0	U	5.0	1	NA	7/10/10 05:57		207946	
1,1-Dichloroethene	5.0	U	5.0	1	NA	7/10/10 05:57		207946	
cis-1,2-Dichloroethene	5.0	U	5.0	1	NA	7/10/10 05:57		207946	
trans-1,2-Dichloroethene	5.0	U	5.0	1	NA	7/10/10 05:57		207946	
1,2-Dichloropropane	5.0	U	5.0	1	NA	7/10/10 05:57		207946	
cis-1,3-Dichloropropene	5.0	U	5.0	1	NA	7/10/10 05:57		207946	
trans-1,3-Dichloropropene	5.0	U	5.0	1	NA	7/10/10 05:57		207946	
Ethylbenzene	5.0	U	5.0	1	NA	7/10/10 05:57		207946	
2-Hexanone	10	U	10	1	NA	7/10/10 05:57		207946	
Methylene Chloride	5.0	U	5.0	1	NA	7/10/10 05:57		207946	
4-Methyl-2-pentanone (MIBK)	10	U	10	1	NA	7/10/10 05:57		207946	
Styrene	5.0	U	5.0	1	NA	7/10/10 05:57		207946	
1,1,2,2-Tetrachloroethane	5.0	U	5.0	1	NA	7/10/10 05:57		207946	
Tetrachloroethene	5.0	U	5.0	1	NA	7/10/10 05:57		207946	
Toluene	5.0	U	5.0	1	NA	7/10/10 05:57		207946	
1,1,1-Trichloroethane	5.0	U	5.0	1	NA	7/10/10 05:57		207946	
1,1,2-Trichloroethane	5.0	U	5.0	1	NA	7/10/10 05:57		207946	
Trichloroethene	5.0	U	5.0	1	NA	7/10/10 05:57		207946	
Vinyl Chloride	5.0	U	5.0	1	NA	7/10/10 05:57		207946	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Energy Solutions	**Service Request:**	R1003586
Project:	Leica Wells July 2010	**Date Collected:**	7/ 3/10 1445
Sample Matrix:	Water	**Date Received:**	7/ 7/10
Sample Name:	MW-22A	**Units:**	µg/L
Lab Code:	R1003586-010	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
o-Xylene	5.0	U	5.0	1	NA	7/10/10 05:57		207946	
m,p-Xylenes	5.0	U	5.0	1	NA	7/10/10 05:57		207946	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
4-Bromofluorobenzene	99	85-122	7/10/10 05:57		
Toluene-d8	98	87-121	7/10/10 05:57		
Dibromofluoromethane	100	89-119	7/10/10 05:57		

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Energy Solutions	**Service Request:**	R1003586
Project:	Leica Wells July 2010	**Date Collected:**	7/ 3/10 1455
Sample Matrix:	Water	**Date Received:**	7/ 7/10
Sample Name:	MW-22	**Units:**	µg/L
Lab Code:	R1003586-011	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Acetone	20	U	20	1	NA	7/10/10 06:24		207946	
Benzene	5.0	U	5.0	1	NA	7/10/10 06:24		207946	
Bromodichloromethane	5.0	U	5.0	1	NA	7/10/10 06:24		207946	
Bromoform	5.0	U	5.0	1	NA	7/10/10 06:24		207946	
Bromomethane	5.0	U	5.0	1	NA	7/10/10 06:24		207946	
2-Butanone (MEK)	10	U	10	1	NA	7/10/10 06:24		207946	
Carbon Disulfide	10	U	10	1	NA	7/10/10 06:24		207946	
Carbon Tetrachloride	5.0	U	5.0	1	NA	7/10/10 06:24		207946	
Chlorobenzene	5.0	U	5.0	1	NA	7/10/10 06:24		207946	
Chloroethane	5.0	U	5.0	1	NA	7/10/10 06:24		207946	
Chloroform	5.0	U	5.0	1	NA	7/10/10 06:24		207946	
Chloromethane	5.0	U	5.0	1	NA	7/10/10 06:24		207946	
Dibromochloromethane	5.0	U	5.0	1	NA	7/10/10 06:24		207946	
1,1-Dichloroethane	5.0	U	5.0	1	NA	7/10/10 06:24		207946	
1,2-Dichloroethane	5.0	U	5.0	1	NA	7/10/10 06:24		207946	
1,1-Dichloroethene	5.0	U	5.0	1	NA	7/10/10 06:24		207946	
cis-1,2-Dichloroethene	5.0	U	5.0	1	NA	7/10/10 06:24		207946	
trans-1,2-Dichloroethene	5.0	U	5.0	1	NA	7/10/10 06:24		207946	
1,2-Dichloropropane	5.0	U	5.0	1	NA	7/10/10 06:24		207946	
cis-1,3-Dichloropropene	5.0	U	5.0	1	NA	7/10/10 06:24		207946	
trans-1,3-Dichloropropene	5.0	U	5.0	1	NA	7/10/10 06:24		207946	
Ethylbenzene	5.0	U	5.0	1	NA	7/10/10 06:24		207946	
2-Hexanone	10	U	10	1	NA	7/10/10 06:24		207946	
Methylene Chloride	5.0	U	5.0	1	NA	7/10/10 06:24		207946	
4-Methyl-2-pentanone (MIBK)	10	U	10	1	NA	7/10/10 06:24		207946	
Styrene	5.0	U	5.0	1	NA	7/10/10 06:24		207946	
1,1,2,2-Tetrachloroethane	5.0	U	5.0	1	NA	7/10/10 06:24		207946	
Tetrachloroethene	5.0	U	5.0	1	NA	7/10/10 06:24		207946	
Toluene	5.0	U	5.0	1	NA	7/10/10 06:24		207946	
1,1,1-Trichloroethane	5.0	U	5.0	1	NA	7/10/10 06:24		207946	
1,1,2-Trichloroethane	5.0	U	5.0	1	NA	7/10/10 06:24		207946	
Trichloroethene	5.0	U	5.0	1	NA	7/10/10 06:24		207946	
Vinyl Chloride	5.0	U	5.0	1	NA	7/10/10 06:24		207946	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Energy Solutions	**Service Request:**	R1003586
Project:	Leica Wells July 2010	**Date Collected:**	7/ 3/10 1455
Sample Matrix:	Water	**Date Received:**	7/ 7/10
Sample Name:	MW-22	**Units:**	µg/L
Lab Code:	R1003586-011	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
o-Xylene	5.0	U	5.0	1	NA	7/10/10 06:24		207946	
m,p-Xylenes	5.0	U	5.0	1	NA	7/10/10 06:24		207946	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
4-Bromofluorobenzene	102	85-122	7/10/10 06:24		
Toluene-d8	100	87-121	7/10/10 06:24		
Dibromofluoromethane	102	89-119	7/10/10 06:24		

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Energy Solutions	**Service Request:**	R1003586
Project:	Leica Wells July 2010	**Date Collected:**	7/ 3/10 1530
Sample Matrix:	Water	**Date Received:**	7/ 7/10
Sample Name:	MW-18A	**Units:**	µg/L
Lab Code:	R1003586-012	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Acetone	20	U	20	1	NA	7/10/10 06:51		207946	
Benzene	5.0	U	5.0	1	NA	7/10/10 06:51		207946	
Bromodichloromethane	5.0	U	5.0	1	NA	7/10/10 06:51		207946	
Bromoform	5.0	U	5.0	1	NA	7/10/10 06:51		207946	
Bromomethane	5.0	U	5.0	1	NA	7/10/10 06:51		207946	
2-Butanone (MEK)	10	U	10	1	NA	7/10/10 06:51		207946	
Carbon Disulfide	10	U	10	1	NA	7/10/10 06:51		207946	
Carbon Tetrachloride	5.0	U	5.0	1	NA	7/10/10 06:51		207946	
Chlorobenzene	5.0	U	5.0	1	NA	7/10/10 06:51		207946	
Chloroethane	5.0	U	5.0	1	NA	7/10/10 06:51		207946	
Chloroform	5.0	U	5.0	1	NA	7/10/10 06:51		207946	
Chloromethane	5.0	U	5.0	1	NA	7/10/10 06:51		207946	
Dibromochloromethane	5.0	U	5.0	1	NA	7/10/10 06:51		207946	
1,1-Dichloroethane	5.0	U	5.0	1	NA	7/10/10 06:51		207946	
1,2-Dichloroethane	5.0	U	5.0	1	NA	7/10/10 06:51		207946	
1,1-Dichloroethene	5.0	U	5.0	1	NA	7/10/10 06:51		207946	
cis-1,2-Dichloroethene	**140**		5.0	1	NA	7/10/10 06:51		207946	
trans-1,2-Dichloroethene	5.0	U	5.0	1	NA	7/10/10 06:51		207946	
1,2-Dichloropropane	5.0	U	5.0	1	NA	7/10/10 06:51		207946	
cis-1,3-Dichloropropene	5.0	U	5.0	1	NA	7/10/10 06:51		207946	
trans-1,3-Dichloropropene	5.0	U	5.0	1	NA	7/10/10 06:51		207946	
Ethylbenzene	5.0	U	5.0	1	NA	7/10/10 06:51		207946	
2-Hexanone	10	U	10	1	NA	7/10/10 06:51		207946	
Methylene Chloride	5.0	U	5.0	1	NA	7/10/10 06:51		207946	
4-Methyl-2-pentanone (MIBK)	10	U	10	1	NA	7/10/10 06:51		207946	
Styrene	5.0	U	5.0	1	NA	7/10/10 06:51		207946	
1,1,2,2-Tetrachloroethane	5.0	U	5.0	1	NA	7/10/10 06:51		207946	
Tetrachloroethene	5.0	U	5.0	1	NA	7/10/10 06:51		207946	
Toluene	5.0	U	5.0	1	NA	7/10/10 06:51		207946	
1,1,1-Trichloroethane	5.0	U	5.0	1	NA	7/10/10 06:51		207946	
1,1,2-Trichloroethane	5.0	U	5.0	1	NA	7/10/10 06:51		207946	
Trichloroethene	**83**		5.0	1	NA	7/10/10 06:51		207946	
Vinyl Chloride	**21**		5.0	1	NA	7/10/10 06:51		207946	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Energy Solutions	**Service Request:**	R1003586
Project:	Leica Wells July 2010	**Date Collected:**	7/ 3/10 1530
Sample Matrix:	Water	**Date Received:**	7/ 7/10
Sample Name:	MW-18A	**Units:**	µg/L
Lab Code:	R1003586-012	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
o-Xylene	5.0	U	5.0	1	NA	7/10/10 06:51		207946	
m,p-Xylenes	5.0	U	5.0	1	NA	7/10/10 06:51		207946	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
4-Bromofluorobenzene	103	85-122	7/10/10 06:51		
Toluene-d8	102	87-121	7/10/10 06:51		
Dibromofluoromethane	106	89-119	7/10/10 06:51		

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Energy Solutions	**Service Request:**	R1003586
Project:	Leica Wells July 2010	**Date Collected:**	7/ 3/10 1600
Sample Matrix:	Water	**Date Received:**	7/ 7/10
Sample Name:	MW-18	**Units:**	µg/L
Lab Code:	R1003586-013	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Acetone	20	U	20	1	NA	7/13/10 14:56		208268	
Benzene	5.0	U	5.0	1	NA	7/13/10 14:56		208268	
Bromodichloromethane	5.0	U	5.0	1	NA	7/13/10 14:56		208268	
Bromoform	5.0	U	5.0	1	NA	7/13/10 14:56		208268	
Bromomethane	5.0	U	5.0	1	NA	7/13/10 14:56		208268	
2-Butanone (MEK)	10	U	10	1	NA	7/13/10 14:56		208268	
Carbon Disulfide	10	U	10	1	NA	7/13/10 14:56		208268	
Carbon Tetrachloride	5.0	U	5.0	1	NA	7/13/10 14:56		208268	
Chlorobenzene	5.0	U	5.0	1	NA	7/13/10 14:56		208268	
Chloroethane	5.0	U	5.0	1	NA	7/13/10 14:56		208268	
Chloroform	5.0	U	5.0	1	NA	7/13/10 14:56		208268	
Chloromethane	5.0	U	5.0	1	NA	7/13/10 14:56		208268	
Dibromochloromethane	5.0	U	5.0	1	NA	7/13/10 14:56		208268	
1,1-Dichloroethane	5.0	U	5.0	1	NA	7/13/10 14:56		208268	
1,2-Dichloroethane	5.0	U	5.0	1	NA	7/13/10 14:56		208268	
1,1-Dichloroethene	5.0	U	5.0	1	NA	7/13/10 14:56		208268	
cis-1,2-Dichloroethene	5.0	U	5.0	1	NA	7/13/10 14:56		208268	
trans-1,2-Dichloroethene	5.0	U	5.0	1	NA	7/13/10 14:56		208268	
1,2-Dichloropropane	5.0	U	5.0	1	NA	7/13/10 14:56		208268	
cis-1,3-Dichloropropene	5.0	U	5.0	1	NA	7/13/10 14:56		208268	
trans-1,3-Dichloropropene	5.0	U	5.0	1	NA	7/13/10 14:56		208268	
Ethylbenzene	5.0	U	5.0	1	NA	7/13/10 14:56		208268	
2-Hexanone	10	U	10	1	NA	7/13/10 14:56		208268	
Methylene Chloride	5.0	U	5.0	1	NA	7/13/10 14:56		208268	
4-Methyl-2-pentanone (MIBK)	10	U	10	1	NA	7/13/10 14:56		208268	
Styrene	5.0	U	5.0	1	NA	7/13/10 14:56		208268	
1,1,2,2-Tetrachloroethane	5.0	U	5.0	1	NA	7/13/10 14:56		208268	
Tetrachloroethene	5.0	U	5.0	1	NA	7/13/10 14:56		208268	
Toluene	5.0	U	5.0	1	NA	7/13/10 14:56		208268	
1,1,1-Trichloroethane	5.0	U	5.0	1	NA	7/13/10 14:56		208268	
1,1,2-Trichloroethane	5.0	U	5.0	1	NA	7/13/10 14:56		208268	
Trichloroethene	5.0	U	5.0	1	NA	7/13/10 14:56		208268	
Vinyl Chloride	5.0	U	5.0	1	NA	7/13/10 14:56		208268	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Energy Solutions	**Service Request:**	R1003586
Project:	Leica Wells July 2010	**Date Collected:**	7/ 3/10 1600
Sample Matrix:	Water	**Date Received:**	7/ 7/10
Sample Name:	MW-18	**Units:**	µg/L
Lab Code:	R1003586-013	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
o-Xylene	5.0	U	5.0	1	NA	7/13/10 14:56		208268	
m,p-Xylenes	5.0	U	5.0	1	NA	7/13/10 14:56		208268	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
4-Bromofluorobenzene	102	85-122	7/13/10 14:56		
Toluene-d8	97	87-121	7/13/10 14:56		
Dibromofluoromethane	107	89-119	7/13/10 14:56		

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Energy Solutions	**Service Request:**	R1003586
Project:	Leica Wells July 2010	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	µg/L
Lab Code:	RQ1005565-01	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Acetone	20	U	20	1	NA	7/9/10 23:37		207946	
Benzene	5.0	U	5.0	1	NA	7/9/10 23:37		207946	
Bromodichloromethane	5.0	U	5.0	1	NA	7/9/10 23:37		207946	
Bromoform	5.0	U	5.0	1	NA	7/9/10 23:37		207946	
Bromomethane	5.0	U	5.0	1	NA	7/9/10 23:37		207946	
2-Butanone (MEK)	10	U	10	1	NA	7/9/10 23:37		207946	
Carbon Disulfide	10	U	10	1	NA	7/9/10 23:37		207946	
Carbon Tetrachloride	5.0	U	5.0	1	NA	7/9/10 23:37		207946	
Chlorobenzene	5.0	U	5.0	1	NA	7/9/10 23:37		207946	
Chloroethane	5.0	U	5.0	1	NA	7/9/10 23:37		207946	
Chloroform	5.0	U	5.0	1	NA	7/9/10 23:37		207946	
Chloromethane	5.0	U	5.0	1	NA	7/9/10 23:37		207946	
Dibromochloromethane	5.0	U	5.0	1	NA	7/9/10 23:37		207946	
1,1-Dichloroethane	5.0	U	5.0	1	NA	7/9/10 23:37		207946	
1,2-Dichloroethane	5.0	U	5.0	1	NA	7/9/10 23:37		207946	
1,1-Dichloroethene	5.0	U	5.0	1	NA	7/9/10 23:37		207946	
cis-1,2-Dichloroethene	5.0	U	5.0	1	NA	7/9/10 23:37		207946	
trans-1,2-Dichloroethene	5.0	U	5.0	1	NA	7/9/10 23:37		207946	
1,2-Dichloropropane	5.0	U	5.0	1	NA	7/9/10 23:37		207946	
cis-1,3-Dichloropropene	5.0	U	5.0	1	NA	7/9/10 23:37		207946	
trans-1,3-Dichloropropene	5.0	U	5.0	1	NA	7/9/10 23:37		207946	
Ethylbenzene	5.0	U	5.0	1	NA	7/9/10 23:37		207946	
2-Hexanone	10	U	10	1	NA	7/9/10 23:37		207946	
Methylene Chloride	5.0	U	5.0	1	NA	7/9/10 23:37		207946	
4-Methyl-2-pentanone (MIBK)	10	U	10	1	NA	7/9/10 23:37		207946	
Styrene	5.0	U	5.0	1	NA	7/9/10 23:37		207946	
1,1,2,2-Tetrachloroethane	5.0	U	5.0	1	NA	7/9/10 23:37		207946	
Tetrachloroethene	5.0	U	5.0	1	NA	7/9/10 23:37		207946	
Toluene	5.0	U	5.0	1	NA	7/9/10 23:37		207946	
1,1,1-Trichloroethane	5.0	U	5.0	1	NA	7/9/10 23:37		207946	
1,1,2-Trichloroethane	5.0	U	5.0	1	NA	7/9/10 23:37		207946	
Trichloroethene	5.0	U	5.0	1	NA	7/9/10 23:37		207946	
Vinyl Chloride	5.0	U	5.0	1	NA	7/9/10 23:37		207946	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Energy Solutions	**Service Request:**	R1003586
Project:	Leica Wells July 2010	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	µg/L
Lab Code:	RQ1005565-01	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
o-Xylene	5.0	U	5.0	1	NA	7/9/10 23:37		207946	
m,p-Xylenes	5.0	U	5.0	1	NA	7/9/10 23:37		207946	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
4-Bromofluorobenzene	103	85-122	7/9/10 23:37		
Toluene-d8	102	87-121	7/9/10 23:37		
Dibromofluoromethane	106	89-119	7/9/10 23:37		

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Energy Solutions	**Service Request:**	R1003586
Project:	Leica Wells July 2010	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	µg/L
Lab Code:	RQ1005638-01	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Acetone	20	U	20	1	NA	7/13/10 12:40		208268	
Benzene	5.0	U	5.0	1	NA	7/13/10 12:40		208268	
Bromodichloromethane	5.0	U	5.0	1	NA	7/13/10 12:40		208268	
Bromoform	5.0	U	5.0	1	NA	7/13/10 12:40		208268	
Bromomethane	5.0	U	5.0	1	NA	7/13/10 12:40		208268	
2-Butanone (MEK)	10	U	10	1	NA	7/13/10 12:40		208268	
Carbon Disulfide	10	U	10	1	NA	7/13/10 12:40		208268	
Carbon Tetrachloride	5.0	U	5.0	1	NA	7/13/10 12:40		208268	
Chlorobenzene	5.0	U	5.0	1	NA	7/13/10 12:40		208268	
Chloroethane	5.0	U	5.0	1	NA	7/13/10 12:40		208268	
Chloroform	5.0	U	5.0	1	NA	7/13/10 12:40		208268	
Chloromethane	5.0	U	5.0	1	NA	7/13/10 12:40		208268	
Dibromochloromethane	5.0	U	5.0	1	NA	7/13/10 12:40		208268	
1,1-Dichloroethane	5.0	U	5.0	1	NA	7/13/10 12:40		208268	
1,2-Dichloroethane	5.0	U	5.0	1	NA	7/13/10 12:40		208268	
1,1-Dichloroethene	5.0	U	5.0	1	NA	7/13/10 12:40		208268	
cis-1,2-Dichloroethene	5.0	U	5.0	1	NA	7/13/10 12:40		208268	
trans-1,2-Dichloroethene	5.0	U	5.0	1	NA	7/13/10 12:40		208268	
1,2-Dichloropropane	5.0	U	5.0	1	NA	7/13/10 12:40		208268	
cis-1,3-Dichloropropene	5.0	U	5.0	1	NA	7/13/10 12:40		208268	
trans-1,3-Dichloropropene	5.0	U	5.0	1	NA	7/13/10 12:40		208268	
Ethylbenzene	5.0	U	5.0	1	NA	7/13/10 12:40		208268	
2-Hexanone	10	U	10	1	NA	7/13/10 12:40		208268	
Methylene Chloride	5.0	U	5.0	1	NA	7/13/10 12:40		208268	
4-Methyl-2-pentanone (MIBK)	10	U	10	1	NA	7/13/10 12:40		208268	
Styrene	5.0	U	5.0	1	NA	7/13/10 12:40		208268	
1,1,2,2-Tetrachloroethane	5.0	U	5.0	1	NA	7/13/10 12:40		208268	
Tetrachloroethene	5.0	U	5.0	1	NA	7/13/10 12:40		208268	
Toluene	5.0	U	5.0	1	NA	7/13/10 12:40		208268	
1,1,1-Trichloroethane	5.0	U	5.0	1	NA	7/13/10 12:40		208268	
1,1,2-Trichloroethane	5.0	U	5.0	1	NA	7/13/10 12:40		208268	
Trichloroethene	5.0	U	5.0	1	NA	7/13/10 12:40		208268	
Vinyl Chloride	5.0	U	5.0	1	NA	7/13/10 12:40		208268	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Energy Solutions	**Service Request:**	R1003586
Project:	Leica Wells July 2010	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	µg/L
Lab Code:	RQ1005638-01	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
o-Xylene	5.0	U	5.0	1	NA	7/13/10 12:40		208268	
m,p-Xylenes	5.0	U	5.0	1	NA	7/13/10 12:40		208268	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
4-Bromofluorobenzene	98	85-122	7/13/10 12:40		
Toluene-d8	93	87-121	7/13/10 12:40		
Dibromofluoromethane	99	89-119	7/13/10 12:40		

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Energy Solutions
Project: Leica Wells July 2010
Sample Matrix: Water

Service Request: R1003586
Date Analyzed: 7/ 9/10

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Units: µg/L
Basis: NA

Analysis Lot: 207946

Analyte Name	Lab Control Sample RQ1005565-02 Result	Expected	% Rec	% Rec Limits
Acetone	**16.7**	20.0	83	59 - 140
Benzene	**19.4**	20.0	97	78 - 121
Bromodichloromethane	**19.9**	20.0	99	80 - 125
Bromoform	**17.8**	20.0	89	73 - 132
Bromomethane	**21.4**	20.0	107	57 - 144
2-Butanone (MEK)	**19.3**	20.0	97	60 - 133
Carbon Disulfide	**21.1**	20.0	105	59 - 138
Carbon Tetrachloride	**19.2**	20.0	96	69 - 135
Chlorobenzene	**18.8**	20.0	94	80 - 121
Chloroethane	**20.9**	20.0	104	71 - 130
Chloroform	**20.8**	20.0	104	78 - 125
Chloromethane	**19.5**	20.0	97	62 - 133
Dibromochloromethane	**19.5**	20.0	97	78 - 133
1,1-Dichloroethane	**20.7**	20.0	103	76 - 122
1,2-Dichloroethane	**21.3**	20.0	106	78 - 126
1,1-Dichloroethene	**19.9**	20.0	99	72 - 129
cis-1,2-Dichloroethene	**19.2**	20.0	96	78 - 122
trans-1,2-Dichloroethene	**19.3**	20.0	96	75 - 121
1,2-Dichloropropane	**19.8**	20.0	99	80 - 123
cis-1,3-Dichloropropene	**18.4**	20.0	92	77 - 125
trans-1,3-Dichloropropene	**18.3**	20.0	91	69 - 127
Ethylbenzene	**19.3**	20.0	96	78 - 123
2-Hexanone	**17.0**	20.0	85	61 - 131
Methylene Chloride	**19.8**	20.0	99	75 - 125
4-Methyl-2-pentanone (MIBK)	**17.1**	20.0	85	61 - 132
Styrene	**18.4**	20.0	92	80 - 132
1,1,2,2-Tetrachloroethane	**17.0**	20.0	85	72 - 131
Tetrachloroethene	**18.4**	20.0	92	72 - 131
Toluene	**18.1**	20.0	90	78 - 122
1,1,1-Trichloroethane	**20.7**	20.0	104	72 - 128
1,1,2-Trichloroethane	**18.7**	20.0	93	80 - 122
Trichloroethene	**19.3**	20.0	96	74 - 127
Vinyl Chloride	**21.0**	20.0	105	71 - 136
o-Xylene	**18.2**	20.0	91	79 - 126
m,p-Xylenes	**36.8**	40.0	92	79 - 126

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Energy Solutions
Project: Leica Wells July 2010
Sample Matrix: Water

Service Request: R1003586
Date Analyzed: 7/13/10

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Units: µg/L
Basis: NA

Analysis Lot: 208268

Analyte Name	Lab Control Sample RQ1005638-02 Result	Expected	% Rec	% Rec Limits
Acetone	**13.9**	20.0	69	59 - 140
Benzene	**20.1**	20.0	100	78 - 121
Bromodichloromethane	**20.2**	20.0	101	80 - 125
Bromoform	**18.4**	20.0	92	73 - 132
Bromomethane	**20.0**	20.0	100	57 - 144
2-Butanone (MEK)	**17.5**	20.0	88	60 - 133
Carbon Disulfide	**21.4**	20.0	107	59 - 138
Carbon Tetrachloride	**20.9**	20.0	104	69 - 135
Chlorobenzene	**18.9**	20.0	95	80 - 121
Chloroethane	**20.7**	20.0	104	71 - 130
Chloroform	**20.5**	20.0	102	78 - 125
Chloromethane	**18.5**	20.0	92	62 - 133
Dibromochloromethane	**19.9**	20.0	100	78 - 133
1,1-Dichloroethane	**20.4**	20.0	102	76 - 122
1,2-Dichloroethane	**20.5**	20.0	102	78 - 126
1,1-Dichloroethene	**19.8**	20.0	99	72 - 129
cis-1,2-Dichloroethene	**18.4**	20.0	92	78 - 122
trans-1,2-Dichloroethene	**18.5**	20.0	93	75 - 121
1,2-Dichloropropane	**19.7**	20.0	98	80 - 123
cis-1,3-Dichloropropene	**18.9**	20.0	95	77 - 125
trans-1,3-Dichloropropene	**18.8**	20.0	94	69 - 127
Ethylbenzene	**19.7**	20.0	99	78 - 123
2-Hexanone	**16.7**	20.0	83	61 - 131
Methylene Chloride	**19.0**	20.0	95	75 - 125
4-Methyl-2-pentanone (MIBK)	**16.1**	20.0	80	61 - 132
Styrene	**17.9**	20.0	90	80 - 132
1,1,2,2-Tetrachloroethane	**16.4**	20.0	82	72 - 131
Tetrachloroethene	**20.1**	20.0	100	72 - 131
Toluene	**17.7**	20.0	89	78 - 122
1,1,1-Trichloroethane	**20.7**	20.0	104	72 - 128
1,1,2-Trichloroethane	**18.3**	20.0	91	80 - 122
Trichloroethene	**18.9**	20.0	94	74 - 127
Vinyl Chloride	**21.0**	20.0	105	71 - 136
o-Xylene	**18.3**	20.0	92	79 - 126
m,p-Xylenes	**37.5**	40.0	94	79 - 126

Comments:

Columbia Analytical Services — CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

SR #

CAS Contact

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Project Name: Leica	Project Number:
Project Manager: Bob McPeak	Report CC:
Company/Address: EnergySolutions Inc. 100 Mill Plain Rd 2nd Floor Box 106 Danbury, CT 06811	
Phone #: 801-303-1092	FAX#: 203-797-8994
Sampler's Signature: Wayne DeGolier	Sampler's Printed Name: Wayne DeGolier

ANALYSIS REQUESTED *(Include Method Number and Container Preservative)*

PRESERVATIVE

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	GC/MS VOAs ☐ 8260 ☐ 624 ☐ CLP	GC/MS SVOA's ☐ 8270 ☐ 625 ☐ CLP	GC VOA's ☐ 8021 ☐ 601/602	PESTICIDES ☐ 8081 ☐ 608 ☐ CLP	PCBs ☐ 8082 ☐ 608 ☐ CLP	METALS, TOTAL (List in comments below)	METALS, DISSOLVED (List in comments below)	REMARKS/ ALTERNATE DESCRIPTION
MW 27	-001	7/2/10	12:35	H2O	1						X		
MW 25	-002	7/2/10	13:45										
MW 25A	-003	7/2/10	14:00										
MW 26	-004	7/2/10	14:15										
MW 28	-005	7/2/10	15:30										
MW 29A	-006	7/3/10	13:00										
MW 28A	-007	7/3/10	13:15										
MW 26A	-008	7/3/10	13:30										
MW 27A	-009	7/3/10	14:30										
MW 22A	-010	7/3/10	14:45										

Preservative Key
0. NONE
1. HCL
2. HNO_3
3. H_2SO_4
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
8. Other _____

SPECIAL INSTRUCTIONS/COMMENTS
Metals

See QAPP ☐

TURNAROUND REQUIREMENTS
RUSH (SURCHARGES APPLY)
___ 24 hr ___ 48 hr ___ 5 day
✓ STANDARD
REQUESTED FAX DATE
REQUESTED REPORT DATE

REPORT REQUIREMENTS
___ I. Results Only
X II. Results + QC Summaries (LCS, DUP, MS/MSD as required)
___ III. Results + QC and Calibration Summaries
___ IV. Data Validation Report with Raw Data
___ V. Specialized Forms / Custom Report
Edata X Yes ___ No

INVOICE INFORMATION
PO#
BILL TO:

R1003586
Energy Solutions, Inc.
Leica

SAMPLE RECEIPT: CONDITION/COOLER TEMP: 3°C CUSTODY SEALS: Y (N)

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	
Signature: Wayne DeGolier	Signature:	Signature:	Signature: B Doyle	Signature:	Signature:
Printed Name: Wayne DeGolier	Printed Name: Pat Bennett	Printed Name: Pat Bennett	Printed Name: B Doyle	Printed Name:	Printed Name:
Firm: EnviroSite	Firm: CAS	Firm: CAS	Firm: CAS	Firm:	Firm:
Date/Time: 7/7/10 1540	Date/Time: 7/7/10 1540	Date/Time: 7/7/10 1620	Date/Time: 7/7/10 1620	Date/Time:	Date/Time:

Distribution: White - Return to Originator; Yellow - Lab Copy; Pink - Retained by Client

SCOC-1102-08

Columbia Analytical Services™ CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

SR #

CAS Contact

www.caslab.com One Mustard St., Suite 250 • Rochester, NY 14609-0859(585) 288-5380 • 800-695-7222 x11 • FAX (585) 288-8475 PAGE 2 OF 2

Project Name: Leica	Project Number:
Project Manager: Bob McPeak	Report CC:
Company/Address: EnergySolutions Inc 100 Mill Plain Rd 2nd. Floor Box 106 Danbury, CT 06811	
Phone #: 801-303-1092	FAX#: 203-797-8994
Sampler's Signature: Wayne DeBolick	Sampler's Printed Name: Wayne DeBolick

ANALYSIS REQUESTED *(Include Method Number and Container Preservative)*

PRESERVATIVE

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	GC/MS VOA's ☐8260 ☐624 ☐CLP	GC/MS SVOA's ☐8270 ☐625 ☐CLP	GC VOA's ☐8021 ☐601/602	PESTICIDES ☐8081 ☐608 ☐CLP	PCB's ☐8082 ☐608 ☐CLP	METALS, TOTAL (List in comments below)	METALS, DISSOLVED (List in comments below)	REMARKS/ ALTERNATE DESCRIPTION
MW 22	-011	7/3/10	14:55	H_2O	1	X							
MW 18A	-012	7/3/10	15:30		1								
MW 18	-013	7/3/10	16:00		1								

Preservative Key
0. NONE
1. HCL
2. HNO_3
3. H_2SO_4
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
8. Other _____

SPECIAL INSTRUCTIONS/COMMENTS
Metals

See QAPP ☐

TURNAROUND REQUIREMENTS
___ RUSH (SURCHARGES APPLY)
___ 24 hr ___ 48 hr ___ 5 day
✓ STANDARD
REQUESTED FAX DATE
REQUESTED REPORT DATE

REPORT REQUIREMENTS
___ I. Results Only
✓ II. Results + QC Summaries (LCS, DUP, MS/MSD as required)
___ III. Results + QC and Calibration Summaries
___ IV. Data Validation Report with Raw Data
___ V. Specialized Forms / Custom F
Edata ✓ Yes ___ N

INVOICE INFORMATION
PO#
BILL TO:

R1003586
Energy Solutions, Inc.
Leica

SAMPLE RECEIPT: CONDITION/COOLER TEMP: 3°C CUSTODY SEALS: Y ⓝ

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	
Signature: Wayne DeBolick	Signature:	Signature:	Signature:	Signature:	Signature:
Printed Name: Wayne DeBolick	Printed Name: Pat Bennett	Printed Name: Pat Bennett	Printed Name: Doyle	Printed Name:	Printed Name:
Firm: EnergySolutions	Firm: CAS	Firm: CAS	Firm: CAS	Firm:	Firm:
Date/Time: 7/7/10 1540	Date/Time: 7/7/10 1540	Date/Time: 7/7/10 1620	Date/Time: 7-7-10 1620	Date/Time:	Date/Time:

Distribution: White - Return to Originator; Yellow - Lab Copy; Pink - Retained by Client

SCOC-1102-08

Cooler Receipt And Preservation Check Form

Project/Client Leica Submission Number RIO-3586.

Cooler received on 7/7/10 by: BD COURIER: (CAS) UPS FEDEX VELOCITY CLIENT

1.	Were custody seals on outside of cooler?		YES	(NO)		
2.	Were custody papers properly filled out (ink, signed, etc.)?		(YES)	NO		
3.	Did all bottles arrive in good condition (unbroken)?	BD 7/7/10	(YES)	(NO) *		
4.	Did any VOA vials have significant* air bubbles?		YES	(NO)	N/A	
5.	Were Ice or Ice packs present?		(YES)	NO		
6.	Where did the bottles originate?		CAS/ROC,	CLIENT		
7.	Temperature of cooler(s) upon receipt:	3°				
	Is the temperature within 0° - 6° C?:	(Yes)	Yes	Yes	Yes	Yes
	If No, Explain Below	No	No	No	No	No

Date/Time Temperatures Taken: 7/7 @ 1630

Thermometer ID: (IR GUN#3) / IR GUN#4 Reading From: Temp Blank (Sample Bottle)

If out of Temperature, note packing/ice condition, Client Approval to Run Samples: _____

PC Secondary Review: KB 7/8/10

Cooler Breakdown: Date: 7/8/10 by: BD

1.	Were all bottle labels complete (*i.e.* analysis, preservation, etc.)?	(YES)	NO
2.	Did all bottle labels and tags agree with custody papers?	(YES)	NO
3.	Were correct containers used for the tests indicated?	(YES)	NO
4.	Air Samples: Cassettes / Tubes Intact Canisters Pressurized Tedlar® Bags Inflated		(N/A)

Explain any discrepancies: _____

pH	Reagent	YES	NO	Lot Received	Exp	Sample ID	Vol. Added	Lot Added	Final pH
≥12	NaOH								
≤2	HNO_3								
≤2	H_2SO_4								
Residual Chlorine (-)	For TCN and Phenol			If present, contact PM to add ascorbic acid					
	$Na_2S_2O_3$	-	-						
	Zn Aceta	-	-						
	HCl	*	*	41009100	5/11				

*Not to be tested before analysis – pH tested and recorded by VOAs or GenChem on a separate worksheet

Yes = All samples OK

No = Samples were preserved at lab as listed

PM OK to Adjust: _____

Bottle lot numbers: 0-075-001

Other Comments:

* 1 VOA vial for MW22 + MW 22A were rec'd broken.

PC Secondary Review: KB 7/19/10

*significant air bubbles are greater than 5-6 mm

H:\SMODOCS\Cooler Receipt 2.doc

Columbia Analytical Services™ 1 Mustard Street, Suite 250 | Rochester, NY 14609 | 585-288-5380 | 585-288-8475 fax | www.caslab.com

July 23, 2010 Service Request No: R1003551

Mr. Robert McPeak
Energy Solutions, Inc.
100 Mill Plain Rd
2nd Floor Mailbox 106
Danbury, CT 06811

Laboratory Results for: Leica Wells July 2010

Dear Mr. McPeak:

Enclosed are the results of the sample(s) submitted to our laboratory on July 6, 2010. For your reference, these analyses have been assigned our service request number **R1003551**.

All analyses were performed according to our laboratory's quality assurance program. The test results meet requirements of the NELAP standards except as noted in the case narrative report. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please contact me if you have any questions. My extension is 134. You may also contact me via email at KBunker@caslab.com.

Respectfully submitted,

Columbia Analytical Services, Inc.

Karen Bunker
Project Manager

COLUMBIA ANALYTICAL SERVICES, INC.

Client:	Energy Solutions	**Service Request No.:**	R1003551
Project:	Leica Wells 7/2010	**Date Received:**	7/6/10
Sample Matrix:	Water		

All analyses were performed consistent with the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for samples designated for Tier II data deliverables. When appropriate to the method, method blank results have been reported with each analytical test. Surrogate recoveries have been reported for all applicable organic analyses.

Sample Receipt

Twelve (12) groundwater samples and one (1) Trip Blank were collected by the client on 7/7/2010 and received for analysis at Columbia Analytical Services on the same day via CAS Courier. The samples were received in good condition. The cooler receipt temperature range was 2.8-5.8°C, within the guidelines of 0-6°C.

Volatile Organics

Thirteen (13) water samples were analyzed for Volatile Organic compounds by GC/MS method 8260B.

The Initial and Continuing Calibration Criteria were met.

Batch QC is included in the report. All Laboratory Control Sample (LCS) and LCS Duplicate recoveries for target compounds were within QC limits. All Relative Percent Difference (RPD) calculations were acceptable.

All Surrogate recoveries are within acceptance limits.

Hits above the calibration range of the standards are flagged "E", estimated. The sample is then repeated at the appropriate dilution for the hits. Both sets of data are included in the report. The subsequent dilution hits are flagged as "D".

All Laboratory Method Blanks were free from contamination.

The samples were analyzed within the 14 day holding time for the method. All vials are checked for preservation after the analysis in order to maintain the integrity of the sample. All vials were found to be preserved to a pH of <2.

No problems were encountered during the analysis of these samples.

Inorganics

Twelve (12) water samples were analyzed for TOC, Dissolved Iron and Manganese, and IC compounds: Chloride, Nitrate, and Sulfate. All Method numbers are noted on the Data Form 1's of the report. The soluble locations were filtered in the laboratory.

All Initial and Continuing Calibration Criteria was met for these analyses.

Batch QC is included in the report. All Laboratory Control Sample recoveries were within QC acceptance limits.

All Laboratory Method Blanks were free from contamination.

All holding times were initially met for these analyses. The Nitrate analysis was repeated less than 2 hours outside of holding time for samples MW 16A (CAS #R1003551-017), MW 24A (R1003551-021) and MW 24 (R1003551-023). The repeats were necessary due to a Continuing Calibration failure on the initial run.

No problems were encountered with these analyses.

Approved by Karen Burke **Date** 7/23/10

CASE NARRATIVE

This report contains analytical results for the following samples:
Service Request Number: R1003551

Lab ID	Client ID
R1003551-001	MW 10
R1003551-002	MW 10 DISSOLVED
R1003551-003	MW 14
R1003551-004	MW 14 DISSOLVED
R1003551-005	MW 14A
R1003551-006	MW 14A DISSOLVED
R1003551-007	MW 5
R1003551-008	MW 5 DISSOLVED
R1003551-009	MW 5A
R1003551-010	MW 5A DISSOLVED
R1003551-011	MW 6
R1003551-012	MW 6 DISSOLVED
R1003551-013	MW 6A
R1003551-014	MW 6A DISSOLVED
R1003551-015	MW 16R
R1003551-016	MW 16R DISSOLVED
R1003551-017	MW 16A
R1003551-018	MW 16A DISSOLVED
R1003551-019	MW 11A
R1003551-020	MW 11A DISSOLVED
R1003551-021	MW 24A
R1003551-022	MW 24A DISSOLVED
R1003551-023	MW 24
R1003551-024	MW 24 DISSOLVED
R1003551-025	Trip Blank

Columbia Analytical Services INC

REPORT QUALIFIERS

U	Analyte was analyzed for but not detected. The sample quantitation limit has been corrected for dilution and for percent moisture, unless otherwise noted in the case narrative.
J	Estimated value due to either being a Tentatively Identified Compound (TIC) or that the concentration is between the MRL and the MDL. Concentrations are not verified within the linear range of the calibration. For DoD: concentration >40% difference between two GC columns (pesticides/Arclors).
B	Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.
E	Inorganics- Concentration is estimated due to the serial dilution was outside control limits.
E	Organics- Concentration has exceeded the calibration range for that specific analysis.
D	Concentration is a result of a dilution, typically a secondary analysis of the sample due to exceeding the calibration range or that a surrogate has been diluted out of the sample and cannot be assessed.
*	Indicates that a quality control parameter has exceeded laboratory limits.
#	Spike was diluted out.
+	Correlation coefficient for MSA is <0.995.
N	Inorganics- Matrix spike recovery was outside laboratory limits.
N	Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.
S	Concentration has been determined using Method of Standard Additions (MSA).
W	Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.
P	Concentration >40% (25% for CLP) difference between the two GC columns.
C	Confirmed by GC/MS
Q	DoD reports: indicates a pesticide/Aroclor is not confirmed (≥100% Difference between two GC columns).
X	See Case Narrative for discussion.

ACCREDITED IN ACCORDANCE WITH nelac

CAS/Rochester Lab ID # for State Certifications[1]

NELAP Accredited
Delaware Accredited
Connecticut ID # PH0556
Florida ID # E87674
Illinois ID #200047
Maine ID #NY0032
Nebraska Accredited
Navy Facilities Engineering Service Center Approved
Nevada ID # NY-00032
New Jersey ID # NY004
New York ID # 10145
New Hampshire ID # 294100 A/B
Pennsylvania ID# 68-786
Rhode Island ID # 158
West Virginia ID # 292

[1] Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable, except as noted in the laboratory case narrative provided. For a specific list of accredited analytes, refer to the certifications section at www.caslab.com.

Client:	Energy Solutions	**Service Request:**	R1003551
Project:	Leica Wells July 2010	**Date Collected:**	7/ 6/10 0800
Sample Matrix:	Water	**Date Received:**	7/ 6/10
Sample Name:	MW 10		
Lab Code:	R1003551-001	**Basis:**	NA

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed
Carbon, Total Organic (TOC)	SM20 5310 C	152		mg/L	10	10	NA	7/15/10 23:08
Chloride	300.0	33.5		mg/L	2.0	10	NA	7/7/10 11:49
Nitrate as Nitrogen	300.0	0.50	U	mg/L	0.50	10	NA	7/7/10 11:49
Sulfate	300.0	4.1		mg/L	2.0	10	NA	7/7/10 11:49

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Energy Solutions	**Service Request:**	R1003551
Project:	Leica Wells July 2010	**Date Collected:**	7/ 6/10 0800
Sample Matrix:	Water	**Date Received:**	7/ 6/10
Sample Name:	MW 10	**Units:**	µg/L
Lab Code:	R1003551-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot
Acetone	**46**		20	1	NA	7/14/10 15:57		208370
Benzene	5.0	U	5.0	1	NA	7/14/10 15:57		208370
Bromodichloromethane	5.0	U	5.0	1	NA	7/14/10 15:57		208370
Bromoform	5.0	U	5.0	1	NA	7/14/10 15:57		208370
Bromomethane	5.0	U	5.0	1	NA	7/14/10 15:57		208370
2-Butanone (MEK)	**110**		10	1	NA	7/14/10 15:57		208370
Carbon Disulfide	10	U	10	1	NA	7/14/10 15:57		208370
Carbon Tetrachloride	5.0	U	5.0	1	NA	7/14/10 15:57		208370
Chlorobenzene	5.0	U	5.0	1	NA	7/14/10 15:57		208370
Chloroethane	5.0	U	5.0	1	NA	7/14/10 15:57		208370
Chloroform	5.0	U	5.0	1	NA	7/14/10 15:57		208370
Chloromethane	5.0	U	5.0	1	NA	7/14/10 15:57		208370
Dibromochloromethane	5.0	U	5.0	1	NA	7/14/10 15:57		208370
1,1-Dichloroethane	5.0	U	5.0	1	NA	7/14/10 15:57		208370
1,2-Dichloroethane	5.0	U	5.0	1	NA	7/14/10 15:57		208370
1,1-Dichloroethene	5.0	U	5.0	1	NA	7/14/10 15:57		208370
cis-1,2-Dichloroethene	**9.5**		5.0	1	NA	7/14/10 15:57		208370
trans-1,2-Dichloroethene	5.0	U	5.0	1	NA	7/14/10 15:57		208370
1,2-Dichloropropane	5.0	U	5.0	1	NA	7/14/10 15:57		208370
cis-1,3-Dichloropropene	5.0	U	5.0	1	NA	7/14/10 15:57		208370
trans-1,3-Dichloropropene	5.0	U	5.0	1	NA	7/14/10 15:57		208370
Ethylbenzene	5.0	U	5.0	1	NA	7/14/10 15:57		208370
2-Hexanone	10	U	10	1	NA	7/14/10 15:57		208370
Methylene Chloride	5.0	U	5.0	1	NA	7/14/10 15:57		208370
4-Methyl-2-pentanone (MIBK)	10	U	10	1	NA	7/14/10 15:57		208370
Styrene	5.0	U	5.0	1	NA	7/14/10 15:57		208370
1,1,2,2-Tetrachloroethane	5.0	U	5.0	1	NA	7/14/10 15:57		208370
Tetrachloroethene	5.0	U	5.0	1	NA	7/14/10 15:57		208370
Toluene	5.0	U	5.0	1	NA	7/14/10 15:57		208370
1,1,1-Trichloroethane	5.0	U	5.0	1	NA	7/14/10 15:57		208370
1,1,2-Trichloroethane	5.0	U	5.0	1	NA	7/14/10 15:57		208370
Trichloroethene	5.0	U	5.0	1	NA	7/14/10 15:57		208370
Vinyl Chloride	**24**		5.0	1	NA	7/14/10 15:57		208370
o-Xylene	5.0	U	5.0	1	NA	7/14/10 15:57		208370
m,p-Xylenes	5.0	U	5.0	1	NA	7/14/10 15:57		208370

Client:	Energy Solutions	**Service Request:**	R1003551
Project:	Leica Wells July 2010	**Date Collected:**	7/ 6/10 0800
Sample Matrix:	Water	**Date Received:**	7/ 6/10
Sample Name:	MW 10	**Units:**	Percent
Lab Code:	R1003551-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	107	85-122	7/14/10 15:57	
Toluene-d8	106	87-121	7/14/10 15:57	
Dibromofluoromethane	114	89-119	7/14/10 15:57	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Energy Solutions	**Service Request:**	R1003551
Project:	Leica Wells July 2010	**Date Collected:**	7/ 6/10 0800
Sample Matrix:	Water	**Date Received:**	7/ 6/10
Sample Name:	MW 10 DISSOLVED		
Lab Code:	R1003551-002	**Basis:**	NA

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed
Iron, Dissolved	6010B	**2510**		µg/L	100	1	7/12/10	7/16/10 14:29
Manganese, Dissolved	6010B	**30**		µg/L	10	1	7/12/10	7/16/10 14:29

Client:	Energy Solutions	**Service Request:**	R1003551
Project:	Leica Wells July 2010	**Date Collected:**	7/ 6/10 0815
Sample Matrix:	Water	**Date Received:**	7/ 6/10
Sample Name:	MW 14		
Lab Code:	R1003551-003	**Basis:**	NA

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed
Carbon, Total Organic (TOC)	SM20 5310 C	4.5		mg/L	1.0	1	NA	7/19/10 17:02
Chloride	300.0	55.1		mg/L	2.0	10	NA	7/7/10 12:28
Nitrate as Nitrogen	300.0	0.50	U	mg/L	0.50	10	NA	7/7/10 12:28
Sulfate	300.0	327		mg/L	20	100	NA	7/8/10 18:29

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Energy Solutions	**Service Request:**	R1003551
Project:	Leica Wells July 2010	**Date Collected:**	7/ 6/10 0815
Sample Matrix:	Water	**Date Received:**	7/ 6/10
Sample Name:	MW 14	**Units:**	µg/L
Lab Code:	R1003551-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot
Acetone	20	U	20	1	NA	7/12/10 16:30		208123
Benzene	5.0	U	5.0	1	NA	7/12/10 16:30		208123
Bromodichloromethane	5.0	U	5.0	1	NA	7/12/10 16:30		208123
Bromoform	5.0	U	5.0	1	NA	7/12/10 16:30		208123
Bromomethane	5.0	U	5.0	1	NA	7/12/10 16:30		208123
2-Butanone (MEK)	10	U	10	1	NA	7/12/10 16:30		208123
Carbon Disulfide	10	U	10	1	NA	7/12/10 16:30		208123
Carbon Tetrachloride	5.0	U	5.0	1	NA	7/12/10 16:30		208123
Chlorobenzene	5.0	U	5.0	1	NA	7/12/10 16:30		208123
Chloroethane	5.0	U	5.0	1	NA	7/12/10 16:30		208123
Chloroform	5.0	U	5.0	1	NA	7/12/10 16:30		208123
Chloromethane	5.0	U	5.0	1	NA	7/12/10 16:30		208123
Dibromochloromethane	5.0	U	5.0	1	NA	7/12/10 16:30		208123
1,1-Dichloroethane	5.0	U	5.0	1	NA	7/12/10 16:30		208123
1,2-Dichloroethane	5.0	U	5.0	1	NA	7/12/10 16:30		208123
1,1-Dichloroethene	5.0	U	5.0	1	NA	7/12/10 16:30		208123
cis-1,2-Dichloroethene	**280**	E	5.0	1	NA	7/12/10 16:30		208123
trans-1,2-Dichloroethene	**7.0**		5.0	1	NA	7/12/10 16:30		208123
1,2-Dichloropropane	5.0	U	5.0	1	NA	7/12/10 16:30		208123
cis-1,3-Dichloropropene	5.0	U	5.0	1	NA	7/12/10 16:30		208123
trans-1,3-Dichloropropene	5.0	U	5.0	1	NA	7/12/10 16:30		208123
Ethylbenzene	5.0	U	5.0	1	NA	7/12/10 16:30		208123
2-Hexanone	10	U	10	1	NA	7/12/10 16:30		208123
Methylene Chloride	5.0	U	5.0	1	NA	7/12/10 16:30		208123
4-Methyl-2-pentanone (MIBK)	10	U	10	1	NA	7/12/10 16:30		208123
Styrene	5.0	U	5.0	1	NA	7/12/10 16:30		208123
1,1,2,2-Tetrachloroethane	5.0	U	5.0	1	NA	7/12/10 16:30		208123
Tetrachloroethene	5.0	U	5.0	1	NA	7/12/10 16:30		208123
Toluene	5.0	U	5.0	1	NA	7/12/10 16:30		208123
1,1,1-Trichloroethane	5.0	U	5.0	1	NA	7/12/10 16:30		208123
1,1,2-Trichloroethane	5.0	U	5.0	1	NA	7/12/10 16:30		208123
Trichloroethene	5.0	U	5.0	1	NA	7/12/10 16:30		208123
Vinyl Chloride	**91**		5.0	1	NA	7/12/10 16:30		208123
o-Xylene	5.0	U	5.0	1	NA	7/12/10 16:30		208123
m,p-Xylenes	5.0	U	5.0	1	NA	7/12/10 16:30		208123

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Energy Solutions	**Service Request:**	R1003551
Project:	Leica Wells July 2010	**Date Collected:**	7/ 6/10 0815
Sample Matrix:	Water	**Date Received:**	7/ 6/10
Sample Name:	MW 14	**Units:**	Percent
Lab Code:	R1003551-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	110	85-122	7/12/10 16:30	
Toluene-d8	102	87-121	7/12/10 16:30	
Dibromofluoromethane	111	89-119	7/12/10 16:30	

Client: Energy Solutions
Project: Leica Wells July 2010
Sample Matrix: Water

Service Request: R1003551
Date Collected: 7/ 6/10 0815
Date Received: 7/ 6/10

Sample Name: MW 14
Lab Code: R1003551-003
Run Type: Dilution

Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot
Acetone	40	U	40	2	NA	7/14/10 16:35		208370
Benzene	10	U	10	2	NA	7/14/10 16:35		208370
Bromodichloromethane	10	U	10	2	NA	7/14/10 16:35		208370
Bromoform	10	U	10	2	NA	7/14/10 16:35		208370
Bromomethane	10	U	10	2	NA	7/14/10 16:35		208370
2-Butanone (MEK)	20	U	20	2	NA	7/14/10 16:35		208370
Carbon Disulfide	20	U	20	2	NA	7/14/10 16:35		208370
Carbon Tetrachloride	10	U	10	2	NA	7/14/10 16:35		208370
Chlorobenzene	10	U	10	2	NA	7/14/10 16:35		208370
Chloroethane	10	U	10	2	NA	7/14/10 16:35		208370
Chloroform	10	U	10	2	NA	7/14/10 16:35		208370
Chloromethane	10	U	10	2	NA	7/14/10 16:35		208370
Dibromochloromethane	10	U	10	2	NA	7/14/10 16:35		208370
1,1-Dichloroethane	10	U	10	2	NA	7/14/10 16:35		208370
1,2-Dichloroethane	10	U	10	2	NA	7/14/10 16:35		208370
1,1-Dichloroethene	10	U	10	2	NA	7/14/10 16:35		208370
cis-1,2-Dichloroethene	**260**	D	10	2	NA	7/14/10 16:35		208370
trans-1,2-Dichloroethene	10	U	10	2	NA	7/14/10 16:35		208370
1,2-Dichloropropane	10	U	10	2	NA	7/14/10 16:35		208370
cis-1,3-Dichloropropene	10	U	10	2	NA	7/14/10 16:35		208370
trans-1,3-Dichloropropene	10	U	10	2	NA	7/14/10 16:35		208370
Ethylbenzene	10	U	10	2	NA	7/14/10 16:35		208370
2-Hexanone	20	U	20	2	NA	7/14/10 16:35		208370
Methylene Chloride	10	U	10	2	NA	7/14/10 16:35		208370
4-Methyl-2-pentanone (MIBK)	20	U	20	2	NA	7/14/10 16:35		208370
Styrene	10	U	10	2	NA	7/14/10 16:35		208370
1,1,2,2-Tetrachloroethane	10	U	10	2	NA	7/14/10 16:35		208370
Tetrachloroethene	10	U	10	2	NA	7/14/10 16:35		208370
Toluene	10	U	10	2	NA	7/14/10 16:35		208370
1,1,1-Trichloroethane	10	U	10	2	NA	7/14/10 16:35		208370
1,1,2-Trichloroethane	10	U	10	2	NA	7/14/10 16:35		208370
Trichloroethene	10	U	10	2	NA	7/14/10 16:35		208370
Vinyl Chloride	**83**	D	10	2	NA	7/14/10 16:35		208370
o-Xylene	10	U	10	2	NA	7/14/10 16:35		208370
m,p-Xylenes	10	U	10	2	NA	7/14/10 16:35		208370

Client:	Energy Solutions	**Service Request:**	R1003551
Project:	Leica Wells July 2010	**Date Collected:**	7/ 6/10 0815
Sample Matrix:	Water	**Date Received:**	7/ 6/10
Sample Name:	MW 14	**Units:**	Percent
Lab Code:	R1003551-003	**Basis:**	NA
Run Type:	Dilution		

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	109	85-122	7/14/10 16:35	
Toluene-d8	104	87-121	7/14/10 16:35	
Dibromofluoromethane	109	89-119	7/14/10 16:35	

Client:	Energy Solutions	**Service Request:**	R1003551
Project:	Leica Wells July 2010	**Date Collected:**	7/ 6/10 0815
Sample Matrix:	Water	**Date Received:**	7/ 6/10
Sample Name:	MW 14 DISSOLVED		
Lab Code:	R1003551-004	**Basis:**	NA

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed
Iron, Dissolved	6010B	**200**		µg/L	100	1	7/12/10	7/16/10 14:58
Manganese, Dissolved	6010B	**63**		µg/L	10	1	7/12/10	7/16/10 14:58

Client: Energy Solutions
Project: Leica Wells July 2010
Sample Matrix: Water

Service Request: R1003551
Date Collected: 7/ 6/10 0825
Date Received: 7/ 6/10

Sample Name: MW 14A
Lab Code: R1003551-005

Basis: NA

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed
Carbon, Total Organic (TOC)	SM20 5310 C	**3.9**		mg/L	1.0	1	NA	7/19/10 17:36
Chloride	300.0	**15.0**		mg/L	2.0	10	NA	7/7/10 12:42
Nitrate as Nitrogen	300.0	0.50	U	mg/L	0.50	10	NA	7/7/10 12:42
Sulfate	300.0	**115**		mg/L	4.0	20	NA	7/8/10 18:41

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Energy Solutions	**Service Request:**	R1003551
Project:	Leica Wells July 2010	**Date Collected:**	7/ 6/10 0825
Sample Matrix:	Water	**Date Received:**	7/ 6/10
Sample Name:	MW 14A	**Units:**	µg/L
Lab Code:	R1003551-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot
Acetone	20	U	20	1	NA	7/12/10 17:08		208123
Benzene	5.0	U	5.0	1	NA	7/12/10 17:08		208123
Bromodichloromethane	5.0	U	5.0	1	NA	7/12/10 17:08		208123
Bromoform	5.0	U	5.0	1	NA	7/12/10 17:08		208123
Bromomethane	5.0	U	5.0	1	NA	7/12/10 17:08		208123
2-Butanone (MEK)	10	U	10	1	NA	7/12/10 17:08		208123
Carbon Disulfide	10	U	10	1	NA	7/12/10 17:08		208123
Carbon Tetrachloride	5.0	U	5.0	1	NA	7/12/10 17:08		208123
Chlorobenzene	5.0	U	5.0	1	NA	7/12/10 17:08		208123
Chloroethane	5.0	U	5.0	1	NA	7/12/10 17:08		208123
Chloroform	5.0	U	5.0	1	NA	7/12/10 17:08		208123
Chloromethane	5.0	U	5.0	1	NA	7/12/10 17:08		208123
Dibromochloromethane	5.0	U	5.0	1	NA	7/12/10 17:08		208123
1,1-Dichloroethane	5.0	U	5.0	1	NA	7/12/10 17:08		208123
1,2-Dichloroethane	5.0	U	5.0	1	NA	7/12/10 17:08		208123
1,1-Dichloroethene	5.0	U	5.0	1	NA	7/12/10 17:08		208123
cis-1,2-Dichloroethene	**31**		5.0	1	NA	7/12/10 17:08		208123
trans-1,2-Dichloroethene	5.0	U	5.0	1	NA	7/12/10 17:08		208123
1,2-Dichloropropane	5.0	U	5.0	1	NA	7/12/10 17:08		208123
cis-1,3-Dichloropropene	5.0	U	5.0	1	NA	7/12/10 17:08		208123
trans-1,3-Dichloropropene	5.0	U	5.0	1	NA	7/12/10 17:08		208123
Ethylbenzene	5.0	U	5.0	1	NA	7/12/10 17:08		208123
2-Hexanone	10	U	10	1	NA	7/12/10 17:08		208123
Methylene Chloride	5.0	U	5.0	1	NA	7/12/10 17:08		208123
4-Methyl-2-pentanone (MIBK)	10	U	10	1	NA	7/12/10 17:08		208123
Styrene	5.0	U	5.0	1	NA	7/12/10 17:08		208123
1,1,2,2-Tetrachloroethane	5.0	U	5.0	1	NA	7/12/10 17:08		208123
Tetrachloroethene	5.0	U	5.0	1	NA	7/12/10 17:08		208123
Toluene	5.0	U	5.0	1	NA	7/12/10 17:08		208123
1,1,1-Trichloroethane	5.0	U	5.0	1	NA	7/12/10 17:08		208123
1,1,2-Trichloroethane	5.0	U	5.0	1	NA	7/12/10 17:08		208123
Trichloroethene	5.0	U	5.0	1	NA	7/12/10 17:08		208123
Vinyl Chloride	**24**		5.0	1	NA	7/12/10 17:08		208123
o-Xylene	5.0	U	5.0	1	NA	7/12/10 17:08		208123
m,p-Xylenes	5.0	U	5.0	1	NA	7/12/10 17:08		208123

Client:	Energy Solutions	**Service Request:**	R1003551
Project:	Leica Wells July 2010	**Date Collected:**	7/ 6/10 0825
Sample Matrix:	Water	**Date Received:**	7/ 6/10
Sample Name:	MW 14A	**Units:**	Percent
Lab Code:	R1003551-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	111	85-122	7/12/10 17:08	
Toluene-d8	103	87-121	7/12/10 17:08	
Dibromofluoromethane	111	89-119	7/12/10 17:08	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Energy Solutions	**Service Request:**	R1003551
Project:	Leica Wells July 2010	**Date Collected:**	7/ 6/10 0825
Sample Matrix:	Water	**Date Received:**	7/ 6/10
Sample Name:	MW 14A DISSOLVED		
Lab Code:	R1003551-006	**Basis:**	NA

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed
Iron, Dissolved	6010B	**830**		µg/L	100	1	7/12/10	7/16/10 15:04
Manganese, Dissolved	6010B	**83**		µg/L	10	1	7/12/10	7/16/10 15:04

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Energy Solutions	**Service Request:**	R1003551
Project:	Leica Wells July 2010	**Date Collected:**	7/ 6/10 0840
Sample Matrix:	Water	**Date Received:**	7/ 6/10
Sample Name:	MW 5		
Lab Code:	R1003551-007	**Basis:**	NA

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed
Carbon, Total Organic (TOC)	SM20 5310 C	**3.8**		mg/L	1.0	1	NA	7/16/10 00:38
Chloride	300.0	**2.0**		mg/L	2.0	10	NA	7/7/10 12:55
Nitrate as Nitrogen	300.0	0.50	U	mg/L	0.50	10	NA	7/7/10 12:55
Sulfate	300.0	**9.8**		mg/L	2.0	10	NA	7/7/10 12:55

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Energy Solutions	**Service Request:**	R1003551
Project:	Leica Wells July 2010	**Date Collected:**	7/ 6/10 0840
Sample Matrix:	Water	**Date Received:**	7/ 6/10
Sample Name:	MW 5	**Units:**	µg/L
Lab Code:	R1003551-007	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot
Acetone	20	U	20	1	NA	7/12/10 17:46		208123
Benzene	5.0	U	5.0	1	NA	7/12/10 17:46		208123
Bromodichloromethane	5.0	U	5.0	1	NA	7/12/10 17:46		208123
Bromoform	5.0	U	5.0	1	NA	7/12/10 17:46		208123
Bromomethane	5.0	U	5.0	1	NA	7/12/10 17:46		208123
2-Butanone (MEK)	10	U	10	1	NA	7/12/10 17:46		208123
Carbon Disulfide	10	U	10	1	NA	7/12/10 17:46		208123
Carbon Tetrachloride	5.0	U	5.0	1	NA	7/12/10 17:46		208123
Chlorobenzene	5.0	U	5.0	1	NA	7/12/10 17:46		208123
Chloroethane	5.0	U	5.0	1	NA	7/12/10 17:46		208123
Chloroform	5.0	U	5.0	1	NA	7/12/10 17:46		208123
Chloromethane	5.0	U	5.0	1	NA	7/12/10 17:46		208123
Dibromochloromethane	5.0	U	5.0	1	NA	7/12/10 17:46		208123
1,1-Dichloroethane	5.0	U	5.0	1	NA	7/12/10 17:46		208123
1,2-Dichloroethane	5.0	U	5.0	1	NA	7/12/10 17:46		208123
1,1-Dichloroethene	5.0	U	5.0	1	NA	7/12/10 17:46		208123
cis-1,2-Dichloroethene	5.0	U	5.0	1	NA	7/12/10 17:46		208123
trans-1,2-Dichloroethene	5.0	U	5.0	1	NA	7/12/10 17:46		208123
1,2-Dichloropropane	5.0	U	5.0	1	NA	7/12/10 17:46		208123
cis-1,3-Dichloropropene	5.0	U	5.0	1	NA	7/12/10 17:46		208123
trans-1,3-Dichloropropene	5.0	U	5.0	1	NA	7/12/10 17:46		208123
Ethylbenzene	5.0	U	5.0	1	NA	7/12/10 17:46		208123
2-Hexanone	10	U	10	1	NA	7/12/10 17:46		208123
Methylene Chloride	5.0	U	5.0	1	NA	7/12/10 17:46		208123
4-Methyl-2-pentanone (MIBK)	10	U	10	1	NA	7/12/10 17:46		208123
Styrene	5.0	U	5.0	1	NA	7/12/10 17:46		208123
1,1,2,2-Tetrachloroethane	5.0	U	5.0	1	NA	7/12/10 17:46		208123
Tetrachloroethene	5.0	U	5.0	1	NA	7/12/10 17:46		208123
Toluene	5.0	U	5.0	1	NA	7/12/10 17:46		208123
1,1,1-Trichloroethane	5.0	U	5.0	1	NA	7/12/10 17:46		208123
1,1,2-Trichloroethane	5.0	U	5.0	1	NA	7/12/10 17:46		208123
Trichloroethene	5.0	U	5.0	1	NA	7/12/10 17:46		208123
Vinyl Chloride	5.0	U	5.0	1	NA	7/12/10 17:46		208123
o-Xylene	5.0	U	5.0	1	NA	7/12/10 17:46		208123
m,p-Xylenes	5.0	U	5.0	1	NA	7/12/10 17:46		208123

Client:	Energy Solutions	**Service Request:**	R1003551
Project:	Leica Wells July 2010	**Date Collected:**	7/ 6/10 0840
Sample Matrix:	Water	**Date Received:**	7/ 6/10
Sample Name:	MW 5	**Units:**	Percent
Lab Code:	R1003551-007	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	112	85-122	7/12/10 17:46	
Toluene-d8	102	87-121	7/12/10 17:46	
Dibromofluoromethane	113	89-119	7/12/10 17:46	

Client:	Energy Solutions	**Service Request:**	R1003551
Project:	Leica Wells July 2010	**Date Collected:**	7/ 6/10 0840
Sample Matrix:	Water	**Date Received:**	7/ 6/10
Sample Name:	MW 5 DISSOLVED		
Lab Code:	R1003551-008	**Basis:**	NA

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed
Iron, Dissolved	6010B	**160**		µg/L	100	1	7/12/10	7/16/10 15:22
Manganese, Dissolved	6010B	**33**		µg/L	10	1	7/12/10	7/16/10 15:22

Client: Energy Solutions
Project: Leica Wells July 2010
Sample Matrix: Water

Sample Name: MW 5A
Lab Code: R1003551-009

Service Request: R1003551
Date Collected: 7/ 6/10 0850
Date Received: 7/ 6/10

Basis: NA

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed
Carbon, Total Organic (TOC)	SM20 5310 C	**176**		mg/L	10	10	NA	7/16/10 00:56
Chloride	300.0	**96.0**		mg/L	2.0	10	NA	7/7/10 13:08
Nitrate as Nitrogen	300.0	0.50	U	mg/L	0.50	10	NA	7/7/10 13:08
Sulfate	300.0	**8.5**		mg/L	2.0	10	NA	7/7/10 13:08

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Energy Solutions	**Service Request:**	R1003551
Project:	Leica Wells July 2010	**Date Collected:**	7/ 6/10 0850
Sample Matrix:	Water	**Date Received:**	7/ 6/10
Sample Name:	MW 5A	**Units:**	µg/L
Lab Code:	R1003551-009	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot
Acetone	**32**		20	1	NA	7/12/10 18:24		208123
Benzene	5.0	U	5.0	1	NA	7/12/10 18:24		208123
Bromodichloromethane	5.0	U	5.0	1	NA	7/12/10 18:24		208123
Bromoform	5.0	U	5.0	1	NA	7/12/10 18:24		208123
Bromomethane	5.0	U	5.0	1	NA	7/12/10 18:24		208123
2-Butanone (MEK)	**120**		10	1	NA	7/12/10 18:24		208123
Carbon Disulfide	10	U	10	1	NA	7/12/10 18:24		208123
Carbon Tetrachloride	5.0	U	5.0	1	NA	7/12/10 18:24		208123
Chlorobenzene	5.0	U	5.0	1	NA	7/12/10 18:24		208123
Chloroethane	5.0	U	5.0	1	NA	7/12/10 18:24		208123
Chloroform	5.0	U	5.0	1	NA	7/12/10 18:24		208123
Chloromethane	5.0	U	5.0	1	NA	7/12/10 18:24		208123
Dibromochloromethane	5.0	U	5.0	1	NA	7/12/10 18:24		208123
1,1-Dichloroethane	5.0	U	5.0	1	NA	7/12/10 18:24		208123
1,2-Dichloroethane	5.0	U	5.0	1	NA	7/12/10 18:24		208123
1,1-Dichloroethene	5.0	U	5.0	1	NA	7/12/10 18:24		208123
cis-1,2-Dichloroethene	5.0	U	5.0	1	NA	7/12/10 18:24		208123
trans-1,2-Dichloroethene	5.0	U	5.0	1	NA	7/12/10 18:24		208123
1,2-Dichloropropane	5.0	U	5.0	1	NA	7/12/10 18:24		208123
cis-1,3-Dichloropropene	5.0	U	5.0	1	NA	7/12/10 18:24		208123
trans-1,3-Dichloropropene	5.0	U	5.0	1	NA	7/12/10 18:24		208123
Ethylbenzene	5.0	U	5.0	1	NA	7/12/10 18:24		208123
2-Hexanone	10	U	10	1	NA	7/12/10 18:24		208123
Methylene Chloride	5.0	U	5.0	1	NA	7/12/10 18:24		208123
4-Methyl-2-pentanone (MIBK)	10	U	10	1	NA	7/12/10 18:24		208123
Styrene	5.0	U	5.0	1	NA	7/12/10 18:24		208123
1,1,2,2-Tetrachloroethane	5.0	U	5.0	1	NA	7/12/10 18:24		208123
Tetrachloroethene	5.0	U	5.0	1	NA	7/12/10 18:24		208123
Toluene	5.0	U	5.0	1	NA	7/12/10 18:24		208123
1,1,1-Trichloroethane	5.0	U	5.0	1	NA	7/12/10 18:24		208123
1,1,2-Trichloroethane	5.0	U	5.0	1	NA	7/12/10 18:24		208123
Trichloroethene	5.0	U	5.0	1	NA	7/12/10 18:24		208123
Vinyl Chloride	**7.0**		5.0	1	NA	7/12/10 18:24		208123
o-Xylene	5.0	U	5.0	1	NA	7/12/10 18:24		208123
m,p-Xylenes	5.0	U	5.0	1	NA	7/12/10 18:24		208123

Client:	Energy Solutions	**Service Request:**	R1003551
Project:	Leica Wells July 2010	**Date Collected:**	7/ 6/10 0850
Sample Matrix:	Water	**Date Received:**	7/ 6/10
Sample Name:	MW 5A	**Units:**	Percent
Lab Code:	R1003551-009	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	109	85-122	7/12/10 18:24	
Toluene-d8	98	87-121	7/12/10 18:24	
Dibromofluoromethane	113	89-119	7/12/10 18:24	

Client:	Energy Solutions	**Service Request:**	R1003551
Project:	Leica Wells July 2010	**Date Collected:**	7/ 6/10 0850
Sample Matrix:	Water	**Date Received:**	7/ 6/10
Sample Name:	MW 5A DISSOLVED		
Lab Code:	R1003551-010	**Basis:**	NA

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed
Iron, Dissolved	6010B	**12500**		µg/L	100	1	7/12/10	7/16/10 15:28
Manganese, Dissolved	6010B	**87**		µg/L	10	1	7/12/10	7/16/10 15:28

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Energy Solutions	**Service Request:**	R1003551
Project:	Leica Wells July 2010	**Date Collected:**	7/ 6/10 0910
Sample Matrix:	Water	**Date Received:**	7/ 6/10
Sample Name:	MW 6		
Lab Code:	R1003551-011	**Basis:**	NA

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed
Carbon, Total Organic (TOC)	SM20 5310 C	**7.8**		mg/L	1.0	1	NA	7/19/10 18:11
Chloride	300.0	**8.2**		mg/L	2.0	10	NA	7/7/10 13:21
Nitrate as Nitrogen	300.0	0.50	U	mg/L	0.50	10	NA	7/7/10 13:21
Sulfate	300.0	**196**		mg/L	8.0	40	NA	7/8/10 18:53

Client:	Energy Solutions	**Service Request:**	R1003551
Project:	Leica Wells July 2010	**Date Collected:**	7/ 6/10 0910
Sample Matrix:	Water	**Date Received:**	7/ 6/10
Sample Name:	MW 6	**Units:**	µg/L
Lab Code:	R1003551-011	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot
Acetone	20	U	20	1	NA	7/12/10 19:02		208123
Benzene	5.0	U	5.0	1	NA	7/12/10 19:02		208123
Bromodichloromethane	5.0	U	5.0	1	NA	7/12/10 19:02		208123
Bromoform	5.0	U	5.0	1	NA	7/12/10 19:02		208123
Bromomethane	5.0	U	5.0	1	NA	7/12/10 19:02		208123
2-Butanone (MEK)	10	U	10	1	NA	7/12/10 19:02		208123
Carbon Disulfide	10	U	10	1	NA	7/12/10 19:02		208123
Carbon Tetrachloride	5.0	U	5.0	1	NA	7/12/10 19:02		208123
Chlorobenzene	5.0	U	5.0	1	NA	7/12/10 19:02		208123
Chloroethane	5.0	U	5.0	1	NA	7/12/10 19:02		208123
Chloroform	5.0	U	5.0	1	NA	7/12/10 19:02		208123
Chloromethane	5.0	U	5.0	1	NA	7/12/10 19:02		208123
Dibromochloromethane	5.0	U	5.0	1	NA	7/12/10 19:02		208123
1,1-Dichloroethane	5.0	U	5.0	1	NA	7/12/10 19:02		208123
1,2-Dichloroethane	5.0	U	5.0	1	NA	7/12/10 19:02		208123
1,1-Dichloroethene	5.0	U	5.0	1	NA	7/12/10 19:02		208123
cis-1,2-Dichloroethene	**120**		5.0	1	NA	7/12/10 19:02		208123
trans-1,2-Dichloroethene	5.0	U	5.0	1	NA	7/12/10 19:02		208123
1,2-Dichloropropane	5.0	U	5.0	1	NA	7/12/10 19:02		208123
cis-1,3-Dichloropropene	5.0	U	5.0	1	NA	7/12/10 19:02		208123
trans-1,3-Dichloropropene	5.0	U	5.0	1	NA	7/12/10 19:02		208123
Ethylbenzene	5.0	U	5.0	1	NA	7/12/10 19:02		208123
2-Hexanone	10	U	10	1	NA	7/12/10 19:02		208123
Methylene Chloride	5.0	U	5.0	1	NA	7/12/10 19:02		208123
4-Methyl-2-pentanone (MIBK)	10	U	10	1	NA	7/12/10 19:02		208123
Styrene	5.0	U	5.0	1	NA	7/12/10 19:02		208123
1,1,2,2-Tetrachloroethane	5.0	U	5.0	1	NA	7/12/10 19:02		208123
Tetrachloroethene	5.0	U	5.0	1	NA	7/12/10 19:02		208123
Toluene	5.0	U	5.0	1	NA	7/12/10 19:02		208123
1,1,1-Trichloroethane	5.0	U	5.0	1	NA	7/12/10 19:02		208123
1,1,2-Trichloroethane	5.0	U	5.0	1	NA	7/12/10 19:02		208123
Trichloroethene	**15**		5.0	1	NA	7/12/10 19:02		208123
Vinyl Chloride	**53**		5.0	1	NA	7/12/10 19:02		208123
o-Xylene	5.0	U	5.0	1	NA	7/12/10 19:02		208123
m,p-Xylenes	5.0	U	5.0	1	NA	7/12/10 19:02		208123

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Energy Solutions	**Service Request:**	R1003551
Project:	Leica Wells July 2010	**Date Collected:**	7/ 6/10 0910
Sample Matrix:	Water	**Date Received:**	7/ 6/10
Sample Name:	MW 6	**Units:**	Percent
Lab Code:	R1003551-011	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	114	85-122	7/12/10 19:02	
Toluene-d8	106	87-121	7/12/10 19:02	
Dibromofluoromethane	113	89-119	7/12/10 19:02	

Client:	Energy Solutions	**Service Request:**	R1003551
Project:	Leica Wells July 2010	**Date Collected:**	7/ 6/10 0910
Sample Matrix:	Water	**Date Received:**	7/ 6/10
Sample Name:	MW 6 DISSOLVED		
Lab Code:	R1003551-012	**Basis:**	NA

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed
Iron, Dissolved	6010B	**860**		µg/L	100	1	7/12/10	7/16/10 15:34
Manganese, Dissolved	6010B	**56**		µg/L	10	1	7/12/10	7/16/10 15:34

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Energy Solutions	**Service Request:**	R1003551
Project:	Leica Wells July 2010	**Date Collected:**	7/ 6/10 0920
Sample Matrix:	Water	**Date Received:**	7/ 6/10
Sample Name:	MW 6A		
Lab Code:	R1003551-013	**Basis:**	NA

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed
Carbon, Total Organic (TOC)	SM20 5310 C	**5.8**		mg/L	1.0	1	NA	7/19/10 18:45
Chloride	300.0	**11.7**		mg/L	2.0	10	NA	7/7/10 13:34
Nitrate as Nitrogen	300.0	0.50	U	mg/L	0.50	10	NA	7/7/10 13:34
Sulfate	300.0	**67.6**		mg/L	2.0	10	NA	7/7/10 13:34

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Energy Solutions	**Service Request:**	R1003551
Project:	Leica Wells July 2010	**Date Collected:**	7/ 6/10 0920
Sample Matrix:	Water	**Date Received:**	7/ 6/10
Sample Name:	MW 6A	**Units:**	µg/L
Lab Code:	R1003551-013	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot
Acetone	50	U	50	2.5	NA	7/12/10 19:40		208123
Benzene	13	U	13	2.5	NA	7/12/10 19:40		208123
Bromodichloromethane	13	U	13	2.5	NA	7/12/10 19:40		208123
Bromoform	13	U	13	2.5	NA	7/12/10 19:40		208123
Bromomethane	13	U	13	2.5	NA	7/12/10 19:40		208123
2-Butanone (MEK)	25	U	25	2.5	NA	7/12/10 19:40		208123
Carbon Disulfide	25	U	25	2.5	NA	7/12/10 19:40		208123
Carbon Tetrachloride	13	U	13	2.5	NA	7/12/10 19:40		208123
Chlorobenzene	13	U	13	2.5	NA	7/12/10 19:40		208123
Chloroethane	13	U	13	2.5	NA	7/12/10 19:40		208123
Chloroform	13	U	13	2.5	NA	7/12/10 19:40		208123
Chloromethane	13	U	13	2.5	NA	7/12/10 19:40		208123
Dibromochloromethane	13	U	13	2.5	NA	7/12/10 19:40		208123
1,1-Dichloroethane	13	U	13	2.5	NA	7/12/10 19:40		208123
1,2-Dichloroethane	13	U	13	2.5	NA	7/12/10 19:40		208123
1,1-Dichloroethene	13	U	13	2.5	NA	7/12/10 19:40		208123
cis-1,2-Dichloroethene	**380**		13	2.5	NA	7/12/10 19:40		208123
trans-1,2-Dichloroethene	13	U	13	2.5	NA	7/12/10 19:40		208123
1,2-Dichloropropane	13	U	13	2.5	NA	7/12/10 19:40		208123
cis-1,3-Dichloropropene	13	U	13	2.5	NA	7/12/10 19:40		208123
trans-1,3-Dichloropropene	13	U	13	2.5	NA	7/12/10 19:40		208123
Ethylbenzene	13	U	13	2.5	NA	7/12/10 19:40		208123
2-Hexanone	25	U	25	2.5	NA	7/12/10 19:40		208123
Methylene Chloride	13	U	13	2.5	NA	7/12/10 19:40		208123
4-Methyl-2-pentanone (MIBK)	25	U	25	2.5	NA	7/12/10 19:40		208123
Styrene	13	U	13	2.5	NA	7/12/10 19:40		208123
1,1,2,2-Tetrachloroethane	13	U	13	2.5	NA	7/12/10 19:40		208123
Tetrachloroethene	13	U	13	2.5	NA	7/12/10 19:40		208123
Toluene	13	U	13	2.5	NA	7/12/10 19:40		208123
1,1,1-Trichloroethane	13	U	13	2.5	NA	7/12/10 19:40		208123
1,1,2-Trichloroethane	13	U	13	2.5	NA	7/12/10 19:40		208123
Trichloroethene	13	U	13	2.5	NA	7/12/10 19:40		208123
Vinyl Chloride	**360**		13	2.5	NA	7/12/10 19:40		208123
o-Xylene	13	U	13	2.5	NA	7/12/10 19:40		208123
m,p-Xylenes	13	U	13	2.5	NA	7/12/10 19:40		208123

Client:	Energy Solutions	**Service Request:**	R1003551
Project:	Leica Wells July 2010	**Date Collected:**	7/ 6/10 0920
Sample Matrix:	Water	**Date Received:**	7/ 6/10
Sample Name:	MW 6A	**Units:**	Percent
Lab Code:	R1003551-013	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	110	85-122	7/12/10 19:40	
Toluene-d8	98	87-121	7/12/10 19:40	
Dibromofluoromethane	119	89-119	7/12/10 19:40	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Energy Solutions	**Service Request:**	R1003551
Project:	Leica Wells July 2010	**Date Collected:**	7/ 6/10 0920
Sample Matrix:	Water	**Date Received:**	7/ 6/10
Sample Name:	MW 6A DISSOLVED		
Lab Code:	R1003551-014	**Basis:**	NA

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed
Iron, Dissolved	6010B	**230**		µg/L	100	1	7/12/10	7/16/10 15:40
Manganese, Dissolved	6010B	**103**		µg/L	10	1	7/12/10	7/16/10 15:40

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Energy Solutions	**Service Request:**	R1003551
Project:	Leica Wells July 2010	**Date Collected:**	7/ 6/10 1005
Sample Matrix:	Water	**Date Received:**	7/ 6/10
Sample Name:	MW 16R		
Lab Code:	R1003551-015	**Basis:**	NA

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed
Carbon, Total Organic (TOC)	SM20 5310 C	**22.5**		mg/L	1.0	1	NA	7/19/10 19:03
Chloride	300.0	**511**		mg/L	20	100	NA	7/9/10 16:38
Nitrate as Nitrogen	300.0	0.50	U	mg/L	0.50	10	NA	7/7/10 14:13
Sulfate	300.0	**8.9**		mg/L	2.0	10	NA	7/7/10 14:13

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Energy Solutions	**Service Request:**	R1003551
Project:	Leica Wells July 2010	**Date Collected:**	7/ 6/10 1005
Sample Matrix:	Water	**Date Received:**	7/ 6/10
Sample Name:	MW 16R	**Units:**	µg/L
Lab Code:	R1003551-015	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot
Acetone	20	U	20	1	NA	7/13/10 03:03		208160
Benzene	5.0	U	5.0	1	NA	7/13/10 03:03		208160
Bromodichloromethane	5.0	U	5.0	1	NA	7/13/10 03:03		208160
Bromoform	5.0	U	5.0	1	NA	7/13/10 03:03		208160
Bromomethane	5.0	U	5.0	1	NA	7/13/10 03:03		208160
2-Butanone (MEK)	**14**		10	1	NA	7/13/10 03:03		208160
Carbon Disulfide	10	U	10	1	NA	7/13/10 03:03		208160
Carbon Tetrachloride	5.0	U	5.0	1	NA	7/13/10 03:03		208160
Chlorobenzene	5.0	U	5.0	1	NA	7/13/10 03:03		208160
Chloroethane	**340**	E	5.0	1	NA	7/13/10 03:03		208160
Chloroform	5.0	U	5.0	1	NA	7/13/10 03:03		208160
Chloromethane	5.0	U	5.0	1	NA	7/13/10 03:03		208160
Dibromochloromethane	5.0	U	5.0	1	NA	7/13/10 03:03		208160
1,1-Dichloroethane	**130**		5.0	1	NA	7/13/10 03:03		208160
1,2-Dichloroethane	5.0	U	5.0	1	NA	7/13/10 03:03		208160
1,1-Dichloroethene	5.0	U	5.0	1	NA	7/13/10 03:03		208160
cis-1,2-Dichloroethene	5.0	U	5.0	1	NA	7/13/10 03:03		208160
trans-1,2-Dichloroethene	5.0	U	5.0	1	NA	7/13/10 03:03		208160
1,2-Dichloropropane	5.0	U	5.0	1	NA	7/13/10 03:03		208160
cis-1,3-Dichloropropene	5.0	U	5.0	1	NA	7/13/10 03:03		208160
trans-1,3-Dichloropropene	5.0	U	5.0	1	NA	7/13/10 03:03		208160
Ethylbenzene	**52**		5.0	1	NA	7/13/10 03:03		208160
2-Hexanone	10	U	10	1	NA	7/13/10 03:03		208160
Methylene Chloride	5.0	U	5.0	1	NA	7/13/10 03:03		208160
4-Methyl-2-pentanone (MIBK)	10	U	10	1	NA	7/13/10 03:03		208160
Styrene	5.0	U	5.0	1	NA	7/13/10 03:03		208160
1,1,2,2-Tetrachloroethane	5.0	U	5.0	1	NA	7/13/10 03:03		208160
Tetrachloroethene	5.0	U	5.0	1	NA	7/13/10 03:03		208160
Toluene	5.0	U	5.0	1	NA	7/13/10 03:03		208160
1,1,1-Trichloroethane	5.0	U	5.0	1	NA	7/13/10 03:03		208160
1,1,2-Trichloroethane	5.0	U	5.0	1	NA	7/13/10 03:03		208160
Trichloroethene	5.0	U	5.0	1	NA	7/13/10 03:03		208160
Vinyl Chloride	5.0	U	5.0	1	NA	7/13/10 03:03		208160
o-Xylene	**52**		5.0	1	NA	7/13/10 03:03		208160
m,p-Xylenes	**110**		5.0	1	NA	7/13/10 03:03		208160

Client:	Energy Solutions	**Service Request:**	R1003551
Project:	Leica Wells July 2010	**Date Collected:**	7/ 6/10 1005
Sample Matrix:	Water	**Date Received:**	7/ 6/10
Sample Name:	MW 16R	**Units:**	Percent
Lab Code:	R1003551-015	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	112	85-122	7/13/10 03:03	
Toluene-d8	103	87-121	7/13/10 03:03	
Dibromofluoromethane	110	89-119	7/13/10 03:03	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Energy Solutions	**Service Request:**	R1003551
Project:	Leica Wells July 2010	**Date Collected:**	7/ 6/10 1005
Sample Matrix:	Water	**Date Received:**	7/ 6/10
Sample Name:	MW 16R	**Units:**	µg/L
Lab Code:	R1003551-015	**Basis:**	NA
Run Type:	Dilution		

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot
Acetone	40	U	40	2	NA	7/14/10 17:13		208370
Benzene	10	U	10	2	NA	7/14/10 17:13		208370
Bromodichloromethane	10	U	10	2	NA	7/14/10 17:13		208370
Bromoform	10	U	10	2	NA	7/14/10 17:13		208370
Bromomethane	10	U	10	2	NA	7/14/10 17:13		208370
2-Butanone (MEK)	20	U	20	2	NA	7/14/10 17:13		208370
Carbon Disulfide	20	U	20	2	NA	7/14/10 17:13		208370
Carbon Tetrachloride	10	U	10	2	NA	7/14/10 17:13		208370
Chlorobenzene	10	U	10	2	NA	7/14/10 17:13		208370
Chloroethane	**320**	D	10	2	NA	7/14/10 17:13		208370
Chloroform	10	U	10	2	NA	7/14/10 17:13		208370
Chloromethane	10	U	10	2	NA	7/14/10 17:13		208370
Dibromochloromethane	10	U	10	2	NA	7/14/10 17:13		208370
1,1-Dichloroethane	**110**	D	10	2	NA	7/14/10 17:13		208370
1,2-Dichloroethane	10	U	10	2	NA	7/14/10 17:13		208370
1,1-Dichloroethene	10	U	10	2	NA	7/14/10 17:13		208370
cis-1,2-Dichloroethene	10	U	10	2	NA	7/14/10 17:13		208370
trans-1,2-Dichloroethene	10	U	10	2	NA	7/14/10 17:13		208370
1,2-Dichloropropane	10	U	10	2	NA	7/14/10 17:13		208370
cis-1,3-Dichloropropene	10	U	10	2	NA	7/14/10 17:13		208370
trans-1,3-Dichloropropene	10	U	10	2	NA	7/14/10 17:13		208370
Ethylbenzene	**47**	D	10	2	NA	7/14/10 17:13		208370
2-Hexanone	20	U	20	2	NA	7/14/10 17:13		208370
Methylene Chloride	10	U	10	2	NA	7/14/10 17:13		208370
4-Methyl-2-pentanone (MIBK)	20	U	20	2	NA	7/14/10 17:13		208370
Styrene	10	U	10	2	NA	7/14/10 17:13		208370
1,1,2,2-Tetrachloroethane	10	U	10	2	NA	7/14/10 17:13		208370
Tetrachloroethene	10	U	10	2	NA	7/14/10 17:13		208370
Toluene	10	U	10	2	NA	7/14/10 17:13		208370
1,1,1-Trichloroethane	10	U	10	2	NA	7/14/10 17:13		208370
1,1,2-Trichloroethane	10	U	10	2	NA	7/14/10 17:13		208370
Trichloroethene	10	U	10	2	NA	7/14/10 17:13		208370
Vinyl Chloride	10	U	10	2	NA	7/14/10 17:13		208370
o-Xylene	**47**	D	10	2	NA	7/14/10 17:13		208370
m,p-Xylenes	**90**	D	10	2	NA	7/14/10 17:13		208370

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Energy Solutions	**Service Request:**	R1003551
Project:	Leica Wells July 2010	**Date Collected:**	7/ 6/10 1005
Sample Matrix:	Water	**Date Received:**	7/ 6/10
Sample Name:	MW 16R	**Units:**	Percent
Lab Code:	R1003551-015	**Basis:**	NA
Run Type:	Dilution		

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	112	85-122	7/14/10 17:13	
Toluene-d8	100	87-121	7/14/10 17:13	
Dibromofluoromethane	114	89-119	7/14/10 17:13	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Energy Solutions	**Service Request:**	R1003551
Project:	Leica Wells July 2010	**Date Collected:**	7/ 6/10 1005
Sample Matrix:	Water	**Date Received:**	7/ 6/10
Sample Name:	MW 16R DISSOLVED		
Lab Code:	R1003551-016	**Basis:**	NA

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed
Iron, Dissolved	6010B	**940**		µg/L	100	1	7/12/10	7/16/10 15:45
Manganese, Dissolved	6010B	**82**		µg/L	10	1	7/12/10	7/16/10 15:45

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Energy Solutions	**Service Request:**	R1003551
Project:	Leica Wells July 2010	**Date Collected:**	7/ 6/10 1030
Sample Matrix:	Water	**Date Received:**	7/ 6/10
Sample Name:	MW 16A		
Lab Code:	R1003551-017	**Basis:**	NA

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed
Carbon, Total Organic (TOC)	SM20 5310 C	**3.6**		mg/L	1.0	1	NA	7/19/10 19:38
Chloride	300.0	**216**		mg/L	8.0	40	NA	7/8/10 22:41
Nitrate as Nitrogen	300.0	0.50	U	mg/L	0.50	10	NA	7/8/10 12:16
Sulfate	300.0	**79.7**		mg/L	2.0	10	NA	7/7/10 14:26

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Energy Solutions	**Service Request:**	R1003551
Project:	Leica Wells July 2010	**Date Collected:**	7/ 6/10 1030
Sample Matrix:	Water	**Date Received:**	7/ 6/10
Sample Name:	MW 16A	**Units:**	µg/L
Lab Code:	R1003551-017	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot
Acetone	20	U	20	1	NA	7/13/10 03:40		208160
Benzene	5.0	U	5.0	1	NA	7/13/10 03:40		208160
Bromodichloromethane	5.0	U	5.0	1	NA	7/13/10 03:40		208160
Bromoform	5.0	U	5.0	1	NA	7/13/10 03:40		208160
Bromomethane	5.0	U	5.0	1	NA	7/13/10 03:40		208160
2-Butanone (MEK)	10	U	10	1	NA	7/13/10 03:40		208160
Carbon Disulfide	10	U	10	1	NA	7/13/10 03:40		208160
Carbon Tetrachloride	5.0	U	5.0	1	NA	7/13/10 03:40		208160
Chlorobenzene	5.0	U	5.0	1	NA	7/13/10 03:40		208160
Chloroethane	**12**		5.0	1	NA	7/13/10 03:40		208160
Chloroform	5.0	U	5.0	1	NA	7/13/10 03:40		208160
Chloromethane	5.0	U	5.0	1	NA	7/13/10 03:40		208160
Dibromochloromethane	5.0	U	5.0	1	NA	7/13/10 03:40		208160
1,1-Dichloroethane	**88**		5.0	1	NA	7/13/10 03:40		208160
1,2-Dichloroethane	5.0	U	5.0	1	NA	7/13/10 03:40		208160
1,1-Dichloroethene	**6.3**		5.0	1	NA	7/13/10 03:40		208160
cis-1,2-Dichloroethene	**820**	E	5.0	1	NA	7/13/10 03:40		208160
trans-1,2-Dichloroethene	**11**		5.0	1	NA	7/13/10 03:40		208160
1,2-Dichloropropane	5.0	U	5.0	1	NA	7/13/10 03:40		208160
cis-1,3-Dichloropropene	5.0	U	5.0	1	NA	7/13/10 03:40		208160
trans-1,3-Dichloropropene	5.0	U	5.0	1	NA	7/13/10 03:40		208160
Ethylbenzene	**5.9**		5.0	1	NA	7/13/10 03:40		208160
2-Hexanone	10	U	10	1	NA	7/13/10 03:40		208160
Methylene Chloride	5.0	U	5.0	1	NA	7/13/10 03:40		208160
4-Methyl-2-pentanone (MIBK)	10	U	10	1	NA	7/13/10 03:40		208160
Styrene	5.0	U	5.0	1	NA	7/13/10 03:40		208160
1,1,2,2-Tetrachloroethane	5.0	U	5.0	1	NA	7/13/10 03:40		208160
Tetrachloroethene	5.0	U	5.0	1	NA	7/13/10 03:40		208160
Toluene	5.0	U	5.0	1	NA	7/13/10 03:40		208160
1,1,1-Trichloroethane	**43**		5.0	1	NA	7/13/10 03:40		208160
1,1,2-Trichloroethane	5.0	U	5.0	1	NA	7/13/10 03:40		208160
Trichloroethene	**180**		5.0	1	NA	7/13/10 03:40		208160
Vinyl Chloride	**200**	E	5.0	1	NA	7/13/10 03:40		208160
o-Xylene	5.0	U	5.0	1	NA	7/13/10 03:40		208160
m,p-Xylenes	**6.5**		5.0	1	NA	7/13/10 03:40		208160

Client:	Energy Solutions	**Service Request:**	R1003551
Project:	Leica Wells July 2010	**Date Collected:**	7/ 6/10 1030
Sample Matrix:	Water	**Date Received:**	7/ 6/10
Sample Name:	MW 16A	**Units:**	Percent
Lab Code:	R1003551-017	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	111	85-122	7/13/10 03:40	
Toluene-d8	102	87-121	7/13/10 03:40	
Dibromofluoromethane	112	89-119	7/13/10 03:40	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Energy Solutions
Project: Leica Wells July 2010
Sample Matrix: Water

Service Request: R1003551
Date Collected: 7/ 6/10 1030
Date Received: 7/ 6/10

Sample Name: MW 16A
Lab Code: R1003551-017
Run Type: Dilution

Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot
Acetone	100	U	100	5	NA	7/14/10 17:51		208370
Benzene	25	U	25	5	NA	7/14/10 17:51		208370
Bromodichloromethane	25	U	25	5	NA	7/14/10 17:51		208370
Bromoform	25	U	25	5	NA	7/14/10 17:51		208370
Bromomethane	25	U	25	5	NA	7/14/10 17:51		208370
2-Butanone (MEK)	50	U	50	5	NA	7/14/10 17:51		208370
Carbon Disulfide	50	U	50	5	NA	7/14/10 17:51		208370
Carbon Tetrachloride	25	U	25	5	NA	7/14/10 17:51		208370
Chlorobenzene	25	U	25	5	NA	7/14/10 17:51		208370
Chloroethane	25	U	25	5	NA	7/14/10 17:51		208370
Chloroform	25	U	25	5	NA	7/14/10 17:51		208370
Chloromethane	25	U	25	5	NA	7/14/10 17:51		208370
Dibromochloromethane	25	U	25	5	NA	7/14/10 17:51		208370
1,1-Dichloroethane	**78**	D	25	5	NA	7/14/10 17:51		208370
1,2-Dichloroethane	25	U	25	5	NA	7/14/10 17:51		208370
1,1-Dichloroethene	25	U	25	5	NA	7/14/10 17:51		208370
cis-1,2-Dichloroethene	**850**	D	25	5	NA	7/14/10 17:51		208370
trans-1,2-Dichloroethene	25	U	25	5	NA	7/14/10 17:51		208370
1,2-Dichloropropane	25	U	25	5	NA	7/14/10 17:51		208370
cis-1,3-Dichloropropene	25	U	25	5	NA	7/14/10 17:51		208370
trans-1,3-Dichloropropene	25	U	25	5	NA	7/14/10 17:51		208370
Ethylbenzene	25	U	25	5	NA	7/14/10 17:51		208370
2-Hexanone	50	U	50	5	NA	7/14/10 17:51		208370
Methylene Chloride	25	U	25	5	NA	7/14/10 17:51		208370
4-Methyl-2-pentanone (MIBK)	50	U	50	5	NA	7/14/10 17:51		208370
Styrene	25	U	25	5	NA	7/14/10 17:51		208370
1,1,2,2-Tetrachloroethane	25	U	25	5	NA	7/14/10 17:51		208370
Tetrachloroethene	25	U	25	5	NA	7/14/10 17:51		208370
Toluene	25	U	25	5	NA	7/14/10 17:51		208370
1,1,1-Trichloroethane	**39**	D	25	5	NA	7/14/10 17:51		208370
1,1,2-Trichloroethane	25	U	25	5	NA	7/14/10 17:51		208370
Trichloroethene	**160**	D	25	5	NA	7/14/10 17:51		208370
Vinyl Chloride	**160**	D	25	5	NA	7/14/10 17:51		208370
o-Xylene	25	U	25	5	NA	7/14/10 17:51		208370
m,p-Xylenes	25	U	25	5	NA	7/14/10 17:51		208370

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Energy Solutions	**Service Request:**	R1003551
Project:	Leica Wells July 2010	**Date Collected:**	7/ 6/10 1030
Sample Matrix:	Water	**Date Received:**	7/ 6/10
Sample Name:	MW 16A	**Units:**	Percent
Lab Code:	R1003551-017	**Basis:**	NA
Run Type:	Dilution		

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	115	85-122	7/14/10 17:51	
Toluene-d8	108	87-121	7/14/10 17:51	
Dibromofluoromethane	109	89-119	7/14/10 17:51	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Energy Solutions	**Service Request:**	R1003551
Project:	Leica Wells July 2010	**Date Collected:**	7/ 6/10 1030
Sample Matrix:	Water	**Date Received:**	7/ 6/10
Sample Name:	MW 16A DISSOLVED		
Lab Code:	R1003551-018	**Basis:**	NA

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed
Iron, Dissolved	6010B	**130**		µg/L	100	1	7/12/10	7/16/10 15:51
Manganese, Dissolved	6010B	**68**		µg/L	10	1	7/12/10	7/16/10 15:51

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Energy Solutions	**Service Request:**	R1003551
Project:	Leica Wells July 2010	**Date Collected:**	7/ 6/10 1045
Sample Matrix:	Water	**Date Received:**	7/ 6/10
Sample Name:	MW 11A		
Lab Code:	R1003551-019	**Basis:**	NA

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed
Carbon, Total Organic (TOC)	SM20 5310 C	**3.9**		mg/L	1.0	1	NA	7/19/10 20:12
Chloride	300.0	**107**		mg/L	4.0	20	NA	7/8/10 22:53
Nitrate as Nitrogen	300.0	0.50	U	mg/L	0.50	10	NA	7/7/10 14:39
Sulfate	300.0	**74.8**		mg/L	2.0	10	NA	7/7/10 14:39

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Energy Solutions	**Service Request:**	R1003551
Project:	Leica Wells July 2010	**Date Collected:**	7/ 6/10 1045
Sample Matrix:	Water	**Date Received:**	7/ 6/10
Sample Name:	MW 11A	**Units:**	µg/L
Lab Code:	R1003551-019	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot
Acetone	50	U	50	2.5	NA	7/13/10 04:18		208160
Benzene	13	U	13	2.5	NA	7/13/10 04:18		208160
Bromodichloromethane	13	U	13	2.5	NA	7/13/10 04:18		208160
Bromoform	13	U	13	2.5	NA	7/13/10 04:18		208160
Bromomethane	13	U	13	2.5	NA	7/13/10 04:18		208160
2-Butanone (MEK)	25	U	25	2.5	NA	7/13/10 04:18		208160
Carbon Disulfide	25	U	25	2.5	NA	7/13/10 04:18		208160
Carbon Tetrachloride	13	U	13	2.5	NA	7/13/10 04:18		208160
Chlorobenzene	13	U	13	2.5	NA	7/13/10 04:18		208160
Chloroethane	13	U	13	2.5	NA	7/13/10 04:18		208160
Chloroform	13	U	13	2.5	NA	7/13/10 04:18		208160
Chloromethane	13	U	13	2.5	NA	7/13/10 04:18		208160
Dibromochloromethane	13	U	13	2.5	NA	7/13/10 04:18		208160
1,1-Dichloroethane	13	U	13	2.5	NA	7/13/10 04:18		208160
1,2-Dichloroethane	13	U	13	2.5	NA	7/13/10 04:18		208160
1,1-Dichloroethene	13	U	13	2.5	NA	7/13/10 04:18		208160
cis-1,2-Dichloroethene	**270**		13	2.5	NA	7/13/10 04:18		208160
trans-1,2-Dichloroethene	13	U	13	2.5	NA	7/13/10 04:18		208160
1,2-Dichloropropane	13	U	13	2.5	NA	7/13/10 04:18		208160
cis-1,3-Dichloropropene	13	U	13	2.5	NA	7/13/10 04:18		208160
trans-1,3-Dichloropropene	13	U	13	2.5	NA	7/13/10 04:18		208160
Ethylbenzene	13	U	13	2.5	NA	7/13/10 04:18		208160
2-Hexanone	25	U	25	2.5	NA	7/13/10 04:18		208160
Methylene Chloride	13	U	13	2.5	NA	7/13/10 04:18		208160
4-Methyl-2-pentanone (MIBK)	25	U	25	2.5	NA	7/13/10 04:18		208160
Styrene	13	U	13	2.5	NA	7/13/10 04:18		208160
1,1,2,2-Tetrachloroethane	13	U	13	2.5	NA	7/13/10 04:18		208160
Tetrachloroethene	13	U	13	2.5	NA	7/13/10 04:18		208160
Toluene	13	U	13	2.5	NA	7/13/10 04:18		208160
1,1,1-Trichloroethane	13	U	13	2.5	NA	7/13/10 04:18		208160
1,1,2-Trichloroethane	13	U	13	2.5	NA	7/13/10 04:18		208160
Trichloroethene	13	U	13	2.5	NA	7/13/10 04:18		208160
Vinyl Chloride	**280**		13	2.5	NA	7/13/10 04:18		208160
o-Xylene	13	U	13	2.5	NA	7/13/10 04:18		208160
m,p-Xylenes	13	U	13	2.5	NA	7/13/10 04:18		208160

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Energy Solutions	**Service Request:**	R1003551
Project:	Leica Wells July 2010	**Date Collected:**	7/ 6/10 1045
Sample Matrix:	Water	**Date Received:**	7/ 6/10
Sample Name:	MW 11A	**Units:**	Percent
Lab Code:	R1003551-019	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	112	85-122	7/13/10 04:18	
Toluene-d8	105	87-121	7/13/10 04:18	
Dibromofluoromethane	112	89-119	7/13/10 04:18	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Energy Solutions	**Service Request:**	R1003551
Project:	Leica Wells July 2010	**Date Collected:**	7/ 6/10 1045
Sample Matrix:	Water	**Date Received:**	7/ 6/10
Sample Name:	MW 11A DISSOLVED		
Lab Code:	R1003551-020	**Basis:**	NA

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed
Iron, Dissolved	6010B	160		µg/L	100	1	7/12/10	7/16/10 15:57
Manganese, Dissolved	6010B	67		µg/L	10	1	7/12/10	7/16/10 15:57

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Energy Solutions	**Service Request:**	R1003551
Project:	Leica Wells July 2010	**Date Collected:**	7/ 6/10 1200
Sample Matrix:	Water	**Date Received:**	7/ 6/10
Sample Name:	MW 24A		
Lab Code:	R1003551-021	**Basis:**	NA

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed
Carbon, Total Organic (TOC)	SM20 5310 C	**73.2**		mg/L	4.0	4	NA	7/19/10 20:46
Chloride	300.0	**288**		mg/L	8.0	40	NA	7/8/10 23:05
Nitrate as Nitrogen	300.0	0.50	U	mg/L	0.50	10	NA	7/8/10 12:52
Sulfate	300.0	2.0	U	mg/L	2.0	10	NA	7/7/10 14:52

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Energy Solutions	**Service Request:**	R1003551
Project:	Leica Wells July 2010	**Date Collected:**	7/ 6/10 1200
Sample Matrix:	Water	**Date Received:**	7/ 6/10
Sample Name:	MW 24A	**Units:**	µg/L
Lab Code:	R1003551-021	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot
Acetone	**31**		20	1	NA	7/13/10 04:56		208160
Benzene	5.0	U	5.0	1	NA	7/13/10 04:56		208160
Bromodichloromethane	5.0	U	5.0	1	NA	7/13/10 04:56		208160
Bromoform	5.0	U	5.0	1	NA	7/13/10 04:56		208160
Bromomethane	5.0	U	5.0	1	NA	7/13/10 04:56		208160
2-Butanone (MEK)	**130**		10	1	NA	7/13/10 04:56		208160
Carbon Disulfide	10	U	10	1	NA	7/13/10 04:56		208160
Carbon Tetrachloride	5.0	U	5.0	1	NA	7/13/10 04:56		208160
Chlorobenzene	5.0	U	5.0	1	NA	7/13/10 04:56		208160
Chloroethane	**8.1**		5.0	1	NA	7/13/10 04:56		208160
Chloroform	5.0	U	5.0	1	NA	7/13/10 04:56		208160
Chloromethane	5.0	U	5.0	1	NA	7/13/10 04:56		208160
Dibromochloromethane	5.0	U	5.0	1	NA	7/13/10 04:56		208160
1,1-Dichloroethane	**69**		5.0	1	NA	7/13/10 04:56		208160
1,2-Dichloroethane	5.0	U	5.0	1	NA	7/13/10 04:56		208160
1,1-Dichloroethene	5.0	U	5.0	1	NA	7/13/10 04:56		208160
cis-1,2-Dichloroethene	**36**		5.0	1	NA	7/13/10 04:56		208160
trans-1,2-Dichloroethene	5.0	U	5.0	1	NA	7/13/10 04:56		208160
1,2-Dichloropropane	5.0	U	5.0	1	NA	7/13/10 04:56		208160
cis-1,3-Dichloropropene	5.0	U	5.0	1	NA	7/13/10 04:56		208160
trans-1,3-Dichloropropene	5.0	U	5.0	1	NA	7/13/10 04:56		208160
Ethylbenzene	5.0	U	5.0	1	NA	7/13/10 04:56		208160
2-Hexanone	10	U	10	1	NA	7/13/10 04:56		208160
Methylene Chloride	5.0	U	5.0	1	NA	7/13/10 04:56		208160
4-Methyl-2-pentanone (MIBK)	10	U	10	1	NA	7/13/10 04:56		208160
Styrene	5.0	U	5.0	1	NA	7/13/10 04:56		208160
1,1,2,2-Tetrachloroethane	5.0	U	5.0	1	NA	7/13/10 04:56		208160
Tetrachloroethene	5.0	U	5.0	1	NA	7/13/10 04:56		208160
Toluene	5.0	U	5.0	1	NA	7/13/10 04:56		208160
1,1,1-Trichloroethane	5.0	U	5.0	1	NA	7/13/10 04:56		208160
1,1,2-Trichloroethane	5.0	U	5.0	1	NA	7/13/10 04:56		208160
Trichloroethene	5.0	U	5.0	1	NA	7/13/10 04:56		208160
Vinyl Chloride	**64**		5.0	1	NA	7/13/10 04:56		208160
o-Xylene	5.0	U	5.0	1	NA	7/13/10 04:56		208160
m,p-Xylenes	5.0	U	5.0	1	NA	7/13/10 04:56		208160

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Energy Solutions	**Service Request:**	R1003551
Project:	Leica Wells July 2010	**Date Collected:**	7/ 6/10 1200
Sample Matrix:	Water	**Date Received:**	7/ 6/10
Sample Name:	MW 24A	**Units:**	Percent
Lab Code:	R1003551-021	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	110	85-122	7/13/10 04:56	
Toluene-d8	101	87-121	7/13/10 04:56	
Dibromofluoromethane	111	89-119	7/13/10 04:56	

Client:	Energy Solutions	**Service Request:**	R1003551
Project:	Leica Wells July 2010	**Date Collected:**	7/ 6/10 1200
Sample Matrix:	Water	**Date Received:**	7/ 6/10
Sample Name:	MW 24A DISSOLVED		
Lab Code:	R1003551-022	**Basis:**	NA

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed
Iron, Dissolved	6010B	**16500**		µg/L	100	1	7/12/10	7/16/10 16:03
Manganese, Dissolved	6010B	**171**		µg/L	10	1	7/12/10	7/16/10 16:03

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Energy Solutions	**Service Request:**	R1003551
Project:	Leica Wells July 2010	**Date Collected:**	7/ 6/10 1215
Sample Matrix:	Water	**Date Received:**	7/ 6/10
Sample Name:	MW 24		
Lab Code:	R1003551-023	**Basis:**	NA

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed
Carbon, Total Organic (TOC)	SM20 5310 C	**1430**		mg/L	100	100	NA	7/19/10 21:21
Chloride	300.0	**237**		mg/L	8.0	40	NA	7/9/10 16:52
Nitrate as Nitrogen	300.0	0.50	U	mg/L	0.50	10	NA	7/8/10 13:04
Sulfate	300.0	**5.8**		mg/L	2.0	10	NA	7/7/10 15:32

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Energy Solutions	**Service Request:**	R1003551
Project:	Leica Wells July 2010	**Date Collected:**	7/ 6/10 1215
Sample Matrix:	Water	**Date Received:**	7/ 6/10
Sample Name:	MW 24	**Units:**	µg/L
Lab Code:	R1003551-023	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot
Acetone	**500**	E	20	1	NA	7/13/10 05:33		208160
Benzene	**140**		5.0	1	NA	7/13/10 05:33		208160
Bromodichloromethane	5.0	U	5.0	1	NA	7/13/10 05:33		208160
Bromoform	5.0	U	5.0	1	NA	7/13/10 05:33		208160
Bromomethane	5.0	U	5.0	1	NA	7/13/10 05:33		208160
2-Butanone (MEK)	**2600**	E	10	1	NA	7/13/10 05:33		208160
Carbon Disulfide	10	U	10	1	NA	7/13/10 05:33		208160
Carbon Tetrachloride	5.0	U	5.0	1	NA	7/13/10 05:33		208160
Chlorobenzene	5.0	U	5.0	1	NA	7/13/10 05:33		208160
Chloroethane	**27**		5.0	1	NA	7/13/10 05:33		208160
Chloroform	5.0	U	5.0	1	NA	7/13/10 05:33		208160
Chloromethane	5.0	U	5.0	1	NA	7/13/10 05:33		208160
Dibromochloromethane	5.0	U	5.0	1	NA	7/13/10 05:33		208160
1,1-Dichloroethane	**860**	E	5.0	1	NA	7/13/10 05:33		208160
1,2-Dichloroethane	5.0	U	5.0	1	NA	7/13/10 05:33		208160
1,1-Dichloroethene	5.0	U	5.0	1	NA	7/13/10 05:33		208160
cis-1,2-Dichloroethene	**85**		5.0	1	NA	7/13/10 05:33		208160
trans-1,2-Dichloroethene	5.0	U	5.0	1	NA	7/13/10 05:33		208160
1,2-Dichloropropane	5.0	U	5.0	1	NA	7/13/10 05:33		208160
cis-1,3-Dichloropropene	5.0	U	5.0	1	NA	7/13/10 05:33		208160
trans-1,3-Dichloropropene	5.0	U	5.0	1	NA	7/13/10 05:33		208160
Ethylbenzene	5.0	U	5.0	1	NA	7/13/10 05:33		208160
2-Hexanone	10	U	10	1	NA	7/13/10 05:33		208160
Methylene Chloride	5.0	U	5.0	1	NA	7/13/10 05:33		208160
4-Methyl-2-pentanone (MIBK)	10	U	10	1	NA	7/13/10 05:33		208160
Styrene	5.0	U	5.0	1	NA	7/13/10 05:33		208160
1,1,2,2-Tetrachloroethane	5.0	U	5.0	1	NA	7/13/10 05:33		208160
Tetrachloroethene	5.0	U	5.0	1	NA	7/13/10 05:33		208160
Toluene	5.0	U	5.0	1	NA	7/13/10 05:33		208160
1,1,1-Trichloroethane	5.0	U	5.0	1	NA	7/13/10 05:33		208160
1,1,2-Trichloroethane	5.0	U	5.0	1	NA	7/13/10 05:33		208160
Trichloroethene	5.0	U	5.0	1	NA	7/13/10 05:33		208160
Vinyl Chloride	**1200**	E	5.0	1	NA	7/13/10 05:33		208160
o-Xylene	5.0	U	5.0	1	NA	7/13/10 05:33		208160
m,p-Xylenes	5.0	U	5.0	1	NA	7/13/10 05:33		208160

Client:	Energy Solutions	**Service Request:**	R1003551
Project:	Leica Wells July 2010	**Date Collected:**	7/ 6/10 1215
Sample Matrix:	Water	**Date Received:**	7/ 6/10
Sample Name:	MW 24	**Units:**	Percent
Lab Code:	R1003551-023	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	112	85-122	7/13/10 05:33	
Toluene-d8	105	87-121	7/13/10 05:33	
Dibromofluoromethane	114	89-119	7/13/10 05:33	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Energy Solutions
Project: Leica Wells July 2010
Sample Matrix: Water

Service Request: R1003551
Date Collected: 7/ 6/10 1215
Date Received: 7/ 6/10

Sample Name: MW 24
Lab Code: R1003551-023
Run Type: Dilution

Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot
Acetone	**470**	D	400	20	NA	7/14/10 18:29		208370
Benzene	**120**	D	100	20	NA	7/14/10 18:29		208370
Bromodichloromethane	100	U	100	20	NA	7/14/10 18:29		208370
Bromoform	100	U	100	20	NA	7/14/10 18:29		208370
Bromomethane	100	U	100	20	NA	7/14/10 18:29		208370
2-Butanone (MEK)	**2600**	D	200	20	NA	7/14/10 18:29		208370
Carbon Disulfide	200	U	200	20	NA	7/14/10 18:29		208370
Carbon Tetrachloride	100	U	100	20	NA	7/14/10 18:29		208370
Chlorobenzene	100	U	100	20	NA	7/14/10 18:29		208370
Chloroethane	100	U	100	20	NA	7/14/10 18:29		208370
Chloroform	100	U	100	20	NA	7/14/10 18:29		208370
Chloromethane	100	U	100	20	NA	7/14/10 18:29		208370
Dibromochloromethane	100	U	100	20	NA	7/14/10 18:29		208370
1,1-Dichloroethane	**830**	D	100	20	NA	7/14/10 18:29		208370
1,2-Dichloroethane	100	U	100	20	NA	7/14/10 18:29		208370
1,1-Dichloroethene	100	U	100	20	NA	7/14/10 18:29		208370
cis-1,2-Dichloroethene	100	U	100	20	NA	7/14/10 18:29		208370
trans-1,2-Dichloroethene	100	U	100	20	NA	7/14/10 18:29		208370
1,2-Dichloropropane	100	U	100	20	NA	7/14/10 18:29		208370
cis-1,3-Dichloropropene	100	U	100	20	NA	7/14/10 18:29		208370
trans-1,3-Dichloropropene	100	U	100	20	NA	7/14/10 18:29		208370
Ethylbenzene	100	U	100	20	NA	7/14/10 18:29		208370
2-Hexanone	200	U	200	20	NA	7/14/10 18:29		208370
Methylene Chloride	100	U	100	20	NA	7/14/10 18:29		208370
4-Methyl-2-pentanone (MIBK)	200	U	200	20	NA	7/14/10 18:29		208370
Styrene	100	U	100	20	NA	7/14/10 18:29		208370
1,1,2,2-Tetrachloroethane	100	U	100	20	NA	7/14/10 18:29		208370
Tetrachloroethene	100	U	100	20	NA	7/14/10 18:29		208370
Toluene	100	U	100	20	NA	7/14/10 18:29		208370
1,1,1-Trichloroethane	100	U	100	20	NA	7/14/10 18:29		208370
1,1,2-Trichloroethane	100	U	100	20	NA	7/14/10 18:29		208370
Trichloroethene	100	U	100	20	NA	7/14/10 18:29		208370
Vinyl Chloride	**1200**	D	100	20	NA	7/14/10 18:29		208370
o-Xylene	100	U	100	20	NA	7/14/10 18:29		208370
m,p-Xylenes	100	U	100	20	NA	7/14/10 18:29		208370

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Energy Solutions	**Service Request:**	R1003551
Project:	Leica Wells July 2010	**Date Collected:**	7/ 6/10 1215
Sample Matrix:	Water	**Date Received:**	7/ 6/10
Sample Name:	MW 24	**Units:**	Percent
Lab Code:	R1003551-023	**Basis:**	NA
Run Type:	Dilution		

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	112	85-122	7/14/10 18:29	
Toluene-d8	107	87-121	7/14/10 18:29	
Dibromofluoromethane	109	89-119	7/14/10 18:29	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Energy Solutions	**Service Request:**	R1003551
Project:	Leica Wells July 2010	**Date Collected:**	7/ 6/10 1215
Sample Matrix:	Water	**Date Received:**	7/ 6/10
Sample Name:	MW 24 DISSOLVED		
Lab Code:	R1003551-024	**Basis:**	NA

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed
Iron, Dissolved	6010B	**6000**		µg/L	100	1	7/12/10	7/16/10 16:09
Manganese, Dissolved	6010B	**167**		µg/L	10	1	7/12/10	7/16/10 16:09

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Energy Solutions	**Service Request:**	R1003551
Project:	Leica Wells July 2010	**Date Collected:**	7/ 6/10
Sample Matrix:	Water	**Date Received:**	7/ 6/10
Sample Name:	Trip Blank	**Units:**	µg/L
Lab Code:	R1003551-025	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot
Acetone	20	U	20	1	NA	7/14/10 15:20		208370
Benzene	5.0	U	5.0	1	NA	7/14/10 15:20		208370
Bromodichloromethane	5.0	U	5.0	1	NA	7/14/10 15:20		208370
Bromoform	5.0	U	5.0	1	NA	7/14/10 15:20		208370
Bromomethane	5.0	U	5.0	1	NA	7/14/10 15:20		208370
2-Butanone (MEK)	10	U	10	1	NA	7/14/10 15:20		208370
Carbon Disulfide	10	U	10	1	NA	7/14/10 15:20		208370
Carbon Tetrachloride	5.0	U	5.0	1	NA	7/14/10 15:20		208370
Chlorobenzene	5.0	U	5.0	1	NA	7/14/10 15:20		208370
Chloroethane	5.0	U	5.0	1	NA	7/14/10 15:20		208370
Chloroform	5.0	U	5.0	1	NA	7/14/10 15:20		208370
Chloromethane	5.0	U	5.0	1	NA	7/14/10 15:20		208370
Dibromochloromethane	5.0	U	5.0	1	NA	7/14/10 15:20		208370
1,1-Dichloroethane	5.0	U	5.0	1	NA	7/14/10 15:20		208370
1,2-Dichloroethane	5.0	U	5.0	1	NA	7/14/10 15:20		208370
1,1-Dichloroethene	5.0	U	5.0	1	NA	7/14/10 15:20		208370
cis-1,2-Dichloroethene	5.0	U	5.0	1	NA	7/14/10 15:20		208370
trans-1,2-Dichloroethene	5.0	U	5.0	1	NA	7/14/10 15:20		208370
1,2-Dichloropropane	5.0	U	5.0	1	NA	7/14/10 15:20		208370
cis-1,3-Dichloropropene	5.0	U	5.0	1	NA	7/14/10 15:20		208370
trans-1,3-Dichloropropene	5.0	U	5.0	1	NA	7/14/10 15:20		208370
Ethylbenzene	5.0	U	5.0	1	NA	7/14/10 15:20		208370
2-Hexanone	10	U	10	1	NA	7/14/10 15:20		208370
Methylene Chloride	5.0	U	5.0	1	NA	7/14/10 15:20		208370
4-Methyl-2-pentanone (MIBK)	10	U	10	1	NA	7/14/10 15:20		208370
Styrene	5.0	U	5.0	1	NA	7/14/10 15:20		208370
1,1,2,2-Tetrachloroethane	5.0	U	5.0	1	NA	7/14/10 15:20		208370
Tetrachloroethene	5.0	U	5.0	1	NA	7/14/10 15:20		208370
Toluene	5.0	U	5.0	1	NA	7/14/10 15:20		208370
1,1,1-Trichloroethane	5.0	U	5.0	1	NA	7/14/10 15:20		208370
1,1,2-Trichloroethane	5.0	U	5.0	1	NA	7/14/10 15:20		208370
Trichloroethene	5.0	U	5.0	1	NA	7/14/10 15:20		208370
Vinyl Chloride	5.0	U	5.0	1	NA	7/14/10 15:20		208370
o-Xylene	5.0	U	5.0	1	NA	7/14/10 15:20		208370
m,p-Xylenes	5.0	U	5.0	1	NA	7/14/10 15:20		208370

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Energy Solutions	**Service Request:**	R1003551
Project:	Leica Wells July 2010	**Date Collected:**	7/ 6/10
Sample Matrix:	Water	**Date Received:**	7/ 6/10
Sample Name:	Trip Blank	**Units:**	Percent
Lab Code:	R1003551-025	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	112	85-122	7/14/10 15:20	
Toluene-d8	107	87-121	7/14/10 15:20	
Dibromofluoromethane	111	89-119	7/14/10 15:20	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Energy Solutions	**Service Request:**	R1003551
Project:	Leica Wells July 2010	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank		
Lab Code:	R1003551-MB1	**Basis:**	NA

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed
Carbon, Total Organic (TOC)	SM20 5310 C	1.0	U	mg/L	1.0	1	NA	7/15/10 22:14
Chloride	300.0	0.20	U	mg/L	0.20	1	NA	7/7/10 11:23
Nitrate as Nitrogen	300.0	0.050	U	mg/L	0.050	1	NA	7/7/10 11:23
Sulfate	300.0	0.20	U	mg/L	0.20	1	NA	7/7/10 11:23

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Energy Solutions	**Service Request:**	R1003551
Project:	Leica Wells July 2010	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank		
Lab Code:	R1003551-MB2	**Basis:**	NA

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed
Carbon, Total Organic (TOC)	SM20 5310 C	1.0	U	mg/L	1.0	1	NA	7/19/10 15:37
Chloride	300.0	0.20	U	mg/L	0.20	1	NA	7/8/10 19:53
Nitrate as Nitrogen	300.0	0.050	U	mg/L	0.050	1	NA	7/8/10 10:15
Sulfate	300.0	0.20	U	mg/L	0.20	1	NA	7/8/10 15:04

Client:	Energy Solutions	**Service Request:**	R1003551
Project:	Leica Wells July 2010	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank		
Lab Code:	R1003551-MB3	**Basis:**	NA

Chloride

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed
Chloride	300.0	0.20	U	mg/L	0.20	1	NA	7/9/10 12:43

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Energy Solutions	**Service Request:**	R1003551
Project:	Leica Wells July 2010	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank		
Lab Code:	R1003551-MB1	**Basis:**	NA

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed
Iron, Dissolved	6010B	100	U	µg/L	100	1	7/12/10	7/16/10 14:12
Manganese, Dissolved	6010B	10	U	µg/L	10	1	7/12/10	7/16/10 14:12

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Energy Solutions	**Service Request:**	R1003551
Project:	Leica Wells July 2010	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank		
Lab Code:	R1003551-MB2	**Basis:**	NA

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed
Iron, Dissolved	6010B	100	U	µg/L	100	1	7/12/10	7/16/10 14:24
Manganese, Dissolved	6010B	10	U	µg/L	10	1	7/12/10	7/16/10 14:24

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Energy Solutions	**Service Request:**	R1003551
Project:	Leica Wells July 2010	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	µg/L
Lab Code:	RQ1005593-01	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot
Acetone	20	U	20	1	NA	7/12/10 13:59		208123
Benzene	5.0	U	5.0	1	NA	7/12/10 13:59		208123
Bromodichloromethane	5.0	U	5.0	1	NA	7/12/10 13:59		208123
Bromoform	5.0	U	5.0	1	NA	7/12/10 13:59		208123
Bromomethane	5.0	U	5.0	1	NA	7/12/10 13:59		208123
2-Butanone (MEK)	10	U	10	1	NA	7/12/10 13:59		208123
Carbon Disulfide	10	U	10	1	NA	7/12/10 13:59		208123
Carbon Tetrachloride	5.0	U	5.0	1	NA	7/12/10 13:59		208123
Chlorobenzene	5.0	U	5.0	1	NA	7/12/10 13:59		208123
Chloroethane	5.0	U	5.0	1	NA	7/12/10 13:59		208123
Chloroform	5.0	U	5.0	1	NA	7/12/10 13:59		208123
Chloromethane	5.0	U	5.0	1	NA	7/12/10 13:59		208123
Dibromochloromethane	5.0	U	5.0	1	NA	7/12/10 13:59		208123
1,1-Dichloroethane	5.0	U	5.0	1	NA	7/12/10 13:59		208123
1,2-Dichloroethane	5.0	U	5.0	1	NA	7/12/10 13:59		208123
1,1-Dichloroethene	5.0	U	5.0	1	NA	7/12/10 13:59		208123
cis-1,2-Dichloroethene	5.0	U	5.0	1	NA	7/12/10 13:59		208123
trans-1,2-Dichloroethene	5.0	U	5.0	1	NA	7/12/10 13:59		208123
1,2-Dichloropropane	5.0	U	5.0	1	NA	7/12/10 13:59		208123
cis-1,3-Dichloropropene	5.0	U	5.0	1	NA	7/12/10 13:59		208123
trans-1,3-Dichloropropene	5.0	U	5.0	1	NA	7/12/10 13:59		208123
Ethylbenzene	5.0	U	5.0	1	NA	7/12/10 13:59		208123
2-Hexanone	10	U	10	1	NA	7/12/10 13:59		208123
Methylene Chloride	5.0	U	5.0	1	NA	7/12/10 13:59		208123
4-Methyl-2-pentanone (MIBK)	10	U	10	1	NA	7/12/10 13:59		208123
Styrene	5.0	U	5.0	1	NA	7/12/10 13:59		208123
1,1,2,2-Tetrachloroethane	5.0	U	5.0	1	NA	7/12/10 13:59		208123
Tetrachloroethene	5.0	U	5.0	1	NA	7/12/10 13:59		208123
Toluene	5.0	U	5.0	1	NA	7/12/10 13:59		208123
1,1,1-Trichloroethane	5.0	U	5.0	1	NA	7/12/10 13:59		208123
1,1,2-Trichloroethane	5.0	U	5.0	1	NA	7/12/10 13:59		208123
Trichloroethene	5.0	U	5.0	1	NA	7/12/10 13:59		208123
Vinyl Chloride	5.0	U	5.0	1	NA	7/12/10 13:59		208123
o-Xylene	5.0	U	5.0	1	NA	7/12/10 13:59		208123
m,p-Xylenes	5.0	U	5.0	1	NA	7/12/10 13:59		208123

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Energy Solutions	**Service Request:**	R1003551
Project:	Leica Wells July 2010	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	Percent
Lab Code:	RQ1005593-01	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	112	85-122	7/12/10 13:59	
Toluene-d8	106	87-121	7/12/10 13:59	
Dibromofluoromethane	112	89-119	7/12/10 13:59	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Energy Solutions	**Service Request:**	R1003551
Project:	Leica Wells July 2010	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	µg/L
Lab Code:	RQ1005604-01	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot
Acetone	20	U	20	1	NA	7/13/10 02:25		208160
Benzene	5.0	U	5.0	1	NA	7/13/10 02:25		208160
Bromodichloromethane	5.0	U	5.0	1	NA	7/13/10 02:25		208160
Bromoform	5.0	U	5.0	1	NA	7/13/10 02:25		208160
Bromomethane	5.0	U	5.0	1	NA	7/13/10 02:25		208160
2-Butanone (MEK)	10	U	10	1	NA	7/13/10 02:25		208160
Carbon Disulfide	10	U	10	1	NA	7/13/10 02:25		208160
Carbon Tetrachloride	5.0	U	5.0	1	NA	7/13/10 02:25		208160
Chlorobenzene	5.0	U	5.0	1	NA	7/13/10 02:25		208160
Chloroethane	5.0	U	5.0	1	NA	7/13/10 02:25		208160
Chloroform	5.0	U	5.0	1	NA	7/13/10 02:25		208160
Chloromethane	5.0	U	5.0	1	NA	7/13/10 02:25		208160
Dibromochloromethane	5.0	U	5.0	1	NA	7/13/10 02:25		208160
1,1-Dichloroethane	5.0	U	5.0	1	NA	7/13/10 02:25		208160
1,2-Dichloroethane	5.0	U	5.0	1	NA	7/13/10 02:25		208160
1,1-Dichloroethene	5.0	U	5.0	1	NA	7/13/10 02:25		208160
cis-1,2-Dichloroethene	5.0	U	5.0	1	NA	7/13/10 02:25		208160
trans-1,2-Dichloroethene	5.0	U	5.0	1	NA	7/13/10 02:25		208160
1,2-Dichloropropane	5.0	U	5.0	1	NA	7/13/10 02:25		208160
cis-1,3-Dichloropropene	5.0	U	5.0	1	NA	7/13/10 02:25		208160
trans-1,3-Dichloropropene	5.0	U	5.0	1	NA	7/13/10 02:25		208160
Ethylbenzene	5.0	U	5.0	1	NA	7/13/10 02:25		208160
2-Hexanone	10	U	10	1	NA	7/13/10 02:25		208160
Methylene Chloride	5.0	U	5.0	1	NA	7/13/10 02:25		208160
4-Methyl-2-pentanone (MIBK)	10	U	10	1	NA	7/13/10 02:25		208160
Styrene	5.0	U	5.0	1	NA	7/13/10 02:25		208160
1,1,2,2-Tetrachloroethane	5.0	U	5.0	1	NA	7/13/10 02:25		208160
Tetrachloroethene	5.0	U	5.0	1	NA	7/13/10 02:25		208160
Toluene	5.0	U	5.0	1	NA	7/13/10 02:25		208160
1,1,1-Trichloroethane	5.0	U	5.0	1	NA	7/13/10 02:25		208160
1,1,2-Trichloroethane	5.0	U	5.0	1	NA	7/13/10 02:25		208160
Trichloroethene	5.0	U	5.0	1	NA	7/13/10 02:25		208160
Vinyl Chloride	5.0	U	5.0	1	NA	7/13/10 02:25		208160
o-Xylene	5.0	U	5.0	1	NA	7/13/10 02:25		208160
m,p-Xylenes	5.0	U	5.0	1	NA	7/13/10 02:25		208160

Client:	Energy Solutions	**Service Request:**	R1003551
Project:	Leica Wells July 2010	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	Percent
Lab Code:	RQ1005604-01	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	114	85-122	7/13/10 02:25	
Toluene-d8	108	87-121	7/13/10 02:25	
Dibromofluoromethane	115	89-119	7/13/10 02:25	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Energy Solutions	**Service Request:**	R1003551
Project:	*Leica* Wells July 2010	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	µg/L
Lab Code:	RQ1005662-01	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot
Acetone	20	U	20	1	NA	7/14/10 13:58		208370
Benzene	5.0	U	5.0	1	NA	7/14/10 13:58		208370
Bromodichloromethane	5.0	U	5.0	1	NA	7/14/10 13:58		208370
Bromoform	5.0	U	5.0	1	NA	7/14/10 13:58		208370
Bromomethane	5.0	U	5.0	1	NA	7/14/10 13:58		208370
2-Butanone (MEK)	10	U	10	1	NA	7/14/10 13:58		208370
Carbon Disulfide	10	U	10	1	NA	7/14/10 13:58		208370
Carbon Tetrachloride	5.0	U	5.0	1	NA	7/14/10 13:58		208370
Chlorobenzene	5.0	U	5.0	1	NA	7/14/10 13:58		208370
Chloroethane	5.0	U	5.0	1	NA	7/14/10 13:58		208370
Chloroform	5.0	U	5.0	1	NA	7/14/10 13:58		208370
Chloromethane	5.0	U	5.0	1	NA	7/14/10 13:58		208370
Dibromochloromethane	5.0	U	5.0	1	NA	7/14/10 13:58		208370
1,1-Dichloroethane	5.0	U	5.0	1	NA	7/14/10 13:58		208370
1,2-Dichloroethane	5.0	U	5.0	1	NA	7/14/10 13:58		208370
1,1-Dichloroethene	5.0	U	5.0	1	NA	7/14/10 13:58		208370
cis-1,2-Dichloroethene	5.0	U	5.0	1	NA	7/14/10 13:58		208370
trans-1,2-Dichloroethene	5.0	U	5.0	1	NA	7/14/10 13:58		208370
1,2-Dichloropropane	5.0	U	5.0	1	NA	7/14/10 13:58		208370
cis-1,3-Dichloropropene	5.0	U	5.0	1	NA	7/14/10 13:58		208370
trans-1,3-Dichloropropene	5.0	U	5.0	1	NA	7/14/10 13:58		208370
Ethylbenzene	5.0	U	5.0	1	NA	7/14/10 13:58		208370
2-Hexanone	10	U	10	1	NA	7/14/10 13:58		208370
Methylene Chloride	5.0	U	5.0	1	NA	7/14/10 13:58		208370
4-Methyl-2-pentanone (MIBK)	10	U	10	1	NA	7/14/10 13:58		208370
Styrene	5.0	U	5.0	1	NA	7/14/10 13:58		208370
1,1,2,2-Tetrachloroethane	5.0	U	5.0	1	NA	7/14/10 13:58		208370
Tetrachloroethene	5.0	U	5.0	1	NA	7/14/10 13:58		208370
Toluene	5.0	U	5.0	1	NA	7/14/10 13:58		208370
1,1,1-Trichloroethane	5.0	U	5.0	1	NA	7/14/10 13:58		208370
1,1,2-Trichloroethane	5.0	U	5.0	1	NA	7/14/10 13:58		208370
Trichloroethene	5.0	U	5.0	1	NA	7/14/10 13:58		208370
Vinyl Chloride	5.0	U	5.0	1	NA	7/14/10 13:58		208370
o-Xylene	5.0	U	5.0	1	NA	7/14/10 13:58		208370
m,p-Xylenes	5.0	U	5.0	1	NA	7/14/10 13:58		208370

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Energy Solutions	**Service Request:**	R1003551
Project:	Leica Wells July 2010	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	Percent
Lab Code:	RQ1005662-01	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	111	85-122	7/14/10 13:58	
Toluene-d8	106	87-121	7/14/10 13:58	
Dibromofluoromethane	112	89-119	7/14/10 13:58	

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Energy Solutions
Project: Leica Wells July 2010
Sample Matrix: Water

Service Request: R1003551
Date Analyzed: 7/ 7/10 - 7/15/10

Lab Control Sample Summary
General Chemistry Parameters

Units: mg/L
Basis: NA

Analyte Name	Method	Lab Control Sample R1003551-LCS1 Result	Spike Amount	% Rec	% Rec Limits
Carbon, Total Organic (TOC)	SM20 5310 C	**9.61**	10.0	96	86 - 117
Chloride	300.0	**1.97**	2.00	98	90 - 110
Nitrate as Nitrogen	300.0	**0.951**	1.00	95	90 - 110
Sulfate	300.0	**1.87**	2.00	93	90 - 110

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Energy Solutions
Project: Leica Wells July 2010
Sample Matrix: Water

Service Request: R1003551
Date Analyzed: 7/ 8/10 - 7/19/10

Lab Control Sample Summary
General Chemistry Parameters

Units: mg/L
Basis: NA

Analyte Name	Method	Lab Control Sample R1003551-LCS2 Result	Spike Amount	% Rec	% Rec Limits
Carbon, Total Organic (TOC)	SM20 5310 C	**9.71**	10.0	97	86 - 117
Chloride	300.0	**1.90**	2.00	95	90 - 110
Nitrate as Nitrogen	300.0	**0.978**	1.00	98	90 - 110
Sulfate	300.0	**1.94**	2.00	97	90 - 110

Results flagged with an asterisk (*) indicate values outside control criteria.

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COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Energy Solutions
Project: Leica Wells July 2010
Sample Matrix: Water

Service Request: R1003551
Date Analyzed: 7/ 9/10

Lab Control Sample Summary
Chloride

Units: mg/L
Basis: NA

Analyte Name	Method	Lab Control Sample R1003551-LCS3 Result	Spike Amount	% Rec	% Rec Limits
Chloride	300.0	**1.98**	2.00	99	90 - 110

Results flagged with an asterisk (*) indicate values outside control criteria.

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COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Energy Solutions
Project: Leica Wells July 2010
Sample Matrix: Water

Service Request: R1003551
Date Analyzed: 7/16/10

Lab Control Sample Summary
Inorganic Parameters

Units: µg/L
Basis: NA

Analyte Name	Method	Lab Control Sample R1003551-LCS Result	Spike Amount	% Rec	% Rec Limits
Iron, Dissolved	6010B	**983**	1000	98	80 - 120
Manganese, Dissolved	6010B	**495**	500	99	80 - 120

Results flagged with an asterisk (*) indicate values outside control criteria.

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COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Energy Solutions
Project: Leica Wells July 2010
Sample Matrix: Water

Service Request: R1003551
Date Analyzed: 7/12/10

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Units: µg/L
Basis: NA

Analysis Lot: 208123

Analyte Name	Lab Control Sample RQ1005593-02 Result	Spike Amount	% Rec	% Rec Limits
Acetone	**18.5**	20.0	93	59 - 140
Benzene	**20.0**	20.0	100	78 - 121
Bromodichloromethane	**21.7**	20.0	108	80 - 125
Bromoform	**20.1**	20.0	101	73 - 132
Bromomethane	**21.6**	20.0	108	57 - 144
2-Butanone (MEK)	**18.7**	20.0	93	60 - 133
Carbon Disulfide	**21.9**	20.0	109	59 - 138
Carbon Tetrachloride	**22.9**	20.0	115	69 - 135
Chlorobenzene	**20.1**	20.0	101	80 - 121
Chloroethane	**23.4**	20.0	117	71 - 130
Chloroform	**22.6**	20.0	113	78 - 125
Chloromethane	**23.5**	20.0	118	62 - 133
Dibromochloromethane	**20.0**	20.0	100	78 - 133
1,1-Dichloroethane	**21.7**	20.0	109	76 - 122
1,2-Dichloroethane	**20.5**	20.0	103	78 - 126
1,1-Dichloroethene	**23.9**	20.0	119	72 - 129
cis-1,2-Dichloroethene	**22.0**	20.0	110	78 - 122
trans-1,2-Dichloroethene	**21.4**	20.0	107	75 - 121
1,2-Dichloropropane	**21.6**	20.0	108	80 - 123
cis-1,3-Dichloropropene	**19.3**	20.0	96	77 - 125
trans-1,3-Dichloropropene	**18.4**	20.0	92	69 - 127
Ethylbenzene	**20.3**	20.0	102	78 - 123
2-Hexanone	**16.3**	20.0	81	61 - 131
Methylene Chloride	**22.1**	20.0	110	75 - 125
4-Methyl-2-pentanone (MIBK)	**16.1**	20.0	80	61 - 132
Styrene	**19.8**	20.0	99	80 - 132
1,1,2,2-Tetrachloroethane	**17.6**	20.0	88	72 - 131
Tetrachloroethene	**20.6**	20.0	103	72 - 131
Toluene	**20.5**	20.0	103	78 - 122
1,1,1-Trichloroethane	**22.7**	20.0	113	72 - 128
1,1,2-Trichloroethane	**18.7**	20.0	94	80 - 122
Trichloroethene	**21.9**	20.0	109	74 - 127

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Energy Solutions
Project: Leica Wells July 2010
Sample Matrix: Water

Service Request: R1003551
Date Analyzed: 7/12/10

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Units: µg/L
Basis: NA

Analysis Lot: 208123

Analyte Name	Lab Control Sample RQ1005593-02 Result	Spike Amount	% Rec	% Rec Limits
Vinyl Chloride	**26.3**	20.0	131	71 - 136
o-Xylene	**20.3**	20.0	102	79 - 126
m,p-Xylenes	**41.3**	40.0	103	79 - 126

Results flagged with an asterisk (*) indicate values outside control criteria.
Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Energy Solutions
Project: Leica Wells July 2010
Sample Matrix: Water

Service Request: R1003551
Date Analyzed: 7/13/10

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Units: µg/L
Basis: NA

Analysis Lot: 208160

	Lab Control Sample RQ1005604-02			Duplicate Lab Control Sample RQ1005604-03					
Analyte Name	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Acetone	**21.7**	20.0	109	**20.6**	20.0	103	59 - 140	5	30
Benzene	**18.3**	20.0	92	**19.4**	20.0	97	78 - 121	6	30
Bromodichloromethane	**19.6**	20.0	98	**19.6**	20.0	98	80 - 125	0	30
Bromoform	**19.5**	20.0	98	**18.8**	20.0	94	73 - 132	4	30
Bromomethane	**16.7**	20.0	84	**17.6**	20.0	88	57 - 144	5	30
2-Butanone (MEK)	**19.7**	20.0	98	**18.6**	20.0	93	60 - 133	5	30
Carbon Disulfide	**21.6**	20.0	108	**19.7**	20.0	98	59 - 138	9	30
Carbon Tetrachloride	**18.5**	20.0	93	**19.6**	20.0	98	69 - 135	6	30
Chlorobenzene	**17.1**	20.0	85	**18.5**	20.0	93	80 - 121	8	30
Chloroethane	**18.9**	20.0	95	**19.4**	20.0	97	71 - 130	3	30
Chloroform	**19.3**	20.0	96	**20.3**	20.0	102	78 - 125	5	30
Chloromethane	**19.0**	20.0	95	**20.5**	20.0	102	62 - 133	7	30
Dibromochloromethane	**18.5**	20.0	92	**19.0**	20.0	95	78 - 133	3	30
1,1-Dichloroethane	**18.9**	20.0	95	**19.9**	20.0	99	76 - 122	5	30
1,2-Dichloroethane	**20.5**	20.0	103	**21.0**	20.0	105	78 - 126	2	30
1,1-Dichloroethene	**19.6**	20.0	98	**20.2**	20.0	101	72 - 129	3	30
cis-1,2-Dichloroethene	**18.7**	20.0	93	**20.0**	20.0	100	78 - 122	7	30
trans-1,2-Dichloroethene	**18.2**	20.0	91	**19.0**	20.0	95	75 - 121	4	30
1,2-Dichloropropane	**20.1**	20.0	100	**20.2**	20.0	101	80 - 123	0	30
cis-1,3-Dichloropropene	**17.8**	20.0	89	**18.5**	20.0	92	77 - 125	4	30
trans-1,3-Dichloropropene	**17.0**	20.0	85	**17.5**	20.0	87	69 - 127	2	30
Ethylbenzene	**16.6**	20.0	83	**17.8**	20.0	89	78 - 123	7	30
2-Hexanone	**18.8**	20.0	94	**16.8**	20.0	84	61 - 131	11	30
Methylene Chloride	**20.2**	20.0	101	**20.9**	20.0	104	75 - 125	3	30
4-Methyl-2-pentanone (MIBK)	**18.4**	20.0	92	**17.4**	20.0	87	61 - 132	6	30
Styrene	**16.6**	20.0	83	**17.1**	20.0	85	80 - 132	3	30
1,1,2,2-Tetrachloroethane	**14.6**	20.0	73	**14.4**	20.0	72	72 - 131	2	30
Tetrachloroethene	**16.4**	20.0	82	**17.4**	20.0	87	72 - 131	6	30
Toluene	**17.0**	20.0	85	**17.7**	20.0	88	78 - 122	4	30
1,1,1-Trichloroethane	**18.5**	20.0	93	**20.3**	20.0	101	72 - 128	9	30
1,1,2-Trichloroethane	**17.3**	20.0	86	**17.5**	20.0	88	80 - 122	1	30
Trichloroethene	**21.0**	20.0	105	**22.4**	20.0	112	74 - 127	6	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Energy Solutions
Project: Leica Wells July 2010
Sample Matrix: Water

Service Request: R1003551
Date Analyzed: 7/13/10

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Units: µg/L
Basis: NA

Analysis Lot: 208160

Analyte Name	Lab Control Sample RQ1005604-02 Result	Spike Amount	% Rec	Duplicate Lab Control Sample RQ1005604-03 Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
Vinyl Chloride	**20.9**	20.0	105	**22.1**	20.0	111	71 - 136	6	30
o-Xylene	**17.3**	20.0	86	**17.9**	20.0	89	79 - 126	3	30
m,p-Xylenes	**33.4**	40.0	83	**34.4**	40.0	86	79 - 126	3	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Energy Solutions
Project: Leica Wells July 2010
Sample Matrix: Water

Service Request: R1003551
Date Analyzed: 7/14/10

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Units: µg/L
Basis: NA

Analysis Lot: 208370

Lab Control Sample
RQ1005662-02

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
Acetone	**19.4**	20.0	97	59 - 140
Benzene	**20.4**	20.0	102	78 - 121
Bromodichloromethane	**20.9**	20.0	104	80 - 125
Bromoform	**19.9**	20.0	100	73 - 132
Bromomethane	**18.6**	20.0	93	57 - 144
2-Butanone (MEK)	**19.8**	20.0	99	60 - 133
Carbon Disulfide	**23.2**	20.0	116	59 - 138
Carbon Tetrachloride	**23.0**	20.0	115	69 - 135
Chlorobenzene	**19.8**	20.0	99	80 - 121
Chloroethane	**21.9**	20.0	109	71 - 130
Chloroform	**21.4**	20.0	107	78 - 125
Chloromethane	**24.3**	20.0	121	62 - 133
Dibromochloromethane	**19.7**	20.0	98	78 - 133
1,1-Dichloroethane	**21.2**	20.0	106	76 - 122
1,2-Dichloroethane	**21.6**	20.0	108	78 - 126
1,1-Dichloroethene	**22.2**	20.0	111	72 - 129
cis-1,2-Dichloroethene	**21.0**	20.0	105	78 - 122
trans-1,2-Dichloroethene	**20.3**	20.0	102	75 - 121
1,2-Dichloropropane	**20.6**	20.0	103	80 - 123
cis-1,3-Dichloropropene	**20.7**	20.0	103	77 - 125
trans-1,3-Dichloropropene	**19.3**	20.0	97	69 - 127
Ethylbenzene	**19.0**	20.0	95	78 - 123
2-Hexanone	**17.9**	20.0	90	61 - 131
Methylene Chloride	**21.4**	20.0	107	75 - 125
4-Methyl-2-pentanone (MIBK)	**18.1**	20.0	90	61 - 132
Styrene	**18.6**	20.0	93	80 - 132
1,1,2,2-Tetrachloroethane	**16.9**	20.0	84	72 - 131
Tetrachloroethene	**19.9**	20.0	100	72 - 131
Toluene	**19.5**	20.0	98	78 - 122
1,1,1-Trichloroethane	**21.3**	20.0	106	72 - 128
1,1,2-Trichloroethane	**18.2**	20.0	91	80 - 122
Trichloroethene	**21.0**	20.0	105	74 - 127

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Energy Solutions
Project: Leica Wells July 2010
Sample Matrix: Water

Service Request: R1003551
Date Analyzed: 7/14/10

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Units: µg/L
Basis: NA

Analysis Lot: 208370

Lab Control Sample
RQ1005662-02

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
Vinyl Chloride	**25.1**	20.0	125	71 - 136
o-Xylene	**19.1**	20.0	95	79 - 126
m,p-Xylenes	**38.5**	40.0	96	79 - 126

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Columbia Analytical Services™ CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

SR #

CAS Contact

1 Mustard Street, Suite 250, Rochester, NY 14609 | 585.288.5380 | 800.695.7222 | 585.288.8475 (fax) PAGE 1 OF 2

Project Name: Leica

Project Number:

Project Manager: Bob McPeak

Report CC:

Company/Address: EnergySolutions Inc
100 Mill Plain Rd 2nd Floor Box 106
Danbury, CT 06811

Phone #: 801-303-1092

FAX#: 203-797-8994

Sampler's Signature: Wayne DeGolier

Sampler's Printed Name: Wayne DeGolier

ANALYSIS REQUESTED *(Include Method Number and Container Preservative)*

PRESERVATIVE

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	GC/MS VOA's ☒ 8260 ☐ 624 ☐ CLP	GC/MS SVOA's ☐ 8270 ☐ 625 ☐ CLP	GC VOA's ☐ 8021 ☐ 601/602	PESTICIDES ☐ 8081 ☐ 608 ☐ CLP	PCB's ☐ 8082 ☐ 608 ☐ CLP	METALS, TOTAL (List in comments below)	METALS, DISSOLVED (List in comments below)	Chloride	Sulfate	Nitrate	TOC	Dissolved Fe	Dissolved Mn	REMARKS/ ALTERNATE DESCRIPTION
MW 10	-001, 002	7/7/10	08:00	H_2O	4														All Samples Taken 7/7/10
MW 14	003, 004		08:15																
MW 14A	005, 006		08:25																
MW 5	007, 008		08:40																
MW 5A	009, 010		08:50																I Made changes on glass for Date and w.D.
MW 6	011, 012		09:10																
MW 6A	013, 014		09:20																
MW 16R	015, 016		10:05																
MW 16A	017, 018		10:30																
MW 11A	019, 020		10:45																

Preservative Key
0. NONE
1. HCL
2. HNO_3
3. H_2SO_4
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
8. Other _____

SPECIAL INSTRUCTIONS/COMMENTS
Metals
Some In Lab Filtering Required

TURNAROUND REQUIREMENTS
___ RUSH (SURCHARGES APPLY)
___ 24 hr ___ 48 hr ___ 5 day
✓ STANDARD
REQUESTED FAX DATE
REQUESTED REPORT DATE

REPORT REQUIREMENTS
___ I. Results Only
✓ II. Results + QC Summaries (LCS, DUP, MS/MSD as required)
___ III. Results + QC and Calibration Summaries
___ IV. Data Validation Report with Raw Data
___ V. Specialized Forms / Custom Rep
Edata ✓ Yes ___ No

INVOICE INFORMATION
PO#
BILL TO:

R1003551
Energy Solutions, Inc.
Leica

☐ See QAPP

SAMPLE RECEIPT: CONDITION/COOLER TEMP: 5.8, 2.3°C CUSTODY SEALS: (Y) N

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	
Signature: Wayne DeGolier	Signature:	Signature:	Signature: Matt Carr	Signature	Signature
Printed Name: Wayne DeGolier	Printed Name:	Printed Name:	Printed Name: Matthew Carr	Printed Name	Printed Name
Firm: EnviroSite	Firm: ENS	Firm: ENS	Firm: CAS	Firm	Firm
Date/Time: 7/7/10 13:00	Date/Time: 7/7/10 1300	Date/Time: 7/8/10 1510	Date/Time: 7/6/10 1515	Date/Time	Date/Time

Distribution: White - Return to Originator; Yellow - Lab Copy

SCOC Rev. 3/10

Columbia Analytical Services — CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

1 Mustard Street, Suite 250, Rochester, NY 14609 | 585.288.5380 | 800.695.7222 | 585.288.8475 (fax) PAGE 2 OF 2

SR #

CAS Contact

Project Name: Leica	Project Number:
Project Manager: Rob McPeak	Report CC:
Company/Address: EnergySolutions Inc 100 Mill Plain Rd 2nd Floor Box 106 Danbury, CT 06811	
Phone #: 801-303-1092	FAX#: 203-797-8994
Sampler's Signature: Wayne DeGolier	Sampler's Printed Name: Wayne DeGolier

ANALYSIS REQUESTED (Include Method Number and Container Preservative)

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	PRESERVATIVE	GC/MS VOA's 8260 ☐ 624 ☐ CLP	GC/MS SVOA's ☐ 8270 ☐ 625 ☐ CLP	GC VOA's ☐ 8021 ☐ 601/602	PESTICIDES ☐ 8081 ☐ 608 ☐ CLP	PCB's ☐ 8082 ☐ 608 ☐ CLP	METALS, TOTAL (List in comments below)	METALS, DISSOLVED (List in comments below)	Chloride	Sulfate	Nitrate	TOC	Dissolved Fe	Dissolved Mn	REMARKS/ ALTERNATE DESCRIPTION
MW 24A	021, 022	7/7/10	12:00	H2O	4		✓							✓	✓	✓	✓	✓	✓	
MW 24	023, 024	7/7/10	12:15		4		✓							✓	✓	✓	✓	✓	✓	
Temp Blank	—	7/7/10			1															
Trip Blank	025	7/7/10			1															

All Samples Taken 7/7/10

I Made changes on glass for Date and M.D.

Preservative Key: 0. NONE; 1. HCL; 2. HNO_3; 3. H_2SO_4; 4. NaOH; 5. Zn. Acetate; 6. MeOH; 7. $NaHSO_4$; 8. Other _____

SPECIAL INSTRUCTIONS/COMMENTS

Metals Some In Lab Filtering Required

See QAPP ☐

TURNAROUND REQUIREMENTS

___ RUSH (SURCHARGES APPLY)

___ 24 hr ___ 48 hr ___ 5 day

✓ STANDARD

REQUESTED FAX DATE

REQUESTED REPORT DATE

REPORT REQUIREMENTS

___ I. Results Only

✓ II. Results + QC Summaries (LCS, DUP, MS/MSD as required)

___ III. Results + QC and Calibration Summaries

___ IV. Data Validation Report with Raw Da

___ V. Specialized Forms / Custom Report

Edata ✓ Yes ___ No

INVOICE INFORMATION

PO#

BILL TO:

R1003551
Energy Solutions, Inc.
Leica

SAMPLE RECEIPT: CONDITION/COOLER TEMP: 5.8 2.3°C CUSTODY SEALS: (Y) N

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	
Signature: Wayne DeGolier	Signature:	Signature:	Signature: Matthew Curran	Signature	Signature
Printed Name: Wayne DeGolier	Printed Name: Parkerson	Printed Name: Parkerson	Printed Name: Matthew Curran	Printed Name	Printed Name
Firm: EnviroSite	Firm: ENS	Firm: ENS	Firm: CAS	Firm	Firm
Date/Time: 7/8/10 13:00	Date/Time: 7/6/10 1300	Date/Time: 7/6/10 1515	Date/Time: 7/6/10 1515	Date/Time	Date/Time

Distribution: White - Return to Originator; Yellow - Lab Copy

SCOC Rev. 3/10

Cooler Receipt And Preservation Check Form

Project/Client Leica Submission Number R10-3551

Cooler received on 7/6/10 by: DW COURIER: CAS UPS FEDEX VELOCITY CLIENT

1.	Were custody seals on outside of cooler?			YES	NO	
2.	Were custody papers properly filled out (ink, signed, etc.)?			YES	NO	
3.	Did all bottles arrive in good condition (unbroken)?			YES	NO	@ 7/7/10
4.	Did any VOA vials have significant* air bubbles?			YES	NO	N/A 3 Trip Blank vials
5.	Were ~~Ice~~ or Ice packs present?			YES	NO	
6.	Where did the bottles originate?			CAS/ROC, CLIENT		
7.	Temperature of cooler(s) upon receipt:	5.8°	2.3°			
	Is the temperature within 0° - 6° C?:	~~Yes~~	Yes	Yes	Yes	Yes
	If No, Explain Below	No	No	No	No	No

Date/Time Temperatures Taken: 7/6/10 / 1546

Thermometer ID: IR GUN#3 / IR ~~GUN#4~~ Reading From: Temp Blank / ~~Sample Bottle~~

If out of Temperature, note packing/ice condition, Client Approval to Run Samples: _____

PC Secondary Review: KB 7/7/10

Cooler Breakdown: Date: 7/7/10 by: @

1.	Were all bottle labels complete (*i.e.* analysis, preservation, etc.)?	YES	NO
2.	Did all bottle labels and tags agree with custody papers?	YES	NO
3.	Were correct containers used for the tests indicated?	YES	NO
4.	Air Samples: Cassettes / Tubes Intact Canisters Pressurized Tedlar® Bags Inflated		N/A

Explain any discrepancies: _____

pH	Reagent	YES	NO	Lot Received	Exp
≥12	NaOH				
≤2	HNO_3				
≤2	H_2SO_4			WC92187B	4/11
Residual Chlorine (-)	For TCN and Phenol			If present, contact PM to add ascorbic acid	
	$Na_2S_2O_3$	-	-		
	Zn Aceta	-	-		
	HCl	*	*	4109100	5/11

Sample ID	Vol. Added	Lot Added	Final pH

*Not to be tested before analysis – pH tested and recorded by VOAs or GenChem on a separate worksheet

Yes = All samples OK

No = Samples were preserved at lab as listed

PM OK to Adjust: _____

Bottle lot numbers: 9-356-002, 0-075-001, 052410-24

Other Comments:

PC Secondary Review: KB 7/23/10

*significant air bubbles are greater than 5-6 mm