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February 28, 2014

Mr. Brian Sadowski, Project Manager
New York State Department of Environmental Conservation – Region 9
270 Michigan Avenue
Buffalo, New York 14203-2999

SUBJ: 2013 Annual Periodic Review Report
Cherry Farm Site (NYSDEC Site No. 9-15-063)
River Road Site (NYSDEC Site No. 9-15-031)
4100 River Road, Tonawanda, New York 14150
File No. 442205

Dear Mr. Sadowski:

On behalf of the Potentially Responsible Parties Group (PRP Group) of Honeywell International, Inc. and National Grid, Groundwater & Environmental Services, Inc. (GES) is pleased to submit the attached Periodic Review Report (PRR). The report was prepared in accordance with the PRR General Guidance document provided by the New York State Department of Environmental Conservation and documents the implementation of and compliance with site management requirements for the site. The reporting period encompasses January 1, 2013 through December 31, 2013.

If you have any questions, please contact the undersigned at (800) 287-7857 (ext. 4353).

Thank you.

Regards,

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Periodic Review Report
2013 Annual Report

CHERRY FARM/RIVER ROAD SITE
4100 River Road
Tonawanda, New York 14150
(NYSDEC Site No. 9-15-063 and NYSDEC Site No. 9-15-031)

SUBMITTED TO:

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SUBMITTED BY:

CHERRY FARM/RIVER ROAD SITE
Potentially Responsible Parties

PREPARED BY:

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February 2014

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EXECUTIVE SUMMARY

INTRODUCTION

This Periodic Review Report (PRR) and 2013 Annual Report for the Cherry Farm/River Road site summarizes the monitoring and maintenance activities conducted from January 1 through December 31, 2013. The work was conducted as part of the required post-construction operations, maintenance, and monitoring (OM&M) program to monitor and evaluate groundwater and surface water quality and monitor and maintain the integrity of the landfill, including offshore barrier islands and shoreline wetlands.

PROGRAM METHODOLOGY

In accordance with the procedures outlined in the OM&M Manual, annual sampling of the collection trench sumps in the shallow aquifer and monitoring wells in the intermediate/deep aquifer, including RW-4 and RW-5 was completed in May 2013. Note that the OM&M Manual indicates that each year, the season during which samples are collected will be varied and sampling events should be separated by a minimum of two quarters, and a maximum of four quarters. Since the last sampling event was completed in the third quarter of 2012, this sampling event was completed in the second quarter of 2013. The collection trench sump samples were analyzed for target compound list (TCL) volatile organic compounds (VOCs), TCL semi-volatile organic compounds (SVOCs), TCL pesticides/polychlorinated biphenyls (PCBs), and target analyte list (TAL) metals and cyanide. The monitoring well samples in the intermediate/deep aquifer were analyzed for TCL VOCs, TCL SVOCs, and PCBs. Analytical results were compared to the Class GA Ambient Water Quality Standards/Guidance Values and Groundwater Effluent Limitations, found in the New York State Department of Environmental Conservation (NYSDEC) Technical and Operational Guidance Series (TOGS) (1.1.1). Surface water was not present in any of the surface water sampling locations during the sampling event in 2013.

Water level monitoring was conducted quarterly on the monitoring wells, extraction wells, sumps, and observation wells. The water level data from the wells and sumps was used to construct hydrographs to evaluate hydraulic gradient. The water level data from the monitoring wells was used to construct groundwater contour maps.

Routine cap/site inspections were completed during the reporting period by Groundwater & Environmental Services, Inc. (GES) on a monthly basis, in conjunction with the routine site visits. Formal inspections with NYSDEC were conducted on a semi-annual basis. Any minor deficiencies observed during the monthly inspections were documented and discussed with NYSDEC during the formal inspections. The cap and site are inspected for excessive debris, litter and waste; loss of vegetative cover; integrity of the drainage system; condition of access roads, gates, and fencing; integrity of groundwater monitoring and observation wells; and integrity of the cover system.

Maintenance was performed on various components of the groundwater extraction and treatment systems throughout the year. The maintenance operations were performed either as part of scheduled preventive maintenance, or as necessary to maintain system compliance.

In accordance with the Town of Tonawanda Industrial Sewer Connection Permit for the site, GES collects monthly and semi-annual treatment system samples for laboratory analyses. Monthly analyses include PCBs and oil & grease. Semi-annual analyses include biochemical oxygen demand (BOD), total suspended solids (TSS), total phosphorus, zinc, and total petroleum hydrocarbons. The analytical results assist in determining if the treatment system is operating in accordance with design specifications. The data is compared to the Discharge Limitations and Monitoring Requirements outlined in the discharge permit.

MONITORING SUMMARY

INTERMEDIATE/DEEP GROUNDWATER SAMPLING – MAY 2013

In the intermediate/deep groundwater samples, VOCs were not detected in wells MW-1, MW-2, MW-3, MW-4, MW-6, MW-7 and RW-5. VOCs have been absent from most of these monitoring points since November 2008. VOCs were detected in concentrations exceeding Class GA quality standards/guidance values in wells MW-5 and RW-4.

SVOC concentrations exceeding Class GA quality standards/guidance values were detected in wells MW-1 through MW-7 but SVOC concentrations remain less than 5 µg/l for wells MW-3, MW-4, MW-6, MW-7, RW-4 and RW-5. The concentrations in MW-1, MW-2, and MW-4 appeared to increase during the most recent event.

PCBs were not detected in any well in 2013.

SHALLOW GROUNDWATER SAMPLING – MAY 2013

VOCs were not detected in concentrations exceeding Class GA quality standards/guidance values in samples S-1, S-2, and S-3. Only two VOC compounds were detected above Class GA quality standards/guidance values in the sample from S-4 and then at total concentrations less than 15 µg/l.

SVOCs were detected in concentrations exceeding Class GA quality standards/guidance values in all sumps, but the single detection of 2,4-Dimethylphenol was just slightly above the standard/guidance value in S-1 and S-2. The total SVOC concentrations in samples S-3 and S-4 are within the historical range for these monitoring points.

Pesticides were detected in samples S-2 and S-4 at concentrations exceeding Class GA quality standards/guidance values, but at very low concentrations. No pesticides were detected above standards/guidance values in samples S-1 and S-3.

PCBs were absent in samples S-1 and S-2 but detected in concentrations exceeding Class GA quality standards/guidance values in samples S-3 and S-4 at concentrations of 0.24 and 2.2 µg/l, respectively.

The metals iron, manganese, and sodium exceeded standards/guidance in one or more samples but the total RCRA 8 metals concentrations have shown a relative decreasing trend since 2006.

No light non-aqueous phase liquids (LNAPL) have been identified in any of the wells or sumps since August 2004.

SURFACE WATER GROUNDWATER SAMPLING

Surface water was not present in any of the surface water sampling locations during the May 2013 sampling event.

WATER LEVEL MONITORING

Quarterly water level monitoring was completed in March, May, September and December, 2013. Water table elevations for the monitoring wells, observation wells, and sumps were generally higher than the water elevation of the Niagara River for the reporting period with the exception of MW-6 during the May 2013 gauging event. This indicates that both the intermediate/deep and shallow groundwater is generally flowing towards the Niagara River with the exceptions noted above.

SEMI-ANNUAL CAP INSPECTIONS

Two semi-annual formal cap inspections with NYSDEC were conducted on June 5, 2013 and November 6, 2013. There were no deficiencies noted during the inspections with NYSDEC.

SYSTEM EFFECTIVENESS

During system operation, the average flow rate for 2013 was approximately 4.88 gallons per minute (gpm), which is lower when compared to the average flow rate for 2012 (5.78 gpm), 2011 (6.84 gpm) and the 2010 (7.3 gpm) average flow rates. The system up-time for 2014 was approximately 99%, which is higher when compared to 2012 (95%). Approximately 2,554,282 gallons of groundwater were treated and discharged to the Town of Tonawanda Wastewater Treatment Facility during 2013. Based on the annual sampling data from the remedial system sumps and the total gallons treated and discharged by the system in 2013, approximately 0.116 pounds of VOCs, 1.135 pounds of SVOCs, 0.009 pounds of pesticides and 0.016 pounds of PCBs were removed in 2013. No surface overflows were observed from the trench during the reporting period.

CONCLUSIONS

- May 2013 Intermediate/deep Aquifer - VOCs were not detected in wells MW-1, MW-2, MW-3, MW-4, MW-6, MW-7 and RW-5. VOCs have been absent from most of these monitoring points since November 2008. SVOC concentrations exceeding Class GA quality standards/guidance values were detected in wells MW-1 through MW-7 but SVOC concentrations remain less than 5 µg/l for wells MW-3, MW-4, MW-6, MW-7, RW-4 and RW-5. PCBs were not detected in any well.

- May 2013 Shallow Groundwater - VOCs were not detected in concentrations exceeding Class GA quality standards/guidance values in samples S-1, S-2, and S-3. Only two VOC compounds were detected above Class GA quality standards/guidance values in the sample from S-4 and then at total concentrations less than 15 µg/l. SVOCs were detected in concentrations exceeding Class GA quality standards/guidance values in all sumps, but the single detection of 2,4-Dimethylphenol was just slightly above the standard/guidance value in S-1 and S-2. Pesticides were detected in samples S-2 and S-4 at concentrations exceeding Class GA quality standards/guidance values, but at very low concentrations. No pesticides were detected above standards/guidance values in samples S-1 and S-3. PCBs were absent in samples S-1 and S-2 but detected in concentrations exceeding Class GA quality standards/guidance values in samples S-3 and S-4 at concentrations of 0.24 and 2.2 µg/l, respectively. The metals iron, manganese, and sodium exceeded standards/guidance in one or more samples but the total RCRA 8 metals concentrations have shown a relative decreasing trend since 2006.
- No LNAPL has been identified in any of the wells or sumps since August 2004.
- There was no surface water present in any of the surface water sampling points at the time of the May 2013 sampling event.
- There were no deficiencies noted during GES's routine monthly cap inspections or during the semi-annual cap inspections with NYSDEC in June and November 2013.
- During system operation, the average flow rate for 2013 was approximately 4.88 gpm, which is lower when compared to the average flow rate for 2012 (5.78 gpm), 2011 (6.84 gpm) and the 2010 (7.3 gpm) average flow rates. The system up-time for 2014 was approximately 99%, which is higher when compared to 2012 (95%). Approximately 2,554,282 gallons of groundwater were treated and discharged to the Town of Tonawanda Wastewater Treatment Facility during 2013. Based on the annual sampling data from the remedial system sumps and the total gallons treated and discharged by the system in 2013, approximately 0.116 pounds of VOCs, 1.135 pounds of SVOCs, 0.009 pounds of pesticides and 0.016 pounds of PCBs were removed in 2013. No surface overflows were observed from the trench during the reporting period.
- Monthly analytical discharge data for the reporting period indicates that the treatment system had been operating/discharging in accordance with the Town of Tonawanda sewer discharge permit.
- Periodic Review Reports will continue to be submitted on an annual basis.

SECTION 1
SITE OVERVIEW

1.1 SITE BACKGROUND

The Cherry Farm/River Road Site is located in a mixed industrial/commercial area of the Town of Tonawanda, New York. A site location map is provided as **Figure 1.1**. The River Road Site occupies approximately 23 acres, located along the Niagara River south of the Grand Island Bridge. The Cherry Farm Site is a 56-acre parcel located immediately north of the River Road Site. A site map depicting the two parcels is provided as **Figure 1.2**. The two sites were at one time a part of a larger property owned by Wickwire-Spencer Steel Company. Due to the common history, former common ownership, and similar remedial programs, it was considered appropriate by New York State Department of Environmental Conservation (NYSDEC) and the Potentially Responsible Parties (PRPs) to combine the remedial program at the two sites.

The Cherry Farm and River Road Sites were used for the disposal of waste from steel manufacturing processes from approximately 1908 to 1963. From 1963 until approximately 1970, the area was operated as a landfill for disposal of industrial wastes from the facilities in the area. The waste disposed of included fly ash, bottom ash, slag, sludge, liquid boiler cleaning waste, concrete rubble, and miscellaneous waste fill.

The remedial measures implemented for the site were in accordance with the combined Record of Decision (NYSDEC, 1994). The remedial design for the combined properties included the following:

- Consolidation of wastes and installation of permeable and impermeable barriers over the wastes;
- Stabilization and habitat enhancements of the shoreline along the Niagara River, including installation of wooded and wetland areas;
- Removal and consolidation of contaminated sediments located within onsite drainage ditches;
- Installation of soil covers to support vegetation;
- Installation and operation of groundwater extraction wells (intermediate/deep zone) and groundwater collection trench (shallow zone);
- Collection and disposal of light non-aqueous phase liquids (LNAPL) present in the groundwater on the River Road Site;
- Treatment of groundwater and subsequent discharge to the Town of Tonawanda Wastewater Treatment Facility; and

- Removal of river sediments impacted by the site and subsequent placement in an onsite sediment disposal area (SDA).

The remediation was substantially completed by December 1998, with follow up wetland plantings and final grading/seeding of the SDA in 1999.

1.2 GROUNDWATER EXTRACTION SYSTEM BACKGROUND

A groundwater extraction system, which began operating on August 18, 1997, was installed as part of the Site Remedial Action Plan. The extraction system consisted of eleven recovery wells used to pump groundwater from the intermediate/deep aquifer, and a groundwater extraction trench which collected shallow groundwater and any associated LNAPL. Groundwater collected from the recovery wells and extraction trench was treated onsite, and discharged to the Town of Tonawanda Wastewater Treatment Facility.

As part of the remedial construction, seven groundwater monitoring wells were installed in upgradient (MW-1 and MW-2) and downgradient (MW-3 through MW-7) locations (**Figure 1.2**). The upgradient monitoring wells were installed to provide representative samples of groundwater from areas expected to be outside the influence of the landfill. The downgradient wells were designed to detect releases from the landfill during the operation of the groundwater recovery system.

Nine observation wells (OW-1 through OW-9) were installed to monitor the hydraulic gradient of shallow groundwater and LNAPL in the vicinity of the shallow collection trench. The observation wells are hydraulically upgradient of the collection trench, at the locations shown on **Figure 1.2**. They were located and constructed to provide hydraulic data needed to confirm adequate performance of the shallow collection trench.

In October 2002, the intermediate/deep groundwater extraction system was turned off in order to complete a Groundwater Upwelling Study. The study was conducted by the former consultant, Parsons of Buffalo, New York, and was completed in December 2003. The study successfully quantified and characterized the chemical concentrations of the groundwater that are upwelling from the Site to the Niagara River. Based on the results, Parsons recommended discontinued operation of the intermediate/deep groundwater extraction system as it would not have an adverse impact on the quality of the groundwater upwelling to the Niagara River.

In November 2004, NYSDEC approved the decommissioning of portions of the extraction system. This included the decommissioning of extraction wells RW-1, RW-2, RW-3, RW-6, RW-7, RW-8, RW-9, RW-10, and RW-11. This work was completed in July 2005. Extraction wells RW-4 and RW-5 were left in place as monitoring wells. The shallow collection trench still operates and treated water continues to be discharged to the Town of Tonawanda Wastewater Treatment Facility.

Presently, the environmental monitoring system for groundwater and surface water includes the following:

- The intermediate/deep groundwater monitoring wells located up-gradient and down-gradient, including RW-4 and RW-5. These wells were installed to assess groundwater quality and efficiency of the former groundwater extraction system;
- Observation wells OW-1 through OW-9 to measure the hydraulic gradient of shallow groundwater, as it enters the shallow collection trench;
- Sumps S-1 through S-4, located in the shallow collection trench, to assess the shallow groundwater quality, and to collect LNAPL, if present; and
- Surface water sampling points SW-1 through SW-3 to assess surface water quality.

Sampling and analysis of groundwater from the upgradient and downgradient monitoring wells was performed quarterly for the first year of operation, reduced to semi-annually from 1998 through 2004 and to annually beginning in 2005.

SECTION 2
PROGRAM METHODOLOGY

2.1 INSTITUTIONAL AND ENGINEERING CONTROLS

The following is a list of institutional and engineering controls created for the site by NYSDEC:

Cherry Farm

- Fencing/Access Control
- Cover System
- Groundwater Treatment System
- Monitoring Plan
- O&M Plan
- Leachate Collection
- Building Use Restriction
- Land Use Restriction

River Road

- Fencing/Access Control
- Cover System
- Groundwater Treatment System
- Monitoring Plan
- O&M Plan
- Leachate Collection

As provided in previous PRR and Annual Reports, **Table 2.1 and Table 2.1a** provide brief descriptions of the controls for each site based on GES' and the PRP Group's understanding of the control, the monitoring program and frequency, and notation of any deficiencies/corrective measures for the reporting period. The completed Institutional and Engineering Controls Certification Form for each site are provided in **Appendix E**.

2.2 GROUNDWATER QUALITY MONITORING

The monitoring wells and sumps were sampled in accordance with the OM&M Manual. Groundwater quality in the intermediate/deep zone was monitored at nine locations, including seven monitoring wells (MW-1 through MW-7) and two former recovery wells (RW-4 and RW-5). The shallow groundwater quality was monitored at the four sumps (S-1 through S-4) located in the collection trench. The monitoring wells and sumps were sampled on May 15 and 16, 2013. Sample results are summarized in **Section 3**. Complete results, including quality assurance/quality control (QA/QC) sample results, are provided in **Appendix A**. Analytical summaries of all monitoring performed from 1997 through 2013 are provided in **Appendix B**.

The collection trench sump samples were analyzed for target compound list (TCL) volatile organic compounds (VOCs), TCL semi-volatile organic compounds (SVOCs), TCL pesticides/polychlorinated biphenyls (PCBs), and target analyte list (TAL) metals, and cyanide. The monitoring well samples in the intermediate/deep aquifer were analyzed for TCL VOCs, TCL SVOCs, and Total PCBs. Associated QA/QC samples were collected, including one field

duplicate and two trip blanks. The purge water and decontamination water was contained and treated in the onsite water treatment plant.

Following collection, the samples were packed in ice and shipped via same-day delivery to an approved laboratory in accordance with chain-of-custody procedures. Groundwater sample analyses were performed by TestAmerica, Inc. (TestAmerica) of Amherst, New York.

2.3 SURFACE WATER QUALITY MONITORING

There was no surface water in any of the surface water sampling points during the 2013 sampling events.

2.4 WATER LEVEL MONITORING

Quarterly water level monitoring was completed in March, May, September, and December, 2013. In addition to the water level measurements, the thickness of LNAPL, if present, was measured and recorded. An oil/water interface probe was used to measure levels with an accuracy of approximately 0.01 feet. Groundwater elevation data for the reporting period is provided in **Table 2.2**. The contour maps and hydrographs are discussed in **Section 3**. A historical water level database is provided in **Appendix B**.

Groundwater levels were measured at each of the following locations:

- The intermediate/deep groundwater monitoring wells MW-1 through MW-7, RW-4, and RW-5. The monitoring wells (MW-1 through MW-7) were installed to assess groundwater quality and efficiency of the former groundwater extraction system. The water level data collected from the monitoring wells is used to construct groundwater contour maps for the site.
- Observation wells OW-1 through OW-9. The observation wells were installed to measure the hydraulic gradient of shallow groundwater. The hydrographs constructed from the data are used to show that the shallow groundwater is flowing towards the Niagara River, which is ultimately intercepted by the shallow collection trench.
- Sumps S-1 through S-4. The sumps were installed to assess the shallow groundwater quality and to collect LNAPL, if present. The hydrograph constructed provides a comparison of the water level in the sumps and the water level in the river.

2.5 CAP INSPECTION AND MAINTENANCE ACTIVITIES

During the reporting period, routine cap/site inspections were completed by GES on a monthly basis, in conjunction with the routine site visits. Two formal semi-annual cap inspections were completed with NYSDEC on June 5, 2013 and November 6, 2013. The cap

and site are inspected for excessive debris, litter and waste; loss of vegetative cover; integrity of the drainage system; condition of access roads, gates, and fencing; integrity of groundwater monitoring and observation wells; and integrity of the cover system.

- During the routine monthly inspections and NYSDEC inspections, there was no evidence of damage to the fencing, access gates, signage, treatment building, or exterior lighting at the treatment building observed. The monitoring and observation wells, and interceptor trench sumps were observed to be in good condition. There was no evidence of damage to the cover system or notation of excessive debris/litter.

As part of the maintenance activities, the wooded upland and wetland habitats were inspected routinely. In general, the constructed shoreline vegetation is continuing to grow and propagate, and wildlife usage of the created habitats is readily apparent.

2.6 GROUNDWATER TREATMENT SYSTEM OPERATION & MAINTENANCE

In accordance with the Town of Tonawanda Industrial Sewer Connection Permit for the site, GES collects monthly and semi-annual treatment system samples for laboratory analyses. Treatment system samples are collected from the sump influent, between carbon vessels, immediately following carbon treatment, prior to the second bag filter (ML-1), and following final pH adjustment, prior to discharge to the Town (ML-2). Monthly analyses include PCBs and oil & grease. Semi-annual analyses include biochemical oxygen demand (BOD), total suspended solids (TSS), total phosphorus, zinc and total petroleum hydrocarbons. Treatment system analytical results for 2013 and a copy of the Industrial Sewer Connection Permit are provided in **Appendix D**.

Maintenance was performed on various components of the groundwater treatment system throughout the year. The maintenance operations were either scheduled preventive maintenance, or as necessary to maintain system compliance. Significant non-routine maintenance operations performed between January 1 and December 31, 2013 are provided in **Table 2.3** and are discussed in **Section 3**.

2.7 WASTE

On August 2, 2013, two 55-gallon drums containing spent carbon from the partial carbon change out and one drum of PPE were collected for disposal by Clean Harbors Environmental Services, Inc. (CHES) of East Syracuse, New York and transported to Clean Harbors Deer Park, LLC disposal facility in Cincinnati, Texas. Copies of the hazardous waste manifests are provided in **Appendix F**.

SECTION 3
MONITORING SUMMARY

3.1 GROUNDWATER QUALITY

Annual sampling conducted on May 15 & 16, 2013, included the collection of groundwater samples from monitoring wells to assess intermediate/deep groundwater quality, and from the sumps located in the shallow collection trench, to assess shallow groundwater quality. Groundwater samples were collected from nine groundwater monitoring wells (MW-1 through MW-7, RW-4, and RW-5) and four sumps (S-1 through S-4).

The 2013 intermediate/deep groundwater and the shallow groundwater analytical data is summarized in **Table 3.1** and **Table 3.2** providing detected compounds only. A groundwater analytical data table providing complete results for all wells sampled during the May 2013 groundwater sampling event is included in **Appendix A**. Groundwater sample results were compared to the Class GA Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations found in NYSDEC Technical and Operational Guidance Series (1.1.1). The complete laboratory report for the current reporting period is also provided in **Appendix A**. Historically detected compounds for all samples collected to date are summarized in **Appendix B**, and is arranged by sampling location to facilitate comparison of concentrations at each sampling point over time. Copies of the groundwater sampling logs are provided in **Appendix C**.

3.1.1 Intermediate/Deep Groundwater Quality

INTERMEDIATE/DEEP GROUNDWATER SAMPLING – MAY 2013

In the intermediate/deep groundwater samples, VOCs were not detected in wells MW-1, MW-2, MW-3, MW-4, MW-6, MW-7 and RW-5. VOCs have been absent from most of these monitoring points since November 2008. VOCs were detected in concentrations exceeding Class GA quality standards/guidance values in wells MW-5 and RW-4.

SVOC concentrations exceeding Class GA quality standards/guidance values were detected in wells MW-1 through MW-7 but SVOC concentrations remain less than 5 µg/l for wells MW-3, MW-4, MW-6, MW-7, RW-4 and RW-5. The concentrations in MW-1, MW-2, and MW-4 appeared to increase during the most recent event.

PCBs were not detected in any well in 2013.

Total VOC, SVOC, and PCB concentration trends for all wells sampled are provided in **Figure 3.1a, Figure 3.1b, and Figure 3.1c**, respectively.

3.1.2 Shallow Groundwater Quality

SHALLOW GROUNDWATER SAMPLING – MAY 2013

VOCs were not detected in concentrations exceeding Class GA quality standards/guidance values in samples S-1, S-2 and S-3. Only two VOC compounds were detected above Class GA quality standards/guidance values in the sample from S-4 and then at total concentrations less than 15 µg/l.

SVOCs were detected in concentrations exceeding Class GA quality standards/guidance values in all sumps, but the single detection of 2,4-Dimethylphenol was just slightly above the standard/guidance value in S-1 and S-2. The total SVOC concentrations in samples S-3 and S-4 are within the historical range for these monitoring points.

Pesticides were detected in samples S-2 and S-4 at concentrations exceeding Class GA quality standards/guidance values, but at very low concentrations. No pesticides were detected above standards/guidance values in samples S-1 and S-3.

PCBs were absent in samples S-1 and S-2 but detected in concentrations exceeding Class GA quality standards/guidance values in samples S-3 and S-4 at concentrations of 0.24 and 2.2 µg/l, respectively.

The metals iron, manganese, and sodium exceeded standards/guidance in one or more samples but the total RCRA 8 metals concentrations have shown a relative decreasing trend since 2006.

Total VOC, SVOC, PCB, Pesticide, and 8-RCRA Metal concentration trends for all sumps sampled are provided in **Figure 3.1d, Figure 3.1e, Figure 3.1f, Figure 3.1g, and Figure 3.1h**, respectively.

No sheen was observed in any of the sumps during the May 2013 sampling event. The last noted measurable LNAPL was identified in August 2004, when 1/8-inch of LNAPL was recorded in sumps S-1 and S-3.

3.1.3 Surface Water Quality

Surface water was not present at sampling location SW-1, SW-2 or SW-3 during the May 2013 sampling event. A summary of historically detected compounds in surface water is provided in **Appendix B**.

3.1.4 Intermediate/Deep Groundwater Flow

Intermediate/deep zone groundwater contour maps were developed based on the March, May, September, and December 2013 water level data (**Figures 3.2a-d**). As has been consistently observed, the flow direction is primarily westerly, towards the Niagara River. The

2013 groundwater elevation data is provided in **Table 2.2** and hydrographs, representing the past five years, are provided in **Figures 3.3a-d**. Historical water level data and hydrographs for the monitoring wells are provided in **Appendix B**.

3.2 EFFECTIVENESS OF THE SHALLOW COLLECTION TRENCH

3.2.1 System Description

The shallow collection trench consists of a series of four shallow trenches comprised of a granular drainage material (silica filter sand), and lined with an impermeable geomembrane on the downgradient (river side) trench wall. The collection trench was modeled and designed without the trench membrane barrier. The barrier was subsequently added to minimize, but not eliminate, the rate of groundwater contribution from the Niagara River into the shallow collection trench. The system was designed as a groundwater sink to capture shallow groundwater and LNAPL. Four sumps, located within the trench, pump groundwater into a conveyance pipeline. This pipeline then conveys the water to the on-site treatment plant.

Eleven observation wells were installed to monitor groundwater elevations and hydraulic gradients in the vicinity of the trench. Six observation wells (OW-1, OW-3, OW-4, OW-6, OW-7, and OW-8) were installed adjacent to the trench system on the upgradient side. Observation wells OW-2 and OW-5 were installed further upgradient, at 14 feet (elevation) above the trench. OW-9 was installed 15 feet above the trench, adjacent to the former SDA.

3.2.2 System Effectiveness

During system operation, the average flow rate for 2013 was approximately 4.88 gallons per minute (gpm), which is lower when compared to the average flow rate for 2012 (5.78 gpm), 2011 (6.84 gpm) and the 2010 (7.3 gpm) average flow rates. The system up-time for 2014 was approximately 99%, which is higher when compared to 2012 (95%). Approximately 2,554,282 gallons of groundwater were treated and discharged to the Town of Tonawanda Wastewater Treatment Facility during 2013. Based on the annual sampling data from the remedial system sumps and the total gallons treated and discharged by the system in 2013, approximately 0.116 pounds of VOCs, 1.135 pounds of SVOCs, 0.009 pounds of pesticides and 0.016 pounds of PCBs were removed in 2013. This data is provided in **Table 3.3**. No surface overflows were observed from the trench during the reporting period.

Hydrographs for the sumps and shallow observation wells, representing the past five years, are provided in **Figures 3.4a, 3.4b, and 3.4c**, and the 2013 groundwater elevation data is provided in **Table 2.2**. Historical water level data and hydrographs for the sumps and observation wells are provided in **Appendix B**. Water table elevations for the nine observation wells in 2013 were higher than the Niagara River. Historic water table elevations for the nine observation wells have generally been higher than the water elevation of the Niagara River. This indicates that shallow groundwater is flowing towards the Niagara River, which is then intercepted by the passive shallow groundwater trench. Water table elevations for the four sumps in 2013 were higher than the Niagara River. In reviewing the hydrographs for the sumps, historic water table elevations have generally remained slightly above the water elevation of the Niagara River.

SECTION 4
SUMMARY, CONLUSIONS AND RECOMMENDATIONS

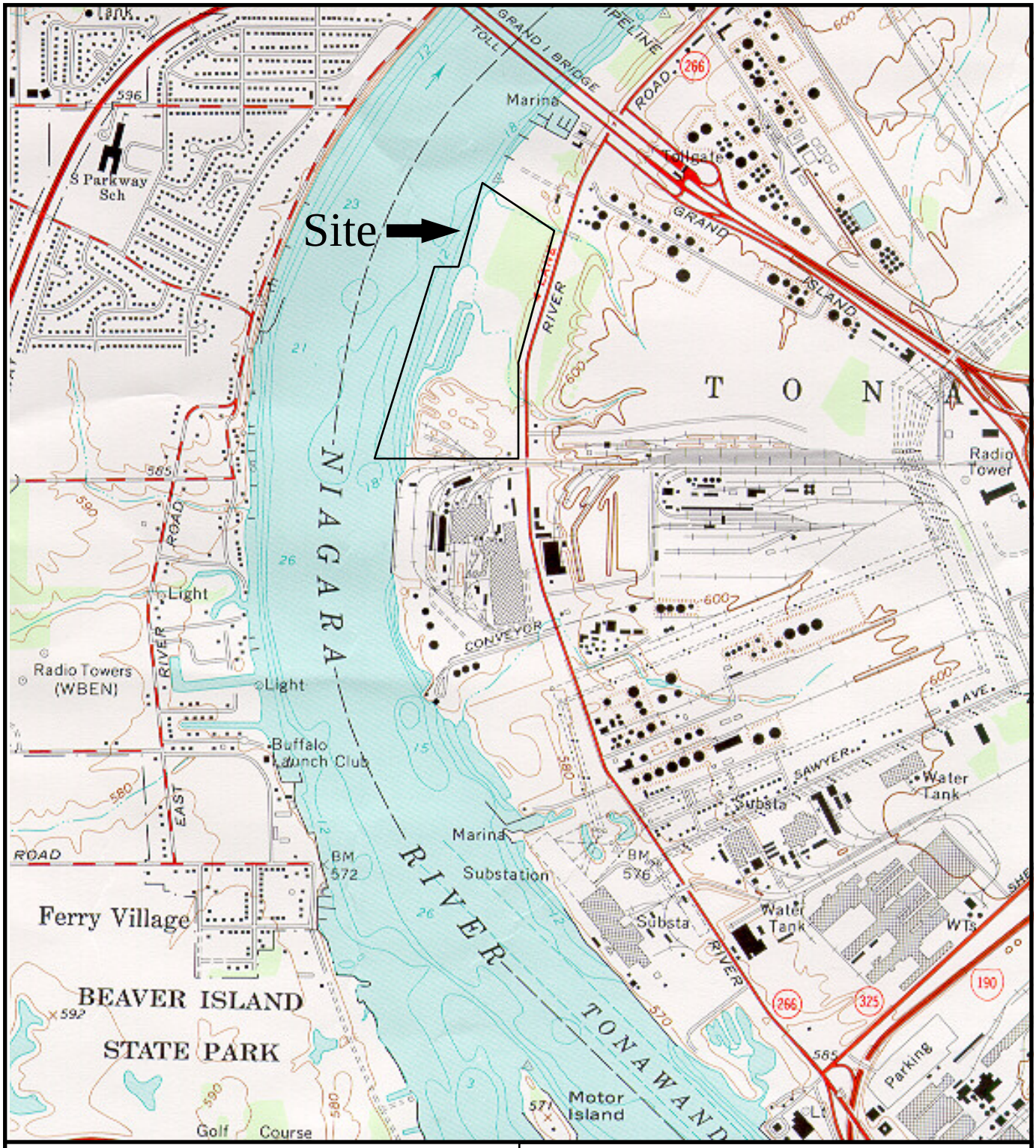
The objective of the post-construction monitoring program was to monitor and evaluate the Site groundwater and surface water quality, and the effectiveness of the shallow extraction system. The primary conclusions derived from the monitoring program are summarized below.

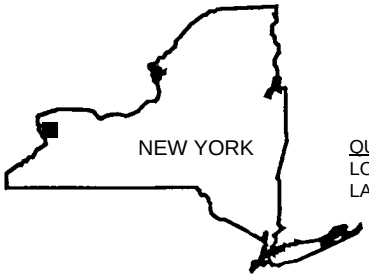
- May 2013 Intermediate/deep Aquifer - VOCs were not detected in wells MW-1, MW-2, MW-3, MW-4, MW-6, MW-7 and RW-5. VOCs have been absent from most of these monitoring points since November 2008. SVOC concentrations exceeding Class GA quality standards/guidance values were detected in wells MW-1 through MW-7 but SVOC concentrations remain less than 5 µg/l for wells MW-3, MW-4, MW-6, MW-7, RW-4 and RW-5. PCBs were not detected in any well.
- May 2013 Shallow Groundwater - VOCs were not detected in concentrations exceeding Class GA quality standards/guidance values in samples S-1, S-2, and S-3. Only two VOC compounds were detected above Class GA quality standards/guidance values in the sample from S-4 and then at total concentrations less than 15 µg/l. SVOCs were detected in concentrations exceeding Class GA quality standards/guidance values in all sumps, but the single detection of 2,4-Dimethylphenol was just slightly above the standard/guidance value in S-1 and S-2. Pesticides were detected in samples S-2 and S-4 at concentrations exceeding Class GA quality standards/guidance values, but at very low concentrations. No pesticides were detected above standards/guidance values in samples S-1 and S-3. PCBs were absent in samples S-1 and S-2 but detected in concentrations exceeding Class GA quality standards/guidance values in samples S-3 and S-4 at concentrations of 0.24 and 2.2 µg/l, respectively. The metals iron, manganese, and sodium exceeded standards/guidance in one or more samples but the total RCRA 8 metals concentrations have shown a relative decreasing trend since 2006.
- No LNAPL has been identified in any of the wells or sumps since August 2004. There was no surface water present in any of the surface water sampling points at the time of the May 2013 sampling event.
- There were no deficiencies noted during GES's routine monthly cap inspections or during the semi-annual cap inspections with NYSDEC in June 2013 and November 2013.
- During system operation, the average flow rate for 2013 was approximately 4.88 gpm, which is lower when compared to the average flow rate for 2012 (5.78 gpm), 2011 (6.84 gpm) and the 2010 (7.3 gpm) average flow rates. The system up-time for 2014 was approximately 99%, which is higher when compared to 2012 (95%). Approximately 2,554,282 gallons of groundwater were treated and discharged to the Town of Tonawanda Wastewater Treatment Facility during 2013. Based on the annual sampling data from the remedial system sumps and the total gallons treated

and discharged by the system in 2013, approximately 0.116 pounds of VOCs, 1.135 pounds of SVOCs, 0.009 pounds of pesticides and 0.016 pounds of PCBs were removed in 2013. No surface overflows were observed from the trench during the reporting period.

- Monthly analytical discharge data for the reporting period indicates that the treatment system had been operating/discharging in accordance with the Town of Tonawanda sewer discharge permit.
- Periodic Review Reports will continue to be submitted on an annual basis.

FIGURES





N

QUADRANGLE LOCATION
LONGITUDE: 78º 52' 30"
LATITUDE: 42º 52' 30"

SOURCE: U.S.G.S. 7.5 SERIES BUFFALO NW, New York-Ont (TOPOGRAPHIC), 1965

Figure 1.1

Cherry Farm/River Road Site PRP Group
Cherry Farm/River Road Site

SITE LOCATION MAP

GROUNDWATER & ENVIRONMENTAL SERVICES, INC.
158 SONWIL DRIVE, CHEEKTOWAGA, NEW YORK 14225-5514

RIVER ROAD
RIVER WALK PATH
RIVER ROAD
RIVER WALK PATH
RIVER WALK PATH
MW1
MW2
ACCESS GATE
38" X 57" CULVERT
STONE PARKING LOT
STONE ACCESS ROAD
MW3
CHERRY FARM SITE
(NYSDEC SITE NO. 9-15-063)
SW-1
OW1
S1
OW2
MW4
DRAINAGE EASEMENT
BARRIER ISLAND
GABION WALL
OW3
RW4
S2
MW5
NIAGARA RIVER
BARRIER ISLAND
OW4
OW5
U.S. HARBOR LINE
GABION WALL
RW5
BARRIER ISLAND
RIVER ROAD SITE
(NYSDEC SITE
NO. 9-15-031)
DRAINAGE SWALE
DRAINAGE SWALE
MW7
12" CMP
12" CMP
GROUNDWATER TREATMENT PLANT
S3
GABION WALL
STAFF GAUGE
OW6
OW9
U.S. HARBOR LINE
OW7
S4
MW6
OW8
SW-3
SW-2
NIAGARA RIVER

LEGEND

- PROPERTY BOUNDARY
- FENCE
- TRENCH SUMP
- MONITORING WELL
- OBSERVATION WELL
- SHALLOW GROUNDWATER TRENCH
- GROUNDWATER CONVEYANCE PIPING

DRAFTED BY: W.G.S. (N.J.)	**SITE MAP**
CHECKED BY:	CHERRY FARM (RIVER ROAD SITE) 4100 RIVER ROAD TONAWANDA, NEW YORK
REVIEWED BY:	Groundwater & Environmental Services, Inc. 158 SONWIL DRIVE, CHEEKTOWAGA, NEW YORK 14225
NORTH	SCALE IN FEET: 0 APPROXIMATE 250 / DATE: 4/23/2012 / FIGURE: 1.2

M:\Graphics\0900-Buffalo\Misc\Cherry Farms\Tonawanda\Cherry Farms (Tonawanda)SM.dwg, 3/18/2008 11:03:42 AM, WShea

Figure 3.1a
Monitoring Well Concentration Trend
Total VOCs

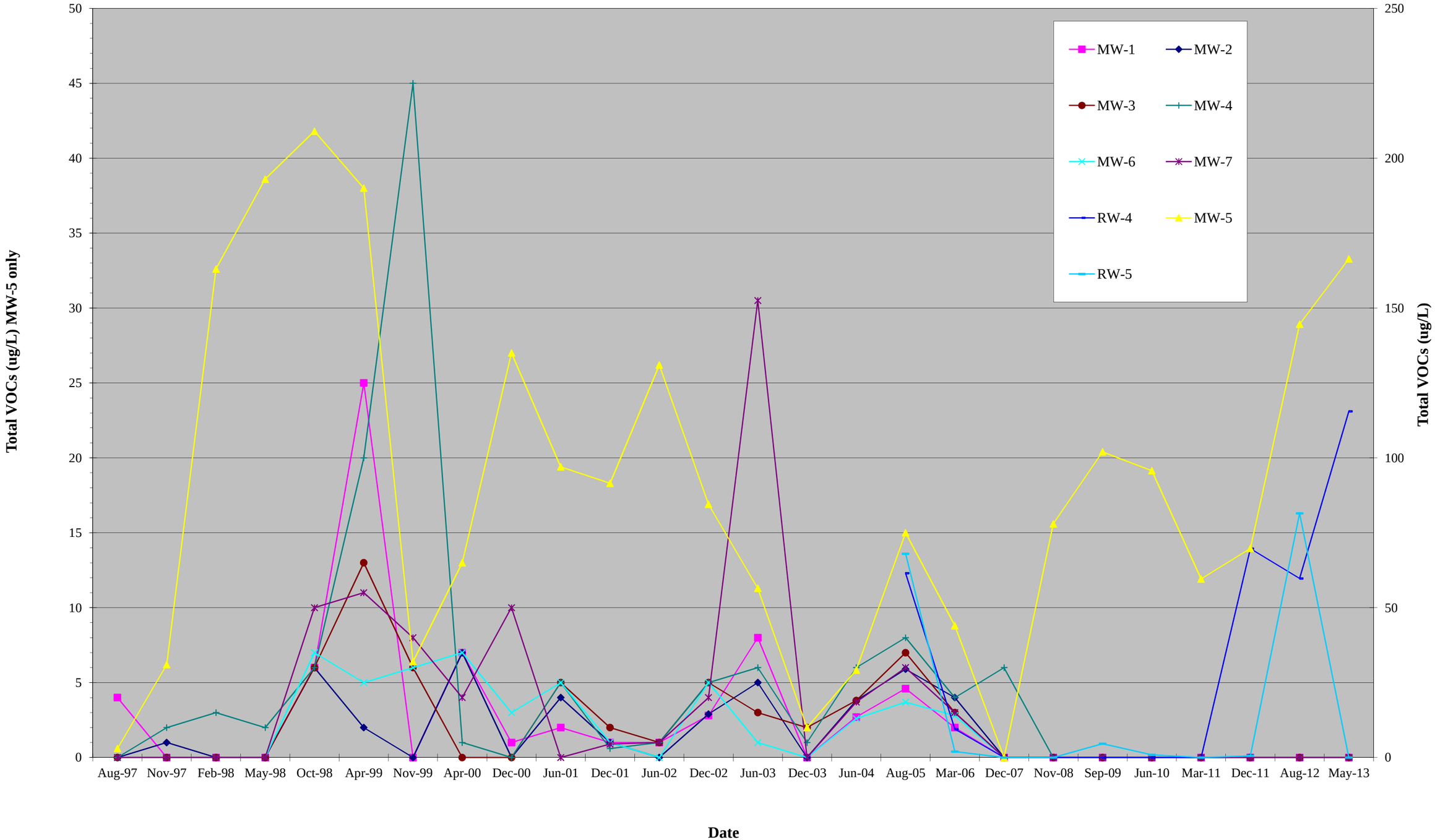


Figure 3.1b
Monitoring Well Concentration Trend
Total SVOCs

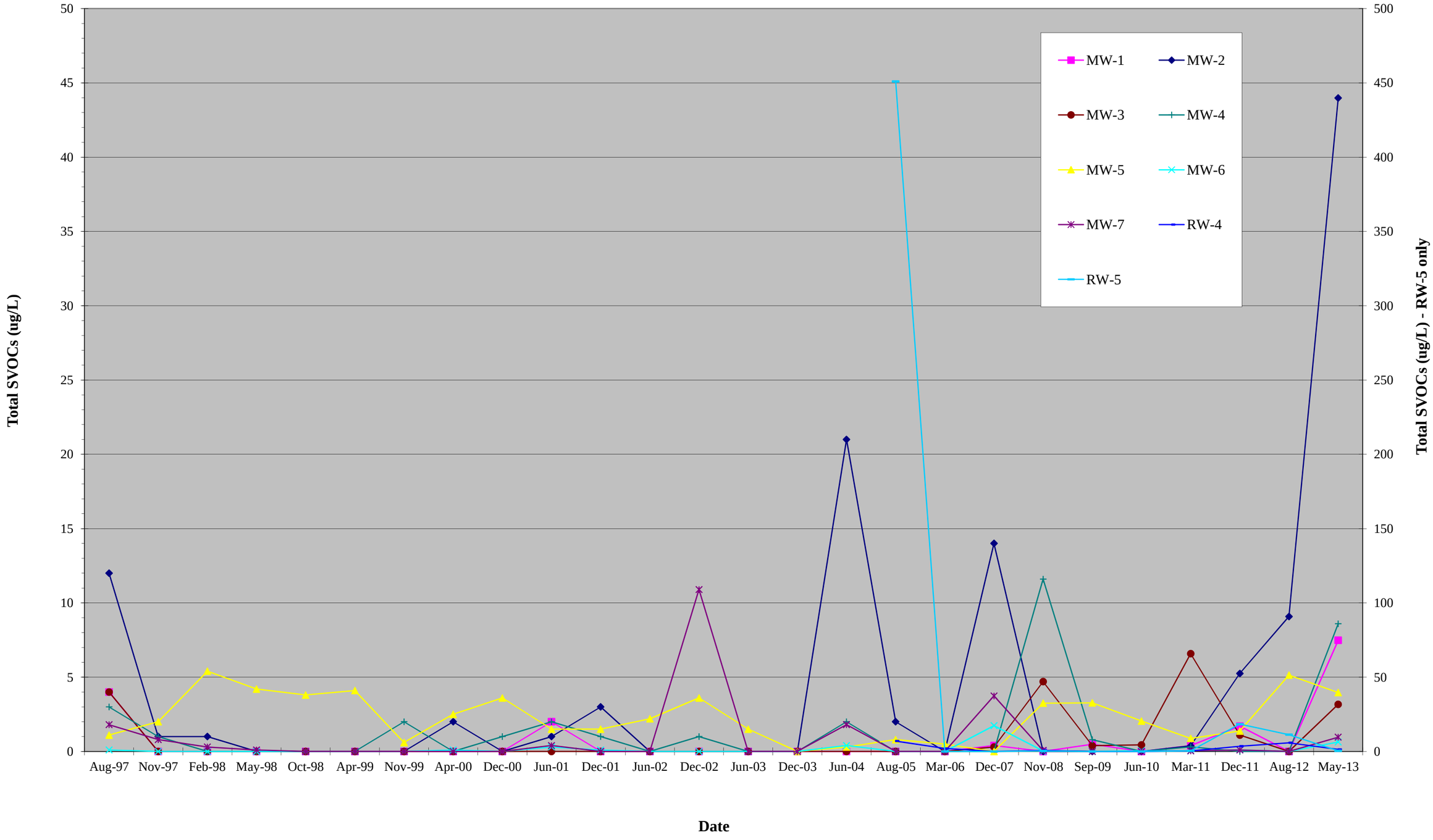


Figure 3.1c
Monitoring Well Concentration Trend
Total PCBs

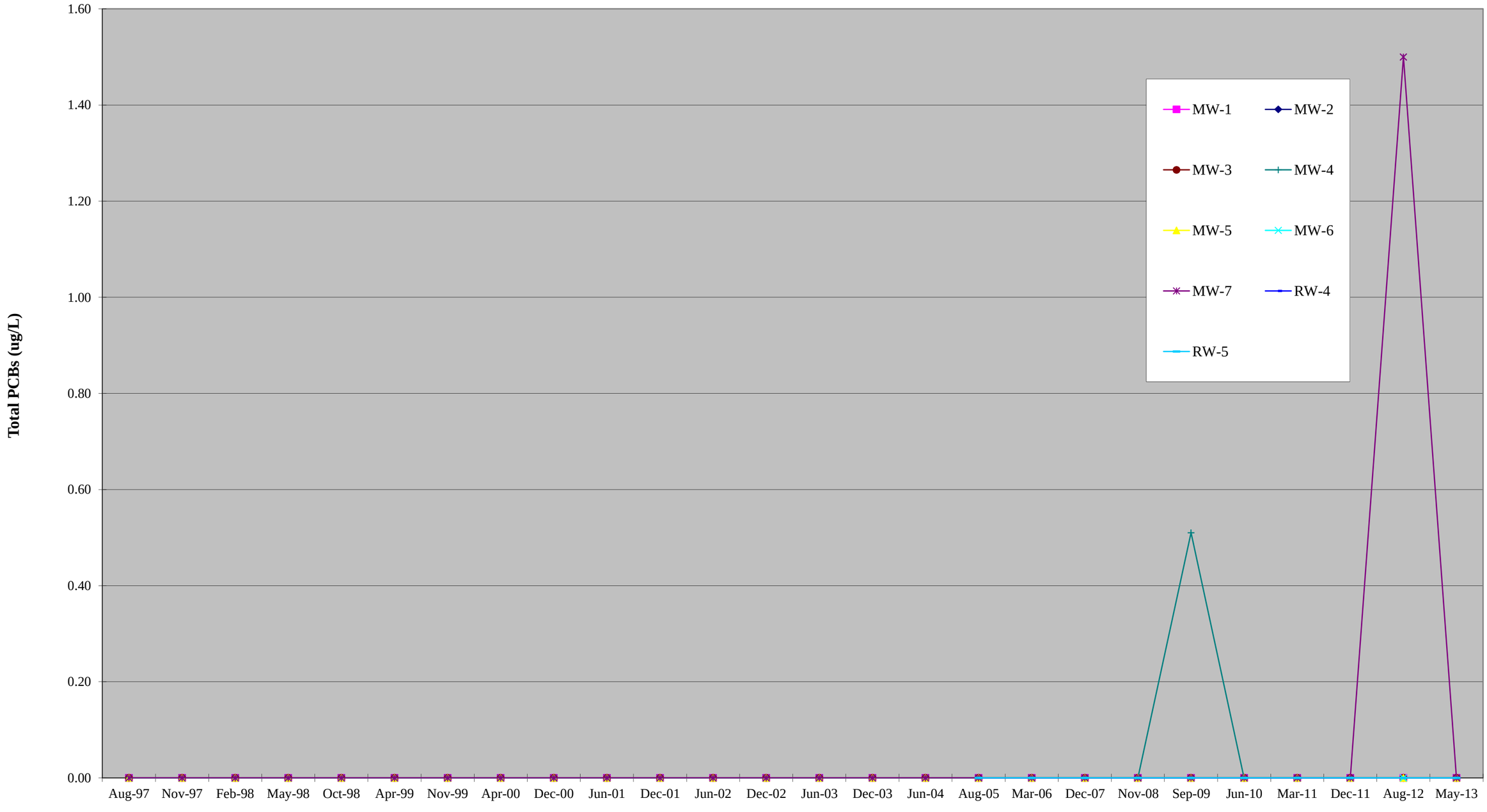


Figure 3.1d
Sump Concentration Trend
Total VOCs

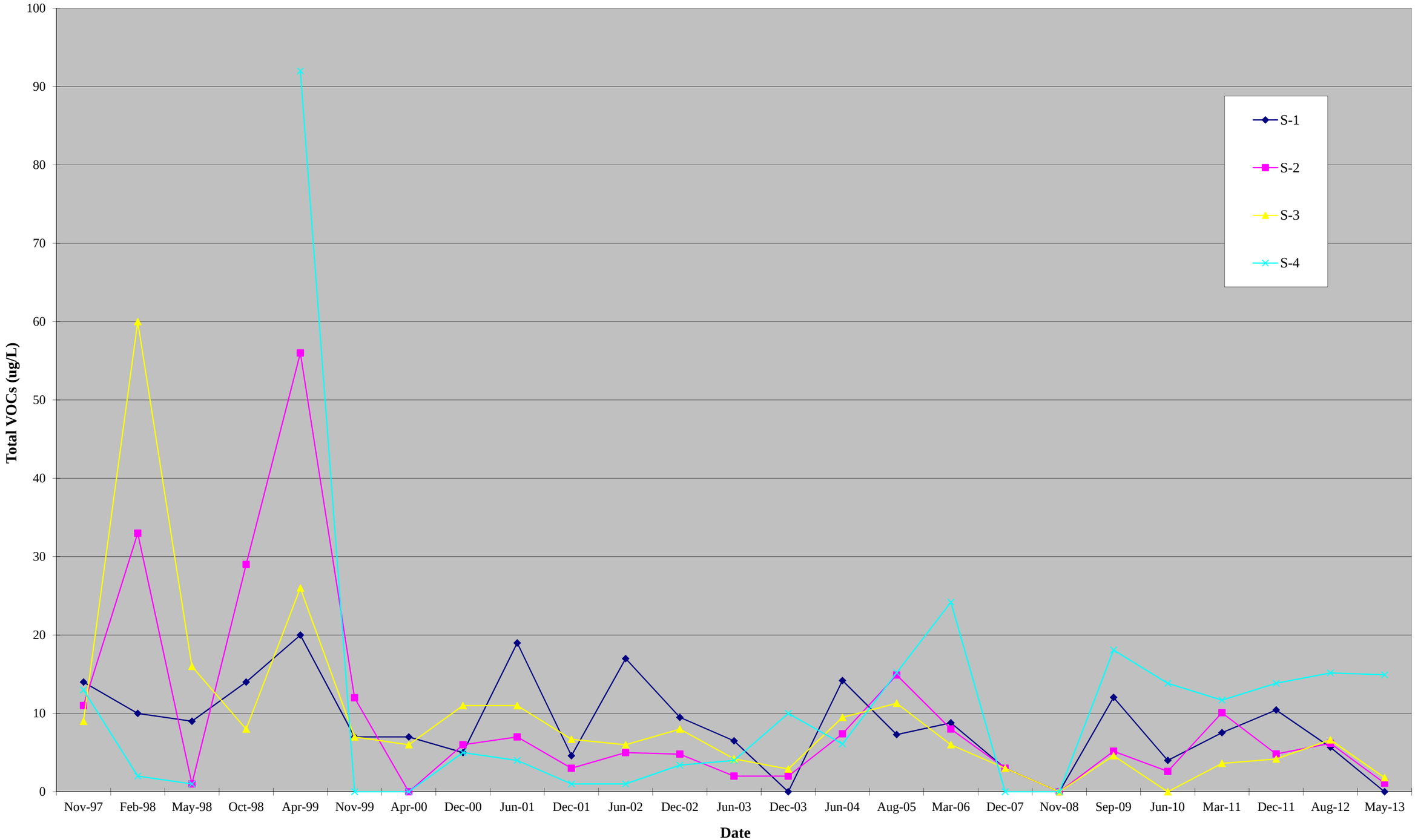


Figure 3.1e
Sump Concentration Trend
Total SVOCs

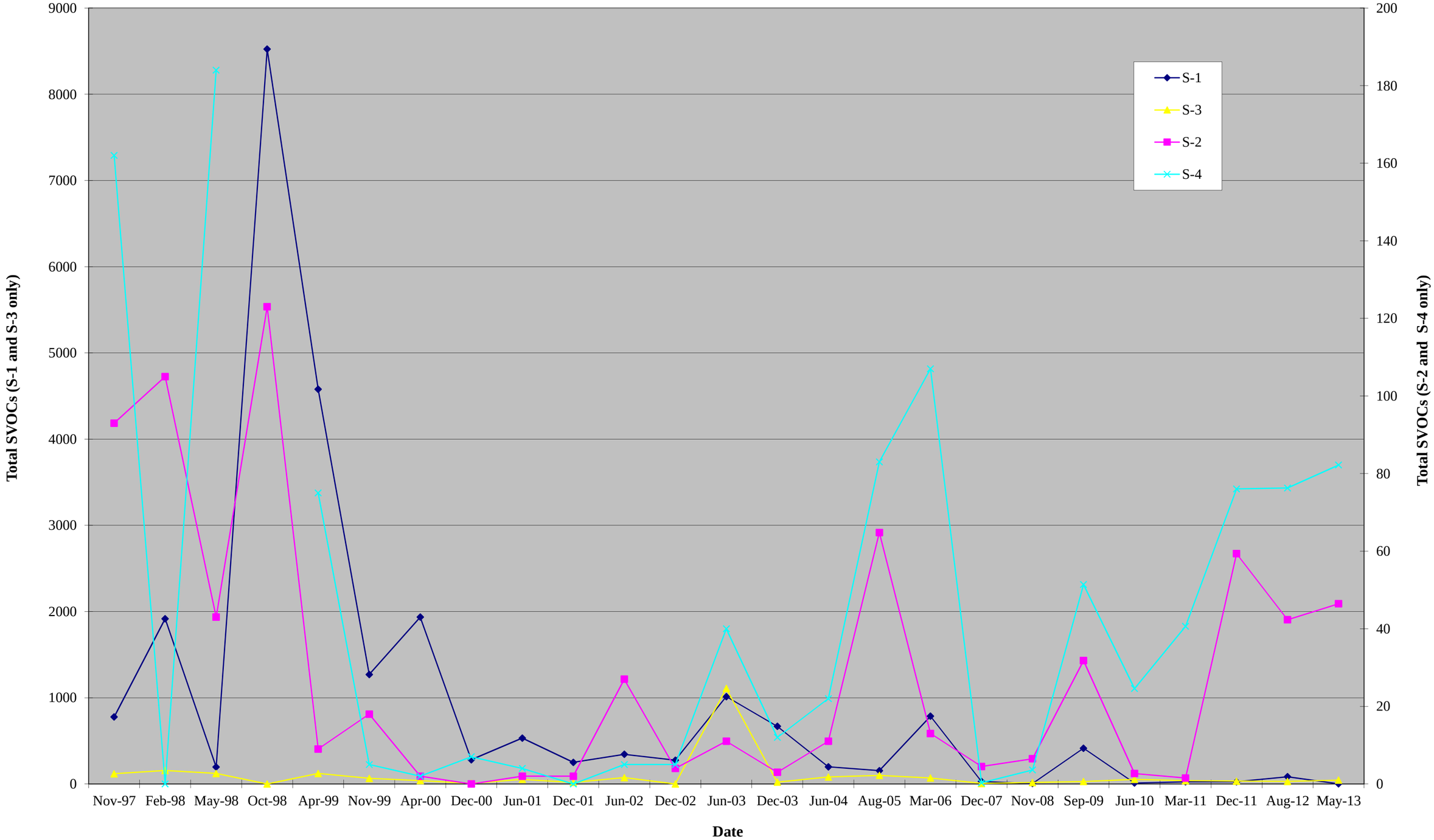


Figure 3.1f
Sump Concentration Trend
Total PCBs

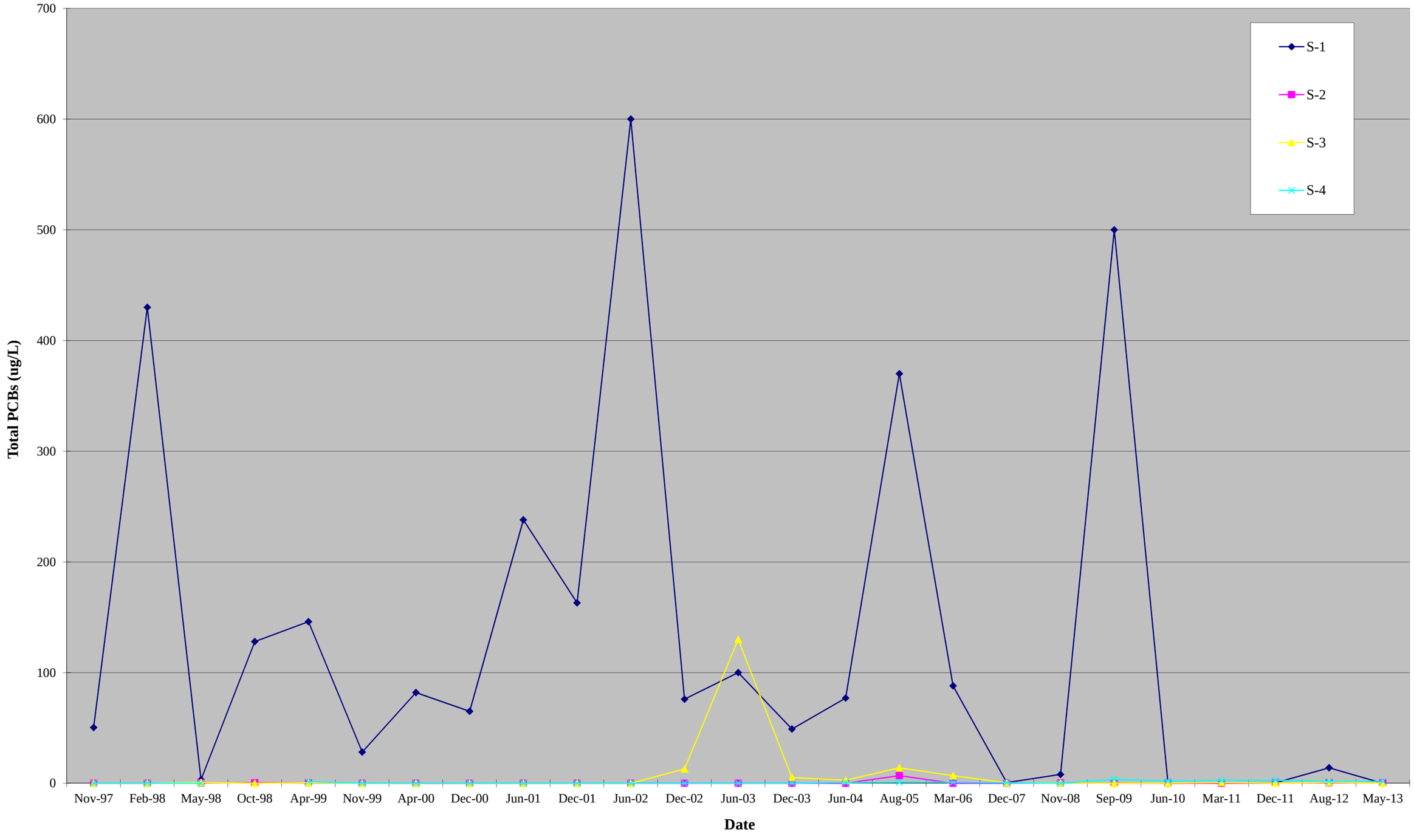


Figure 3.1g
Sump Concentration Trend
Total Pesticides

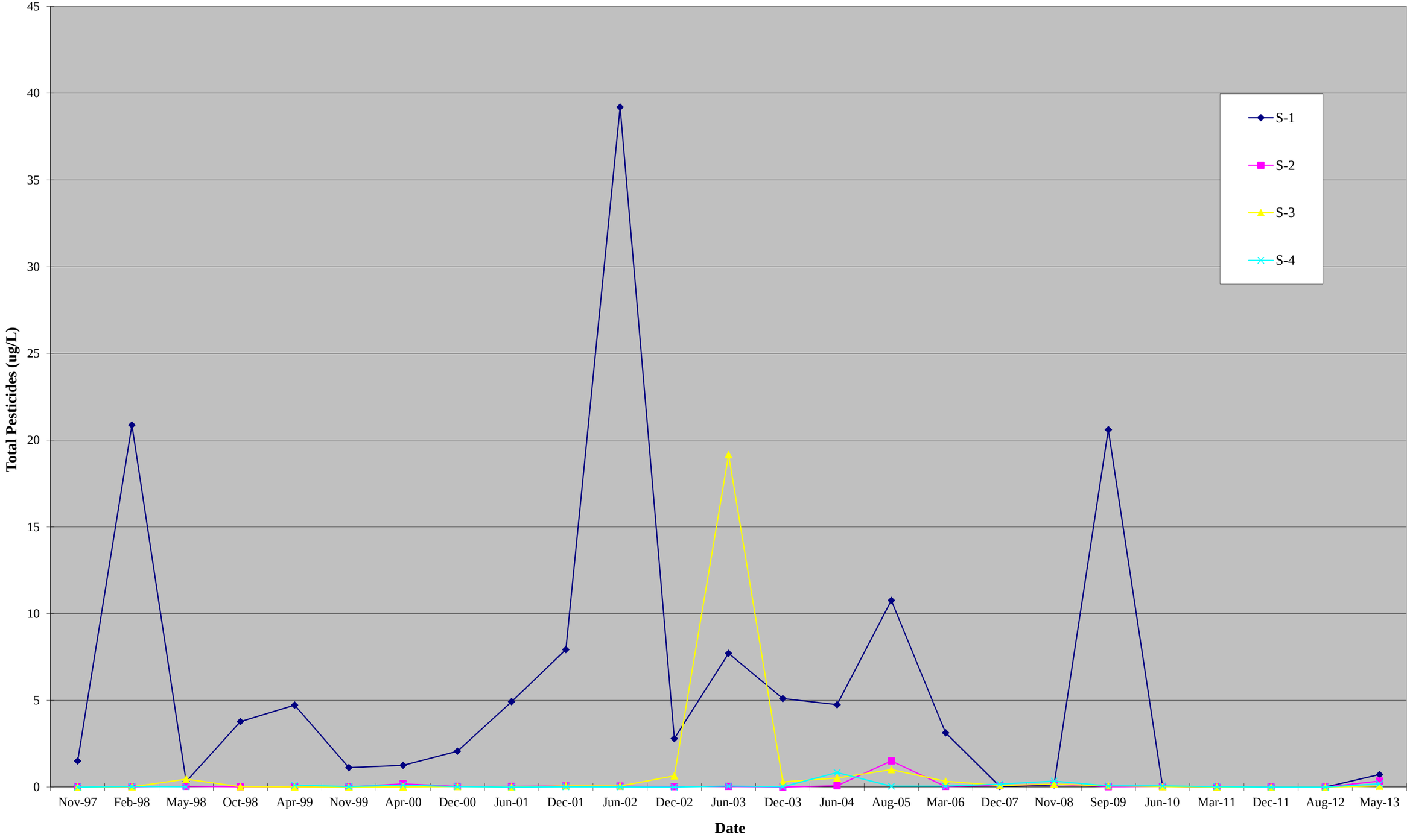
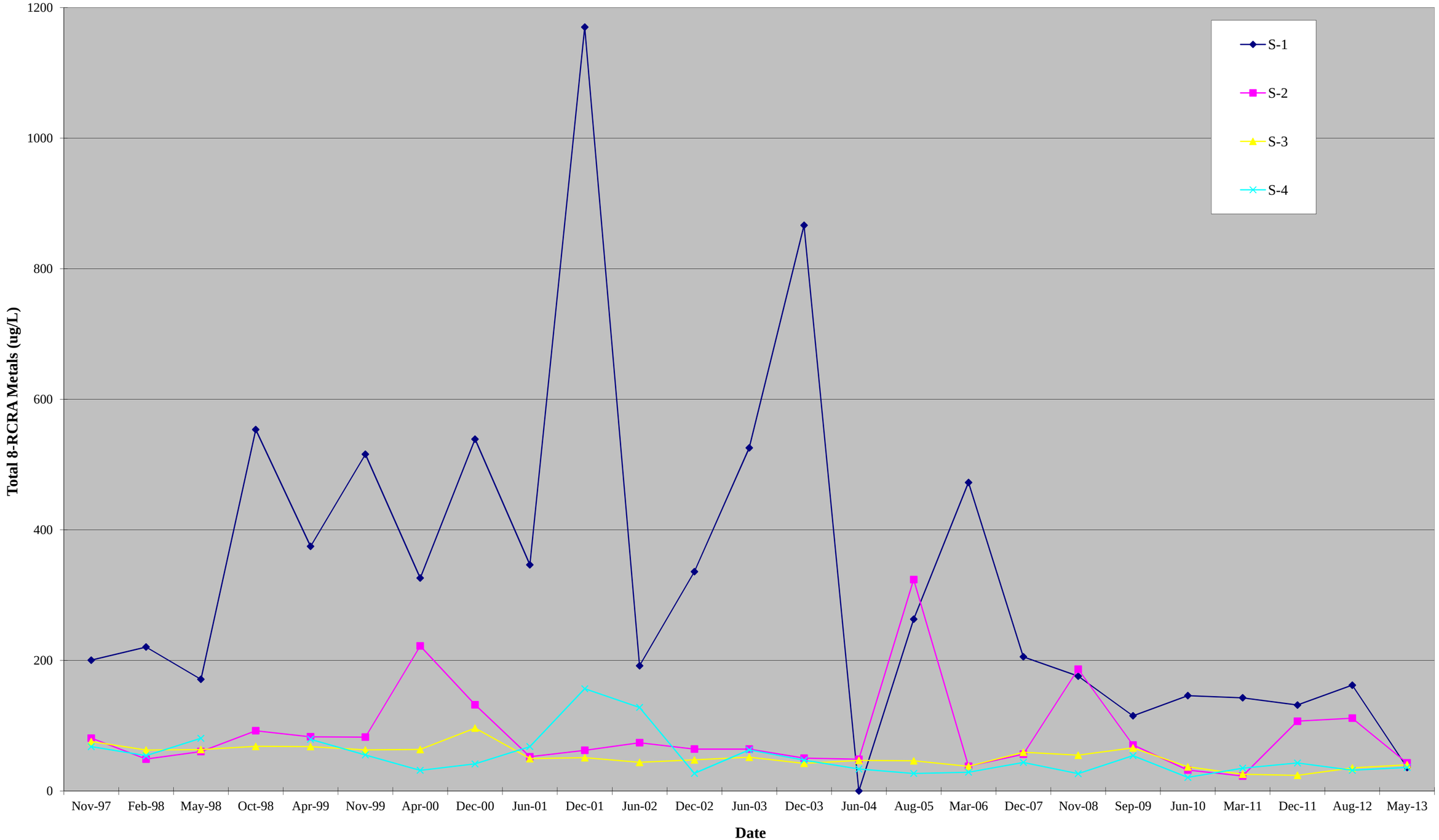


Figure 3.1h
Sump Concentration Trend
Total 8-RCRA Metals



RIVER ROAD
RIVER WALK PATH
565.00
MW1
(565.54)
ACCESS GATE
38" X 57" CULVERT
STONE PARKING LOT
(564.74)
MW3
SW-1
OW1
S1
OW2
MW4
570.00
CHERRY FARM SITE
(NYSDEC SITE NO. 9-15-063)
STONE ACCESS ROAD
BARRIER ISLAND
GABION WALL
OW3
(564.83)
RW4
S2
(564.60)
MW5
OW4
(564.65)
RW5
OW5
NIAGARA RIVER
U.S. HARBOR LINE
BARRIER ISLAND
GABION WALL
BARRIER ISLAND
GABION WALL
S3
OW6
(564.15)
RIVER 565-79
STAFF GAUGE
U.S. HARBOR LINE
570.00
RIVER ROAD
RIVER WALK PATH
(564.71)
MW2
DRAINAGE EASEMENT
DRAINAGE SWALE
RIVER ROAD SITE
(NYSDEC SITE
NO. 9-15-031)
DRAINAGE SWALE
MW7
1-2" COMP
12" COMP
GROUNDWATER TREATMENT PLANT
OW9
OW7
S4
MW6
OW8
SW-3
SW-2
NIAGARA RIVER

LEGEND

- PROPERTY BOUNDARY
- FENCE
- TRENCH SUMP
- MONITORING WELL
- OBSERVATION WELL
- SHALLOW GROUNDWATER TRENCH
- GROUNDWATER CONVEYANCE PIPING
- (564.74) GROUNDWATER ELEVATION (feet)
- GROUNDWATER CONTOUR (feet) DASHED WHERE INFERRED

DRAFTED BY: E.ME. (N.J.)	**GROUNDWATER CONTOUR MAP MARCH 13, 2013**
CHECKED BY:	**CHERRY FARM (RIVER ROAD SITE) 4100 RIVER ROAD TONAWANDA, NEW YORK**
REVIEWED BY:	Groundwater & Environmental Services, Inc. 495 AERO DRIVE, SUITE 3, CHEEKTOWAGA, NEW YORK 14225
NORTH	SCALE IN FEET: 0 APPROXIMATE 250 / DATE: 1-2-14 / FIGURE:

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RIVER ROAD
RIVER WALK PATH
RIVER ROAD
RIVER WALK PATH
MW1
(565.31)
565.50
ACCESS GATE
38" X 57"
CULVERT
RIVER WALK PATH
(565.11)
MW2
STONE PARKING LOT
(565.00)
MW3
STONE ACCESS ROAD
CHERRY FARM SITE
(NYSDEC SITE NO. 9-15-063)
DRAINAGE EASEMENT
SW-1
OW1
S1
OW2
MW4
BARRIER ISLAND
GABION WALL
OW3
(565.13)
RW4
S2
(564.99)
MW5
NIAGARA RIVER
U.S. HARBOR LINE
BARRIER ISLAND
OW4
(564.99)
OW5
RW5
GABION WALL
BARRIER ISLAND
S3
GABION WALL
(564.68)
RIVER 565-79
STAFF GAUGE
U.S. HARBOR LINE
OW6
OW7
S4
MW6
(564.65)
OW8
SW-2
NIAGARA RIVER
RIVER ROAD SITE
(NYSDEC SITE
NO. 9-15-031)
DRAINAGE SWALE
DRAINAGE SWALE
MW7
1-2" COMP
12" COMP
GROUNDWATER TREATMENT PLANT
OW9
565.00
SW-3

LEGEND

- PROPERTY BOUNDARY
- FENCE
- TRENCH SUMP
- MONITORING WELL
- OBSERVATION WELL
- SHALLOW GROUNDWATER TRENCH
- GROUNDWATER CONVEYANCE PIPING
- (564.68) GROUNDWATER ELEVATION (feet)
- GROUNDWATER CONTOUR (feet) DASHED WHERE INFERRED

DRAFTED BY: E.ME. (N.J.)	GROUNDWATER CONTOUR MAP MAY 15, 2013	
CHECKED BY:	CHERRY FARM (RIVER ROAD SITE) 4100 RIVER ROAD TONAWANDA, NEW YORK	
REVIEWED BY:		
NORTH	Groundwater & Environmental Services, Inc. 495 AERO DRIVE, SUITE 3, CHEEKTOWAGA, NEW YORK 14225	
	SCALE IN FEET 0 APPROXIMATE 250	DATE 1-2-14 / FIGURE

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RIVER ROAD
RIVER WALK PATH
RIVER ROAD
RIVER WALK PATH
RIVER WALK PATH
MW1
ACCESS GATE
38" X 57" CULVERT
565.50
(565.16)
MW2
STONE PARKING LOT
STONE ACCESS ROAD
565.00
(565.40)
MW3
CHERRY FARM SITE
(NYSDEC SITE NO. 9-15-063)
DRAINAGE EASEMENT
SW-1
OW1
S1
OW2
MW4
BARRIER ISLAND
GABION WALL
OW3
(565.28)
RW4
S2
(564.64)
MW5
NIAGARA RIVER
U.S. HARBOR LINE
BARRIER ISLAND
OW4
(565.10)
OW5
RW5
GABION WALL
BARRIER ISLAND
S3
GABION WALL
(564.56)
RIVER 565-79
STAFF GAUGE
U.S. HARBOR LINE
OW6
OW7
S4
MW6
(564.73)
OW8
OW9
SW-2
SW-3
NIAGARA RIVER
DRAINAGE SWALE
RIVER ROAD SITE
(NYSDEC SITE NO. 9-15-031)
DRAINAGE SWALE
(565.25)
MW7
12" CMP
12" CMP
GROUNDWATER TREATMENT PLANT

LEGEND

- PROPERTY BOUNDARY
- FENCE
- TRENCH SUMP
- MONITORING WELL
- OBSERVATION WELL
- SHALLOW GROUNDWATER TRENCH
- GROUNDWATER CONVEYANCE PIPING
- (564.56) GROUNDWATER ELEVATION (feet)
- GROUNDWATER CONTOUR (feet) DASHED WHERE INFERRED

DRAFTED BY: E.ME. (N.J.)
CHECKED BY:
REVIEWED BY:
NORTH

GROUNDWATER CONTOUR MAP
SEPTEMBER 27, 2013

CHERRY FARM
(RIVER ROAD SITE)
4100 RIVER ROAD
TONAWANDA, NEW YORK

Groundwater & Environmental Services, Inc.
495 AERO DRIVE, SUITE 3, CHEEKTOWAGA, NEW YORK 14225

SCALE IN FEET	DATE	FIGURE
0 APPROXIMATE 250	1-2-14	

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RIVER WALK PATH

RIVER ROAD

RIVER WALK PATH

MW1

ACCESS GATE

38" X 57" CULVERT

RIVER WALK PATH

(565.06) MW2

565.00

STONE PARKING LOT

STONE ACCESS ROAD

(564.89) MW3

CHERRY FARM SITE
(NYSDEC SITE NO. 9-15-063)

SW-1

OW1

S1

OW2

MW4 (565.38)

DRAINAGE EASEMENT

BARRIER ISLAND

GABION WALL

OW3

(565.10) RW4

S2

(564.84) MW5

NIAGARA RIVER

BARRIER ISLAND

OW4

(565.05) RW5

OW5

U.S. HARBOR LINE

GABION WALL

BARRIER ISLAND

S3

GABION WALL

(564.35)
RIVER 565-79

STAFF GAUGE

OW6

U.S. HARBOR LINE

OW7

S4

MW6 (564.65)

OW8

OW9

565.00

SW-2

SW-3

NIAGARA RIVER

DRAINAGE SWALE

RIVER ROAD SITE
(NYSDEC SITE NO. 9-15-031)

(565.65)

DRAINAGE SWALE

MW7

12" CMP

12" CMP

GROUNDWATER TREATMENT PLANT

565.50

LEGEND

- PROPERTY BOUNDARY
- FENCE
- TRENCH SUMP
- MONITORING WELL
- OBSERVATION WELL
- SHALLOW GROUNDWATER TRENCH
- GROUNDWATER CONVEYANCE PIPING
- (564.89) GROUNDWATER ELEVATION (feet)
- GROUNDWATER CONTOUR (feet) DASHED WHERE INFERRED

DRAFTED BY: E.ME. (N.J.)	GROUNDWATER CONTOUR MAP DECEMBER 9, 2013
CHECKED BY:	CHERRY FARM (RIVER ROAD SITE) 4100 RIVER ROAD TONAWANDA, NEW YORK
REVIEWED BY:	
NORTH	Groundwater & Environmental Services, Inc. 495 AERO DRIVE, SUITE 3, CHEEKTOWAGA, NEW YORK 14225
	SCALE IN FEET: 0 APPROXIMATE 250 / DATE: 1-22-14 / FIGURE:

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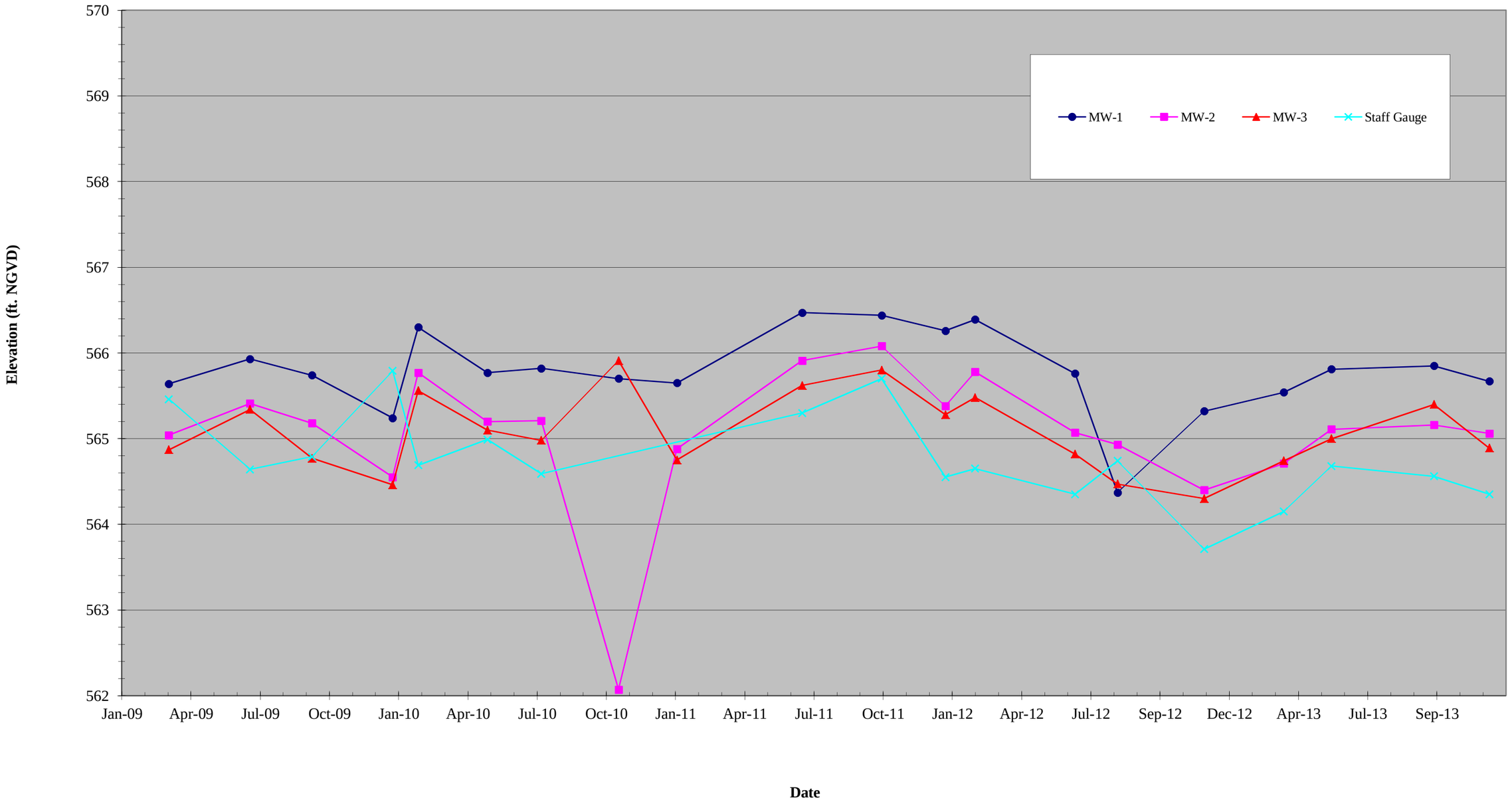
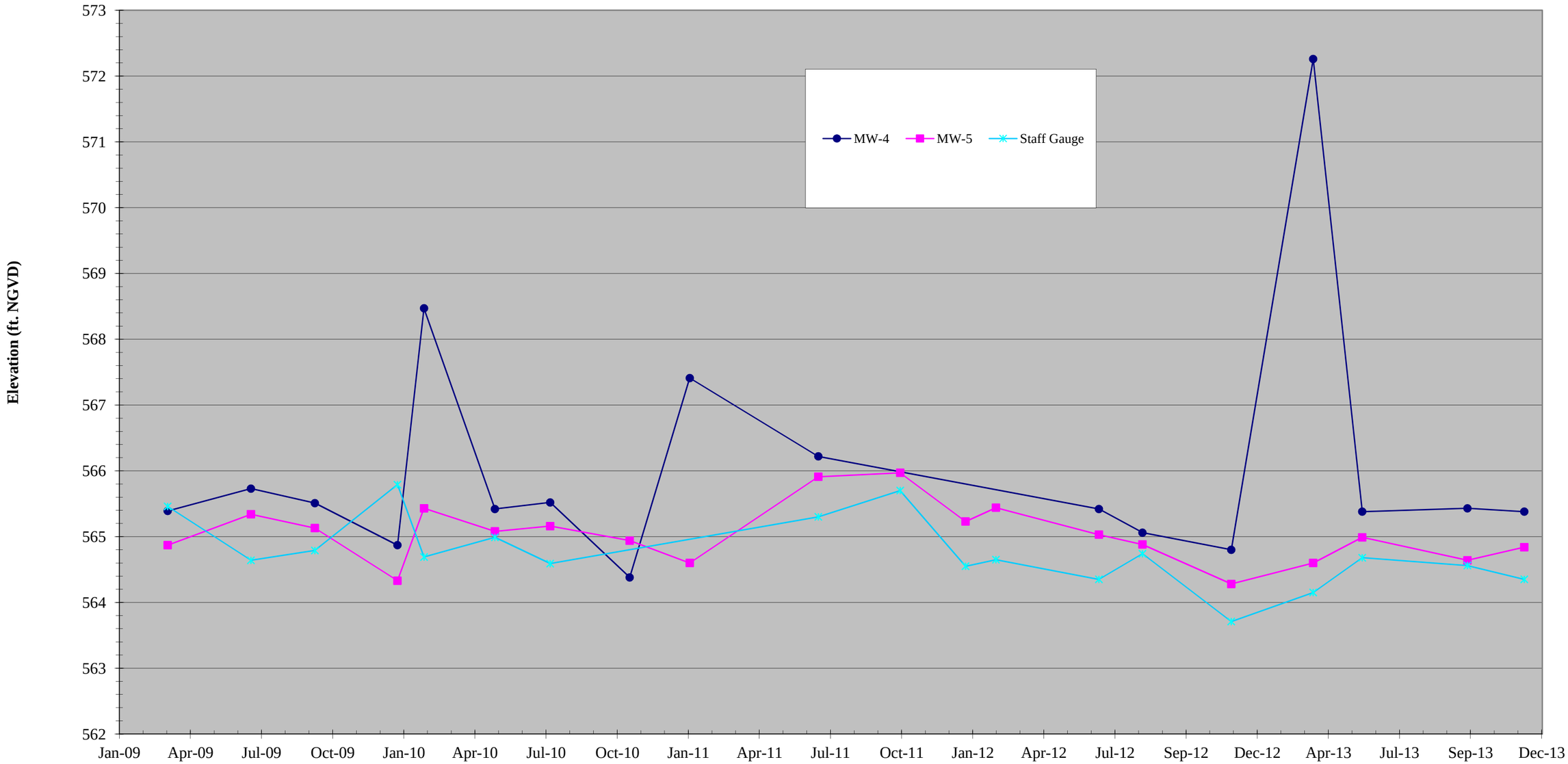
Figure 3.3a
Monitoring Well Hydrograph (2009-2013)
MW-1, MW-2, MW-3, and Staff Gauge



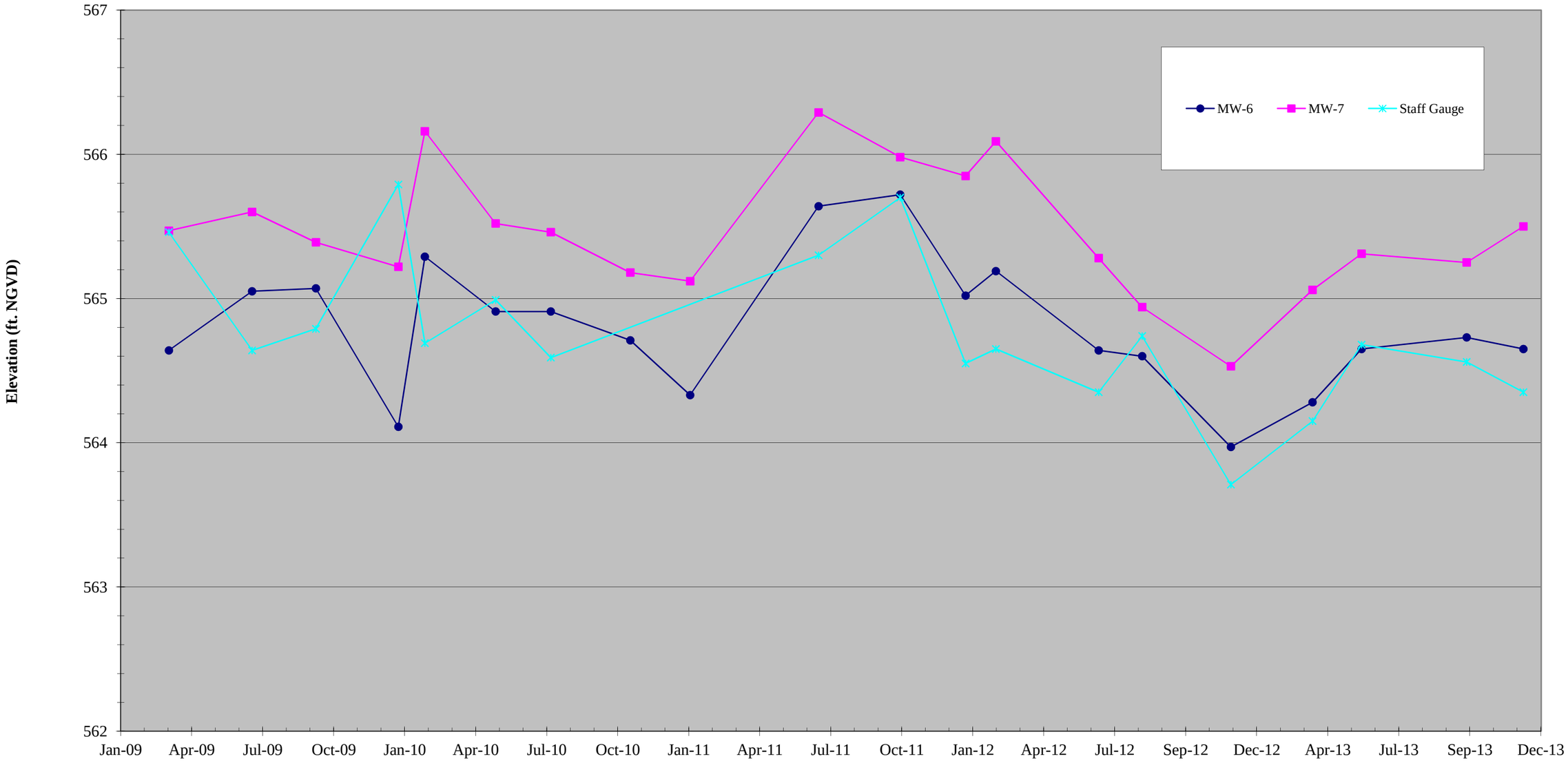
NGVD-National Geodetic Vertical Datum

Figure 3.3b
Monitoring Well Hydrograph (2009-2013)
MW-4, MW-5, and Staff Gauge



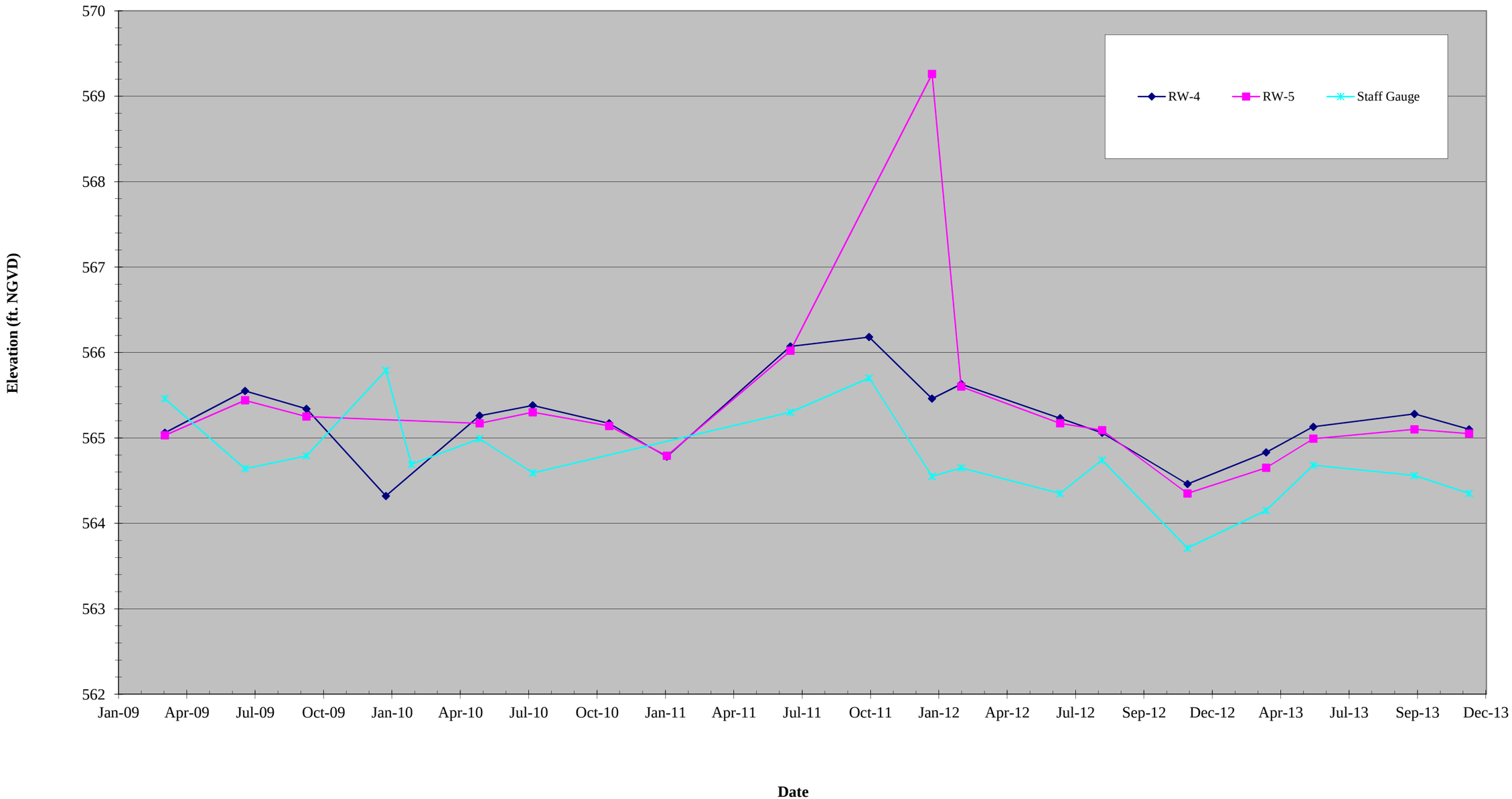
NGVD-National Geodetic Vertical Datum

Figure 3.3c
Monitoring Well Hydrograph (2009-2013)
MW-6, MW-7, and Staff Gauge



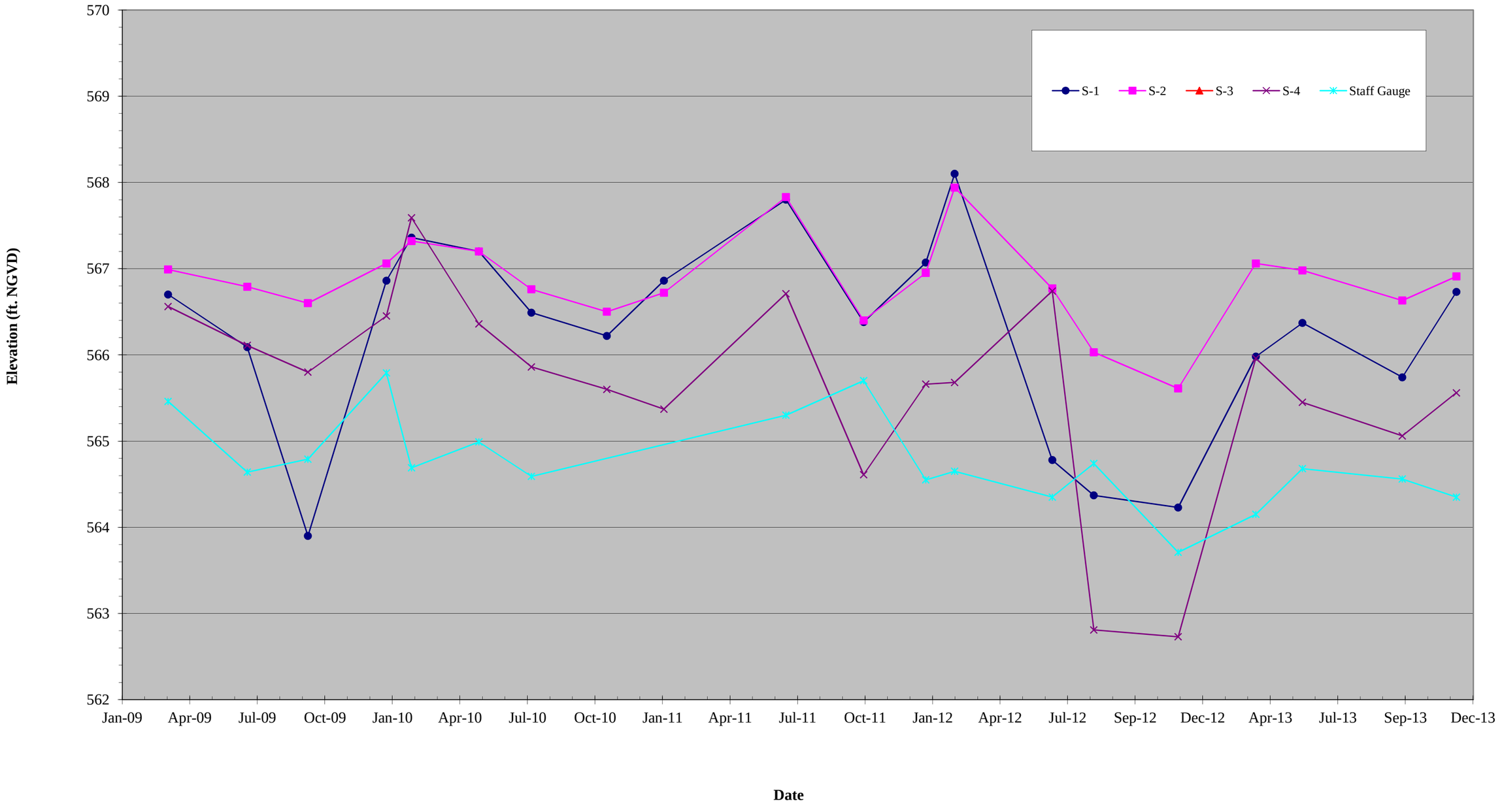
NGVD-National Geodetic Vertical Datum

Figure 3.3d
Monitoring Well Hydrograph (2009-2013)
RW-4, RW-5, and Staff Gauge



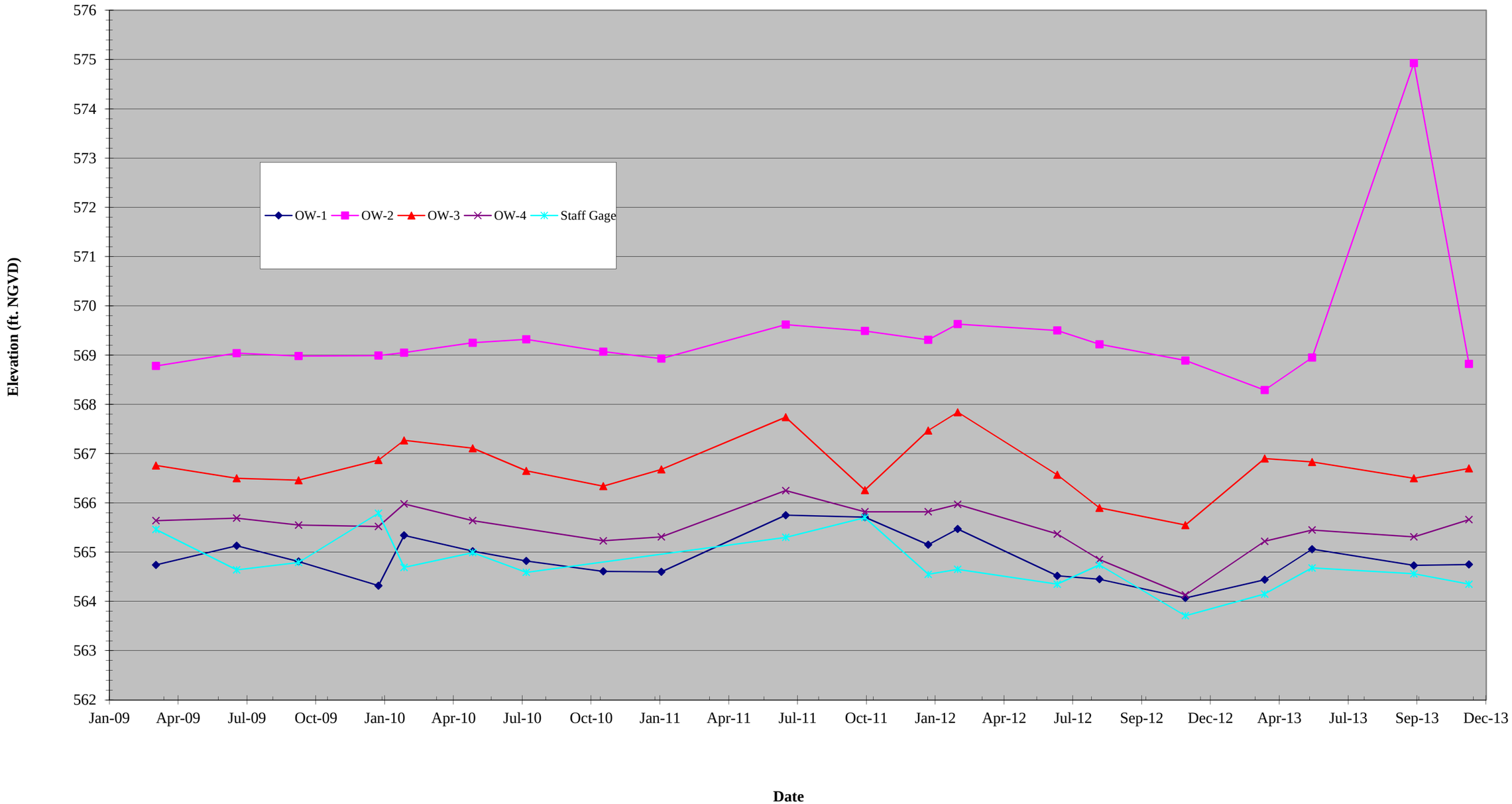
NGVD-National Geodetic Vertical Datum

Figure 3.4a
Sump Hydrograph (2009-2013)
S1, S-2, S-3, S-4, and Staff Gauge



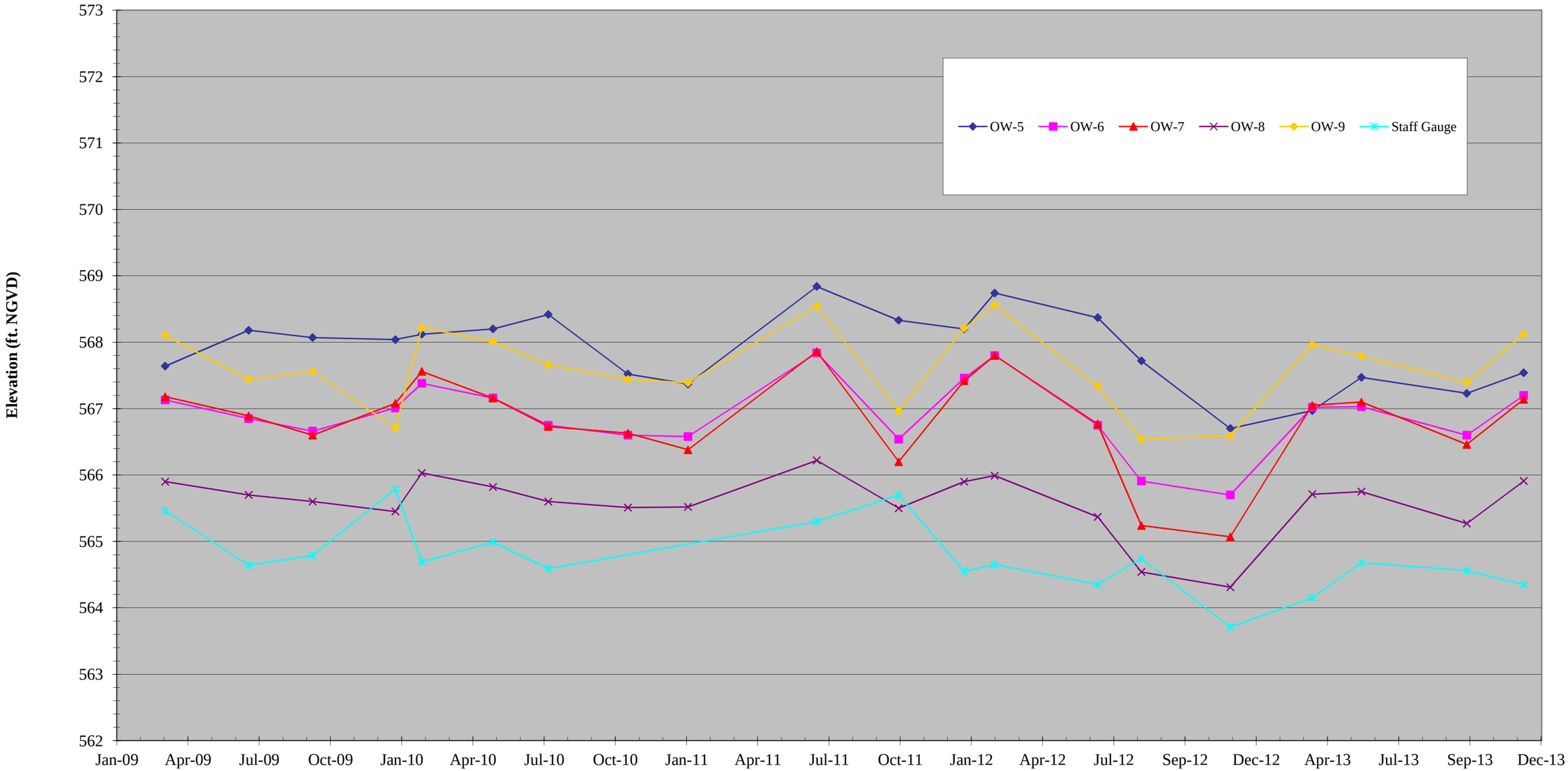
NGVD-National Geodetic Vertical Datum

Figure 3.4b
Observation Well Hydrograph (2009-2013)
OW-1, OW-2, OW-3, OW-4, and Staff Gauge



NGVD-National Geodetic Vertical Datum

Figure 3.4c
Observation Well Hydrograph (2009-2013)
OW-5, OW-6, OW-7, OW-8, OW-9, and Staff Gauge



NGVD-National Geodetic Vertical Datum

TABLES

Table 2.1

Institutional and Engineering Controls Summary

Controls for Cherry Farm	Description	Monitoring Program	Monitoring Frequency	Deficiencies	Corrective Measures
Building Use Restriction	Restictions on building construction/use to prevent activities that would intrude into wastes or otherwise diminish the effectiveness of the cap/remedy.	Monitored during routine site visits and cap inspections.	Weekly and Semi-Annually	None Noted	NA
Land Use Restriction	Restictions on land use to prevent activities that would intrude into wastes or otherwise diminish the effectiveness of the remedy.	Monitored during routine site visits and cap inspections.	Weekly and Semi-Annually	None Noted	NA
Monitoring Plan	A long-term monitoring program was instituted since hazardous waste remains untreated on site. The program monitors the effectiveness of the remedy and allows for evaluation of the need for continued shallow groundwater collection and treatment.	Water level measurements of groundwater monitoring wells, observation wells, sumps, and the Niagara River. Shallow and deep groundwater sampling of groundwater monitoring wells, sumps, and surface water.	Quarterly water level measurements and annual groundwater sampling.	None Noted	NA
O&M Plan	The O&M program includes post-remedial construction activities that will be conducted to ensure the effectiveness of the shallow groundwater collection system and surface water management program. The program describes groundwater and surface water monitoring, cover and drainage system inspections, reporting requirements and emergency response procedures. It also includes standard operating procedures for operation of the shallow groundwater collection and treatment system.	Monitored during routine site visits.	O&M Plan and SOPs are reviewed/updated annually.	None Noted	NA
Cover System	A clay cap, approximately six inches thick, had been installed in the 1970's by NMPC when they purchased the site. A variance was granted for the use of a permeable cover in the Amended ROD, dated 1993. This included the installation of a barrier layer over the site to prevent intrusion into wastes by people or wildlife; and the installation of a soil cover to further separate potentially exposed people and wildlife and to serve as a vegetative support layer.	Monitored during routine site visits and cap inspections.	Weekly and Semi-Annually	None Noted	NA

Table 2.1

Institutional and Engineering Controls Summary

Controls for Cherry Farm	Description	Monitoring Program	Monitoring Frequency	Deficiencies	Corrective Measures
Fencing/Access Control	To maintain integrity of the cover system, access to the site will be restricted by maintaining a locked gate at the site entrance. As stated in the Amended ROD, dated 1993, fencing would not be installed around the site as part of the remedy.	Monitored during routine site visits and cap inspections.	Weekly and Semi-Annually	None Noted	NA
Leachate Collection	Leachate collection to be accomplished through shallow groundwater collection trench and subsequent treatment via OWS/carbon treatment.	Monitored during routine gauging and sampling of monitoring wells and sumps.	Quarterly gauging and Annual sampling	None Noted	NA
Groundwater Treatment System	The on-site treatment of shallow groundwater, collected via collection trench, and discharged to local publicly owned treatment works. Shallow groundwater collection and treatment would be required indefinitely unless contaminant concentrations are sufficiently reduced through natural attenuation.	Monitored during routine site visits and with the collection and analyses of treatment system discharge samples. Sampling is completed in accordance with the site specific discharge permit.	Weekly and Monthly	None Noted	NA

Table 2.1a

Institutional and Engineering Controls Summary

Controls for River Road	Description	Monitoring Program	Monitoring Frequency	Deficiencies	Corrective Measures
Fencing/Access Control	Partial fence to control site access. Chain link fence is located along the eastern property boundary and is restricted by a locked gate at the site entrance.	Monitored during routine site visits and cap inspections.	Weekly and Semi-Annually	None Noted	NA
Cover System	The site is covered by a partly permeable and partly low permeability cover. The low permeabillity cover is located over the LNAPL plume, which is located along in the western portion of the site, between the souther property boundary and the Cherry Farm cap. The purpose of the caps is to minimize penetration by burrowing animals and provide adequate protection against errosion.	Monitored during routine site visits and cap inspections.	Weekly and Semi-Annually	None Noted	NA
Monitoring Plan	A long-term monitoring program was instituted since hazardous waste remains untreated on site. The program monitors the effectiveness of the remedy and allows for evaluation of the need for continued shallow groundwater collection and treatment.	Water level measurements of groundwater monitoring wells, observation wells, sumps, and the Niagara River. Shallow and deep groundwater sampling of groundwater monitoring wells, sumps, and surface water.	Quarterly water level measurements and annual groundwater sampling.	None Noted	NA
O&M Plan	The O&M program includes post-remedial construction activities that will be conducted to ensure the effectiveness of the shallow groundwater collection system and surface water management program. The program describes groundwater and surface water monitoring, cover and drainage system inspections, reporting requirements and emergency response procedures. It also includes standard operating procedures for operation of the shallow groundwater collection and treatment system.	Monitored during routine site visits.	O&M Plan and SOPs are reviewed/updated annually.	None Noted	NA

Table 2.1a

Institutional and Engineering Controls Summary

Controls for River Road	Description	Monitoring Program	Monitoring Frequency	Deficiencies	Corrective Measures
Leachate Collection	Leachate collection to be accomplished through shallow groundwater collection trench and subsequent treatment via OWS/carbon treatment.	Monitored during routine gauging and sampling of monitoring wells and sumps.	Quarterly gauging and Annual sampling	None Noted	NA
Groundwater Treatment System	The on-site treatment of shallow groundwater, collected via collection trench, and discharged to local publicly owned treatment works. Shallow groundwater collection and treatment would be required indefinitely unless contaminant concentrations are sufficiently reduced through natural attenuation.	Monitored during routine site visits and with the collection and analyses of treatment system discharge samples. Sampling is completed in accordance with the site specific discharge permit.	Weekly and Monthly	None Noted	NA

Table 2.2
2013 Groundwater Elevation Summary

WELL NAME	WELL SIZE	3/13/2013 ELEVATION (FEET)	5/15/2013 ELEVATION (FEET)	9/27/2013 ELEVATION (FEET)	12/9/2013 ELEVATION (FEET)
MW-1	2"	565.54	565.81	565.85	565.67
MW-2	2"	564.71	565.11	565.16	565.06
MW-3	2"	564.74	565.00	565.40	564.89
MW-4	2"	572.26	565.38	565.43	565.38
MW-5	2"	564.60	564.99	564.64	564.84
MW-6	2"	564.28	564.65	564.73	564.65
MW-7	2"	565.06	565.31	565.25	565.50
OW-1	1 1/2"	564.44	565.06	564.73	564.75
OW-2	1 1/2"	568.29	568.95	574.93	568.82
OW-3	1 1/2"	566.90	566.83	566.50	566.70
OW-4	1 1/2"	565.22	565.45	565.31	565.66
OW-5	1 1/2"	566.97	567.47	567.23	567.54
OW-6	1 1/2"	567.02	567.03	566.60	567.54
OW-7	1 1/2"	567.05	567.10	566.46	567.20
OW-8	1 1/2"	565.71	565.75	565.27	567.20
OW-9	1 1/2"	567.96	567.79	567.39	567.14
RW-4	8"	564.83	565.13	565.28	565.91
RW-5	8"	564.65	564.99	565.10	568.12
S-1	vault	565.98	566.37	565.74	566.73
S-2	vault	567.06	566.98	566.63	566.91
S-3	vault	567.09	566.98	566.64	567.03
S-4	vault	565.96	565.45	565.06	565.56
SG	NA	564.15	564.68	564.56	564.35

Notes:
NA = Not applicable
NM = Not Measured

Table 2.3
Cherry Farm/River Road OM&M
Non-Routine Maintenance Summary

Date	Non-Routine Maintenance Item
January 2013	Sumps 1-3 were down for several hours to facilitate the addition of muriatic acid into the common process line to dissolve accumulated mineral deposits reducing flow from the sumps. The system was down sporatically due to problems with the caustic delivery system. Sump 1 was down for a few days due to an electrical breaker issue. Vac out and replace 250 pounds of carbon from each GAC unit.
February 2013	The system was down sporatically due to problems with the caustic delivery system.
March 2013	The pump motor in Sump 4 was replaced. Sumps 1-3 were down for several hours to facilitate the addition of muriatic acid into the common process line to dissolve accumulated mineral deposits reducing flow from the sumps.
April 2013	Changed pump head in S-2 The system was down sproatically due to problems with the clear well pump control panel.
May 2013	Sumps 1-3 were down for several hours to facilitate the addition of muriatic acid into the common process line to dissolve accumulated mineral deposits reducing flow from the sumps. The system was down sproatically due to problems with the clear well pump control panel.
June 2013	The system was down sproatically due to problems with clearwell pump 1 which was replaced.
July 2013	Sumps 1-3 were down for several hours to facilitate the addition of muriatic acid into the common process line to dissolve accumulated mineral deposits reducing flow from the sumps. S1 through S-3 were down for 5 days due to failure of the hose connector in S-2.
August 2013	Sumps 1-3 were down for several hours to facilitate the addition of muriatic acid into the common process line to dissolve accumulated mineral deposits reducing flow from the sumps.

Table 2.3
Cherry Farm/River Road OM&M
Non-Routine Maintenance Summary

September 2013	The system was down sproatically due to problems with clearwell pump 2 which was replaced. S-4 was down sporiatically due to deposits clogging the process line. Muriatic acid was added into the common process line to dissolve accumulated mineral deposits reducing flow from the sump. Changed the pump head at S-4.
October 2013	S-4 was down sporiatically due to deposits clogging the process line. Muriatic acid was added into the common process line to dissolve accumulated mineral deposits reducing flow from the sump.Pulled and cleaned pump in S-4.
November 2013	Cleaned the pump head in S-4. Acid treat sumps 1-3 process line.

Table 3.1
Detected Compound Summary
Monitoring Well Samples

Cherry Farm	NYSDEC	Sample ID:	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	RW-4	RW-5
Groundwater Analytical Data	Class GA	Lab Sample Id:	480-38363-1	480-38363-2	480-38363-3	480-38363-4	480-38363-5	480-38363-6	480-38363-7	480-38452-6	480-38452-7
Year 2013	Groundwater	Depth:	11.87	13.65	6.16	18.45	19.15	21.05	21.09	16.7	17.06
Detected Compound Summary	Standards/	Source:	TA	TA	TA	TA	TA	TA	TA	TA	TA
	Guidance Values	SDG:	480-38363	480-38363	480-38363	480-38363	480-38363	480-38363	480-38363	480-38452	480-38452
		Matrix:	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
		Sampled:	5/15/2013	5/15/2013	5/15/2013	5/15/2013	5/15/2013	5/15/2013	5/15/2013	5/16/2013	5/16/2013
COMPOUND		UNITS:									
VOLATILES											
Benzene	0.7	µg/L	U	U	U	U	**130**	U	U	**13**	U
Ethylbenzene	5	µg/L	U	U	U	U	U	U	U	**5.7**	U
Toluene	5	µg/L	U	U	U	U	**7.4 J**	U	U	U	U
Total Xylenes	5	µg/L	U	U	U	U	**27**	U	U	4.4	U
SEMIVOLATILES											
2,4,5-Trichlorophenol	1	µg/L	U	0.90 J	U	U	U	U	U	U	U
2,4,6-Trichlorophenol	NS	µg/L	U	0.68 J	U	U	U	U	U	U	U
2,4-Dimethylphenol	1	µg/L	U	U	U	U	**5.8 ***	U	U	U	U
2,4-Dinitrotoluene	5	µg/L	U	1.1 J	U	U	U	U	U	U	U
2,6-Dinitrotoluene	5	µg/L	U	0.74 J	U	U	U	U	U	U	U
2-Methylphenol	1	µg/L	U	U	U	U	**1.2 J**	U	U	U	U
2-Nitroaniline	5	µg/L	U	0.70 J	U	U	U	U	U	U	U
3,3'-Dichlorobenzidine	5	µg/L	U	1.0 J	U	U	U	U	U	U	U
4-Bromophenyl phenyl ether	NS	µg/L	U	0.97 J	U	U	U	U	U	U	U
4-Chloro-3-methylphenol	1	µg/L	U	0.82 J	U	U	U	U	U	U	U
4-Chlorophenyl phenyl ether	NS	µg/L	U	0.71 J	U	U	U	U	U	U	U
4-Methylphenol	1	µg/L	U	U	U	U	**1.3 J**	U	U	U	U
Acenaphthylene	NS	µg/L	U	U	U	U	U	U	U	0.49 J	U
Anthracene	50 (G)	µg/L	U	0.65 J	U	U	U	U	U	U	U
Benzo[a]anthracene	0.002 (G)	µg/L	**0.80 J B**	**3.1 J B**	**0.48 J B**	**0.90 J B**	**0.57 J B**	**0.75 J B**	**1.0 J B**	U	U
Benzo[a]pyrene	NS	µg/L	0.45 J	1.9 J	U	0.55 J	U	U	0.61 J	U	U
Benzo[b]fluoranthene	0.002 (G)	µg/L	**0.79 J B**	**3.2 J B**	**0.45 J B**	**0.89 J B**	**0.60 J B**	**0.70 J B**	**1.0 J B**	U	U
Benzo[g,h,i]perylene	NS	µg/L	0.62 J	2.1 J	0.35 J	0.70 J	0.35 J	0.51 J	0.73 J	U	U
Benzo[k]flouranthene	0.002 (G)	µg/L	**0.84 J**	**3.1 J**	U	**0.93 J**	U	**0.82 J**	**1.1 J**	U	U
Butyl benzyl phthalate	50 (G)	µg/L	1.1 J B	3.9 J B	0.61 J B	1.2 J B	0.86 J B	0.94 J B	1.4 J B	U	U
Carbazole	NS	µg/L	U	1.5 J	U	U	U	U	U	U	U
Chrysene	0.002 (G)	µg/L	**0.32 J**	**1.4 J**	U	**0.40 J**	U	**0.31 J**	**0.45 J**	U	U
Diethyl phthalate	50 (G)	µg/L	0.32 J	1.3 J	0.23 J	0.32 J	0.36 J	0.34 J	U	U	U
Dimethyl phthalate	50 (G)	µg/L	U	0.76 J	U	U	U	U	U	U	U
Di-n-butyl phthalate	50	µg/L	0.77 J B	2.2 J B	0.49 J B	0.84 J B	0.67 J B	0.75 J B	0.91 J B	0.29 J	0.41 J
Di-n-octyl phthalate	50 (G)	µg/L	0.85 J B	3.1 J B	0.56 J B	1.1 J B	0.64 J B	0.85 J B	1.3 J B	U	U
Fluoranthene	50 (G)	µg/L	U	1.5 J	U	U	U	U	U	U	U
Hexachlorobenzene	0.04	µg/L	U	**0.95 J**	U	U	U	U	U	U	U
Indeno[1,2,3-cd]pyrene	0.002 (G)	µg/L	**0.50 J**	**1.8 J**	U	**0.61 J**	U	U	**0.55 J**	U	U
Naphthalene	10 (G)	µg/L	U	U	U	U	**26 B**	U	U	U	U
N-Nitrosodiphenylamine	50 (G)	µg/L	U	1.2 J	U	U	U	U	U	U	U
Phenanthrene	50 (G)	µg/L	U	1.0 J	U	U	U	U	U	U	U
Phenol	1	µg/L	U	U	U	U	**1.3 J**	U	U	0.57 J	U
Pyrene	50 (G)	µg/L	0.44 J	1.7 J	U	0.48 J	U	0.38 J	0.56 J	U	U

Notes:
µg/L = micrograms per liter
NYSDEC June 1998 Ambient Water Quality Standards and Guidance Values for Groundwater Class GA
Bold values exceed the NYSDEC Class GA groundwater standard/guidance value
NS = No Standard
(G) = Guidance Value
U = Indicates compound was analyzed for, but not detected at or above the reporting limit
J = Result is less than the Reporting Limit but greater than or equal to the Method Detection Limit and the concentration is an approximate value
B = Compound was found in the blank and sample
LCS = Lab Control Sample
LCSD = Lab Control Sample Duplicate
* = LCS or LCSD exceeds control limits

Table 3.2
Detected Compound Summary
Sump Samples

Cherry Farm Groundwater Analytical Da Year 2013 Detected Compound Summ	NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled:	S-1 480-38452-3 TA 480-38452 WATER 5/16/2013	S-2 480-38452-4 TA 480-38452 WATER 5/16/2013	S-3 480-38452-1 TA 480-38452 WATER 5/16/2013	S-4 480-38452-2 TA 480-38452 WATER 5/16/2013
COMPOUND		UNITS:				
VOLATILES						
1,1-Dichloroethane	5	µg/L	U	1.1	1.8	1.5
1,2-Dichloroethene, Total	NS	µg/L	U	U	U	1.5 J
Benzene	0.7	µg/L	U	U	U	**0.76 J**
Ethylbenzene	5	µg/L	U	U	U	1.2
Tetrachloroethene	5	µg/L	U	U	U	0.90 J
Toluene	5	µg/L	U	U	U	1.2
Trichloroethene	5	µg/L	U	U	U	0.87 J
Xylenes, total	5	µg/L	U	U	U	**7.0**
SEMIVOLATILES						
1,2,4-Trichlorobenzene	5	µg/L	U	U	U	0.54 J
1,2-Dichlorobenzene	3	µg/L	U	U	U	0.85 J
1,3-Dichlorobenzene	3	µg/L	U	U	U	0.51 J
1,4-Dichlorobenzene	3	µg/L	U	U	U	1.9 J
2,4,5-Trichlorophenol	NS	µg/L	U	U	0.52 J	0.52 J
2,4-Dimethylphenol	1	µg/L	**1.3 J**	**5.8**	**18**	**28**
2-Methylnaphthalene	NS	µg/L	U	U	U	2.8 J
2-Methylphenol	1	µg/L	U	0.86 J	**7.2**	**9.4**
4-Methylphenol	1	µg/L	0.47 J	U	**16**	**19**
Acenaphthene	20 (G)	µg/L	U	U	U	0.94 J
Acenaphthylene	NS	µg/L	U	U	U	0.43 J
Carbazole	NS	µg/L	U	U	U	0.86 J
Dibenzofuran	NS	µg/L	U	U	U	0.53 J
Diethyl phthalate	50 (G)	µg/L	0.45 J	U	U	U
Dimethyl phthalate	50 (G)	µg/L	U	36	U	1.9 J
Di-n-butyl phthalate	50	µg/L	0.98 J	3.3 J	0.49 J	0.51 J
Fluorene	50 (G)	µg/L	U	U	U	0.78 J
Naphthalene	10 (G)	µg/L	U	U	1.9 J	**12.0**
Phenanthrene	50 (G)	µg/L	U	0.49 J	0.60 J	0.74 J
PESTICIDES						
4,4'-DDD	0.2	µg/L	**0.45 J**	0.12 B	U	U
4,4'-DDE	0.2	µg/L	0.17 B	0.021 J	0.020 J	0.023 J
4,4'-DDT	0.2	µg/L	U	0.023 J	U	0.022 J
alpha-BHC	0.01	µg/L	**0.023 J**	U	U	U
delta-BHC	0.04	µg/L	U	0.014 J	U	**0.076**
Dieldrin	0.004	µg/L	**0.019 J**	U	U	**0.011 J**
Endosulfan I	NS	µg/L	U	0.11	U	U
gamma-BHC (Lindane)	0.05	µg/L	U	0.015 J	0.014 J	0.025 J
gamma-Chlordane	0.05	µg/L	0.010 J	0.013 J	0.012 J	0.013 J
Heptachlor	0.04	µg/L	0.030 J	0.022 J	0.0091 J	0.022 J
Heptachlor epoxide	0.03	µg/L	0.018 J	0.0089 J	U	U
PCBs						
Aroclor 1242		µg/L	U	U	**0.24 J**	**2.2**
INORGANICS						
Aluminum	NS	µg/L	U	140	320	460
Arsenic	25	µg/L	U	U	5.7 J	6.1 J
Barium	1,000	µg/L	76	38	33	30
Calcium	NS	µg/L	52,700	84,600	57,600	111,000
Chromium	50	µg/L	1.1 J	5.1	1.5 J	U
Cobalt	NS	µg/L	U	0.82 J	U	U
Copper	200	µg/L	7.2 J	U	4.4 J	U
Iron	300	µg/L	**1,400**	**7,600**	64	130
Magnesium	35,000 (G)	µg/L	12,600	430	240	900
Manganese	300	µg/L	**510 B**	200 B	0.79 J	49 B
Nickel	100	µg/L	2.3 J	31	1.9 J	1.3 J
Potassium	NS	µg/L	10,800	38,100	42,900	59,100
Sodium	20,000	µg/L	**31,900**	**45,400**	**54,000**	**57,000**
Vanadium	NS	µg/L	U	4.2 J	33	11
Zinc	2,000 (G)	µg/L	1.1 J	19	2.2 J	U
Cyanide	200	µg/L	U	21	54	26

Notes:
µg/L = micrograms per liter
NYSDEC June 1998 Ambient Water Quality Standards and Guidance Values for Groundwater Class GA.
Bold values exceed the NYSDEC Class GA groundwater standard/guidance value.
NS = No Standard
(G) = Guidance Value
U = Indicates compound was analyzed for, but not detected at or above the reporting limit.
J = Result is less than the Reporting Limit but greater than or equal to the Method Detection Limit and the concentration is an approximate value.
B = Compound was found in the blank and sample.

Table 3.3
Total 2013 Contaminant Mass Removal

	S-1 (ug/L)	S-2 (ug/L)	S-3 (ug/L)	S-4 (ug/L)	Average Influent Concentration (ug/L)	2013 Total Plant Flow (gal)	Total pounds removed
Total VOCs	ND	1.1	1.8	14.93	4.46	2,554,282	0.116
Total SVOCs	1.77	46.45	44.71	82.21	43.79	2,554,282	1.135
Total Pesticides	0.72	0.3469	0.0551	0.192	0.33	2,554,282	0.009
Total PCBs	ND	0.46	0.24	1.7	0.60	2,554,282	0.016

APPENDIX A-1
May 2013
Analytical Data

Appendix A-1
May 2013 Analytical Data
Monitoring Well Samples
Volatile Organic Compounds

Cherry Farm/River Road May 2013 Monitoring Well Sampling	NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample Id: Depth: Source: SDG: Matrix: Sampled:	MW-1 480-38363-1 11.87 TA 480-38363 WATER 5/15/2013	MW-2 480-38363-2 13.65 TA 480-38363 WATER 5/15/2013	MW-3 480-38363-3 6.16 TA 480-38363 WATER 5/15/2013	MW-4 480-38363-4 18.45 TA 480-38363 WATER 5/15/2013	MW-5 480-38363-5 19.15 TA 480-38363 WATER 5/15/2013	MW-6 480-38363-6 21.05 TA 480-38363 WATER 5/15/2013	MW-7 480-38363-7 21.09 TA 480-38363 WATER 5/15/2013	RW-4 480-38452-6 16.70 TA 480-38452 WATER 5/16/2013	RW-5 480-38452-7 17.06 TA 480-38452 WATER 5/16/2013
COMPOUND		UNITS:									
VOLATILES											
1,1,1-Trichloroethane	5	µg/L	U	U	U	U	U	U	U	U	U
1,1,2,2-Tetrachloroethane	5	µg/L	U	U	U	U	U	U	U	U	U
1,1,2-Trichloroethane	1	µg/L	U	U	U	U	U	U	U	U	U
1,1-Dichloroethane	5	µg/L	U	U	U	U	U	U	U	U	U
1,1-Dichloroethene	5	µg/L	U	U	U	U	U	U	U	U	U
1,2-Dichloroethane	0.6	µg/L	U	U	U	U	U	U	U	U	U
1,2-Dichloroethene, Total	NS	µg/L	U	U	U	U	U	U	U	U	U
1,2-Dichloropropane	1	µg/L	U	U	U	U	U	U	U	U	U
2-Butanone	50 (G)	µg/L	U	U	U	U	U	U	U	U	U
2-Hexanone	50 (G)	µg/L	U	U	U	U	U	U	U	U	U
4-Methyl-2-pentanone	NS	µg/L	U	U	U	U	U	U	U	U	U
Acetone	50 (G)	µg/L	U	U	U	U	U	U	U	U	U
Benzene	0.7	µg/L	U	U	U	U	**130**	U	U	**13**	U
Bromodichloromethane	50 (G)	µg/L	U	U	U	U	U	U	U	U	U
Bromoform	50 (G)	µg/L	U	U	U	U	U	U	U	U	U
Bromomethane	5	µg/L	U	U	U	U	U	U	U	U	U
Carbon disulfide	60 (G)	µg/L	U	U	U	U	U	U	U	U	U
Carbon Tetrachloride	5	µg/L	U	U	U	U	U	U	U	U	U
Chlorobenzene	5	µg/L	U	U	U	U	U	U	U	U	U
Chloroethane	5	µg/L	U	U	U	U	U	U	U	U	U
Chloroform	7	µg/L	U	U	U	U	U	U	U	U	U
Chloromethane	5	µg/L	U	U	U	U	U	U	U	U	U
cis-1,3-Dichloropropene	0.4	µg/L	U	U	U	U	U	U	U	U	U
Dibromochloromethane	50 (G)	µg/L	U	U	U	U	U	U	U	U	U
Ethylbenzene	5	µg/L	U	U	U	U	U	U	U	**5.7**	U
Methylene Chloride	5	µg/L	U	U	U	U	U	U	U	U	U
Styrene	5	µg/L	U	U	U	U	U	U	U	U	U
Tetrachloroethene	5	µg/L	U	U	U	U	U	U	U	U	U
Toluene	5	µg/L	U	U	U	U	**7.4 J**	U	U	U	U
trans-1,3-Dichloropropene	0.4	µg/L	U	U	U	U	U	U	U	U	U
Trichloroethene	5	µg/L	U	U	U	U	U	U	U	U	U
Vinyl chloride	2	µg/L	U	U	U	U	U	U	U	U	U
Xylenes, total	5	µg/L	U	U	U	U	**27**	U	U	4.4	U

Notes:
µg/L = micrograms per liter
NYSDEC June 1998 Ambient Water Quality Standards and Guidance Values for Groundwater Class GA.
Bold values exceed the NYSDEC Class GA groundwater standard/guidance value.
NS = No Standard
(G) = Guidance Value
U = Indicates compound was analyzed for, but not detected at or above the reporting limit.
J = Result is less than the Reporting Limit but greater than or equal to the Method Detection Limit and the concentration is an approximate value.
B = Compound was found in the blank and sample.

Appendix A-1
May 2013 Analytical Data
Monitoring Well Samples
Semi-Volatile Organic Compounds

Cherry Farm/River Road March and December 2011 Monitoring Well Sampling	NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: / Lab Sample Id: / Depth: / Source: / SDG: / Matrix: / Sampled:	MW-1 480-38363-1 11.87 TA 480-38363 WATER 5/15/2013	MW-2 480-38363-2 13.65 TA 480-38363 WATER 5/15/2013	MW-3 480-38363-3 6.16 TA 480-38363 WATER 5/15/2013	MW-4 480-38363-4 18.45 TA 480-38363 WATER 5/15/2013	MW-5 480-38363-5 19.15 TA 480-38363 WATER 5/15/2013	MW-6 480-38363-6 21.05 TA 480-38363 WATER 5/15/2013	MW-7 480-38363-7 21.09 TA 480-38363 WATER 5/15/2013	RW-4 480-38452-6 16.70 TA 480-38452 WATER 5/16/2013	RW-5 480-38452-7 17.06 TA 480-38452 WATER 5/16/2013
COMPOUND		UNITS:									
SEMIVOLATILES											
1,2,4-Trichlorobenzene	5	µg/L	U	U	U	U	U	U	U	U	U
1,2-Dichlorobenzene	3	µg/L	U	U	U	U	U	U	U	U	U
1,3-Dichlorobenzene	3	µg/L	U	U	U	U	U	U	U	U	U
1,4-Dichlorobenzene	3	µg/L	U	U	U	U	U	U	U	U	U
2,4,5-Trichlorophenol	1	µg/L	U	0.90 J	U	U	U	U	U	U	U
2,4,6-Trichlorophenol	NS	µg/L	U	0.68 J	U	U	U	U	U	U	U
2,4-Dichlorophenol	1	µg/L	U	U	U	U	U	U	U	U	U
2,4-Dimethylphenol	1	µg/L	U	U	U	U	**5.8**	U	U	U	U
2,4-Dinitrophenol	10 (G)	µg/L	U	U	U	U	U	U	U	U	U
2,4-Dinitrotoluene	5	µg/L	U	1.1. J	U	U	U	U	U	U	U
2,6-Dinitrotoluene	5	µg/L	U	0.74 J	U	U	U	U	U	U	U
2-Chloronaphthalene	10 (G)	µg/L	U	U	U	U	U	U	U	U	U
2-Chlorophenol	1	µg/L	U	U	U	U	U	U	U	U	U
2-Methylnaphthalene	NS	µg/L	U	U	U	U	U	U	U	U	U
2-Methylphenol	1	µg/L	U	U	U	U	**1.2 J**	U	U	U	U
2-Nitroaniline	5	µg/L	U	0.70 J	U	U	U	U	U	U	U
2-Nitrophenol	1	µg/L	U	U	U	U	U	U	U	U	U
3,3'-Dichlorobenzidine	5	µg/L	U	1.0 J	U	U	U	U	U	U	U
3-Nitroaniline	5	µg/L	U	U	U	U	U	U	U	U	U
4,6-Dinitro-2-methylphenol	1	µg/L	U	U	U	U	U	U	U	U	U
4-Bromophenyl phenyl ether	NS	µg/L	U	0.97 J	U	U	U	U	U	U	U
4-Chloro-3-methylphenol	1	µg/L	U	0.82 J	U	U	U	U	U	U	U
4-Chloroaniline	5	µg/L	U	U	U	U	U	U	U	U	U
4-Chlorophenyl phenyl ether	NS	µg/L	U	0.71 J	U	U	U	U	U	U	U
4-Methylphenol	1	µg/L	U	U	U	U	**1.3 J**	U	U	U	U
4-Nitroaniline	5	µg/L	U	U	U	U	U	U	U	U	U
4-Nitrophenol	1	µg/L	U	U	U	U	U	U	U	U	U
Acenaphthene	20 (G)	µg/L	U	U	U	U	U	U	U	U	U
Acenaphthylene	NS	µg/L	U	U	U	U	U	U	U	0.49 J	U
Anthracene	50 (G)	µg/L	U	0.65 J	U	U	U	U	U	U	U

Notes:
µg/L = micrograms per liter
NYSDEC June 1998 Ambient Water Quality Standards and Guidance Values for Groundwater Class GA.
Bold values exceed the NYSDEC Class GA groundwater standard/guidance value.
NS = No Standard
(G) = Guidance Value
U = Indicates compound was analyzed for, but not detected at or above the reporting limit.
J = Result is less than the Reporting Limit but greater than or equal to the Method Detection Limit and the concentration is an approximate value.
B = Compound was found in the blank and sample.

Appendix A-1
May 2013 Analytical Data
Monitoring Well Samples
Semi-Volatile Organic Compounds

Cherry Farm/River Road March and December 2011 Monitoring Well Sampling	NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: / Lab Sample Id: / Depth: / Source: / SDG: / Matrix: / Sampled:	MW-1 480-38363-1 11.87 TA 480-38363 WATER 5/15/2013	MW-2 480-38363-2 13.65 TA 480-38363 WATER 5/15/2013	MW-3 480-38363-3 6.16 TA 480-38363 WATER 5/15/2013	MW-4 480-38363-4 18.45 TA 480-38363 WATER 5/15/2013	MW-5 480-38363-5 19.15 TA 480-38363 WATER 5/15/2013	MW-6 480-38363-6 21.05 TA 480-38363 WATER 5/15/2013	MW-7 480-38363-7 21.09 TA 480-38363 WATER 5/15/2013	RW-4 480-38452-6 16.70 TA 480-38452 WATER 5/16/2013	RW-5 480-38452-7 17.06 TA 480-38452 WATER 5/16/2013
COMPOUND		UNITS:									
Benzo[a]anthracene	0.002 (G)	µg/L	**0.80 J B**	**3.1 J B**	**0.48 J B**	**0.90 J B**	**0.57 J B**	**0.75 J B**	**1.0 J B**	U	U
Benzo[a]pyrene	NS	µg/L	0.45 J	1.9 J	U	0.55 J	U	U	0.61 J	U	U
Benzo[b]fluoranthene	0.002 (G)	µg/L	**0.79 J B**	**3.2 J B**	**0.45 J B**	**0.89 J B**	**0.60 J B**	**0.70 J B**	**1.0 J B**	U	U
Benzo[g,h,i]perylene	NS	µg/L	0.62 J	2.1 J	0.35 J	0.70 J	0.35 J	0.51 J	0.73 J	U	U
Benzo[k]fluoranthene	0.002 (G)	µg/L	**0.84 J**	**3.1 J**	U	**0.93 J**	U	**0.82 J**	**1.1 J**	U	U
Bis(2-chloroethoxy)methane	5	µg/L	U	U	U	U	U	U	U	U	U
Bis(2-chloroethyl)ether	1	µg/L	U	U	U	U	U	U	U	U	U
Bis(2-chloroisopropyl) ether	5	µg/L	U	U	U	U	U	U	U	U	U
Bis(2-ethylhexyl) phthalate	5	µg/L	U	**3.5 J**	U	U	U	U	U	U	U
Butyl benzyl phthalate	50 (G)	µg/L	1.1 J B	3.9 J B	0.61 J B	1.2 J B	.086 J B	0.94 J B	1.4 J B	U	U
Carbazole	NS	µg/L	U	1.5 J	U	**U**	U	U	U	U	U
Chrysene	0.002 (G)	µg/L	**0.32 J**	**1.4 J**	U	**0.40 J**	U	**0.31 J**	**0.45 J**	U	U
Dibenz[a,h]anthracene	NS	µg/L	U	1.1 J	U	U	U	U	U	U	U
Dibenzofuran	NS	µg/L	U	U	U	U	U	U	U	U	U
Diethyl phthalate	50 (G)	µg/L	0.32 J	1.3 J	0.23 J	0.32 J	0.36 J	0.34 J	U	U	U
Dimethyl phthalate	50 (G)	µg/L	U	0.76 J	U	U	U	U	U	U	U
Di-n-butyl phthalate	50	µg/L	0.77 J B	2.2 J B	0.49 J B	0.84 J B	0.67 J B	0.75 J B	0.91 J B	0.29 J	0.41 J
Di-n-octyl phthalate	50 (G)	µg/L	0.85 J B	3.1 J B	0.56 J B	1.1 J B	0.64 J B	0.85 J B	1.3 J B	U	U
Fluoranthene	50 (G)	µg/L	U	1.5 J	U	U	U	U	U	U	U
Fluorene	50 (G)	µg/L	U	U	U	U	U	U	U	U	U
Hexachlorobenzene	0.04	µg/L	U	**0.95 J**	U	U	U	U	U	U	U
Hexachlorobutadiene	0.5	µg/L	U	U	U	U	U	U	U	U	U
Hexachlorocyclopentadiene	5	µg/L	U	U	U	U	U	U	U	U	U
Hexachloroethane	5	µg/L	U	U	U	U	U	U	U	U	U
Indeno[1,2,3-cd]pyrene	0.002 (G)	µg/L	**0.50 J**	**1.8 J**	U	**0.61 J**	U	U	**0.55 J**	U	U
Isophorone	50 (G)	µg/L	U	U	U	U	U	U	U	U	U
Naphthalene	10 (G)	µg/L	U	U	U	U	**26 B**	U	U	U	U
Nitrobenzene	0.4	µg/L	U	U	U	U	U	U	U	U	U
N-Nitrosodi-n-propylamine	NS	µg/L	U	U	U	U	U	U	U	U	U
N-Nitrosodiphenylamine	50 (G)	µg/L	U	1.2 J	U	U	U	U	U	U	U
Pentachlorophenol	5	µg/L	U	U	U	U	U	U	U	U	U
Phenanthrene	50 (G)	µg/L	U	1.0 J	U	U	U	U	U	U	U
Phenol	1	µg/L	U	U	U	U	**1.3 J**	U	U	0.57 J	U
Pyrene	50 (G)	µg/L	0.44 J	1.7 J	U	0.48 J	U	0.38 J	0.56 J	U	U

Notes:
µg/L = micrograms per liter
NYSDEC June 1998 Ambient Water Quality Standards and Guidance Values for Groundwater Class GA.
Bold values exceed the NYSDEC Class GA groundwater standard/guidance value.
NS = No Standard
(G) = Guidance Value
U = Indicates compound was analyzed for, but not detected at or above the reporting limit.
J = Result is less than the Reporting Limit but greater than or equal to the Method Detection Limit and the concentration is an approximate value.
B = Compound was found in the blank and sample.

Appendix A-1
May 2013 Analytical Data
Monitoring Well Samples
Polychlorinated Biphenyls

Cherry Farm/River Road March and December 2011 Monitoring Well Sampling	NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID:	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	RW-4	RW-5
		Lab Sample Id:	480-38363-1	480-38363-2	480-38363-3	480-38363-4	480-38363-5	480-38363-6	480-38363-7	480-38452-6	480-38452-7
		Depth:	11.87	13.65	6.16	18.45	19.15	21.05	21.09	16.70	17.06
		Source:	TA	TA	TA	TA	TA	TA	TA	TA	TA
		SDG:	480-38363	480-38363	480-38363	480-38363	480-38363	480-38363	480-38363	480-38452	480-38452
		Matrix:	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
		Sampled:	5/15/2013	5/15/2013	5/15/2013	5/15/2013	5/15/2013	5/15/2013	5/15/2013	5/16/2013	5/16/2013
COMPOUND		UNITS:									
PCBs											
Aroclor 1016	Sum of all PCBs is <0.09	µg/L	U	U	U	U	U	U	U	U	U
Aroclor 1221		µg/L	U	U	U	U	U	U	U	U	U
Aroclor 1232		µg/L	U	U	U	U	U	U	U	U	U
Aroclor 1242		µg/L	U	U	U	U	U	U	U	U	U
Aroclor 1248		µg/L	U	U	U	U	U	U	U	U	U
Aroclor 1254		µg/L	U	U	U	U	U	U	U	U	U
Aroclor 1260		µg/L	U	U	U	U	U	U	U	U	U

Notes:
µg/L = micrograms per liter
NYSDEC June 1998 Ambient Water Quality Standards and Guidance Values for Groundwater Class GA.
U = Indicates compound was analyzed for, but not detected at or above the reporting limit
Bold values exceed the NYSDEC Class GA groundwater standard/guidance value.

Appendix A-1
May 2013 Analytical Data
Sump Samples
Volatile Organic Compounds

Cherry Farm/River Road March and December 2011 Sump Sampling	NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled:	S-1 480-38452-3 TA 480-38452 WATER 5/16/2013	S-2 480-38452-4 TA 480-38452 WATER 5/16/2013	S-3 480-38452-1 TA 480-38452 WATER 5/16/2013	S-4 480-38452-2 TA 480-38452 WATER 5/16/2013
COMPOUND		UNITS:				
VOLATILES						
1,1,1-Trichloroethane	5	µg/L	U	U	U	U
1,1,2,2-Tetrachloroethane	5	µg/L	U	U	U	U
1,1,2-Trichloroethane	1	µg/L	U	U	U	U
1,1-Dichloroethane	5	µg/L	U	1.1	1.8	1.5
1,1-Dichloroethene	5	µg/L	U	U	U	U
1,2-Dichloroethane	0.6	µg/L	U	U	U	U
1,2-Dichloroethene, Total	NS	µg/L	U	U	U	1.5 J
1,2-Dichloropropane	1	µg/L	U	U	U	U
2-Butanone	50 (G)	µg/L	U	U	U	U
2-Hexanone	50 (G)	µg/L	U	U	U	U
4-Methyl-2-pentanone	NS	µg/L	U	U	U	U
Acetone	50 (G)	µg/L	U	U	U	U
Benzene	0.7	µg/L	U	U	U	**0.76 J**
Bromodichloromethane	50 (G)	µg/L	U	U	U	U
Bromoform	50 (G)	µg/L	U	U	U	U
Bromomethane	5	µg/L	U	U	U	U
Carbon disulfide	60 (G)	µg/L	U	U	U	U
Carbon Tetrachloride	5	µg/L	U	U	U	U
Chlorobenzene	5	µg/L	U	U	U	U
Chloroethane	5	µg/L	U	U	U	U
Chloroform	7	µg/L	U	U	U	U
Chloromethane	5	µg/L	U	U	U	U
cis-1,3-Dichloropropene	0.4	µg/L	U	U	U	U
Dibromochloromethane	50 (G)	µg/L	U	U	U	U
Ethylbenzene	5	µg/L	U	U	U	1.2
Methylene Chloride	5	µg/L	U	U	U	U
Styrene	5	µg/L	U	U	U	U
Tetrachloroethene	5	µg/L	U	U	U	0.90 J
Toluene	5	µg/L	U	U	U	1.2
trans-1,3-Dichloropropene	0.4	µg/L	U	U	U	U
Trichloroethene	5	µg/L	U	U	U	0.87 J
Vinyl chloride	2	µg/L	U	U	U	U
Xylenes, total	5	µg/L	U	U	U	**7.0**

Notes:
µg/L = micrograms per liter
NYSDEC June 1998 Ambient Water Quality Standards and Guidance Values for Groundwater Class GA.
Bold values exceed the NYSDEC Class GA groundwater standard/guidance value.
NS = No Standard
(G) = Guidance Value
U = Indicates compound was analyzed for, but not detected at or above the reporting limit.
J = Result is less than the Reporting Limit but greater than or equal to the Method Detection Limit. The concentration is an approximate value.

Appendix A-1
May 2013 Analytical Data
Sump Samples
Semi-Volatile Organic Compounds

Cherry Farm/River Road March and December 2011 Sump Sampling	NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled:	S-1 480-38452-3 TA 480-38452 WATER 5/16/2013	S-2 480-38452-4 TA 480-38452 WATER 5/16/2013	S-3 480-38452-1 TA 480-38452 WATER 5/16/2013	S-4 480-38452-2 TA 480-38452 WATER 5/16/2013
COMPOUND		UNITS:				
SEMIVOLATILES						
1,2,4-Trichlorobenzene	5	µg/L	U	U	U	0.54 J
1,2-Dichlorobenzene	3	µg/L	U	U	U	0.85 J
1,3-Dichlorobenzene	3	µg/L	U	U	U	0.51 J
1,4-Dichlorobenzene	3	µg/L	U	U	U	1.9 J
2,4,5-Trichlorophenol	NS	µg/L	U	U	0.52 J	0.52 J
2,4,6-Trichlorophenol	NS	µg/L	U	U	U	U
2,4-Dichlorophenol	1	µg/L	U	U	U	U
2,4-Dimethylphenol	1	µg/L	**1.3 J**	**5.8**	**18**	**28**
2,4-Dinitrophenol	10 (G)	µg/L	U	U	U	U
2,4-Dinitrotoluene	5	µg/L	U	U	U	U
2,6-Dinitrotoluene	5	µg/L	U	U	U	U
2-Chloronaphthalene	10 (G)	µg/L	U	U	U	U
2-Chlorophenol	1	µg/L	U	U	U	U
2-Methylnaphthalene	NS	µg/L	U	U	U	2.8 J
2-Methylphenol	1	µg/L	U	0.86 J	**7.2**	**9.4**
2-Nitroaniline	5	µg/L	U	U	U	U
2-Nitrophenol	1	µg/L	U	U	U	U
3,3'-Dichlorobenzidine	5	µg/L	U	U	U	U
3-Nitroaniline	5	µg/L	U	U	U	U
4,6-Dinitro-2-methylphenol	1	µg/L	U	U	U	U
4-Bromophenyl phenyl ether	NS	µg/L	U	U	U	U
4-Chloro-3-methylphenol	1	µg/L	U	U	U	U
4-Chloroaniline	5	µg/L	U	U	U	U
4-Chlorophenyl phenyl ether	NS	µg/L	U	U	U	U
4-Methylphenol	1	µg/L	0.47 J	U	**16**	**19**
4-Nitroaniline	5	µg/L	U	U	U	U
4-Nitrophenol	1	µg/L	U	U	U	U
Acenaphthene	20 (G)	µg/L	U	U	U	0.94 J
Acenaphthylene	NS	µg/L	U	U	U	0.43 J
Anthracene	50 (G)	µg/L	U	U	U	U

Notes:
µg/L = micrograms per liter
NYSDEC June 1998 Ambient Water Quality Standards and Guidance Values for Groundwater Class GA.
Bold values exceed the NYSDEC Class GA groundwater standard/guidance value.
NS = No Standard
(G) = Guidance Value
U = Indicates compound was analyzed for, but not detected at or above the reporting limit.
J = Result is less than the Reporting Limit but greater than or equal to the Method Detection Limit and the concentration is an approximate value.
B = Compound was found in the blank and sample.

Appendix A-1
May 2013 Analytical Data
Sump Samples
Semi-Volatile Organic Compounds

Cherry Farm/River Road March and December 2011 Sump Sampling	NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled:	S-1 480-38452-3 TA 480-38452 WATER 5/16/2013	S-2 480-38452-4 TA 480-38452 WATER 5/16/2013	S-3 480-38452-1 TA 480-38452 WATER 5/16/2013	S-4 480-38452-2 TA 480-38452 WATER 5/16/2013
COMPOUND		UNITS:				
Benzo[a]anthracene	0.002 (G)	µg/L	U	U	U	U
Benzo[a]pyrene	NS	µg/L	U	U	U	U
Benzo[b]fluoranthene	0.002 (G)	µg/L	U	U	U	U
Benzo[g,h,i]perylene	NS	µg/L	U	U	U	U
Benzo[k]fluoranthene	0.002 (G)	µg/L	U	U	U	U
Bis(2-chloroethoxy)methane	5	µg/L	U	U	U	U
Bis(2-chloroethyl)ether	1	µg/L	U	U	U	U
Bis(2-chloroisopropyl) ether	5	µg/L	U	U	U	U
Bis(2-ethylhexyl) phthalate	5	µg/L	U	U	U	U
Butyl benzyl phthalate	50 (G)	µg/L	U	U	U	U
Carbazole	NS	µg/L	U	U	U	0.86 J
Chrysene	0.002 (G)	µg/L	U	U	U	U
Dibenz[a,h]anthracene	NS	µg/L	U	U	U	U
Dibenzofuran	NS	µg/L	U	U	U	0.53 J
Diethyl phthalate	50 (G)	µg/L	0.45 J	U	U	U
Dimethyl phthalate	50 (G)	µg/L	U	36	U	1.9 J
Di-n-butyl phthalate	50	µg/L	0.98 J	3.3 J	0.49 J	0.51 J
Di-n-octyl phthalate	50 (G)	µg/L	U	U	U	U
Fluoranthene	50 (G)	µg/L	U	U	U	U
Fluorene	50 (G)	µg/L	U	U	U	0.78 J
Hexachlorobenzene	0.04	µg/L	U	U	U	U
Hexachlorobutadiene	0.5	µg/L	U	U	U	U
Hexachlorocyclopentadiene	5	µg/L	U	U	U	U
Hexachloroethane	5	µg/L	U	U	U	U
Indeno[1,2,3-cd]pyrene	0.002 (G)	µg/L	U	U	U	U
Isophorone	50 (G)	µg/L	U	U	U	U
Naphthalene	10 (G)	µg/L	U	U	1.9 J	**12**
Nitrobenzene	0.4	µg/L	U	U	U	U
N-Nitrosodi-n-propylamine	NS	µg/L	U	U	U	U
N-Nitrosodiphenylamine	50 (G)	µg/L	U	U	U	U
Pentachlorophenol	5	µg/L	U	U	U	U
Phenanthrene	50 (G)	µg/L	U	0.49 J	0.60 J	0.74 J
Phenol	1	µg/L	U	U	U	U
Pyrene	50 (G)	µg/L	U	U	U	U

Notes:
µg/L = micrograms per liter
NYSDEC June 1998 Ambient Water Quality Standards and Guidance Values for Groundwater Class GA.
Bold values exceed the NYSDEC Class GA groundwater standard/guidance value.
NS = No Standard
(G) = Guidance Value
U = Indicates compound was analyzed for, but not detected at or above the reporting limit.
J = Result is less than the Reporting Limit but greater than or equal to the Method Detection Limit and the concentration is an approximate value.
B = Compound was found in the blank and sample.
* = Relative Percent Difference of the Laboratory Control Sample and Laboratory Control Standard Duplicate exceeds the control limits.

Appendix A-1
May 2013 Analytical Data
Sump Samples
Pesticides and Polychlorinated Biphenyls

Cherry Farm/River Road June 2010 Sump Sampling	NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled:	S-1 480-38452-3 TA 480-38452 WATER 5/16/2013	S-2 480-38452-4 TA 480-38452 WATER 5/16/2013	S-3 480-38452-1 TA 480-38452 WATER 5/16/2013	S-4 480-38452-2 TA 480-38452 WATER 5/16/2013
COMPOUND		UNITS:				
PESTICIDES						
4,4'-DDD	0.2	µg/L	**0.45 J**	0.12 B	U	U
4,4'-DDE	0.2	µg/L	0.17 B	0.021 J	0.020 J	0.023 J
4,4'-DDT	0.2	µg/L	U	0.023 J	U	0.022 J
Aldrin	ND	µg/L	U	U	U	U
alpha-BHC	0.01	µg/L	**0.023 J**	U	U	U
alpha-Chlordane	0.05	µg/L	U	U	U	U
beta-BHC	0.04	µg/L	U	U	U	U
Chlordane	0.05	µg/L	U	U	U	U
delta-BHC	0.04	µg/L	U	0.014 J	U	**0.076**
Dieldrin	0.004	µg/L	**0.019 J**	U	U	**0.011 J**
Endosulfan I	NS	µg/L	U	0.11	U	U
Endosulfan II	NS	µg/L	U	U	U	U
Endosulfan sulfate	NS	µg/L	U	U	U	U
Endrin	ND	µg/L	U	U	U	U
Endrin aldehyde	5	µg/L	U	U	U	U
Endrin ketone	5	µg/L	U	U	U	U
gamma-BHC (Lindane)	0.05	µg/L	U	0.015 J	0.014 J	0.025 J
gamma-Chlordane	0.05	µg/L	0.010 J	0.013 J	0.012 J	0.013 J
Heptachlor	0.04	µg/L	0.030 J	0.022 J	0.0091 J	0.022 J
Heptachlor epoxide	0.03	µg/L	0.018 J	0.0089 J	U	U
Methoxychlor	35	µg/L	U	U	U	U
Toxaphene	0.06	µg/L	U	U	U	U
PCBs	Sum of all PCBs is <0.09					
Aroclor 1016		µg/L	U	U	U	U
Aroclor 1221		µg/L	U	U	U	U
Aroclor 1232		µg/L	U	U	U	U
Aroclor 1242		µg/L	U	U	**0.24 J**	**2.2**
Aroclor 1248		µg/L	U	U	U	U
Aroclor 1254		µg/L	U	U	U	U
Aroclor 1260		µg/L	U	U	U	U

Notes:
µg/L = micrograms per liter
NYSDEC June 1998 Ambient Water Quality Standards and Guidance Values for Groundwater Class GA.
Bold values exceed the NYSDEC Class GA groundwater standard/guidance value.
NS = No Standard
U = Indicates compound was analyzed for, but not detected at or above the reporting limit.
J = Result is less than the Reporting Limit but greater than or equal to the Method Detection Limit and the concentration is an approximate value.

Appendix A-1
May 2013 Analytical Data
Sump Samples
Inorganics

Cherry Farm/River Road March and December 2011 Sump Sampling	NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled:	S-1 480-38452-3 TA 480-38452 WATER 5/16/2013	S-2 480-38452-4 TA 480-38452 WATER 5/16/2013	S-3 480-38452-1 TA 480-38452 WATER 5/16/2013	S-4 480-38452-2 TA 480-38452 WATER 5/16/2013
COMPOUND		UNITS:				
INORGANICS						
Aluminum	NS	µg/L	U	140	320	460
Antimony	3	µg/L	U	U	U	U
Arsenic	25	µg/L	U	U	5.7 J	6.1 J
Barium	1,000	µg/L	76	38	33	30
Beryllium	3 (G)	µg/L	U	U	U	U
Cadmium	10	µg/L	U	U	U	U
Calcium	NS	µg/L	52,700	84,600	57,600	111,000
Chromium	50	µg/L	1.1 J	5.1	1.5 J	U
Cobalt	NS	µg/L	U	0.82 J	U	U
Copper	200	µg/L	7.2 J	U	4.4 J	U
Iron	300	µg/L	**1,400**	**7,600**	64	130
Lead	25	µg/L	U	U	U	U
Magnesium	35,000 (G)	µg/L	12,600	430	240	900
Manganese	300	µg/L	**510 B**	200 B	0.79 J	49 B
Mercury	0.7	µg/L	U	U	U	U
Nickel	100	µg/L	2.3 J	31	1.9 J	1.3 J
Potassium	NS	µg/L	10,800	38,100	42,900	59,100
Selenium	10	µg/L	U	U	U	U
Silver	50	µg/L	U	U	U	U
Sodium	20,000	µg/L	**31,900**	**45,400**	**54,000**	**57,000**
Thallium	0.5 (G)	µg/L	U	U	U	U
Vanadium	NS	µg/L	U	4.2 J	33	11
Zinc	2,000 (G)	µg/L	1.1 J	19	2.2 J	U
Cyanide	200	µg/L	U	21	54	26

Notes:
µg/L = micrograms per liter
NYSDEC June 1998 Ambient Water Quality Standards and Guidance Values for Groundwater Class GA.
Bold values exceed the NYSDEC Class GA groundwater standard/guidance value.
NS = No Standard
(G) = Guidance Value
U = Indicates compound was analyzed for, but not detected at or above the reporting limit.
J = Result is less than the Reporting Limit but greater than or equal to the Method Detection Limit and the concentration is an approximate value.
B = Compound was found in the blank and sample.

APPENDIX A-2
Laboratory Analytical Data Package

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 480-38363-1
Client Project/Site: Cherry Farms Annual GW Sample

For:
Groundwater & Environmental Services Inc
495 Aero Drive
Suite 3
Cheektowaga, New York 14225

Attn: Steven Leitten

Joseph V. Giacomazza

Authorized for release by:
5/23/2013 4:20:35 PM
Joe Giacomazza, Project Administrator
joe.giacomazza@testamericainc.com

Designee for

Sally Hoffman, Project Manager II
sally.hoffman@testamericainc.com

Table of Contents

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client: Groundwater & Environmental Services Inc
Project/Site: Cherry Farms Annual GW Sample

TestAmerica Job ID: 480-38363-1

Job ID: 480-38363-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-38363-1

Receipt
The samples were received on 5/15/2013 5:00 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.8º C.

GC/MS VOA
Method(s) 8260B: The following volatiles sample(s) was diluted due to foaming at the time of purging during the original sample analysis: (480-38363-5 MS), (480-38363-5 MSD), MW-5 (480-38363-5). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: The following compounds were outside control limits in the continuing calibration verification (CCV) associated with batch 119219: Bromomethane. These compounds are not classified as Calibration Check Compounds (CCCs) in the reference method, and the laboratory defaults to in-house and/or project-specific criteria for evaluation. Due to the large number of analytes contained in the CCV, the laboratory's SOP allows for 6 analytes to be outside limits; therefore, the data have been reported.

No other analytical or quality issues were noted.

GC/MS Semi VOA
Method(s) 8270C: The laboratory control sample (LCS) and / or the laboratory control sample duplicate (LCSD) for batch 119043 recovered outside control limits for the following analyte: 2,4-Dimethylphenol. 2,4-Dimethylphenol is not requested in the client spike list, therefore the data is qualified and reported.

Method(s) 8270C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 119043 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method(s) 8270C: The method blank for batch 119043 contained multiple analytes above the method detection limit. These target analyte concentrations were less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method(s) 8270C: The following compound was outside control limits in the continuing calibration verification (CCV) associated with batch 120199: 4-Nitrophenol. This compound is not classified as a Calibration Check Compounds (CCCs) in the reference method, and the laboratory defaults to in-house and/or project-specific criteria for evaluation. Due to the large number of analytes contained in the CCV, the laboratory's SOP allows for 4 analytes to be outside limits; therefore, the data have been reported.

No other analytical or quality issues were noted.

GC Semi VOA
No analytical or quality issues were noted.

Organic Prep
Method(s) 3510C: The following sample formed emulsions during the extraction procedure: MW-5 (480-38363-5). The emulsion was broken up using the centrifuge.

No other analytical or quality issues were noted.

Detection Summary

Client: Groundwater & Environmental Services Inc
Project/Site: Cherry Farms Annual GW Sample

TestAmerica Job ID: 480-38363-1

Client Sample ID: MW-1 — Lab Sample ID: 480-38363-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	0.80	J B	4.8	0.34	ug/L	1		8270C_ASP	Total/NA
Benzo[a]pyrene	0.45	J	4.8	0.45	ug/L	1		8270C_ASP	Total/NA
Benzo[b]fluoranthene	0.79	J B	4.8	0.33	ug/L	1		8270C_ASP	Total/NA
Benzo[g,h,i]perylene	0.62	J	4.8	0.33	ug/L	1		8270C_ASP	Total/NA
Benzo[k]fluoranthene	0.84	J	4.8	0.70	ug/L	1		8270C_ASP	Total/NA
Butyl benzyl phthalate	1.1	J B	4.8	0.40	ug/L	1		8270C_ASP	Total/NA
Chrysene	0.32	J	4.8	0.32	ug/L	1		8270C_ASP	Total/NA
Di-n-butyl phthalate	0.77	J B	4.8	0.30	ug/L	1		8270C_ASP	Total/NA
Di-n-octyl phthalate	0.85	J B	4.8	0.45	ug/L	1		8270C_ASP	Total/NA
Diethyl phthalate	0.32	J	4.8	0.21	ug/L	1		8270C_ASP	Total/NA
Indeno[1,2,3-cd]pyrene	0.50	J	4.8	0.45	ug/L	1		8270C_ASP	Total/NA
Pyrene	0.44	J	4.8	0.33	ug/L	1		8270C_ASP	Total/NA

Client Sample ID: MW-2 — Lab Sample ID: 480-38363-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2,4,5-Trichlorophenol	0.90	J	5.0	0.48	ug/L	1		8270C_ASP	Total/NA
2,4,6-Trichlorophenol	0.68	J	5.0	0.60	ug/L	1		8270C_ASP	Total/NA
2,4-Dinitrotoluene	1.1	J	5.0	0.44	ug/L	1		8270C_ASP	Total/NA
2,6-Dinitrotoluene	0.74	J	5.0	0.40	ug/L	1		8270C_ASP	Total/NA
2-Nitroaniline	0.70	J	9.9	0.42	ug/L	1		8270C_ASP	Total/NA
3,3'-Dichlorobenzidine	1.0	J	5.0	0.40	ug/L	1		8270C_ASP	Total/NA
4-Bromophenyl phenyl ether	0.97	J	5.0	0.45	ug/L	1		8270C_ASP	Total/NA
4-Chloro-3-methylphenol	0.82	J	5.0	0.45	ug/L	1		8270C_ASP	Total/NA
4-Chlorophenyl phenyl ether	0.71	J	5.0	0.35	ug/L	1		8270C_ASP	Total/NA
Anthracene	0.65	J	5.0	0.28	ug/L	1		8270C_ASP	Total/NA
Benzo[a]anthracene	3.1	J B	5.0	0.36	ug/L	1		8270C_ASP	Total/NA
Benzo[a]pyrene	1.9	J	5.0	0.47	ug/L	1		8270C_ASP	Total/NA
Benzo[b]fluoranthene	3.2	J B	5.0	0.34	ug/L	1		8270C_ASP	Total/NA
Benzo[g,h,i]perylene	2.1	J	5.0	0.35	ug/L	1		8270C_ASP	Total/NA
Benzo[k]fluoranthene	3.1	J	5.0	0.72	ug/L	1		8270C_ASP	Total/NA
Bis(2-ethylhexyl) phthalate	3.5	J	5.0	1.8	ug/L	1		8270C_ASP	Total/NA
Butyl benzyl phthalate	3.9	J B	5.0	0.42	ug/L	1		8270C_ASP	Total/NA
Carbazole	1.5	J	5.0	0.30	ug/L	1		8270C_ASP	Total/NA
Chrysene	1.4	J	5.0	0.33	ug/L	1		8270C_ASP	Total/NA
Di-n-butyl phthalate	2.2	J B	5.0	0.31	ug/L	1		8270C_ASP	Total/NA
Di-n-octyl phthalate	3.1	J B	5.0	0.47	ug/L	1		8270C_ASP	Total/NA
Dibenz(a,h)anthracene	1.1	J	5.0	0.42	ug/L	1		8270C_ASP	Total/NA
Diethyl phthalate	1.3	J	5.0	0.22	ug/L	1		8270C_ASP	Total/NA
Dimethyl phthalate	0.76	J	5.0	0.36	ug/L	1		8270C_ASP	Total/NA
Fluoranthene	1.5	J	5.0	0.40	ug/L	1		8270C_ASP	Total/NA
Hexachlorobenzene	0.95	J	5.0	0.51	ug/L	1		8270C_ASP	Total/NA
Indeno[1,2,3-cd]pyrene	1.8	J	5.0	0.47	ug/L	1		8270C_ASP	Total/NA
N-Nitrosodiphenylamine	1.2	J	5.0	0.51	ug/L	1		8270C_ASP	Total/NA
Phenanthrene	1.0	J	5.0	0.44	ug/L	1		8270C_ASP	Total/NA
Pyrene	1.7	J	5.0	0.34	ug/L	1		8270C_ASP	Total/NA

Client Sample ID: MW-3 — Lab Sample ID: 480-38363-3

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-3 (Continued) — Lab Sample ID: 480-38363-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	0.48	J B	4.7	0.34	ug/L	1		8270C_ASP	Total/NA
Benzo[b]fluoranthene	0.45	J B	4.7	0.32	ug/L	1		8270C_ASP	Total/NA
Benzo[g,h,i]perylene	0.35	J	4.7	0.33	ug/L	1		8270C_ASP	Total/NA
Butyl benzyl phthalate	0.61	J B	4.7	0.39	ug/L	1		8270C_ASP	Total/NA
Di-n-butyl phthalate	0.49	J B	4.7	0.29	ug/L	1		8270C_ASP	Total/NA
Di-n-octyl phthalate	0.56	J B	4.7	0.44	ug/L	1		8270C_ASP	Total/NA
Diethyl phthalate	0.23	J	4.7	0.20	ug/L	1		8270C_ASP	Total/NA

Client Sample ID: MW-4 — Lab Sample ID: 480-38363-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	0.90	J B	4.7	0.34	ug/L	1		8270C_ASP	Total/NA
Benzo[a]pyrene	0.55	J	4.7	0.44	ug/L	1		8270C_ASP	Total/NA
Benzo[b]fluoranthene	0.89	J B	4.7	0.32	ug/L	1		8270C_ASP	Total/NA
Benzo[g,h,i]perylene	0.70	J	4.7	0.33	ug/L	1		8270C_ASP	Total/NA
Benzo[k]fluoranthene	0.93	J	4.7	0.68	ug/L	1		8270C_ASP	Total/NA
Butyl benzyl phthalate	1.2	J B	4.7	0.39	ug/L	1		8270C_ASP	Total/NA
Chrysene	0.40	J	4.7	0.31	ug/L	1		8270C_ASP	Total/NA
Di-n-butyl phthalate	0.84	J B	4.7	0.29	ug/L	1		8270C_ASP	Total/NA
Di-n-octyl phthalate	1.1	J B	4.7	0.44	ug/L	1		8270C_ASP	Total/NA
Diethyl phthalate	0.32	J	4.7	0.20	ug/L	1		8270C_ASP	Total/NA
Indeno[1,2,3-cd]pyrene	0.61	J	4.7	0.44	ug/L	1		8270C_ASP	Total/NA
Pyrene	0.48	J	4.7	0.32	ug/L	1		8270C_ASP	Total/NA

Client Sample ID: MW-5 — Lab Sample ID: 480-38363-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	130		10	4.1	ug/L	10		8260B_ASP	Total/NA
Toluene	7.4	J	10	5.1	ug/L	10		8260B_ASP	Total/NA
Xylenes, Total	27		20	6.6	ug/L	10		8260B_ASP	Total/NA
2,4-Dimethylphenol	5.8	*	5.0	0.50	ug/L	1		8270C_ASP	Total/NA
2-Methylphenol	1.2	J	5.0	0.40	ug/L	1		8270C_ASP	Total/NA
4-Methylphenol	1.3	J	9.9	0.36	ug/L	1		8270C_ASP	Total/NA
Benzo[a]anthracene	0.57	J B	5.0	0.36	ug/L	1		8270C_ASP	Total/NA
Benzo[b]fluoranthene	0.60	J B	5.0	0.34	ug/L	1		8270C_ASP	Total/NA
Benzo[g,h,i]perylene	0.35	J	5.0	0.35	ug/L	1		8270C_ASP	Total/NA
Butyl benzyl phthalate	0.86	J B	5.0	0.42	ug/L	1		8270C_ASP	Total/NA
Di-n-butyl phthalate	0.67	J B	5.0	0.31	ug/L	1		8270C_ASP	Total/NA
Di-n-octyl phthalate	0.64	J B	5.0	0.47	ug/L	1		8270C_ASP	Total/NA
Diethyl phthalate	0.36	J	5.0	0.22	ug/L	1		8270C_ASP	Total/NA
Naphthalene	26	B	5.0	0.75	ug/L	1		8270C_ASP	Total/NA
Phenol	1.3	J	5.0	0.39	ug/L	1		8270C_ASP	Total/NA

Client Sample ID: MW-6 — Lab Sample ID: 480-38363-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	0.75	J B	4.8	0.34	ug/L	1		8270C_ASP	Total/NA
Benzo[b]fluoranthene	0.70	J B	4.8	0.32	ug/L	1		8270C_ASP	Total/NA
Benzo[g,h,i]perylene	0.51	J	4.8	0.33	ug/L	1		8270C_ASP	Total/NA
Benzo[k]fluoranthene	0.82	J	4.8	0.69	ug/L	1		8270C_ASP	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-6 (Continued)

Lab Sample ID: 480-38363-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Butyl benzyl phthalate	0.94	J B	4.8	0.40	ug/L	1		8270C_ASP	Total/NA
Chrysene	0.31	J	4.8	0.31	ug/L	1		8270C_ASP	Total/NA
Di-n-butyl phthalate	0.75	J B	4.8	0.29	ug/L	1		8270C_ASP	Total/NA
Di-n-octyl phthalate	0.85	J B	4.8	0.45	ug/L	1		8270C_ASP	Total/NA
Diethyl phthalate	0.34	J	4.8	0.21	ug/L	1		8270C_ASP	Total/NA
Pyrene	0.38	J	4.8	0.32	ug/L	1		8270C_ASP	Total/NA

Client Sample ID: MW-7

Lab Sample ID: 480-38363-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	1.0	J B	4.6	0.33	ug/L	1		8270C_ASP	Total/NA
Benzo[a]pyrene	0.61	J	4.6	0.44	ug/L	1		8270C_ASP	Total/NA
Benzo[b]fluoranthene	1.0	J B	4.6	0.32	ug/L	1		8270C_ASP	Total/NA
Benzo[g,h,i]perylene	0.73	J	4.6	0.32	ug/L	1		8270C_ASP	Total/NA
Benzo[k]fluoranthene	1.1	J	4.6	0.68	ug/L	1		8270C_ASP	Total/NA
Butyl benzyl phthalate	1.4	J B	4.6	0.39	ug/L	1		8270C_ASP	Total/NA
Chrysene	0.45	J	4.6	0.31	ug/L	1		8270C_ASP	Total/NA
Di-n-butyl phthalate	0.91	J B	4.6	0.29	ug/L	1		8270C_ASP	Total/NA
Di-n-octyl phthalate	1.3	J B	4.6	0.44	ug/L	1		8270C_ASP	Total/NA
Diethyl phthalate	0.44	J	4.6	0.20	ug/L	1		8270C_ASP	Total/NA
Indeno[1,2,3-cd]pyrene	0.55	J	4.6	0.44	ug/L	1		8270C_ASP	Total/NA
Pyrene	0.56	J	4.6	0.32	ug/L	1		8270C_ASP	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-1
Date Collected: 05/15/13 14:45
Date Received: 05/15/13 17:00

Lab Sample ID: 480-38363-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/17/13 15:50	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/17/13 15:50	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/17/13 15:50	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/17/13 15:50	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/17/13 15:50	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/17/13 15:50	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/17/13 15:50	1
2-Hexanone	ND		5.0	1.2	ug/L			05/17/13 15:50	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/17/13 15:50	1
1,2-Dichloroethene, Total	ND		2.0	0.70	ug/L			05/17/13 15:50	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/17/13 15:50	1
Acetone	ND		10	3.0	ug/L			05/17/13 15:50	1
Benzene	ND		1.0	0.41	ug/L			05/17/13 15:50	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/17/13 15:50	1
Bromoform	ND		1.0	0.26	ug/L			05/17/13 15:50	1
Bromomethane	ND		1.0	0.69	ug/L			05/17/13 15:50	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/17/13 15:50	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/17/13 15:50	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/17/13 15:50	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/17/13 15:50	1
Chloroethane	ND		1.0	0.32	ug/L			05/17/13 15:50	1
Chloroform	ND		1.0	0.34	ug/L			05/17/13 15:50	1
Chloromethane	ND		1.0	0.35	ug/L			05/17/13 15:50	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/17/13 15:50	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/17/13 15:50	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/17/13 15:50	1
Styrene	ND		1.0	0.73	ug/L			05/17/13 15:50	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/17/13 15:50	1
Toluene	ND		1.0	0.51	ug/L			05/17/13 15:50	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/17/13 15:50	1
Trichloroethene	ND		1.0	0.46	ug/L			05/17/13 15:50	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/17/13 15:50	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/17/13 15:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*66 - 137*		*05/17/13 15:50*	*1*
Toluene-d8 (Surr)	*100*		*71 - 126*		*05/17/13 15:50*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*05/17/13 15:50*	*1*

Method: 8270C_ASP - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
bis (2-chloroisopropyl) ether	ND		4.8	0.50	ug/L		05/16/13 14:25	05/22/13 19:59	1
1,2,4-Trichlorobenzene	ND		9.6	0.42	ug/L		05/16/13 14:25	05/22/13 19:59	1
2,4,5-Trichlorophenol	ND		4.8	0.46	ug/L		05/16/13 14:25	05/22/13 19:59	1
1,2-Dichlorobenzene	ND		9.6	0.38	ug/L		05/16/13 14:25	05/22/13 19:59	1
2,4,6-Trichlorophenol	ND		4.8	0.58	ug/L		05/16/13 14:25	05/22/13 19:59	1
2,4-Dichlorophenol	ND		4.8	0.49	ug/L		05/16/13 14:25	05/22/13 19:59	1
2,4-Dimethylphenol	ND	*	4.8	0.48	ug/L		05/16/13 14:25	05/22/13 19:59	1
1,3-Dichlorobenzene	ND		9.6	0.46	ug/L		05/16/13 14:25	05/22/13 19:59	1
2,4-Dinitrophenol	ND		9.6	2.1	ug/L		05/16/13 14:25	05/22/13 19:59	1

Client: Groundwater & Environmental Services Inc
Project/Site: Cherry Farms Annual GW Sample

TestAmerica Job ID: 480-38363-1

Client Sample ID: MW-1
Date Collected: 05/15/13 14:45
Date Received: 05/15/13 17:00

Lab Sample ID: 480-38363-1
Matrix: Water

Method: 8270C_ASP - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	ND		4.8	0.43	ug/L		05/16/13 14:25	05/22/13 19:59	1
1,4-Dichlorobenzene	ND		9.6	0.44	ug/L		05/16/13 14:25	05/22/13 19:59	1
2,6-Dinitrotoluene	ND		4.8	0.38	ug/L		05/16/13 14:25	05/22/13 19:59	1
2-Chloronaphthalene	ND		4.8	0.44	ug/L		05/16/13 14:25	05/22/13 19:59	1
2-Chlorophenol	ND		4.8	0.51	ug/L		05/16/13 14:25	05/22/13 19:59	1
2-Methylnaphthalene	ND		4.8	0.57	ug/L		05/16/13 14:25	05/22/13 19:59	1
2-Methylphenol	ND		4.8	0.38	ug/L		05/16/13 14:25	05/22/13 19:59	1
2-Nitroaniline	ND		9.6	0.40	ug/L		05/16/13 14:25	05/22/13 19:59	1
2-Nitrophenol	ND		4.8	0.46	ug/L		05/16/13 14:25	05/22/13 19:59	1
3,3'-Dichlorobenzidine	ND		4.8	0.38	ug/L		05/16/13 14:25	05/22/13 19:59	1
3-Nitroaniline	ND	*	9.6	0.46	ug/L		05/16/13 14:25	05/22/13 19:59	1
4,6-Dinitro-2-methylphenol	ND		9.6	2.1	ug/L		05/16/13 14:25	05/22/13 19:59	1
4-Bromophenyl phenyl ether	ND		4.8	0.43	ug/L		05/16/13 14:25	05/22/13 19:59	1
4-Chloro-3-methylphenol	ND		4.8	0.43	ug/L		05/16/13 14:25	05/22/13 19:59	1
4-Chloroaniline	ND	*	4.8	0.56	ug/L		05/16/13 14:25	05/22/13 19:59	1
4-Chlorophenyl phenyl ether	ND		4.8	0.33	ug/L		05/16/13 14:25	05/22/13 19:59	1
4-Methylphenol	ND		9.6	0.34	ug/L		05/16/13 14:25	05/22/13 19:59	1
4-Nitroaniline	ND		9.6	0.24	ug/L		05/16/13 14:25	05/22/13 19:59	1
4-Nitrophenol	ND		9.6	1.5	ug/L		05/16/13 14:25	05/22/13 19:59	1
Acenaphthene	ND		4.8	0.39	ug/L		05/16/13 14:25	05/22/13 19:59	1
Acenaphthylene	ND		4.8	0.36	ug/L		05/16/13 14:25	05/22/13 19:59	1
Anthracene	ND		4.8	0.27	ug/L		05/16/13 14:25	05/22/13 19:59	1
Benzo[a]anthracene	**0.80**	**J B**	4.8	0.34	ug/L		05/16/13 14:25	05/22/13 19:59	1
Benzo[a]pyrene	**0.45**	**J**	4.8	0.45	ug/L		05/16/13 14:25	05/22/13 19:59	1
Benzo[b]fluoranthene	**0.79**	**J B**	4.8	0.33	ug/L		05/16/13 14:25	05/22/13 19:59	1
Benzo[g,h,i]perylene	**0.62**	**J**	4.8	0.33	ug/L		05/16/13 14:25	05/22/13 19:59	1
Benzo[k]fluoranthene	**0.84**	**J**	4.8	0.70	ug/L		05/16/13 14:25	05/22/13 19:59	1
Bis(2-chloroethoxy)methane	ND		4.8	0.33	ug/L		05/16/13 14:25	05/22/13 19:59	1
Bis(2-chloroethyl)ether	ND		4.8	0.38	ug/L		05/16/13 14:25	05/22/13 19:59	1
Bis(2-ethylhexyl) phthalate	ND		4.8	1.7	ug/L		05/16/13 14:25	05/22/13 19:59	1
Butyl benzyl phthalate	**1.1**	**J B**	4.8	0.40	ug/L		05/16/13 14:25	05/22/13 19:59	1
Carbazole	ND		4.8	0.29	ug/L		05/16/13 14:25	05/22/13 19:59	1
Chrysene	**0.32**	**J**	4.8	0.32	ug/L		05/16/13 14:25	05/22/13 19:59	1
Di-n-butyl phthalate	**0.77**	**J B**	4.8	0.30	ug/L		05/16/13 14:25	05/22/13 19:59	1
Di-n-octyl phthalate	**0.85**	**J B**	4.8	0.45	ug/L		05/16/13 14:25	05/22/13 19:59	1
Dibenz(a,h)anthracene	ND		4.8	0.40	ug/L		05/16/13 14:25	05/22/13 19:59	1
Dibenzofuran	ND		9.6	0.49	ug/L		05/16/13 14:25	05/22/13 19:59	1
Diethyl phthalate	**0.32**	**J**	4.8	0.21	ug/L		05/16/13 14:25	05/22/13 19:59	1
Dimethyl phthalate	ND		4.8	0.34	ug/L		05/16/13 14:25	05/22/13 19:59	1
Fluoranthene	ND		4.8	0.38	ug/L		05/16/13 14:25	05/22/13 19:59	1
Fluorene	ND		4.8	0.34	ug/L		05/16/13 14:25	05/22/13 19:59	1
Hexachlorobenzene	ND		4.8	0.49	ug/L		05/16/13 14:25	05/22/13 19:59	1
Hexachlorobutadiene	ND		0.48	0.65	ug/L		05/16/13 14:25	05/22/13 19:59	1
Hexachlorocyclopentadiene	ND		4.8	0.56	ug/L		05/16/13 14:25	05/22/13 19:59	1
Hexachloroethane	ND		4.8	0.56	ug/L		05/16/13 14:25	05/22/13 19:59	1
Indeno[1,2,3-cd]pyrene	**0.50**	**J**	4.8	0.45	ug/L		05/16/13 14:25	05/22/13 19:59	1
Isophorone	ND		4.8	0.41	ug/L		05/16/13 14:25	05/22/13 19:59	1
N-Nitrosodi-n-propylamine	ND		4.8	0.52	ug/L		05/16/13 14:25	05/22/13 19:59	1
N-Nitrosodiphenylamine	ND		4.8	0.49	ug/L		05/16/13 14:25	05/22/13 19:59	1

Client: Groundwater & Environmental Services Inc
Project/Site: Cherry Farms Annual GW Sample

TestAmerica Job ID: 480-38363-1

Client Sample ID: MW-1

Lab Sample ID: 480-38363-1

Date Collected: 05/15/13 14:45

Matrix: Water

Date Received: 05/15/13 17:00

Method: 8270C_ASP - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		4.8	0.73	ug/L		05/16/13 14:25	05/22/13 19:59	1
Nitrobenzene	ND		4.8	0.28	ug/L		05/16/13 14:25	05/22/13 19:59	1
Pentachlorophenol	ND		9.6	2.1	ug/L		05/16/13 14:25	05/22/13 19:59	1
Phenanthrene	ND		4.8	0.42	ug/L		05/16/13 14:25	05/22/13 19:59	1
Phenol	ND		4.8	0.37	ug/L		05/16/13 14:25	05/22/13 19:59	1
Pyrene	**0.44**	**J**	4.8	0.33	ug/L		05/16/13 14:25	05/22/13 19:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*79*		*39 - 146*	*05/16/13 14:25*	*05/22/13 19:59*	*1*
2-Fluorobiphenyl	*77*		*37 - 120*	*05/16/13 14:25*	*05/22/13 19:59*	*1*
2-Fluorophenol	*42*		*18 - 120*	*05/16/13 14:25*	*05/22/13 19:59*	*1*
Nitrobenzene-d5	*71*		*34 - 132*	*05/16/13 14:25*	*05/22/13 19:59*	*1*
p-Terphenyl-d14	*90*		*58 - 147*	*05/16/13 14:25*	*05/22/13 19:59*	*1*
Phenol-d5	*34*		*11 - 120*	*05/16/13 14:25*	*05/22/13 19:59*	*1*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.49	0.17	ug/L		05/17/13 09:44	05/18/13 12:50	1
PCB-1221	ND		0.49	0.17	ug/L		05/17/13 09:44	05/18/13 12:50	1
PCB-1232	ND		0.49	0.17	ug/L		05/17/13 09:44	05/18/13 12:50	1
PCB-1242	ND		0.49	0.17	ug/L		05/17/13 09:44	05/18/13 12:50	1
PCB-1248	ND		0.49	0.17	ug/L		05/17/13 09:44	05/18/13 12:50	1
PCB-1254	ND		0.49	0.25	ug/L		05/17/13 09:44	05/18/13 12:50	1
PCB-1260	ND		0.49	0.25	ug/L		05/17/13 09:44	05/18/13 12:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*66*		*19 - 126*	*05/17/13 09:44*	*05/18/13 12:50*	*1*
Tetrachloro-m-xylene	*91*		*23 - 127*	*05/17/13 09:44*	*05/18/13 12:50*	*1*

Client Sample ID: MW-2

Lab Sample ID: 480-38363-2

Date Collected: 05/15/13 14:30

Matrix: Water

Date Received: 05/15/13 17:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/17/13 16:18	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/17/13 16:18	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/17/13 16:18	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/17/13 16:18	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/17/13 16:18	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/17/13 16:18	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/17/13 16:18	1
2-Hexanone	ND		5.0	1.2	ug/L			05/17/13 16:18	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/17/13 16:18	1
1,2-Dichloroethene, Total	ND		2.0	0.70	ug/L			05/17/13 16:18	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/17/13 16:18	1
Acetone	ND		10	3.0	ug/L			05/17/13 16:18	1
Benzene	ND		1.0	0.41	ug/L			05/17/13 16:18	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/17/13 16:18	1
Bromoform	ND		1.0	0.26	ug/L			05/17/13 16:18	1

Client: Groundwater & Environmental Services Inc
Project/Site: Cherry Farms Annual GW Sample

TestAmerica Job ID: 480-38363-1

Client Sample ID: MW-2
Date Collected: 05/15/13 14:30
Date Received: 05/15/13 17:00

Lab Sample ID: 480-38363-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	ND		1.0	0.69	ug/L			05/17/13 16:18	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/17/13 16:18	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/17/13 16:18	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/17/13 16:18	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/17/13 16:18	1
Chloroethane	ND		1.0	0.32	ug/L			05/17/13 16:18	1
Chloroform	ND		1.0	0.34	ug/L			05/17/13 16:18	1
Chloromethane	ND		1.0	0.35	ug/L			05/17/13 16:18	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/17/13 16:18	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/17/13 16:18	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/17/13 16:18	1
Styrene	ND		1.0	0.73	ug/L			05/17/13 16:18	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/17/13 16:18	1
Toluene	ND		1.0	0.51	ug/L			05/17/13 16:18	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/17/13 16:18	1
Trichloroethene	ND		1.0	0.46	ug/L			05/17/13 16:18	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/17/13 16:18	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/17/13 16:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*66 - 137*		*05/17/13 16:18*	*1*
Toluene-d8 (Surr)	*100*		*71 - 126*		*05/17/13 16:18*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*05/17/13 16:18*	*1*

Method: 8270C_ASP - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		05/16/13 14:25	05/22/13 17:35	1
1,2,4-Trichlorobenzene	ND		9.9	0.44	ug/L		05/16/13 14:25	05/22/13 17:35	1
2,4,5-Trichlorophenol	**0.90**	**J**	5.0	0.48	ug/L		05/16/13 14:25	05/22/13 17:35	1
1,2-Dichlorobenzene	ND		9.9	0.40	ug/L		05/16/13 14:25	05/22/13 17:35	1
2,4,6-Trichlorophenol	**0.68**	**J**	5.0	0.60	ug/L		05/16/13 14:25	05/22/13 17:35	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		05/16/13 14:25	05/22/13 17:35	1
2,4-Dimethylphenol	ND	*	5.0	0.50	ug/L		05/16/13 14:25	05/22/13 17:35	1
1,3-Dichlorobenzene	ND		9.9	0.48	ug/L		05/16/13 14:25	05/22/13 17:35	1
2,4-Dinitrophenol	ND		9.9	2.2	ug/L		05/16/13 14:25	05/22/13 17:35	1
2,4-Dinitrotoluene	**1.1**	**J**	5.0	0.44	ug/L		05/16/13 14:25	05/22/13 17:35	1
1,4-Dichlorobenzene	ND		9.9	0.46	ug/L		05/16/13 14:25	05/22/13 17:35	1
2,6-Dinitrotoluene	**0.74**	**J**	5.0	0.40	ug/L		05/16/13 14:25	05/22/13 17:35	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		05/16/13 14:25	05/22/13 17:35	1
2-Chlorophenol	ND		5.0	0.52	ug/L		05/16/13 14:25	05/22/13 17:35	1
2-Methylnaphthalene	ND		5.0	0.59	ug/L		05/16/13 14:25	05/22/13 17:35	1
2-Methylphenol	ND		5.0	0.40	ug/L		05/16/13 14:25	05/22/13 17:35	1
2-Nitroaniline	**0.70**	**J**	9.9	0.42	ug/L		05/16/13 14:25	05/22/13 17:35	1
2-Nitrophenol	ND		5.0	0.48	ug/L		05/16/13 14:25	05/22/13 17:35	1
3,3'-Dichlorobenzidine	**1.0**	**J**	5.0	0.40	ug/L		05/16/13 14:25	05/22/13 17:35	1
3-Nitroaniline	ND	*	9.9	0.48	ug/L		05/16/13 14:25	05/22/13 17:35	1
4,6-Dinitro-2-methylphenol	ND		9.9	2.2	ug/L		05/16/13 14:25	05/22/13 17:35	1
4-Bromophenyl phenyl ether	**0.97**	**J**	5.0	0.45	ug/L		05/16/13 14:25	05/22/13 17:35	1
4-Chloro-3-methylphenol	**0.82**	**J**	5.0	0.45	ug/L		05/16/13 14:25	05/22/13 17:35	1
4-Chloroaniline	ND	*	5.0	0.58	ug/L		05/16/13 14:25	05/22/13 17:35	1

Client: Groundwater & Environmental Services Inc
Project/Site: Cherry Farms Annual GW Sample

TestAmerica Job ID: 480-38363-1

Client Sample ID: MW-2
Date Collected: 05/15/13 14:30
Date Received: 05/15/13 17:00

Lab Sample ID: 480-38363-2
Matrix: Water

Method: 8270C_ASP - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorophenyl phenyl ether	**0.71**	**J**	5.0	0.35	ug/L		05/16/13 14:25	05/22/13 17:35	1
4-Methylphenol	ND		9.9	0.36	ug/L		05/16/13 14:25	05/22/13 17:35	1
4-Nitroaniline	ND		9.9	0.25	ug/L		05/16/13 14:25	05/22/13 17:35	1
4-Nitrophenol	ND		9.9	1.5	ug/L		05/16/13 14:25	05/22/13 17:35	1
Acenaphthene	ND		5.0	0.41	ug/L		05/16/13 14:25	05/22/13 17:35	1
Acenaphthylene	ND		5.0	0.38	ug/L		05/16/13 14:25	05/22/13 17:35	1
Anthracene	**0.65**	**J**	5.0	0.28	ug/L		05/16/13 14:25	05/22/13 17:35	1
Benzo[a]anthracene	**3.1**	**J B**	5.0	0.36	ug/L		05/16/13 14:25	05/22/13 17:35	1
Benzo[a]pyrene	**1.9**	**J**	5.0	0.47	ug/L		05/16/13 14:25	05/22/13 17:35	1
Benzo[b]fluoranthene	**3.2**	**J B**	5.0	0.34	ug/L		05/16/13 14:25	05/22/13 17:35	1
Benzo[g,h,i]perylene	**2.1**	**J**	5.0	0.35	ug/L		05/16/13 14:25	05/22/13 17:35	1
Benzo[k]fluoranthene	**3.1**	**J**	5.0	0.72	ug/L		05/16/13 14:25	05/22/13 17:35	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		05/16/13 14:25	05/22/13 17:35	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		05/16/13 14:25	05/22/13 17:35	1
Bis(2-ethylhexyl) phthalate	**3.5**	**J**	5.0	1.8	ug/L		05/16/13 14:25	05/22/13 17:35	1
Butyl benzyl phthalate	**3.9**	**J B**	5.0	0.42	ug/L		05/16/13 14:25	05/22/13 17:35	1
Carbazole	**1.5**	**J**	5.0	0.30	ug/L		05/16/13 14:25	05/22/13 17:35	1
Chrysene	**1.4**	**J**	5.0	0.33	ug/L		05/16/13 14:25	05/22/13 17:35	1
Di-n-butyl phthalate	**2.2**	**J B**	5.0	0.31	ug/L		05/16/13 14:25	05/22/13 17:35	1
Di-n-octyl phthalate	**3.1**	**J B**	5.0	0.47	ug/L		05/16/13 14:25	05/22/13 17:35	1
Dibenz(a,h)anthracene	**1.1**	**J**	5.0	0.42	ug/L		05/16/13 14:25	05/22/13 17:35	1
Dibenzofuran	ND		9.9	0.51	ug/L		05/16/13 14:25	05/22/13 17:35	1
Diethyl phthalate	**1.3**	**J**	5.0	0.22	ug/L		05/16/13 14:25	05/22/13 17:35	1
Dimethyl phthalate	**0.76**	**J**	5.0	0.36	ug/L		05/16/13 14:25	05/22/13 17:35	1
Fluoranthene	**1.5**	**J**	5.0	0.40	ug/L		05/16/13 14:25	05/22/13 17:35	1
Fluorene	ND		5.0	0.36	ug/L		05/16/13 14:25	05/22/13 17:35	1
Hexachlorobenzene	**0.95**	**J**	5.0	0.51	ug/L		05/16/13 14:25	05/22/13 17:35	1
Hexachlorobutadiene	ND		0.50	0.67	ug/L		05/16/13 14:25	05/22/13 17:35	1
Hexachlorocyclopentadiene	ND		5.0	0.58	ug/L		05/16/13 14:25	05/22/13 17:35	1
Hexachloroethane	ND		5.0	0.58	ug/L		05/16/13 14:25	05/22/13 17:35	1
Indeno[1,2,3-cd]pyrene	**1.8**	**J**	5.0	0.47	ug/L		05/16/13 14:25	05/22/13 17:35	1
Isophorone	ND		5.0	0.43	ug/L		05/16/13 14:25	05/22/13 17:35	1
N-Nitrosodi-n-propylamine	ND		5.0	0.53	ug/L		05/16/13 14:25	05/22/13 17:35	1
N-Nitrosodiphenylamine	**1.2**	**J**	5.0	0.51	ug/L		05/16/13 14:25	05/22/13 17:35	1
Naphthalene	ND		5.0	0.75	ug/L		05/16/13 14:25	05/22/13 17:35	1
Nitrobenzene	ND		5.0	0.29	ug/L		05/16/13 14:25	05/22/13 17:35	1
Pentachlorophenol	ND		9.9	2.2	ug/L		05/16/13 14:25	05/22/13 17:35	1
Phenanthrene	**1.0**	**J**	5.0	0.44	ug/L		05/16/13 14:25	05/22/13 17:35	1
Phenol	ND		5.0	0.39	ug/L		05/16/13 14:25	05/22/13 17:35	1
Pyrene	**1.7**	**J**	5.0	0.34	ug/L		05/16/13 14:25	05/22/13 17:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*82*		*39 - 146*	*05/16/13 14:25*	*05/22/13 17:35*	*1*
2-Fluorobiphenyl	*81*		*37 - 120*	*05/16/13 14:25*	*05/22/13 17:35*	*1*
2-Fluorophenol	*48*		*18 - 120*	*05/16/13 14:25*	*05/22/13 17:35*	*1*
Nitrobenzene-d5	*75*		*34 - 132*	*05/16/13 14:25*	*05/22/13 17:35*	*1*
p-Terphenyl-d14	*83*		*58 - 147*	*05/16/13 14:25*	*05/22/13 17:35*	*1*
Phenol-d5	*37*		*11 - 120*	*05/16/13 14:25*	*05/22/13 17:35*	*1*

Client: Groundwater & Environmental Services Inc
Project/Site: Cherry Farms Annual GW Sample

TestAmerica Job ID: 480-38363-1

Client Sample ID: MW-2

Lab Sample ID: 480-38363-2

Date Collected: 05/15/13 14:30

Matrix: Water

Date Received: 05/15/13 17:00

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.48	0.17	ug/L		05/17/13 09:44	05/18/13 13:06	1
PCB-1221	ND		0.48	0.17	ug/L		05/17/13 09:44	05/18/13 13:06	1
PCB-1232	ND		0.48	0.17	ug/L		05/17/13 09:44	05/18/13 13:06	1
PCB-1242	ND		0.48	0.17	ug/L		05/17/13 09:44	05/18/13 13:06	1
PCB-1248	ND		0.48	0.17	ug/L		05/17/13 09:44	05/18/13 13:06	1
PCB-1254	ND		0.48	0.24	ug/L		05/17/13 09:44	05/18/13 13:06	1
PCB-1260	ND		0.48	0.24	ug/L		05/17/13 09:44	05/18/13 13:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*64*		*19 - 126*	*05/17/13 09:44*	*05/18/13 13:06*	*1*
Tetrachloro-m-xylene	*88*		*23 - 127*	*05/17/13 09:44*	*05/18/13 13:06*	*1*

Client Sample ID: MW-3

Lab Sample ID: 480-38363-3

Date Collected: 05/15/13 15:00

Matrix: Water

Date Received: 05/15/13 17:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/17/13 16:45	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/17/13 16:45	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/17/13 16:45	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/17/13 16:45	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/17/13 16:45	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/17/13 16:45	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/17/13 16:45	1
2-Hexanone	ND		5.0	1.2	ug/L			05/17/13 16:45	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/17/13 16:45	1
1,2-Dichloroethene, Total	ND		2.0	0.70	ug/L			05/17/13 16:45	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/17/13 16:45	1
Acetone	ND		10	3.0	ug/L			05/17/13 16:45	1
Benzene	ND		1.0	0.41	ug/L			05/17/13 16:45	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/17/13 16:45	1
Bromoform	ND		1.0	0.26	ug/L			05/17/13 16:45	1
Bromomethane	ND		1.0	0.69	ug/L			05/17/13 16:45	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/17/13 16:45	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/17/13 16:45	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/17/13 16:45	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/17/13 16:45	1
Chloroethane	ND		1.0	0.32	ug/L			05/17/13 16:45	1
Chloroform	ND		1.0	0.34	ug/L			05/17/13 16:45	1
Chloromethane	ND		1.0	0.35	ug/L			05/17/13 16:45	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/17/13 16:45	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/17/13 16:45	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/17/13 16:45	1
Styrene	ND		1.0	0.73	ug/L			05/17/13 16:45	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/17/13 16:45	1
Toluene	ND		1.0	0.51	ug/L			05/17/13 16:45	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/17/13 16:45	1
Trichloroethene	ND		1.0	0.46	ug/L			05/17/13 16:45	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/17/13 16:45	1

Client: Groundwater & Environmental Services Inc
Project/Site: Cherry Farms Annual GW Sample

TestAmerica Job ID: 480-38363-1

Client Sample ID: MW-3
Date Collected: 05/15/13 15:00
Date Received: 05/15/13 17:00

Lab Sample ID: 480-38363-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		2.0	0.66	ug/L			05/17/13 16:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*66 - 137*		*05/17/13 16:45*	*1*
Toluene-d8 (Surr)	*101*		*71 - 126*		*05/17/13 16:45*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*05/17/13 16:45*	*1*

Method: 8270C_ASP - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
bis (2-chloroisopropyl) ether	ND		4.7	0.48	ug/L		05/16/13 14:25	05/22/13 20:27	1
1,2,4-Trichlorobenzene	ND		9.3	0.41	ug/L		05/16/13 14:25	05/22/13 20:27	1
2,4,5-Trichlorophenol	ND		4.7	0.45	ug/L		05/16/13 14:25	05/22/13 20:27	1
1,2-Dichlorobenzene	ND		9.3	0.37	ug/L		05/16/13 14:25	05/22/13 20:27	1
2,4,6-Trichlorophenol	ND		4.7	0.57	ug/L		05/16/13 14:25	05/22/13 20:27	1
2,4-Dichlorophenol	ND		4.7	0.47	ug/L		05/16/13 14:25	05/22/13 20:27	1
2,4-Dimethylphenol	ND	*	4.7	0.47	ug/L		05/16/13 14:25	05/22/13 20:27	1
1,3-Dichlorobenzene	ND		9.3	0.45	ug/L		05/16/13 14:25	05/22/13 20:27	1
2,4-Dinitrophenol	ND		9.3	2.1	ug/L		05/16/13 14:25	05/22/13 20:27	1
2,4-Dinitrotoluene	ND		4.7	0.42	ug/L		05/16/13 14:25	05/22/13 20:27	1
1,4-Dichlorobenzene	ND		9.3	0.43	ug/L		05/16/13 14:25	05/22/13 20:27	1
2,6-Dinitrotoluene	ND		4.7	0.37	ug/L		05/16/13 14:25	05/22/13 20:27	1
2-Chloronaphthalene	ND		4.7	0.43	ug/L		05/16/13 14:25	05/22/13 20:27	1
2-Chlorophenol	ND		4.7	0.49	ug/L		05/16/13 14:25	05/22/13 20:27	1
2-Methylnaphthalene	ND		4.7	0.56	ug/L		05/16/13 14:25	05/22/13 20:27	1
2-Methylphenol	ND		4.7	0.37	ug/L		05/16/13 14:25	05/22/13 20:27	1
2-Nitroaniline	ND		9.3	0.39	ug/L		05/16/13 14:25	05/22/13 20:27	1
2-Nitrophenol	ND		4.7	0.45	ug/L		05/16/13 14:25	05/22/13 20:27	1
3,3'-Dichlorobenzidine	ND		4.7	0.37	ug/L		05/16/13 14:25	05/22/13 20:27	1
3-Nitroaniline	ND	*	9.3	0.45	ug/L		05/16/13 14:25	05/22/13 20:27	1
4,6-Dinitro-2-methylphenol	ND		9.3	2.0	ug/L		05/16/13 14:25	05/22/13 20:27	1
4-Bromophenyl phenyl ether	ND		4.7	0.42	ug/L		05/16/13 14:25	05/22/13 20:27	1
4-Chloro-3-methylphenol	ND		4.7	0.42	ug/L		05/16/13 14:25	05/22/13 20:27	1
4-Chloroaniline	ND	*	4.7	0.55	ug/L		05/16/13 14:25	05/22/13 20:27	1
4-Chlorophenyl phenyl ether	ND		4.7	0.33	ug/L		05/16/13 14:25	05/22/13 20:27	1
4-Methylphenol	ND		9.3	0.34	ug/L		05/16/13 14:25	05/22/13 20:27	1
4-Nitroaniline	ND		9.3	0.23	ug/L		05/16/13 14:25	05/22/13 20:27	1
4-Nitrophenol	ND		9.3	1.4	ug/L		05/16/13 14:25	05/22/13 20:27	1
Acenaphthene	ND		4.7	0.38	ug/L		05/16/13 14:25	05/22/13 20:27	1
Acenaphthylene	ND		4.7	0.35	ug/L		05/16/13 14:25	05/22/13 20:27	1
Anthracene	ND		4.7	0.26	ug/L		05/16/13 14:25	05/22/13 20:27	1
Benzo[a]anthracene	**0.48**	**J B**	4.7	0.34	ug/L		05/16/13 14:25	05/22/13 20:27	1
Benzo[a]pyrene	ND		4.7	0.44	ug/L		05/16/13 14:25	05/22/13 20:27	1
Benzo[b]fluoranthene	**0.45**	**J B**	4.7	0.32	ug/L		05/16/13 14:25	05/22/13 20:27	1
Benzo[g,h,i]perylene	**0.35**	**J**	4.7	0.33	ug/L		05/16/13 14:25	05/22/13 20:27	1
Benzo[k]fluoranthene	ND		4.7	0.68	ug/L		05/16/13 14:25	05/22/13 20:27	1
Bis(2-chloroethoxy)methane	ND		4.7	0.33	ug/L		05/16/13 14:25	05/22/13 20:27	1
Bis(2-chloroethyl)ether	ND		4.7	0.37	ug/L		05/16/13 14:25	05/22/13 20:27	1
Bis(2-ethylhexyl) phthalate	ND		4.7	1.7	ug/L		05/16/13 14:25	05/22/13 20:27	1
Butyl benzyl phthalate	**0.61**	**J B**	4.7	0.39	ug/L		05/16/13 14:25	05/22/13 20:27	1
Carbazole	ND		4.7	0.28	ug/L		05/16/13 14:25	05/22/13 20:27	1

Client: Groundwater & Environmental Services Inc
Project/Site: Cherry Farms Annual GW Sample

TestAmerica Job ID: 480-38363-1

Client Sample ID: MW-3
Date Collected: 05/15/13 15:00
Date Received: 05/15/13 17:00

Lab Sample ID: 480-38363-3
Matrix: Water

Method: 8270C_ASP - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	ND		4.7	0.31	ug/L		05/16/13 14:25	05/22/13 20:27	1
Di-n-butyl phthalate	**0.49**	**J B**	4.7	0.29	ug/L		05/16/13 14:25	05/22/13 20:27	1
Di-n-octyl phthalate	**0.56**	**J B**	4.7	0.44	ug/L		05/16/13 14:25	05/22/13 20:27	1
Dibenz(a,h)anthracene	ND		4.7	0.39	ug/L		05/16/13 14:25	05/22/13 20:27	1
Dibenzofuran	ND		9.3	0.47	ug/L		05/16/13 14:25	05/22/13 20:27	1
Diethyl phthalate	**0.23**	**J**	4.7	0.20	ug/L		05/16/13 14:25	05/22/13 20:27	1
Dimethyl phthalate	ND		4.7	0.34	ug/L		05/16/13 14:25	05/22/13 20:27	1
Fluoranthene	ND		4.7	0.37	ug/L		05/16/13 14:25	05/22/13 20:27	1
Fluorene	ND		4.7	0.34	ug/L		05/16/13 14:25	05/22/13 20:27	1
Hexachlorobenzene	ND		4.7	0.47	ug/L		05/16/13 14:25	05/22/13 20:27	1
Hexachlorobutadiene	ND		0.47	0.63	ug/L		05/16/13 14:25	05/22/13 20:27	1
Hexachlorocyclopentadiene	ND		4.7	0.55	ug/L		05/16/13 14:25	05/22/13 20:27	1
Hexachloroethane	ND		4.7	0.55	ug/L		05/16/13 14:25	05/22/13 20:27	1
Indeno[1,2,3-cd]pyrene	ND		4.7	0.44	ug/L		05/16/13 14:25	05/22/13 20:27	1
Isophorone	ND		4.7	0.40	ug/L		05/16/13 14:25	05/22/13 20:27	1
N-Nitrosodi-n-propylamine	ND		4.7	0.50	ug/L		05/16/13 14:25	05/22/13 20:27	1
N-Nitrosodiphenylamine	ND		4.7	0.47	ug/L		05/16/13 14:25	05/22/13 20:27	1
Naphthalene	ND		4.7	0.71	ug/L		05/16/13 14:25	05/22/13 20:27	1
Nitrobenzene	ND		4.7	0.27	ug/L		05/16/13 14:25	05/22/13 20:27	1
Pentachlorophenol	ND		9.3	2.0	ug/L		05/16/13 14:25	05/22/13 20:27	1
Phenanthrene	ND		4.7	0.41	ug/L		05/16/13 14:25	05/22/13 20:27	1
Phenol	ND		4.7	0.36	ug/L		05/16/13 14:25	05/22/13 20:27	1
Pyrene	ND		4.7	0.32	ug/L		05/16/13 14:25	05/22/13 20:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*77*		*39 - 146*	*05/16/13 14:25*	*05/22/13 20:27*	*1*
2-Fluorobiphenyl	*64*		*37 - 120*	*05/16/13 14:25*	*05/22/13 20:27*	*1*
2-Fluorophenol	*40*		*18 - 120*	*05/16/13 14:25*	*05/22/13 20:27*	*1*
Nitrobenzene-d5	*60*		*34 - 132*	*05/16/13 14:25*	*05/22/13 20:27*	*1*
p-Terphenyl-d14	*77*		*58 - 147*	*05/16/13 14:25*	*05/22/13 20:27*	*1*
Phenol-d5	*32*		*11 - 120*	*05/16/13 14:25*	*05/22/13 20:27*	*1*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.48	0.17	ug/L		05/17/13 09:44	05/18/13 13:22	1
PCB-1221	ND		0.48	0.17	ug/L		05/17/13 09:44	05/18/13 13:22	1
PCB-1232	ND		0.48	0.17	ug/L		05/17/13 09:44	05/18/13 13:22	1
PCB-1242	ND		0.48	0.17	ug/L		05/17/13 09:44	05/18/13 13:22	1
PCB-1248	ND		0.48	0.17	ug/L		05/17/13 09:44	05/18/13 13:22	1
PCB-1254	ND		0.48	0.24	ug/L		05/17/13 09:44	05/18/13 13:22	1
PCB-1260	ND		0.48	0.24	ug/L		05/17/13 09:44	05/18/13 13:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*60*		*19 - 126*	*05/17/13 09:44*	*05/18/13 13:22*	*1*
Tetrachloro-m-xylene	*90*		*23 - 127*	*05/17/13 09:44*	*05/18/13 13:22*	*1*

Client: Groundwater & Environmental Services Inc
Project/Site: Cherry Farms Annual GW Sample

TestAmerica Job ID: 480-38363-1

Client Sample ID: MW-4
Date Collected: 05/15/13 15:13
Date Received: 05/15/13 17:00

Lab Sample ID: 480-38363-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/17/13 17:13	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/17/13 17:13	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/17/13 17:13	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/17/13 17:13	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/17/13 17:13	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/17/13 17:13	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/17/13 17:13	1
2-Hexanone	ND		5.0	1.2	ug/L			05/17/13 17:13	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/17/13 17:13	1
1,2-Dichloroethene, Total	ND		2.0	0.70	ug/L			05/17/13 17:13	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/17/13 17:13	1
Acetone	ND		10	3.0	ug/L			05/17/13 17:13	1
Benzene	ND		1.0	0.41	ug/L			05/17/13 17:13	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/17/13 17:13	1
Bromoform	ND		1.0	0.26	ug/L			05/17/13 17:13	1
Bromomethane	ND		1.0	0.69	ug/L			05/17/13 17:13	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/17/13 17:13	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/17/13 17:13	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/17/13 17:13	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/17/13 17:13	1
Chloroethane	ND		1.0	0.32	ug/L			05/17/13 17:13	1
Chloroform	ND		1.0	0.34	ug/L			05/17/13 17:13	1
Chloromethane	ND		1.0	0.35	ug/L			05/17/13 17:13	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/17/13 17:13	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/17/13 17:13	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/17/13 17:13	1
Styrene	ND		1.0	0.73	ug/L			05/17/13 17:13	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/17/13 17:13	1
Toluene	ND		1.0	0.51	ug/L			05/17/13 17:13	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/17/13 17:13	1
Trichloroethene	ND		1.0	0.46	ug/L			05/17/13 17:13	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/17/13 17:13	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/17/13 17:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*66 - 137*		*05/17/13 17:13*	*1*
Toluene-d8 (Surr)	*101*		*71 - 126*		*05/17/13 17:13*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*05/17/13 17:13*	*1*

Method: 8270C_ASP - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
bis (2-chloroisopropyl) ether	ND		4.7	0.48	ug/L		05/16/13 14:25	05/23/13 13:00	1
1,2,4-Trichlorobenzene	ND		9.3	0.41	ug/L		05/16/13 14:25	05/23/13 13:00	1
2,4,5-Trichlorophenol	ND		4.7	0.45	ug/L		05/16/13 14:25	05/23/13 13:00	1
1,2-Dichlorobenzene	ND		9.3	0.37	ug/L		05/16/13 14:25	05/23/13 13:00	1
2,4,6-Trichlorophenol	ND		4.7	0.57	ug/L		05/16/13 14:25	05/23/13 13:00	1
2,4-Dichlorophenol	ND		4.7	0.48	ug/L		05/16/13 14:25	05/23/13 13:00	1
2,4-Dimethylphenol	ND	*	4.7	0.47	ug/L		05/16/13 14:25	05/23/13 13:00	1
1,3-Dichlorobenzene	ND		9.3	0.45	ug/L		05/16/13 14:25	05/23/13 13:00	1
2,4-Dinitrophenol	ND		9.3	2.1	ug/L		05/16/13 14:25	05/23/13 13:00	1

Client: Groundwater & Environmental Services Inc
Project/Site: Cherry Farms Annual GW Sample

TestAmerica Job ID: 480-38363-1

Client Sample ID: MW-4
Date Collected: 05/15/13 15:13
Date Received: 05/15/13 17:00

Lab Sample ID: 480-38363-4
Matrix: Water

Method: 8270C_ASP - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	ND		4.7	0.42	ug/L		05/16/13 14:25	05/23/13 13:00	1
1,4-Dichlorobenzene	ND		9.3	0.43	ug/L		05/16/13 14:25	05/23/13 13:00	1
2,6-Dinitrotoluene	ND		4.7	0.37	ug/L		05/16/13 14:25	05/23/13 13:00	1
2-Chloronaphthalene	ND		4.7	0.43	ug/L		05/16/13 14:25	05/23/13 13:00	1
2-Chlorophenol	ND		4.7	0.49	ug/L		05/16/13 14:25	05/23/13 13:00	1
2-Methylnaphthalene	ND		4.7	0.56	ug/L		05/16/13 14:25	05/23/13 13:00	1
2-Methylphenol	ND		4.7	0.37	ug/L		05/16/13 14:25	05/23/13 13:00	1
2-Nitroaniline	ND		9.3	0.39	ug/L		05/16/13 14:25	05/23/13 13:00	1
2-Nitrophenol	ND		4.7	0.45	ug/L		05/16/13 14:25	05/23/13 13:00	1
3,3'-Dichlorobenzidine	ND		4.7	0.37	ug/L		05/16/13 14:25	05/23/13 13:00	1
3-Nitroaniline	ND	*	9.3	0.45	ug/L		05/16/13 14:25	05/23/13 13:00	1
4,6-Dinitro-2-methylphenol	ND		9.3	2.0	ug/L		05/16/13 14:25	05/23/13 13:00	1
4-Bromophenyl phenyl ether	ND		4.7	0.42	ug/L		05/16/13 14:25	05/23/13 13:00	1
4-Chloro-3-methylphenol	ND		4.7	0.42	ug/L		05/16/13 14:25	05/23/13 13:00	1
4-Chloroaniline	ND	*	4.7	0.55	ug/L		05/16/13 14:25	05/23/13 13:00	1
4-Chlorophenyl phenyl ether	ND		4.7	0.33	ug/L		05/16/13 14:25	05/23/13 13:00	1
4-Methylphenol	ND		9.3	0.34	ug/L		05/16/13 14:25	05/23/13 13:00	1
4-Nitroaniline	ND		9.3	0.23	ug/L		05/16/13 14:25	05/23/13 13:00	1
4-Nitrophenol	ND		9.3	1.4	ug/L		05/16/13 14:25	05/23/13 13:00	1
Acenaphthene	ND		4.7	0.38	ug/L		05/16/13 14:25	05/23/13 13:00	1
Acenaphthylene	ND		4.7	0.35	ug/L		05/16/13 14:25	05/23/13 13:00	1
Anthracene	ND		4.7	0.26	ug/L		05/16/13 14:25	05/23/13 13:00	1
Benzo[a]anthracene	**0.90**	**J B**	4.7	0.34	ug/L		05/16/13 14:25	05/23/13 13:00	1
Benzo[a]pyrene	**0.55**	**J**	4.7	0.44	ug/L		05/16/13 14:25	05/23/13 13:00	1
Benzo[b]fluoranthene	**0.89**	**J B**	4.7	0.32	ug/L		05/16/13 14:25	05/23/13 13:00	1
Benzo[g,h,i]perylene	**0.70**	**J**	4.7	0.33	ug/L		05/16/13 14:25	05/23/13 13:00	1
Benzo[k]fluoranthene	**0.93**	**J**	4.7	0.68	ug/L		05/16/13 14:25	05/23/13 13:00	1
Bis(2-chloroethoxy)methane	ND		4.7	0.33	ug/L		05/16/13 14:25	05/23/13 13:00	1
Bis(2-chloroethyl)ether	ND		4.7	0.37	ug/L		05/16/13 14:25	05/23/13 13:00	1
Bis(2-ethylhexyl) phthalate	ND		4.7	1.7	ug/L		05/16/13 14:25	05/23/13 13:00	1
Butyl benzyl phthalate	**1.2**	**J B**	4.7	0.39	ug/L		05/16/13 14:25	05/23/13 13:00	1
Carbazole	ND		4.7	0.28	ug/L		05/16/13 14:25	05/23/13 13:00	1
Chrysene	**0.40**	**J**	4.7	0.31	ug/L		05/16/13 14:25	05/23/13 13:00	1
Di-n-butyl phthalate	**0.84**	**J B**	4.7	0.29	ug/L		05/16/13 14:25	05/23/13 13:00	1
Di-n-octyl phthalate	**1.1**	**J B**	4.7	0.44	ug/L		05/16/13 14:25	05/23/13 13:00	1
Dibenz(a,h)anthracene	ND		4.7	0.39	ug/L		05/16/13 14:25	05/23/13 13:00	1
Dibenzofuran	ND		9.3	0.48	ug/L		05/16/13 14:25	05/23/13 13:00	1
Diethyl phthalate	**0.32**	**J**	4.7	0.20	ug/L		05/16/13 14:25	05/23/13 13:00	1
Dimethyl phthalate	ND		4.7	0.34	ug/L		05/16/13 14:25	05/23/13 13:00	1
Fluoranthene	ND		4.7	0.37	ug/L		05/16/13 14:25	05/23/13 13:00	1
Fluorene	ND		4.7	0.34	ug/L		05/16/13 14:25	05/23/13 13:00	1
Hexachlorobenzene	ND		4.7	0.48	ug/L		05/16/13 14:25	05/23/13 13:00	1
Hexachlorobutadiene	ND		0.47	0.63	ug/L		05/16/13 14:25	05/23/13 13:00	1
Hexachlorocyclopentadiene	ND		4.7	0.55	ug/L		05/16/13 14:25	05/23/13 13:00	1
Hexachloroethane	ND		4.7	0.55	ug/L		05/16/13 14:25	05/23/13 13:00	1
Indeno[1,2,3-cd]pyrene	**0.61**	**J**	4.7	0.44	ug/L		05/16/13 14:25	05/23/13 13:00	1
Isophorone	ND		4.7	0.40	ug/L		05/16/13 14:25	05/23/13 13:00	1
N-Nitrosodi-n-propylamine	ND		4.7	0.50	ug/L		05/16/13 14:25	05/23/13 13:00	1
N-Nitrosodiphenylamine	ND		4.7	0.48	ug/L		05/16/13 14:25	05/23/13 13:00	1

Client Sample ID: MW-4

Lab Sample ID: 480-38363-4

Date Collected: 05/15/13 15:13

Matrix: Water

Date Received: 05/15/13 17:00

Method: 8270C_ASP - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		4.7	0.71	ug/L		05/16/13 14:25	05/23/13 13:00	1
Nitrobenzene	ND		4.7	0.27	ug/L		05/16/13 14:25	05/23/13 13:00	1
Pentachlorophenol	ND		9.3	2.0	ug/L		05/16/13 14:25	05/23/13 13:00	1
Phenanthrene	ND		4.7	0.41	ug/L		05/16/13 14:25	05/23/13 13:00	1
Phenol	ND		4.7	0.36	ug/L		05/16/13 14:25	05/23/13 13:00	1
Pyrene	**0.48**	**J**	4.7	0.32	ug/L		05/16/13 14:25	05/23/13 13:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*71*		*39 - 146*	*05/16/13 14:25*	*05/23/13 13:00*	*1*
2-Fluorobiphenyl	*82*		*37 - 120*	*05/16/13 14:25*	*05/23/13 13:00*	*1*
2-Fluorophenol	*40*		*18 - 120*	*05/16/13 14:25*	*05/23/13 13:00*	*1*
Nitrobenzene-d5	*73*		*34 - 132*	*05/16/13 14:25*	*05/23/13 13:00*	*1*
p-Terphenyl-d14	*92*		*58 - 147*	*05/16/13 14:25*	*05/23/13 13:00*	*1*
Phenol-d5	*33*		*11 - 120*	*05/16/13 14:25*	*05/23/13 13:00*	*1*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.46	0.16	ug/L		05/17/13 09:44	05/18/13 13:38	1
PCB-1221	ND		0.46	0.16	ug/L		05/17/13 09:44	05/18/13 13:38	1
PCB-1232	ND		0.46	0.16	ug/L		05/17/13 09:44	05/18/13 13:38	1
PCB-1242	ND		0.46	0.16	ug/L		05/17/13 09:44	05/18/13 13:38	1
PCB-1248	ND		0.46	0.16	ug/L		05/17/13 09:44	05/18/13 13:38	1
PCB-1254	ND		0.46	0.23	ug/L		05/17/13 09:44	05/18/13 13:38	1
PCB-1260	ND		0.46	0.23	ug/L		05/17/13 09:44	05/18/13 13:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*63*		*19 - 126*	*05/17/13 09:44*	*05/18/13 13:38*	*1*
Tetrachloro-m-xylene	*88*		*23 - 127*	*05/17/13 09:44*	*05/18/13 13:38*	*1*

Client Sample ID: MW-5

Lab Sample ID: 480-38363-5

Date Collected: 05/15/13 15:30

Matrix: Water

Date Received: 05/15/13 17:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		10	8.2	ug/L			05/17/13 17:41	10
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L			05/17/13 17:41	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			05/17/13 17:41	10
1,1-Dichloroethane	ND		10	3.8	ug/L			05/17/13 17:41	10
1,1-Dichloroethene	ND		10	2.9	ug/L			05/17/13 17:41	10
1,2-Dichloroethane	ND		10	2.1	ug/L			05/17/13 17:41	10
1,2-Dichloropropane	ND		10	7.2	ug/L			05/17/13 17:41	10
2-Hexanone	ND		50	12	ug/L			05/17/13 17:41	10
2-Butanone (MEK)	ND		100	13	ug/L			05/17/13 17:41	10
1,2-Dichloroethene, Total	ND		20	7.0	ug/L			05/17/13 17:41	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			05/17/13 17:41	10
Acetone	ND		100	30	ug/L			05/17/13 17:41	10
Benzene	**130**		10	4.1	ug/L			05/17/13 17:41	10
Bromodichloromethane	ND		10	3.9	ug/L			05/17/13 17:41	10
Bromoform	ND		10	2.6	ug/L			05/17/13 17:41	10

Client Sample ID: MW-5
Date Collected: 05/15/13 15:30
Date Received: 05/15/13 17:00

Lab Sample ID: 480-38363-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	ND		10	6.9	ug/L			05/17/13 17:41	10
Carbon disulfide	ND		10	1.9	ug/L			05/17/13 17:41	10
Carbon tetrachloride	ND		10	2.7	ug/L			05/17/13 17:41	10
Chlorobenzene	ND		10	7.5	ug/L			05/17/13 17:41	10
Dibromochloromethane	ND		10	3.2	ug/L			05/17/13 17:41	10
Chloroethane	ND		10	3.2	ug/L			05/17/13 17:41	10
Chloroform	ND		10	3.4	ug/L			05/17/13 17:41	10
Chloromethane	ND		10	3.5	ug/L			05/17/13 17:41	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			05/17/13 17:41	10
Ethylbenzene	ND		10	7.4	ug/L			05/17/13 17:41	10
Methylene Chloride	ND		10	4.4	ug/L			05/17/13 17:41	10
Styrene	ND		10	7.3	ug/L			05/17/13 17:41	10
Tetrachloroethene	ND		10	3.6	ug/L			05/17/13 17:41	10
Toluene	**7.4**	**J**	10	5.1	ug/L			05/17/13 17:41	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			05/17/13 17:41	10
Trichloroethene	ND		10	4.6	ug/L			05/17/13 17:41	10
Vinyl chloride	ND		10	9.0	ug/L			05/17/13 17:41	10
Xylenes, Total	**27**		20	6.6	ug/L			05/17/13 17:41	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*66 - 137*		*05/17/13 17:41*	*10*
Toluene-d8 (Surr)	*101*		*71 - 126*		*05/17/13 17:41*	*10*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*05/17/13 17:41*	*10*

Method: 8270C_ASP - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		05/16/13 14:25	05/22/13 21:50	1
1,2,4-Trichlorobenzene	ND		9.9	0.44	ug/L		05/16/13 14:25	05/22/13 21:50	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		05/16/13 14:25	05/22/13 21:50	1
1,2-Dichlorobenzene	ND		9.9	0.40	ug/L		05/16/13 14:25	05/22/13 21:50	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		05/16/13 14:25	05/22/13 21:50	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		05/16/13 14:25	05/22/13 21:50	1
2,4-Dimethylphenol	**5.8**	*****	5.0	0.50	ug/L		05/16/13 14:25	05/22/13 21:50	1
1,3-Dichlorobenzene	ND		9.9	0.48	ug/L		05/16/13 14:25	05/22/13 21:50	1
2,4-Dinitrophenol	ND		9.9	2.2	ug/L		05/16/13 14:25	05/22/13 21:50	1
2,4-Dinitrotoluene	ND		5.0	0.44	ug/L		05/16/13 14:25	05/22/13 21:50	1
1,4-Dichlorobenzene	ND		9.9	0.46	ug/L		05/16/13 14:25	05/22/13 21:50	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		05/16/13 14:25	05/22/13 21:50	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		05/16/13 14:25	05/22/13 21:50	1
2-Chlorophenol	ND		5.0	0.53	ug/L		05/16/13 14:25	05/22/13 21:50	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		05/16/13 14:25	05/22/13 21:50	1
2-Methylphenol	**1.2**	**J**	5.0	0.40	ug/L		05/16/13 14:25	05/22/13 21:50	1
2-Nitroaniline	ND		9.9	0.42	ug/L		05/16/13 14:25	05/22/13 21:50	1
2-Nitrophenol	ND		5.0	0.48	ug/L		05/16/13 14:25	05/22/13 21:50	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		05/16/13 14:25	05/22/13 21:50	1
3-Nitroaniline	ND	*	9.9	0.48	ug/L		05/16/13 14:25	05/22/13 21:50	1
4,6-Dinitro-2-methylphenol	ND		9.9	2.2	ug/L		05/16/13 14:25	05/22/13 21:50	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		05/16/13 14:25	05/22/13 21:50	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		05/16/13 14:25	05/22/13 21:50	1
4-Chloroaniline	ND	*	5.0	0.59	ug/L		05/16/13 14:25	05/22/13 21:50	1

Client Sample ID: MW-5
Date Collected: 05/15/13 15:30
Date Received: 05/15/13 17:00

Lab Sample ID: 480-38363-5
Matrix: Water

Method: 8270C_ASP - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		05/16/13 14:25	05/22/13 21:50	1
4-Methylphenol	**1.3**	**J**	9.9	0.36	ug/L		05/16/13 14:25	05/22/13 21:50	1
4-Nitroaniline	ND		9.9	0.25	ug/L		05/16/13 14:25	05/22/13 21:50	1
4-Nitrophenol	ND		9.9	1.5	ug/L		05/16/13 14:25	05/22/13 21:50	1
Acenaphthene	ND		5.0	0.41	ug/L		05/16/13 14:25	05/22/13 21:50	1
Acenaphthylene	ND		5.0	0.38	ug/L		05/16/13 14:25	05/22/13 21:50	1
Anthracene	ND		5.0	0.28	ug/L		05/16/13 14:25	05/22/13 21:50	1
Benzo[a]anthracene	**0.57**	**J B**	5.0	0.36	ug/L		05/16/13 14:25	05/22/13 21:50	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		05/16/13 14:25	05/22/13 21:50	1
Benzo[b]fluoranthene	**0.60**	**J B**	5.0	0.34	ug/L		05/16/13 14:25	05/22/13 21:50	1
Benzo[g,h,i]perylene	**0.35**	**J**	5.0	0.35	ug/L		05/16/13 14:25	05/22/13 21:50	1
Benzo[k]fluoranthene	ND		5.0	0.72	ug/L		05/16/13 14:25	05/22/13 21:50	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		05/16/13 14:25	05/22/13 21:50	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		05/16/13 14:25	05/22/13 21:50	1
Bis(2-ethylhexyl) phthalate	ND		5.0	1.8	ug/L		05/16/13 14:25	05/22/13 21:50	1
Butyl benzyl phthalate	**0.86**	**J B**	5.0	0.42	ug/L		05/16/13 14:25	05/22/13 21:50	1
Carbazole	ND		5.0	0.30	ug/L		05/16/13 14:25	05/22/13 21:50	1
Chrysene	ND		5.0	0.33	ug/L		05/16/13 14:25	05/22/13 21:50	1
Di-n-butyl phthalate	**0.67**	**J B**	5.0	0.31	ug/L		05/16/13 14:25	05/22/13 21:50	1
Di-n-octyl phthalate	**0.64**	**J B**	5.0	0.47	ug/L		05/16/13 14:25	05/22/13 21:50	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		05/16/13 14:25	05/22/13 21:50	1
Dibenzofuran	ND		9.9	0.51	ug/L		05/16/13 14:25	05/22/13 21:50	1
Diethyl phthalate	**0.36**	**J**	5.0	0.22	ug/L		05/16/13 14:25	05/22/13 21:50	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		05/16/13 14:25	05/22/13 21:50	1
Fluoranthene	ND		5.0	0.40	ug/L		05/16/13 14:25	05/22/13 21:50	1
Fluorene	ND		5.0	0.36	ug/L		05/16/13 14:25	05/22/13 21:50	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		05/16/13 14:25	05/22/13 21:50	1
Hexachlorobutadiene	ND		0.50	0.67	ug/L		05/16/13 14:25	05/22/13 21:50	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		05/16/13 14:25	05/22/13 21:50	1
Hexachloroethane	ND		5.0	0.59	ug/L		05/16/13 14:25	05/22/13 21:50	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		05/16/13 14:25	05/22/13 21:50	1
Isophorone	ND		5.0	0.43	ug/L		05/16/13 14:25	05/22/13 21:50	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		05/16/13 14:25	05/22/13 21:50	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		05/16/13 14:25	05/22/13 21:50	1
Naphthalene	**26**	**B**	5.0	0.75	ug/L		05/16/13 14:25	05/22/13 21:50	1
Nitrobenzene	ND		5.0	0.29	ug/L		05/16/13 14:25	05/22/13 21:50	1
Pentachlorophenol	ND		9.9	2.2	ug/L		05/16/13 14:25	05/22/13 21:50	1
Phenanthrene	ND		5.0	0.44	ug/L		05/16/13 14:25	05/22/13 21:50	1
Phenol	**1.3**	**J**	5.0	0.39	ug/L		05/16/13 14:25	05/22/13 21:50	1
Pyrene	ND		5.0	0.34	ug/L		05/16/13 14:25	05/22/13 21:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*85*		*39 - 146*	*05/16/13 14:25*	*05/22/13 21:50*	*1*
2-Fluorobiphenyl	*64*		*37 - 120*	*05/16/13 14:25*	*05/22/13 21:50*	*1*
2-Fluorophenol	*30*		*18 - 120*	*05/16/13 14:25*	*05/22/13 21:50*	*1*
Nitrobenzene-d5	*53*		*34 - 132*	*05/16/13 14:25*	*05/22/13 21:50*	*1*
p-Terphenyl-d14	*86*		*58 - 147*	*05/16/13 14:25*	*05/22/13 21:50*	*1*
Phenol-d5	*27*		*11 - 120*	*05/16/13 14:25*	*05/22/13 21:50*	*1*

Client: Groundwater & Environmental Services Inc
Project/Site: Cherry Farms Annual GW Sample

TestAmerica Job ID: 480-38363-1

Client Sample ID: MW-5

Lab Sample ID: 480-38363-5

Date Collected: 05/15/13 15:30

Matrix: Water

Date Received: 05/15/13 17:00

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.48	0.17	ug/L		05/17/13 09:44	05/18/13 13:54	1
PCB-1221	ND		0.48	0.17	ug/L		05/17/13 09:44	05/18/13 13:54	1
PCB-1232	ND		0.48	0.17	ug/L		05/17/13 09:44	05/18/13 13:54	1
PCB-1242	ND		0.48	0.17	ug/L		05/17/13 09:44	05/18/13 13:54	1
PCB-1248	ND		0.48	0.17	ug/L		05/17/13 09:44	05/18/13 13:54	1
PCB-1254	ND		0.48	0.24	ug/L		05/17/13 09:44	05/18/13 13:54	1
PCB-1260	ND		0.48	0.24	ug/L		05/17/13 09:44	05/18/13 13:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*39*		*19 - 126*	*05/17/13 09:44*	*05/18/13 13:54*	*1*
Tetrachloro-m-xylene	*88*		*23 - 127*	*05/17/13 09:44*	*05/18/13 13:54*	*1*

Client Sample ID: MW-6

Lab Sample ID: 480-38363-6

Date Collected: 05/15/13 15:45

Matrix: Water

Date Received: 05/15/13 17:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/17/13 18:08	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/17/13 18:08	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/17/13 18:08	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/17/13 18:08	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/17/13 18:08	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/17/13 18:08	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/17/13 18:08	1
2-Hexanone	ND		5.0	1.2	ug/L			05/17/13 18:08	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/17/13 18:08	1
1,2-Dichloroethene, Total	ND		2.0	0.70	ug/L			05/17/13 18:08	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/17/13 18:08	1
Acetone	ND		10	3.0	ug/L			05/17/13 18:08	1
Benzene	ND		1.0	0.41	ug/L			05/17/13 18:08	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/17/13 18:08	1
Bromoform	ND		1.0	0.26	ug/L			05/17/13 18:08	1
Bromomethane	ND		1.0	0.69	ug/L			05/17/13 18:08	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/17/13 18:08	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/17/13 18:08	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/17/13 18:08	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/17/13 18:08	1
Chloroethane	ND		1.0	0.32	ug/L			05/17/13 18:08	1
Chloroform	ND		1.0	0.34	ug/L			05/17/13 18:08	1
Chloromethane	ND		1.0	0.35	ug/L			05/17/13 18:08	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/17/13 18:08	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/17/13 18:08	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/17/13 18:08	1
Styrene	ND		1.0	0.73	ug/L			05/17/13 18:08	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/17/13 18:08	1
Toluene	ND		1.0	0.51	ug/L			05/17/13 18:08	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/17/13 18:08	1
Trichloroethene	ND		1.0	0.46	ug/L			05/17/13 18:08	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/17/13 18:08	1

Client: Groundwater & Environmental Services Inc
Project/Site: Cherry Farms Annual GW Sample

TestAmerica Job ID: 480-38363-1

Client Sample ID: MW-6
Date Collected: 05/15/13 15:45
Date Received: 05/15/13 17:00

Lab Sample ID: 480-38363-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		2.0	0.66	ug/L			05/17/13 18:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*66 - 137*		*05/17/13 18:08*	*1*
Toluene-d8 (Surr)	*101*		*71 - 126*		*05/17/13 18:08*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*05/17/13 18:08*	*1*

Method: 8270C_ASP - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
bis (2-chloroisopropyl) ether	ND		4.8	0.49	ug/L		05/16/13 14:25	05/22/13 21:22	1
1,2,4-Trichlorobenzene	ND		9.5	0.42	ug/L		05/16/13 14:25	05/22/13 21:22	1
2,4,5-Trichlorophenol	ND		4.8	0.46	ug/L		05/16/13 14:25	05/22/13 21:22	1
1,2-Dichlorobenzene	ND		9.5	0.38	ug/L		05/16/13 14:25	05/22/13 21:22	1
2,4,6-Trichlorophenol	ND		4.8	0.58	ug/L		05/16/13 14:25	05/22/13 21:22	1
2,4-Dichlorophenol	ND		4.8	0.48	ug/L		05/16/13 14:25	05/22/13 21:22	1
2,4-Dimethylphenol	ND	*	4.8	0.48	ug/L		05/16/13 14:25	05/22/13 21:22	1
1,3-Dichlorobenzene	ND		9.5	0.46	ug/L		05/16/13 14:25	05/22/13 21:22	1
2,4-Dinitrophenol	ND		9.5	2.1	ug/L		05/16/13 14:25	05/22/13 21:22	1
2,4-Dinitrotoluene	ND		4.8	0.43	ug/L		05/16/13 14:25	05/22/13 21:22	1
1,4-Dichlorobenzene	ND		9.5	0.44	ug/L		05/16/13 14:25	05/22/13 21:22	1
2,6-Dinitrotoluene	ND		4.8	0.38	ug/L		05/16/13 14:25	05/22/13 21:22	1
2-Chloronaphthalene	ND		4.8	0.44	ug/L		05/16/13 14:25	05/22/13 21:22	1
2-Chlorophenol	ND		4.8	0.50	ug/L		05/16/13 14:25	05/22/13 21:22	1
2-Methylnaphthalene	ND		4.8	0.57	ug/L		05/16/13 14:25	05/22/13 21:22	1
2-Methylphenol	ND		4.8	0.38	ug/L		05/16/13 14:25	05/22/13 21:22	1
2-Nitroaniline	ND		9.5	0.40	ug/L		05/16/13 14:25	05/22/13 21:22	1
2-Nitrophenol	ND		4.8	0.46	ug/L		05/16/13 14:25	05/22/13 21:22	1
3,3'-Dichlorobenzidine	ND		4.8	0.38	ug/L		05/16/13 14:25	05/22/13 21:22	1
3-Nitroaniline	ND	*	9.5	0.46	ug/L		05/16/13 14:25	05/22/13 21:22	1
4,6-Dinitro-2-methylphenol	ND		9.5	2.1	ug/L		05/16/13 14:25	05/22/13 21:22	1
4-Bromophenyl phenyl ether	ND		4.8	0.43	ug/L		05/16/13 14:25	05/22/13 21:22	1
4-Chloro-3-methylphenol	ND		4.8	0.43	ug/L		05/16/13 14:25	05/22/13 21:22	1
4-Chloroaniline	ND	*	4.8	0.56	ug/L		05/16/13 14:25	05/22/13 21:22	1
4-Chlorophenyl phenyl ether	ND		4.8	0.33	ug/L		05/16/13 14:25	05/22/13 21:22	1
4-Methylphenol	ND		9.5	0.34	ug/L		05/16/13 14:25	05/22/13 21:22	1
4-Nitroaniline	ND		9.5	0.24	ug/L		05/16/13 14:25	05/22/13 21:22	1
4-Nitrophenol	ND		9.5	1.4	ug/L		05/16/13 14:25	05/22/13 21:22	1
Acenaphthene	ND		4.8	0.39	ug/L		05/16/13 14:25	05/22/13 21:22	1
Acenaphthylene	ND		4.8	0.36	ug/L		05/16/13 14:25	05/22/13 21:22	1
Anthracene	ND		4.8	0.27	ug/L		05/16/13 14:25	05/22/13 21:22	1
Benzo[a]anthracene	**0.75**	**J B**	4.8	0.34	ug/L		05/16/13 14:25	05/22/13 21:22	1
Benzo[a]pyrene	ND		4.8	0.45	ug/L		05/16/13 14:25	05/22/13 21:22	1
Benzo[b]fluoranthene	**0.70**	**J B**	4.8	0.32	ug/L		05/16/13 14:25	05/22/13 21:22	1
Benzo[g,h,i]perylene	**0.51**	**J**	4.8	0.33	ug/L		05/16/13 14:25	05/22/13 21:22	1
Benzo[k]fluoranthene	**0.82**	**J**	4.8	0.69	ug/L		05/16/13 14:25	05/22/13 21:22	1
Bis(2-chloroethoxy)methane	ND		4.8	0.33	ug/L		05/16/13 14:25	05/22/13 21:22	1
Bis(2-chloroethyl)ether	ND		4.8	0.38	ug/L		05/16/13 14:25	05/22/13 21:22	1
Bis(2-ethylhexyl) phthalate	ND		4.8	1.7	ug/L		05/16/13 14:25	05/22/13 21:22	1
Butyl benzyl phthalate	**0.94**	**J B**	4.8	0.40	ug/L		05/16/13 14:25	05/22/13 21:22	1
Carbazole	ND		4.8	0.29	ug/L		05/16/13 14:25	05/22/13 21:22	1

Client: Groundwater & Environmental Services Inc
Project/Site: Cherry Farms Annual GW Sample

TestAmerica Job ID: 480-38363-1

Client Sample ID: MW-6
Date Collected: 05/15/13 15:45
Date Received: 05/15/13 17:00

Lab Sample ID: 480-38363-6
Matrix: Water

Method: 8270C_ASP - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	**0.31**	**J**	4.8	0.31	ug/L		05/16/13 14:25	05/22/13 21:22	1
Di-n-butyl phthalate	**0.75**	**J B**	4.8	0.29	ug/L		05/16/13 14:25	05/22/13 21:22	1
Di-n-octyl phthalate	**0.85**	**J B**	4.8	0.45	ug/L		05/16/13 14:25	05/22/13 21:22	1
Dibenz(a,h)anthracene	ND		4.8	0.40	ug/L		05/16/13 14:25	05/22/13 21:22	1
Dibenzofuran	ND		9.5	0.48	ug/L		05/16/13 14:25	05/22/13 21:22	1
Diethyl phthalate	**0.34**	**J**	4.8	0.21	ug/L		05/16/13 14:25	05/22/13 21:22	1
Dimethyl phthalate	ND		4.8	0.34	ug/L		05/16/13 14:25	05/22/13 21:22	1
Fluoranthene	ND		4.8	0.38	ug/L		05/16/13 14:25	05/22/13 21:22	1
Fluorene	ND		4.8	0.34	ug/L		05/16/13 14:25	05/22/13 21:22	1
Hexachlorobenzene	ND		4.8	0.48	ug/L		05/16/13 14:25	05/22/13 21:22	1
Hexachlorobutadiene	ND		0.48	0.65	ug/L		05/16/13 14:25	05/22/13 21:22	1
Hexachlorocyclopentadiene	ND		4.8	0.56	ug/L		05/16/13 14:25	05/22/13 21:22	1
Hexachloroethane	ND		4.8	0.56	ug/L		05/16/13 14:25	05/22/13 21:22	1
Indeno[1,2,3-cd]pyrene	ND		4.8	0.45	ug/L		05/16/13 14:25	05/22/13 21:22	1
Isophorone	ND		4.8	0.41	ug/L		05/16/13 14:25	05/22/13 21:22	1
N-Nitrosodi-n-propylamine	ND		4.8	0.51	ug/L		05/16/13 14:25	05/22/13 21:22	1
N-Nitrosodiphenylamine	ND		4.8	0.48	ug/L		05/16/13 14:25	05/22/13 21:22	1
Naphthalene	ND		4.8	0.72	ug/L		05/16/13 14:25	05/22/13 21:22	1
Nitrobenzene	ND		4.8	0.28	ug/L		05/16/13 14:25	05/22/13 21:22	1
Pentachlorophenol	ND		9.5	2.1	ug/L		05/16/13 14:25	05/22/13 21:22	1
Phenanthrene	ND		4.8	0.42	ug/L		05/16/13 14:25	05/22/13 21:22	1
Phenol	ND		4.8	0.37	ug/L		05/16/13 14:25	05/22/13 21:22	1
Pyrene	**0.38**	**J**	4.8	0.32	ug/L		05/16/13 14:25	05/22/13 21:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*74*		*39 - 146*	*05/16/13 14:25*	*05/22/13 21:22*	*1*
2-Fluorobiphenyl	*74*		*37 - 120*	*05/16/13 14:25*	*05/22/13 21:22*	*1*
2-Fluorophenol	*36*		*18 - 120*	*05/16/13 14:25*	*05/22/13 21:22*	*1*
Nitrobenzene-d5	*67*		*34 - 132*	*05/16/13 14:25*	*05/22/13 21:22*	*1*
p-Terphenyl-d14	*88*		*58 - 147*	*05/16/13 14:25*	*05/22/13 21:22*	*1*
Phenol-d5	*29*		*11 - 120*	*05/16/13 14:25*	*05/22/13 21:22*	*1*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.46	0.16	ug/L		05/17/13 09:44	05/18/13 14:10	1
PCB-1221	ND		0.46	0.16	ug/L		05/17/13 09:44	05/18/13 14:10	1
PCB-1232	ND		0.46	0.16	ug/L		05/17/13 09:44	05/18/13 14:10	1
PCB-1242	ND		0.46	0.16	ug/L		05/17/13 09:44	05/18/13 14:10	1
PCB-1248	ND		0.46	0.16	ug/L		05/17/13 09:44	05/18/13 14:10	1
PCB-1254	ND		0.46	0.23	ug/L		05/17/13 09:44	05/18/13 14:10	1
PCB-1260	ND		0.46	0.23	ug/L		05/17/13 09:44	05/18/13 14:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*50*		*19 - 126*	*05/17/13 09:44*	*05/18/13 14:10*	*1*
Tetrachloro-m-xylene	*94*		*23 - 127*	*05/17/13 09:44*	*05/18/13 14:10*	*1*

Client: Groundwater & Environmental Services Inc
Project/Site: Cherry Farms Annual GW Sample

TestAmerica Job ID: 480-38363-1

Client Sample ID: MW-7
Date Collected: 05/15/13 14:15
Date Received: 05/15/13 17:00

Lab Sample ID: 480-38363-7
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/17/13 18:36	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/17/13 18:36	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/17/13 18:36	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/17/13 18:36	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/17/13 18:36	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/17/13 18:36	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/17/13 18:36	1
2-Hexanone	ND		5.0	1.2	ug/L			05/17/13 18:36	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/17/13 18:36	1
1,2-Dichloroethene, Total	ND		2.0	0.70	ug/L			05/17/13 18:36	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/17/13 18:36	1
Acetone	ND		10	3.0	ug/L			05/17/13 18:36	1
Benzene	ND		1.0	0.41	ug/L			05/17/13 18:36	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/17/13 18:36	1
Bromoform	ND		1.0	0.26	ug/L			05/17/13 18:36	1
Bromomethane	ND		1.0	0.69	ug/L			05/17/13 18:36	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/17/13 18:36	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/17/13 18:36	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/17/13 18:36	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/17/13 18:36	1
Chloroethane	ND		1.0	0.32	ug/L			05/17/13 18:36	1
Chloroform	ND		1.0	0.34	ug/L			05/17/13 18:36	1
Chloromethane	ND		1.0	0.35	ug/L			05/17/13 18:36	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/17/13 18:36	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/17/13 18:36	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/17/13 18:36	1
Styrene	ND		1.0	0.73	ug/L			05/17/13 18:36	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/17/13 18:36	1
Toluene	ND		1.0	0.51	ug/L			05/17/13 18:36	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/17/13 18:36	1
Trichloroethene	ND		1.0	0.46	ug/L			05/17/13 18:36	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/17/13 18:36	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/17/13 18:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*66 - 137*		*05/17/13 18:36*	*1*
Toluene-d8 (Surr)	*102*		*71 - 126*		*05/17/13 18:36*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*05/17/13 18:36*	*1*

Method: 8270C_ASP - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
bis (2-chloroisopropyl) ether	ND		4.6	0.48	ug/L		05/16/13 14:25	05/22/13 20:54	1
1,2,4-Trichlorobenzene	ND		9.3	0.41	ug/L		05/16/13 14:25	05/22/13 20:54	1
2,4,5-Trichlorophenol	ND		4.6	0.44	ug/L		05/16/13 14:25	05/22/13 20:54	1
1,2-Dichlorobenzene	ND		9.3	0.37	ug/L		05/16/13 14:25	05/22/13 20:54	1
2,4,6-Trichlorophenol	ND		4.6	0.57	ug/L		05/16/13 14:25	05/22/13 20:54	1
2,4-Dichlorophenol	ND		4.6	0.47	ug/L		05/16/13 14:25	05/22/13 20:54	1
2,4-Dimethylphenol	ND	*	4.6	0.46	ug/L		05/16/13 14:25	05/22/13 20:54	1
1,3-Dichlorobenzene	ND		9.3	0.44	ug/L		05/16/13 14:25	05/22/13 20:54	1
2,4-Dinitrophenol	ND		9.3	2.1	ug/L		05/16/13 14:25	05/22/13 20:54	1

Client: Groundwater & Environmental Services Inc
Project/Site: Cherry Farms Annual GW Sample

TestAmerica Job ID: 480-38363-1

Client Sample ID: MW-7
Date Collected: 05/15/13 14:15
Date Received: 05/15/13 17:00

Lab Sample ID: 480-38363-7
Matrix: Water

Method: 8270C_ASP - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	ND		4.6	0.41	ug/L		05/16/13 14:25	05/22/13 20:54	1
1,4-Dichlorobenzene	ND		9.3	0.43	ug/L		05/16/13 14:25	05/22/13 20:54	1
2,6-Dinitrotoluene	ND		4.6	0.37	ug/L		05/16/13 14:25	05/22/13 20:54	1
2-Chloronaphthalene	ND		4.6	0.43	ug/L		05/16/13 14:25	05/22/13 20:54	1
2-Chlorophenol	ND		4.6	0.49	ug/L		05/16/13 14:25	05/22/13 20:54	1
2-Methylnaphthalene	ND		4.6	0.56	ug/L		05/16/13 14:25	05/22/13 20:54	1
2-Methylphenol	ND		4.6	0.37	ug/L		05/16/13 14:25	05/22/13 20:54	1
2-Nitroaniline	ND		9.3	0.39	ug/L		05/16/13 14:25	05/22/13 20:54	1
2-Nitrophenol	ND		4.6	0.44	ug/L		05/16/13 14:25	05/22/13 20:54	1
3,3'-Dichlorobenzidine	ND		4.6	0.37	ug/L		05/16/13 14:25	05/22/13 20:54	1
3-Nitroaniline	ND	*	9.3	0.44	ug/L		05/16/13 14:25	05/22/13 20:54	1
4,6-Dinitro-2-methylphenol	ND		9.3	2.0	ug/L		05/16/13 14:25	05/22/13 20:54	1
4-Bromophenyl phenyl ether	ND		4.6	0.42	ug/L		05/16/13 14:25	05/22/13 20:54	1
4-Chloro-3-methylphenol	ND		4.6	0.42	ug/L		05/16/13 14:25	05/22/13 20:54	1
4-Chloroaniline	ND	*	4.6	0.55	ug/L		05/16/13 14:25	05/22/13 20:54	1
4-Chlorophenyl phenyl ether	ND		4.6	0.32	ug/L		05/16/13 14:25	05/22/13 20:54	1
4-Methylphenol	ND		9.3	0.33	ug/L		05/16/13 14:25	05/22/13 20:54	1
4-Nitroaniline	ND		9.3	0.23	ug/L		05/16/13 14:25	05/22/13 20:54	1
4-Nitrophenol	ND		9.3	1.4	ug/L		05/16/13 14:25	05/22/13 20:54	1
Acenaphthene	ND		4.6	0.38	ug/L		05/16/13 14:25	05/22/13 20:54	1
Acenaphthylene	ND		4.6	0.35	ug/L		05/16/13 14:25	05/22/13 20:54	1
Anthracene	ND		4.6	0.26	ug/L		05/16/13 14:25	05/22/13 20:54	1
Benzo[a]anthracene	**1.0**	**J B**	4.6	0.33	ug/L		05/16/13 14:25	05/22/13 20:54	1
Benzo[a]pyrene	**0.61**	**J**	4.6	0.44	ug/L		05/16/13 14:25	05/22/13 20:54	1
Benzo[b]fluoranthene	**1.0**	**J B**	4.6	0.32	ug/L		05/16/13 14:25	05/22/13 20:54	1
Benzo[g,h,i]perylene	**0.73**	**J**	4.6	0.32	ug/L		05/16/13 14:25	05/22/13 20:54	1
Benzo[k]fluoranthene	**1.1**	**J**	4.6	0.68	ug/L		05/16/13 14:25	05/22/13 20:54	1
Bis(2-chloroethoxy)methane	ND		4.6	0.32	ug/L		05/16/13 14:25	05/22/13 20:54	1
Bis(2-chloroethyl)ether	ND		4.6	0.37	ug/L		05/16/13 14:25	05/22/13 20:54	1
Bis(2-ethylhexyl) phthalate	ND		4.6	1.7	ug/L		05/16/13 14:25	05/22/13 20:54	1
Butyl benzyl phthalate	**1.4**	**J B**	4.6	0.39	ug/L		05/16/13 14:25	05/22/13 20:54	1
Carbazole	ND		4.6	0.28	ug/L		05/16/13 14:25	05/22/13 20:54	1
Chrysene	**0.45**	**J**	4.6	0.31	ug/L		05/16/13 14:25	05/22/13 20:54	1
Di-n-butyl phthalate	**0.91**	**J B**	4.6	0.29	ug/L		05/16/13 14:25	05/22/13 20:54	1
Di-n-octyl phthalate	**1.3**	**J B**	4.6	0.44	ug/L		05/16/13 14:25	05/22/13 20:54	1
Dibenz(a,h)anthracene	ND		4.6	0.39	ug/L		05/16/13 14:25	05/22/13 20:54	1
Dibenzofuran	ND		9.3	0.47	ug/L		05/16/13 14:25	05/22/13 20:54	1
Diethyl phthalate	**0.44**	**J**	4.6	0.20	ug/L		05/16/13 14:25	05/22/13 20:54	1
Dimethyl phthalate	ND		4.6	0.33	ug/L		05/16/13 14:25	05/22/13 20:54	1
Fluoranthene	ND		4.6	0.37	ug/L		05/16/13 14:25	05/22/13 20:54	1
Fluorene	ND		4.6	0.33	ug/L		05/16/13 14:25	05/22/13 20:54	1
Hexachlorobenzene	ND		4.6	0.47	ug/L		05/16/13 14:25	05/22/13 20:54	1
Hexachlorobutadiene	ND		0.46	0.63	ug/L		05/16/13 14:25	05/22/13 20:54	1
Hexachlorocyclopentadiene	ND		4.6	0.55	ug/L		05/16/13 14:25	05/22/13 20:54	1
Hexachloroethane	ND		4.6	0.55	ug/L		05/16/13 14:25	05/22/13 20:54	1
Indeno[1,2,3-cd]pyrene	**0.55**	**J**	4.6	0.44	ug/L		05/16/13 14:25	05/22/13 20:54	1
Isophorone	ND		4.6	0.40	ug/L		05/16/13 14:25	05/22/13 20:54	1
N-Nitrosodi-n-propylamine	ND		4.6	0.50	ug/L		05/16/13 14:25	05/22/13 20:54	1
N-Nitrosodiphenylamine	ND		4.6	0.47	ug/L		05/16/13 14:25	05/22/13 20:54	1

Client: Groundwater & Environmental Services Inc
Project/Site: Cherry Farms Annual GW Sample

TestAmerica Job ID: 480-38363-1

Client Sample ID: MW-7
Date Collected: 05/15/13 14:15
Date Received: 05/15/13 17:00

Lab Sample ID: 480-38363-7
Matrix: Water

Method: 8270C_ASP - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		4.6	0.70	ug/L		05/16/13 14:25	05/22/13 20:54	1
Nitrobenzene	ND		4.6	0.27	ug/L		05/16/13 14:25	05/22/13 20:54	1
Pentachlorophenol	ND		9.3	2.0	ug/L		05/16/13 14:25	05/22/13 20:54	1
Phenanthrene	ND		4.6	0.41	ug/L		05/16/13 14:25	05/22/13 20:54	1
Phenol	ND		4.6	0.36	ug/L		05/16/13 14:25	05/22/13 20:54	1
Pyrene	**0.56**	**J**	4.6	0.32	ug/L		05/16/13 14:25	05/22/13 20:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*80*		*39 - 146*	*05/16/13 14:25*	*05/22/13 20:54*	*1*
2-Fluorobiphenyl	*76*		*37 - 120*	*05/16/13 14:25*	*05/22/13 20:54*	*1*
2-Fluorophenol	*43*		*18 - 120*	*05/16/13 14:25*	*05/22/13 20:54*	*1*
Nitrobenzene-d5	*70*		*34 - 132*	*05/16/13 14:25*	*05/22/13 20:54*	*1*
p-Terphenyl-d14	*88*		*58 - 147*	*05/16/13 14:25*	*05/22/13 20:54*	*1*
Phenol-d5	*34*		*11 - 120*	*05/16/13 14:25*	*05/22/13 20:54*	*1*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.46	0.16	ug/L		05/17/13 09:44	05/18/13 14:57	1
PCB-1221	ND		0.46	0.16	ug/L		05/17/13 09:44	05/18/13 14:57	1
PCB-1232	ND		0.46	0.16	ug/L		05/17/13 09:44	05/18/13 14:57	1
PCB-1242	ND		0.46	0.16	ug/L		05/17/13 09:44	05/18/13 14:57	1
PCB-1248	ND		0.46	0.16	ug/L		05/17/13 09:44	05/18/13 14:57	1
PCB-1254	ND		0.46	0.23	ug/L		05/17/13 09:44	05/18/13 14:57	1
PCB-1260	ND		0.46	0.23	ug/L		05/17/13 09:44	05/18/13 14:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*56*		*19 - 126*	*05/17/13 09:44*	*05/18/13 14:57*	*1*
Tetrachloro-m-xylene	*90*		*23 - 127*	*05/17/13 09:44*	*05/18/13 14:57*	*1*

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

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

		Percent Surrogate Recovery (Acceptance Limits)		
		12DCE	TOL	BFB
Lab Sample ID	Client Sample ID	(66-137)	(71-126)	(73-120)
480-38363-1	MW-1	109	100	99
480-38363-2	MW-2	106	100	98
480-38363-3	MW-3	107	101	96
480-38363-4	MW-4	106	101	97
480-38363-5	MW-5	109	101	97
480-38363-5 MS	MW-5	106	100	98
480-38363-5 MSD	MW-5	108	99	98
480-38363-6	MW-6	110	101	96
480-38363-7	MW-7	107	102	99
LCS 480-119219/3	Lab Control Sample	107	101	99
MB 480-119219/4	Method Blank	102	103	100

Surrogate Legend

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

Method: 8270C_ASP - Semivolatile Organic Compounds (GC/MS)

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

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	TPH	PHL
Lab Sample ID	Client Sample ID	(39-146)	(37-120)	(18-120)	(34-132)	(58-147)	(11-120)
480-38363-1	MW-1	79	77	42	71	90	34
480-38363-2	MW-2	82	81	48	75	83	37
480-38363-2 MS	MW-2	84	73	52	65	84	49
480-38363-2 MSD	MW-2	90	82	56	70	87	52
480-38363-3	MW-3	77	64	40	60	77	32
480-38363-4	MW-4	71	82	40	73	92	33
480-38363-5	MW-5	85	64	30	53	86	27
480-38363-6	MW-6	74	74	36	67	88	29
480-38363-7	MW-7	80	76	43	70	88	34
LCS 480-119043/2-A	Lab Control Sample	82	76	50	67	81	40
MB 480-119043/1-A	Method Blank	65	86	46	79	85	42

Surrogate Legend

TBP = 2,4,6-Tribromophenol
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol
NBZ = Nitrobenzene-d5
TPH = p-Terphenyl-d14
PHL = Phenol-d5

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

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

		Percent Surrogate Recovery (Acceptance Limits)	
		DCB2	TCX2
Lab Sample ID	Client Sample ID	(19-126)	(23-127)
480-38363-1	MW-1	66	91

Surrogate Summary

Client: Groundwater & Environmental Services Inc
Project/Site: Cherry Farms Annual GW Sample

TestAmerica Job ID: 480-38363-1

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

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

		Percent Surrogate Recovery (Acceptance Limits)									
Lab Sample ID	Client Sample ID	DCB2 (19-126)	TCX2 (23-127)								
480-38363-2	MW-2	64	88								
480-38363-3	MW-3	60	90								
480-38363-4	MW-4	63	88								
480-38363-5	MW-5	39	88								
480-38363-5 MS	MW-5	65	85								
480-38363-5 MSD	MW-5	68	87								
480-38363-6	MW-6	50	94								
480-38363-7	MW-7	56	90								
LCS 480-119235/2-A	Lab Control Sample	68	79								
MB 480-119235/1-A	Method Blank	84	97								

Surrogate Legend

DCB = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

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

Lab Sample ID: MB 480-119219/4
Matrix: Water
Analysis Batch: 119219

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/17/13 10:38	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/17/13 10:38	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/17/13 10:38	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/17/13 10:38	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/17/13 10:38	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/17/13 10:38	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/17/13 10:38	1
2-Hexanone	ND		5.0	1.2	ug/L			05/17/13 10:38	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/17/13 10:38	1
1,2-Dichloroethene, Total	ND		2.0	0.70	ug/L			05/17/13 10:38	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/17/13 10:38	1
Acetone	ND		10	3.0	ug/L			05/17/13 10:38	1
Benzene	ND		1.0	0.41	ug/L			05/17/13 10:38	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/17/13 10:38	1
Bromoform	ND		1.0	0.26	ug/L			05/17/13 10:38	1
Bromomethane	ND		1.0	0.69	ug/L			05/17/13 10:38	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/17/13 10:38	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/17/13 10:38	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/17/13 10:38	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/17/13 10:38	1
Chloroethane	ND		1.0	0.32	ug/L			05/17/13 10:38	1
Chloroform	ND		1.0	0.34	ug/L			05/17/13 10:38	1
Chloromethane	ND		1.0	0.35	ug/L			05/17/13 10:38	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/17/13 10:38	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/17/13 10:38	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/17/13 10:38	1
Styrene	ND		1.0	0.73	ug/L			05/17/13 10:38	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/17/13 10:38	1
Toluene	ND		1.0	0.51	ug/L			05/17/13 10:38	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/17/13 10:38	1
Trichloroethene	ND		1.0	0.46	ug/L			05/17/13 10:38	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/17/13 10:38	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/17/13 10:38	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*66 - 137*		*05/17/13 10:38*	*1*
Toluene-d8 (Surr)	*103*		*71 - 126*		*05/17/13 10:38*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*05/17/13 10:38*	*1*

Lab Sample ID: LCS 480-119219/3
Matrix: Water
Analysis Batch: 119219

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	25.0	27.6		ug/L		110	71 - 129
1,1-Dichloroethene	25.0	24.2		ug/L		97	58 - 121
1,2-Dichloroethane	25.0	28.0		ug/L		112	75 - 127
Benzene	25.0	27.8		ug/L		111	71 - 124

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

Lab Sample ID: LCS 480-119219/3
Matrix: Water
Analysis Batch: 119219

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chlorobenzene			25.0	27.4		ug/L		110	72 - 120		
Ethylbenzene			25.0	27.3		ug/L		109	77 - 123		
Tetrachloroethene			25.0	28.1		ug/L		112	74 - 122		
Toluene			25.0	26.9		ug/L		108	80 - 122		
Trichloroethene			25.0	27.5		ug/L		110	74 - 123		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*107*		*66 - 137*
Toluene-d8 (Surr)	*101*		*71 - 126*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*

Lab Sample ID: 480-38363-5 MS
Matrix: Water
Analysis Batch: 119219

Client Sample ID: MW-5
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,1-Dichloroethane	ND		250	278		ug/L		111	71 - 129		
1,1-Dichloroethene	ND		250	240		ug/L		96	58 - 121		
1,2-Dichloroethane	ND		250	285		ug/L		114	75 - 127		
Benzene	130		250	403		ug/L		108	71 - 124		
Chlorobenzene	ND		250	271		ug/L		108	72 - 120		
Ethylbenzene	ND		250	279		ug/L		112	77 - 123		
Tetrachloroethene	ND		250	278		ug/L		111	74 - 122		
Toluene	7.4	J	250	274		ug/L		107	80 - 122		
Trichloroethene	ND		250	270		ug/L		108	74 - 123		

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

Lab Sample ID: 480-38363-5 MSD
Matrix: Water
Analysis Batch: 119219

Client Sample ID: MW-5
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethane	ND		250	269		ug/L		108	71 - 129	3	20
1,1-Dichloroethene	ND		250	232		ug/L		93	58 - 121	4	16
1,2-Dichloroethane	ND		250	282		ug/L		113	75 - 127	1	20
Benzene	130		250	400		ug/L		107	71 - 124	1	13
Chlorobenzene	ND		250	265		ug/L		106	72 - 120	2	25
Ethylbenzene	ND		250	274		ug/L		109	77 - 123	2	15
Tetrachloroethene	ND		250	263		ug/L		105	74 - 122	6	20
Toluene	7.4	J	250	270		ug/L		105	80 - 122	1	15
Trichloroethene	ND		250	266		ug/L		106	74 - 123	2	16

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

Lab Sample ID: 480-38363-5 MSD
Matrix: Water
Analysis Batch: 119219

Client Sample ID: MW-5
Prep Type: Total/NA

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*108*		*66 - 137*
Toluene-d8 (Surr)	*99*		*71 - 126*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*

Method: 8270C_ASP - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-119043/1-A
Matrix: Water
Analysis Batch: 119993

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 119043

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		05/16/13 14:25	05/22/13 11:42	1
1,2,4-Trichlorobenzene	ND		10	0.44	ug/L		05/16/13 14:25	05/22/13 11:42	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		05/16/13 14:25	05/22/13 11:42	1
1,2-Dichlorobenzene	ND		10	0.40	ug/L		05/16/13 14:25	05/22/13 11:42	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		05/16/13 14:25	05/22/13 11:42	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		05/16/13 14:25	05/22/13 11:42	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		05/16/13 14:25	05/22/13 11:42	1
1,3-Dichlorobenzene	ND		10	0.48	ug/L		05/16/13 14:25	05/22/13 11:42	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		05/16/13 14:25	05/22/13 11:42	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		05/16/13 14:25	05/22/13 11:42	1
1,4-Dichlorobenzene	ND		10	0.46	ug/L		05/16/13 14:25	05/22/13 11:42	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		05/16/13 14:25	05/22/13 11:42	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		05/16/13 14:25	05/22/13 11:42	1
2-Chlorophenol	ND		5.0	0.53	ug/L		05/16/13 14:25	05/22/13 11:42	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		05/16/13 14:25	05/22/13 11:42	1
2-Methylphenol	ND		5.0	0.40	ug/L		05/16/13 14:25	05/22/13 11:42	1
2-Nitroaniline	ND		10	0.42	ug/L		05/16/13 14:25	05/22/13 11:42	1
2-Nitrophenol	ND		5.0	0.48	ug/L		05/16/13 14:25	05/22/13 11:42	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		05/16/13 14:25	05/22/13 11:42	1
3-Nitroaniline	ND		10	0.48	ug/L		05/16/13 14:25	05/22/13 11:42	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		05/16/13 14:25	05/22/13 11:42	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		05/16/13 14:25	05/22/13 11:42	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		05/16/13 14:25	05/22/13 11:42	1
4-Chloroaniline	ND		5.0	0.59	ug/L		05/16/13 14:25	05/22/13 11:42	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		05/16/13 14:25	05/22/13 11:42	1
4-Methylphenol	ND		10	0.36	ug/L		05/16/13 14:25	05/22/13 11:42	1
4-Nitroaniline	ND		10	0.25	ug/L		05/16/13 14:25	05/22/13 11:42	1
4-Nitrophenol	ND		10	1.5	ug/L		05/16/13 14:25	05/22/13 11:42	1
Acenaphthene	ND		5.0	0.41	ug/L		05/16/13 14:25	05/22/13 11:42	1
Acenaphthylene	ND		5.0	0.38	ug/L		05/16/13 14:25	05/22/13 11:42	1
Anthracene	ND		5.0	0.28	ug/L		05/16/13 14:25	05/22/13 11:42	1
Benzo[a]anthracene	0.409	J	5.0	0.36	ug/L		05/16/13 14:25	05/22/13 11:42	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		05/16/13 14:25	05/22/13 11:42	1
Benzo[b]fluoranthene	0.374	J	5.0	0.34	ug/L		05/16/13 14:25	05/22/13 11:42	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		05/16/13 14:25	05/22/13 11:42	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		05/16/13 14:25	05/22/13 11:42	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		05/16/13 14:25	05/22/13 11:42	1

Method: 8270C_ASP - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-119043/1-A
Matrix: Water
Analysis Batch: 119993

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 119043

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		05/16/13 14:25	05/22/13 11:42	1
Bis(2-ethylhexyl) phthalate	ND		5.0	1.8	ug/L		05/16/13 14:25	05/22/13 11:42	1
Butyl benzyl phthalate	0.560	J	5.0	0.42	ug/L		05/16/13 14:25	05/22/13 11:42	1
Carbazole	ND		5.0	0.30	ug/L		05/16/13 14:25	05/22/13 11:42	1
Chrysene	ND		5.0	0.33	ug/L		05/16/13 14:25	05/22/13 11:42	1
Di-n-butyl phthalate	0.480	J	5.0	0.31	ug/L		05/16/13 14:25	05/22/13 11:42	1
Di-n-octyl phthalate	0.493	J	5.0	0.47	ug/L		05/16/13 14:25	05/22/13 11:42	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		05/16/13 14:25	05/22/13 11:42	1
Dibenzofuran	ND		10	0.51	ug/L		05/16/13 14:25	05/22/13 11:42	1
Diethyl phthalate	ND		5.0	0.22	ug/L		05/16/13 14:25	05/22/13 11:42	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		05/16/13 14:25	05/22/13 11:42	1
Fluoranthene	ND		5.0	0.40	ug/L		05/16/13 14:25	05/22/13 11:42	1
Fluorene	ND		5.0	0.36	ug/L		05/16/13 14:25	05/22/13 11:42	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		05/16/13 14:25	05/22/13 11:42	1
Hexachlorobutadiene	ND		0.50	0.68	ug/L		05/16/13 14:25	05/22/13 11:42	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		05/16/13 14:25	05/22/13 11:42	1
Hexachloroethane	ND		5.0	0.59	ug/L		05/16/13 14:25	05/22/13 11:42	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		05/16/13 14:25	05/22/13 11:42	1
Isophorone	ND		5.0	0.43	ug/L		05/16/13 14:25	05/22/13 11:42	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		05/16/13 14:25	05/22/13 11:42	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		05/16/13 14:25	05/22/13 11:42	1
Naphthalene	3.93	J	5.0	0.76	ug/L		05/16/13 14:25	05/22/13 11:42	1
Nitrobenzene	ND		5.0	0.29	ug/L		05/16/13 14:25	05/22/13 11:42	1
Pentachlorophenol	ND		10	2.2	ug/L		05/16/13 14:25	05/22/13 11:42	1
Phenanthrene	ND		5.0	0.44	ug/L		05/16/13 14:25	05/22/13 11:42	1
Phenol	ND		5.0	0.39	ug/L		05/16/13 14:25	05/22/13 11:42	1
Pyrene	ND		5.0	0.34	ug/L		05/16/13 14:25	05/22/13 11:42	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*65*		*39 - 146*	*05/16/13 14:25*	*05/22/13 11:42*	*1*
2-Fluorobiphenyl	*86*		*37 - 120*	*05/16/13 14:25*	*05/22/13 11:42*	*1*
2-Fluorophenol	*46*		*18 - 120*	*05/16/13 14:25*	*05/22/13 11:42*	*1*
Nitrobenzene-d5	*79*		*34 - 132*	*05/16/13 14:25*	*05/22/13 11:42*	*1*
p-Terphenyl-d14	*85*		*58 - 147*	*05/16/13 14:25*	*05/22/13 11:42*	*1*
Phenol-d5	*42*		*11 - 120*	*05/16/13 14:25*	*05/22/13 11:42*	*1*

Lab Sample ID: LCS 480-119043/2-A
Matrix: Water
Analysis Batch: 119993

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 119043

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	20.0	13.3		ug/L		66	40 - 120
2,4-Dinitrophenol	40.0	36.3		ug/L		91	42 - 153
1,4-Dichlorobenzene	20.0	12.5		ug/L		63	32 - 120
2-Chlorophenol	20.0	15.7		ug/L		78	48 - 120
4-Chloro-3-methylphenol	20.0	17.6		ug/L		88	64 - 120
4-Nitrophenol	40.0	24.7		ug/L		62	16 - 120
Acenaphthene	20.0	16.0		ug/L		80	60 - 120

Method: 8270C_ASP - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-119043/2-A
Matrix: Water
Analysis Batch: 119993

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 119043

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bis(2-ethylhexyl) phthalate	20.0	18.8		ug/L		94	53 - 158
Fluorene	20.0	17.1		ug/L		85	55 - 143
Hexachloroethane	20.0	12.8		ug/L		64	14 - 101
N-Nitrosodi-n-propylamine	20.0	14.4		ug/L		72	56 - 120
Pentachlorophenol	40.0	35.5		ug/L		89	39 - 136
Phenol	20.0	8.61		ug/L		43	17 - 120
Pyrene	20.0	16.2		ug/L		81	58 - 136

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol	*82*		*39 - 146*
2-Fluorobiphenyl	*76*		*37 - 120*
2-Fluorophenol	*50*		*18 - 120*
Nitrobenzene-d5	*67*		*34 - 132*
p-Terphenyl-d14	*81*		*58 - 147*
Phenol-d5	*40*		*11 - 120*

Lab Sample ID: 480-38363-2 MS
Matrix: Water
Analysis Batch: 119993

Client Sample ID: MW-2
Prep Type: Total/NA
Prep Batch: 119043

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	ND		37.3	25.3		ug/L		68	40 - 120
2,4-Dinitrophenol	ND		74.6	63.4		ug/L		85	42 - 153
1,4-Dichlorobenzene	ND		37.3	23.9		ug/L		64	32 - 120
2-Chlorophenol	ND		37.3	26.7		ug/L		72	48 - 120
4-Chloro-3-methylphenol	0.82	J	37.3	31.2		ug/L		81	64 - 120
4-Nitrophenol	ND		74.6	55.7		ug/L		75	16 - 120
Acenaphthene	ND		37.3	28.4		ug/L		76	60 - 120
Bis(2-ethylhexyl) phthalate	3.5	J	37.3	34.7		ug/L		83	53 - 158
Fluorene	ND		37.3	30.9		ug/L		83	55 - 143
Hexachloroethane	ND		37.3	24.8		ug/L		66	14 - 101
N-Nitrosodi-n-propylamine	ND		37.3	25.2		ug/L		67	56 - 120
Pentachlorophenol	ND		74.6	61.3		ug/L		82	39 - 136
Phenol	ND		37.3	18.8		ug/L		50	17 - 120
Pyrene	1.7	J	37.3	30.0		ug/L		76	58 - 136

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol	*84*		*39 - 146*
2-Fluorobiphenyl	*73*		*37 - 120*
2-Fluorophenol	*52*		*18 - 120*
Nitrobenzene-d5	*65*		*34 - 132*
p-Terphenyl-d14	*84*		*58 - 147*
Phenol-d5	*49*		*11 - 120*

Method: 8270C_ASP - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-38363-2 MSD
Matrix: Water
Analysis Batch: 119993

Client Sample ID: MW-2
Prep Type: Total/NA
Prep Batch: 119043

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,4-Trichlorobenzene	ND		37.3	27.9		ug/L		75	40 - 120	10	30
2,4-Dinitrophenol	ND		74.6	68.8		ug/L		92	42 - 153	8	22
1,4-Dichlorobenzene	ND		37.3	26.1		ug/L		70	32 - 120	9	36
2-Chlorophenol	ND		37.3	30.0		ug/L		80	48 - 120	12	25
4-Chloro-3-methylphenol	0.82	J	37.3	32.1		ug/L		84	64 - 120	3	27
4-Nitrophenol	ND		74.6	58.2		ug/L		78	16 - 120	4	48
Acenaphthene	ND		37.3	32.1		ug/L		86	60 - 120	12	24
Bis(2-ethylhexyl) phthalate	3.5	J	37.3	36.8		ug/L		89	53 - 158	6	15
Fluorene	ND		37.3	33.7		ug/L		90	55 - 143	9	15
Hexachloroethane	ND		37.3	27.0		ug/L		72	14 - 101	8	46
N-Nitrosodi-n-propylamine	ND		37.3	26.8		ug/L		72	56 - 120	6	31
Pentachlorophenol	ND		74.6	69.6		ug/L		93	39 - 136	13	37
Phenol	ND		37.3	20.0		ug/L		54	17 - 120	6	34
Pyrene	1.7	J	37.3	31.7		ug/L		80	58 - 136	6	19

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol	*90*		*39 - 146*
2-Fluorobiphenyl	*82*		*37 - 120*
2-Fluorophenol	*56*		*18 - 120*
Nitrobenzene-d5	*70*		*34 - 132*
p-Terphenyl-d14	*87*		*58 - 147*
Phenol-d5	*52*		*11 - 120*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 480-119235/1-A
Matrix: Water
Analysis Batch: 119426

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 119235

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		05/17/13 09:44	05/18/13 11:47	1
PCB-1221	ND		0.50	0.18	ug/L		05/17/13 09:44	05/18/13 11:47	1
PCB-1232	ND		0.50	0.18	ug/L		05/17/13 09:44	05/18/13 11:47	1
PCB-1242	ND		0.50	0.18	ug/L		05/17/13 09:44	05/18/13 11:47	1
PCB-1248	ND		0.50	0.18	ug/L		05/17/13 09:44	05/18/13 11:47	1
PCB-1254	ND		0.50	0.25	ug/L		05/17/13 09:44	05/18/13 11:47	1
PCB-1260	ND		0.50	0.25	ug/L		05/17/13 09:44	05/18/13 11:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*84*		*19 - 126*	*05/17/13 09:44*	*05/18/13 11:47*	*1*
Tetrachloro-m-xylene	*97*		*23 - 127*	*05/17/13 09:44*	*05/18/13 11:47*	*1*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCS 480-119235/2-A
Matrix: Water
Analysis Batch: 119426

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 119235

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016			4.00	4.91		ug/L		123	51 - 137		
PCB-1260			4.00	3.36		ug/L		84	45 - 139		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*68*		*19 - 126*
Tetrachloro-m-xylene	*79*		*23 - 127*

Lab Sample ID: 480-38363-5 MS
Matrix: Water
Analysis Batch: 119426

Client Sample ID: MW-5
Prep Type: Total/NA
Prep Batch: 119235

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016	ND		7.69	8.82		ug/L		115	52 - 134		
PCB-1260	ND		7.69	6.80		ug/L		88	19 - 136		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*65*		*19 - 126*
Tetrachloro-m-xylene	*85*		*23 - 127*

Lab Sample ID: 480-38363-5 MSD
Matrix: Water
Analysis Batch: 119426

Client Sample ID: MW-5
Prep Type: Total/NA
Prep Batch: 119235

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	ND		7.69	9.18		ug/L		119	52 - 134	NC	50
PCB-1260	ND		7.69	7.05		ug/L		92	19 - 136	NC	50

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*68*		*19 - 126*
Tetrachloro-m-xylene	*87*		*23 - 127*

GC/MS VOA

Analysis Batch: 119219

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-38363-1	MW-1	Total/NA	Water	8260B_ASP	
480-38363-2	MW-2	Total/NA	Water	8260B_ASP	
480-38363-3	MW-3	Total/NA	Water	8260B_ASP	
480-38363-4	MW-4	Total/NA	Water	8260B_ASP	
480-38363-5	MW-5	Total/NA	Water	8260B_ASP	
480-38363-5 MS	MW-5	Total/NA	Water	8260B_ASP	
480-38363-5 MSD	MW-5	Total/NA	Water	8260B_ASP	
480-38363-6	MW-6	Total/NA	Water	8260B_ASP	
480-38363-7	MW-7	Total/NA	Water	8260B_ASP	
LCS 480-119219/3	Lab Control Sample	Total/NA	Water	8260B_ASP	
MB 480-119219/4	Method Blank	Total/NA	Water	8260B_ASP	

GC/MS Semi VOA

Prep Batch: 119043

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-38363-1	MW-1	Total/NA	Water	3510C	
480-38363-2	MW-2	Total/NA	Water	3510C	
480-38363-2 MS	MW-2	Total/NA	Water	3510C	
480-38363-2 MSD	MW-2	Total/NA	Water	3510C	
480-38363-3	MW-3	Total/NA	Water	3510C	
480-38363-4	MW-4	Total/NA	Water	3510C	
480-38363-5	MW-5	Total/NA	Water	3510C	
480-38363-6	MW-6	Total/NA	Water	3510C	
480-38363-7	MW-7	Total/NA	Water	3510C	
LCS 480-119043/2-A	Lab Control Sample	Total/NA	Water	3510C	
MB 480-119043/1-A	Method Blank	Total/NA	Water	3510C	

Analysis Batch: 119993

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-38363-1	MW-1	Total/NA	Water	8270C_ASP	119043
480-38363-2	MW-2	Total/NA	Water	8270C_ASP	119043
480-38363-2 MS	MW-2	Total/NA	Water	8270C_ASP	119043
480-38363-2 MSD	MW-2	Total/NA	Water	8270C_ASP	119043
480-38363-3	MW-3	Total/NA	Water	8270C_ASP	119043
480-38363-5	MW-5	Total/NA	Water	8270C_ASP	119043
480-38363-6	MW-6	Total/NA	Water	8270C_ASP	119043
480-38363-7	MW-7	Total/NA	Water	8270C_ASP	119043
LCS 480-119043/2-A	Lab Control Sample	Total/NA	Water	8270C_ASP	119043
MB 480-119043/1-A	Method Blank	Total/NA	Water	8270C_ASP	119043

Analysis Batch: 120199

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-38363-4	MW-4	Total/NA	Water	8270C_ASP	119043

GC Semi VOA

Prep Batch: 119235

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-38363-1	MW-1	Total/NA	Water	3510C	

GC Semi VOA (Continued)

Prep Batch: 119235 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-38363-2	MW-2	Total/NA	Water	3510C	
480-38363-3	MW-3	Total/NA	Water	3510C	
480-38363-4	MW-4	Total/NA	Water	3510C	
480-38363-5	MW-5	Total/NA	Water	3510C	
480-38363-5 MS	MW-5	Total/NA	Water	3510C	
480-38363-5 MSD	MW-5	Total/NA	Water	3510C	
480-38363-6	MW-6	Total/NA	Water	3510C	
480-38363-7	MW-7	Total/NA	Water	3510C	
LCS 480-119235/2-A	Lab Control Sample	Total/NA	Water	3510C	
MB 480-119235/1-A	Method Blank	Total/NA	Water	3510C	

Analysis Batch: 119426

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-38363-1	MW-1	Total/NA	Water	8082	119235
480-38363-2	MW-2	Total/NA	Water	8082	119235
480-38363-3	MW-3	Total/NA	Water	8082	119235
480-38363-4	MW-4	Total/NA	Water	8082	119235
480-38363-5	MW-5	Total/NA	Water	8082	119235
480-38363-5 MS	MW-5	Total/NA	Water	8082	119235
480-38363-5 MSD	MW-5	Total/NA	Water	8082	119235
480-38363-6	MW-6	Total/NA	Water	8082	119235
480-38363-7	MW-7	Total/NA	Water	8082	119235
LCS 480-119235/2-A	Lab Control Sample	Total/NA	Water	8082	119235
MB 480-119235/1-A	Method Blank	Total/NA	Water	8082	119235

Lab Chronicle

Client: Groundwater & Environmental Services Inc
Project/Site: Cherry Farms Annual GW Sample

TestAmerica Job ID: 480-38363-1

Client Sample ID: MW-1

Lab Sample ID: 480-38363-1

Date Collected: 05/15/13 14:45
Matrix: Water
Date Received: 05/15/13 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B_ASP		1	119219	05/17/13 15:50	CDC	TAL BUF
Total/NA	Prep	3510C			119043	05/16/13 14:25	TG	TAL BUF
Total/NA	Analysis	8270C_ASP		1	119993	05/22/13 19:59	AR	TAL BUF
Total/NA	Prep	3510C			119235	05/17/13 09:44	DE	TAL BUF
Total/NA	Analysis	8082		1	119426	05/18/13 12:50	DB	TAL BUF

Client Sample ID: MW-2

Lab Sample ID: 480-38363-2

Date Collected: 05/15/13 14:30
Matrix: Water
Date Received: 05/15/13 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B_ASP		1	119219	05/17/13 16:18	CDC	TAL BUF
Total/NA	Prep	3510C			119043	05/16/13 14:25	TG	TAL BUF
Total/NA	Analysis	8270C_ASP		1	119993	05/22/13 17:35	AR	TAL BUF
Total/NA	Prep	3510C			119235	05/17/13 09:44	DE	TAL BUF
Total/NA	Analysis	8082		1	119426	05/18/13 13:06	DB	TAL BUF

Client Sample ID: MW-3

Lab Sample ID: 480-38363-3

Date Collected: 05/15/13 15:00
Matrix: Water
Date Received: 05/15/13 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B_ASP		1	119219	05/17/13 16:45	CDC	TAL BUF
Total/NA	Prep	3510C			119043	05/16/13 14:25	TG	TAL BUF
Total/NA	Analysis	8270C_ASP		1	119993	05/22/13 20:27	AR	TAL BUF
Total/NA	Prep	3510C			119235	05/17/13 09:44	DE	TAL BUF
Total/NA	Analysis	8082		1	119426	05/18/13 13:22	DB	TAL BUF

Client Sample ID: MW-4

Lab Sample ID: 480-38363-4

Date Collected: 05/15/13 15:13
Matrix: Water
Date Received: 05/15/13 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B_ASP		1	119219	05/17/13 17:13	CDC	TAL BUF
Total/NA	Prep	3510C			119043	05/16/13 14:25	TG	TAL BUF
Total/NA	Analysis	8270C_ASP		1	120199	05/23/13 13:00	AR	TAL BUF
Total/NA	Prep	3510C			119235	05/17/13 09:44	DE	TAL BUF
Total/NA	Analysis	8082		1	119426	05/18/13 13:38	DB	TAL BUF

Lab Chronicle

Client: Groundwater & Environmental Services Inc
Project/Site: Cherry Farms Annual GW Sample

TestAmerica Job ID: 480-38363-1

Client Sample ID: MW-5

Lab Sample ID: 480-38363-5

Date Collected: 05/15/13 15:30
Matrix: Water
Date Received: 05/15/13 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B_ASP		10	119219	05/17/13 17:41	CDC	TAL BUF
Total/NA	Prep	3510C			119043	05/16/13 14:25	TG	TAL BUF
Total/NA	Analysis	8270C_ASP		1	119993	05/22/13 21:50	AR	TAL BUF
Total/NA	Prep	3510C			119235	05/17/13 09:44	DE	TAL BUF
Total/NA	Analysis	8082		1	119426	05/18/13 13:54	DB	TAL BUF

Client Sample ID: MW-6

Lab Sample ID: 480-38363-6

Date Collected: 05/15/13 15:45
Matrix: Water
Date Received: 05/15/13 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B_ASP		1	119219	05/17/13 18:08	CDC	TAL BUF
Total/NA	Prep	3510C			119043	05/16/13 14:25	TG	TAL BUF
Total/NA	Analysis	8270C_ASP		1	119993	05/22/13 21:22	AR	TAL BUF
Total/NA	Prep	3510C			119235	05/17/13 09:44	DE	TAL BUF
Total/NA	Analysis	8082		1	119426	05/18/13 14:10	DB	TAL BUF

Client Sample ID: MW-7

Lab Sample ID: 480-38363-7

Date Collected: 05/15/13 14:15
Matrix: Water
Date Received: 05/15/13 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B_ASP		1	119219	05/17/13 18:36	CDC	TAL BUF
Total/NA	Prep	3510C			119043	05/16/13 14:25	TG	TAL BUF
Total/NA	Analysis	8270C_ASP		1	119993	05/22/13 20:54	AR	TAL BUF
Total/NA	Prep	3510C			119235	05/17/13 09:44	DE	TAL BUF
Total/NA	Analysis	8082		1	119426	05/18/13 14:57	DB	TAL BUF

Laboratory References:

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

Certification Summary

Client: Groundwater & Environmental Services Inc
Project/Site: Cherry Farms Annual GW Sample

TestAmerica Job ID: 480-38363-1

Laboratory: TestAmerica Buffalo

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0686	07-06-13
California	NELAP	9	1169CA	09-30-13
Connecticut	State Program	1	PH-0568	09-30-14
Florida	NELAP	4	E87672	06-30-13
Georgia	State Program	4	N/A	03-31-14
Georgia	State Program	4	956	06-30-13
Georgia	State Program	4	956	03-31-14
Illinois	NELAP	5	200003	09-30-13
Iowa	State Program	7	374	03-15-15
Kansas	NELAP	7	E-10187	01-31-14
Kentucky	State Program	4	90029	12-31-13
Kentucky (UST)	State Program	4	30	04-01-14
Louisiana	NELAP	6	02031	06-30-13
Maine	State Program	1	NY00044	12-04-13
Maryland	State Program	3	294	03-31-14
Massachusetts	State Program	1	M-NY044	06-30-13
Michigan	State Program	5	9937	04-01-13 *
Minnesota	NELAP	5	036-999-337	12-31-13
New Hampshire	NELAP	1	2973	09-11-13
New Hampshire	NELAP	1	2337	11-17-13
New Jersey	NELAP	2	NY455	06-30-13
New York	NELAP	2	10026	04-01-14
North Dakota	State Program	8	R-176	03-31-14
Oklahoma	State Program	6	9421	08-31-13
Oregon	NELAP	10	NY200003	06-09-13
Pennsylvania	NELAP	3	68-00281	07-31-13
Rhode Island	State Program	1	LAO00328	12-31-13
Tennessee	State Program	4	TN02970	04-01-14
Texas	NELAP	6	T104704412-11-2	07-31-13
USDA	Federal		P330-11-00386	11-22-14
Virginia	NELAP	3	460185	09-14-13
Washington	State Program	10	C784	02-10-14
West Virginia DEP	State Program	3	252	09-30-13
Wisconsin	State Program	5	998310390	08-31-13

* Expired certification is currently pending renewal and is considered valid.

Method Summary

Client: Groundwater & Environmental Services Inc
Project/Site: Cherry Farms Annual GW Sample

TestAmerica Job ID: 480-38363-1

Method	Method Description	Protocol	Laboratory
8260B_ASP	Volatile Organic Compounds (GC/MS)	SW846	TAL BUF
8270C_ASP	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL BUF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

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

Sample Summary

Client: Groundwater & Environmental Services Inc
Project/Site: Cherry Farms Annual GW Sample

TestAmerica Job ID: 480-38363-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-38363-1	MW-1	Water	05/15/13 14:45	05/15/13 17:00
480-38363-2	MW-2	Water	05/15/13 14:30	05/15/13 17:00
480-38363-3	MW-3	Water	05/15/13 15:00	05/15/13 17:00
480-38363-4	MW-4	Water	05/15/13 15:13	05/15/13 17:00
480-38363-5	MW-5	Water	05/15/13 15:30	05/15/13 17:00
480-38363-6	MW-6	Water	05/15/13 15:45	05/15/13 17:00
480-38363-7	MW-7	Water	05/15/13 14:15	05/15/13 17:00

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

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: M. ROX	Lab PM: Hoffman, Sally	Carrier Tracking No(s):	COC No: 480-31757-8247.1
Client Contact: Jennifer Siniscalchi	Phone: 484 645 2302	E-Mail: sally.hoffman@testamericainc.com		Page: Page 1 of 2
Company: Groundwater & Environmental Services Inc				Job #:

Address: 495 Aero Drive Suite 3	Due Date Requested:
City: Cheektowaga	TAT Requested (days):
State, Zip: NY, 14225	
Phone: 800-287-7857(Tel)	PO #: 901469
Email: jsiniscalchi@gesonline.com	WO #:
Project Name: Cherry Farms Annual GW Sample	Project #: 48002788
Site:	SSOW#:

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2SO3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B - (MOD) TCL list OLM04.2	8082 - TCL PCBs - OLM04.2	8270C - (MOD) TCL SVOA - OLM04.2	8081A - TCL Pesticides - OLM04.2	6010B, 7470A	9012A - Total Cyanide									Total Number of containers	Special Instructions/Note:
			Preservation Code:				A	N	N	N	D	B										
MW-1	5/15/13	1445	G	Water	N	N	3	2	2													
MW-2		1480	G	Water	N	N	3	2	2													
MW-3		1500	G	Water	N	N	3	2	2													
MW-4		1513	G	Water	N	N	3	2	2													
MW-5		1530	G	Water	N	N	3	2	2													
MW-6		1545	G	Water	N	N	3	2	2													
MW-7		1415	G	Water	N	N	3	2	2													
~~RW-4~~				Water																		
~~RW-5~~				Water																		
~~G-1~~				Water																		
~~S-2~~				Water																		

480-38363 Chain of Custody

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

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

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

Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time: 5/15/13 1700	Company GES	Received by:	Date/Time: 5/15/13 1700	Company TA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 4.8 ICE #1

Login Sample Receipt Checklist

Client: Groundwater & Environmental Services Inc

Job Number: 480-38363-1

Login Number: 38363

List Source: TestAmerica Buffalo

List Number: 1

Creator: Kolb, Chris M

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	True	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 480-38452-1
Client Project/Site: Cherry Farms Annual GW Sample
Revision: 1

For:
Groundwater & Environmental Services Inc
495 Aero Drive
Suite 3
Cheektowaga, New York 14225

Attn: Steven Leitten

Sally J Hoffman

Authorized for release by:
6/13/2013 9:55:31 AM

Sally Hoffman, Project Manager II
sally.hoffman@testamericainc.com

Table of Contents

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F	MS or MSD exceeds the control limits

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
*	LCS or LCSD exceeds the control limits

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 480-38452-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-38452-1

Revision 1
This report has been revised to correct the reporting limits for Method 8270.

Receipt
The samples were received on 5/16/2013 5:00 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.1° C.

GC/MS VOA
Method(s) 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 119373 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other analytical or quality issues were noted.

GC/MS Semi VOA
Method(s) 8270C: The following compound was outside control limits in the continuing calibration verification (CCV) associated with batch 120764: 3,3'-Dichlorobenzidine. This compound is not classified as Calibration Check Compound (CCC) in the reference method. Due to the large number of analytes contained in the CCV, the laboratory's SOP allows for four analytes to be outside limits; therefore, the data have been reported.

Method(s) 8270C: The laboratory control sample (LCS) for batch 119154 recovered outside control limits for the following analyte: 3-Nitroaniline. 3-Nitroaniline has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

No other analytical or quality issues were noted.

GC Semi VOA
No analytical or quality issues were noted.

Metals
Method(s) 6010B: The Method Blank for batch 480-119213 contained total manganese above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples DUP (480-38452-5), S-1 (480-38452-3), S-2 (480-38452-4), S-3 (480-38452-1), S-4 (480-38452-2) was not performed.

No other analytical or quality issues were noted.

General Chemistry
No analytical or quality issues were noted.

Organic Prep
No analytical or quality issues were noted.

Detection Summary

Client: Groundwater & Environmental Services Inc
Project/Site: Cherry Farms Annual GW Sample

TestAmerica Job ID: 480-38452-1

Client Sample ID: S-3 — Lab Sample ID: 480-38452-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	1.8		1.0	0.38	ug/L	1		8260B_ASP	Total/NA
2,4,5-Trichlorophenol	0.52	J	5.2	0.50	ug/L	1		8270C_ASP	Total/NA
2,4-Dimethylphenol	18		5.2	0.52	ug/L	1		8270C_ASP	Total/NA
2-Methylphenol	7.2		5.2	0.42	ug/L	1		8270C_ASP	Total/NA
4-Methylphenol	16		10	0.38	ug/L	1		8270C_ASP	Total/NA
Di-n-butyl phthalate	0.49	J	5.2	0.33	ug/L	1		8270C_ASP	Total/NA
Naphthalene	1.9	J	5.2	0.80	ug/L	1		8270C_ASP	Total/NA
Phenanthrene	0.60	J	5.2	0.46	ug/L	1		8270C_ASP	Total/NA
4,4'-DDE	0.020	J	0.048	0.011	ug/L	1		8081A_ASP	Total/NA
gamma-BHC (Lindane)	0.014	J	0.048	0.0057	ug/L	1		8081A_ASP	Total/NA
gamma-Chlordane	0.012	J	0.048	0.010	ug/L	1		8081A_ASP	Total/NA
Heptachlor	0.0091	J	0.048	0.0081	ug/L	1		8081A_ASP	Total/NA
PCB-1242	0.24	J	0.43	0.19	ug/L	1		8082	Total/NA
Aluminum	0.32		0.20	0.060	mg/L	1		6010B_ASP	Total/NA
Arsenic	0.0057	J	0.010	0.0056	mg/L	1		6010B_ASP	Total/NA
Barium	0.033		0.0020	0.00070	mg/L	1		6010B_ASP	Total/NA
Calcium	57.6		0.50	0.10	mg/L	1		6010B_ASP	Total/NA
Chromium	0.0015	J	0.0040	0.0010	mg/L	1		6010B_ASP	Total/NA
Copper	0.0044	J	0.010	0.0016	mg/L	1		6010B_ASP	Total/NA
Iron	0.064		0.050	0.019	mg/L	1		6010B_ASP	Total/NA
Magnesium	0.24		0.20	0.043	mg/L	1		6010B_ASP	Total/NA
Manganese	0.00079	J B	0.0030	0.00040	mg/L	1		6010B_ASP	Total/NA
Nickel	0.0019	J	0.010	0.0013	mg/L	1		6010B_ASP	Total/NA
Potassium	42.9		0.50	0.10	mg/L	1		6010B_ASP	Total/NA
Sodium	54.0		1.0	0.32	mg/L	1		6010B_ASP	Total/NA
Vanadium	0.033		0.0050	0.0015	mg/L	1		6010B_ASP	Total/NA
Zinc	0.0022	J	0.010	0.0015	mg/L	1		6010B_ASP	Total/NA
Total Cyanide	0.054		0.010	0.0050	mg/L	1		9012A_ASP	Total/NA

Client Sample ID: S-4 — Lab Sample ID: 480-38452-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	1.5		1.0	0.38	ug/L	1		8260B_ASP	Total/NA
1,2-Dichloroethene, Total	1.5	J	2.0	0.70	ug/L	1		8260B_ASP	Total/NA
Benzene	0.76	J	1.0	0.41	ug/L	1		8260B_ASP	Total/NA
Ethylbenzene	1.2		1.0	0.74	ug/L	1		8260B_ASP	Total/NA
Tetrachloroethene	0.90	J	1.0	0.36	ug/L	1		8260B_ASP	Total/NA
Toluene	1.2		1.0	0.51	ug/L	1		8260B_ASP	Total/NA
Trichloroethene	0.87	J	1.0	0.46	ug/L	1		8260B_ASP	Total/NA
Xylenes, Total	7.0		2.0	0.66	ug/L	1		8260B_ASP	Total/NA
1,2,4-Trichlorobenzene	0.54	J	9.3	0.41	ug/L	1		8270C_ASP	Total/NA
2,4,5-Trichlorophenol	0.52	J	4.7	0.45	ug/L	1		8270C_ASP	Total/NA
1,2-Dichlorobenzene	0.85	J	9.3	0.37	ug/L	1		8270C_ASP	Total/NA
2,4-Dimethylphenol	28		4.7	0.47	ug/L	1		8270C_ASP	Total/NA
1,3-Dichlorobenzene	0.51	J	9.3	0.45	ug/L	1		8270C_ASP	Total/NA
1,4-Dichlorobenzene	1.9	J	9.3	0.43	ug/L	1		8270C_ASP	Total/NA
2-Methylnaphthalene	2.8	J	4.7	0.56	ug/L	1		8270C_ASP	Total/NA
2-Methylphenol	9.4		4.7	0.37	ug/L	1		8270C_ASP	Total/NA
4-Methylphenol	19		9.3	0.33	ug/L	1		8270C_ASP	Total/NA
Acenaphthene	0.94	J	4.7	0.38	ug/L	1		8270C_ASP	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: S-4 (Continued)

Lab Sample ID: 480-38452-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthylene	0.43	J	4.7	0.35	ug/L	1		8270C_ASP	Total/NA
Carbazole	0.86	J	4.7	0.28	ug/L	1		8270C_ASP	Total/NA
Di-n-butyl phthalate	0.51	J	4.7	0.29	ug/L	1		8270C_ASP	Total/NA
Dibenzofuran	0.53	J	9.3	0.47	ug/L	1		8270C_ASP	Total/NA
Dimethyl phthalate	1.9	J	4.7	0.33	ug/L	1		8270C_ASP	Total/NA
Fluorene	0.78	J	4.7	0.33	ug/L	1		8270C_ASP	Total/NA
Naphthalene	12		4.7	0.71	ug/L	1		8270C_ASP	Total/NA
Phenanthrene	0.74	J	4.7	0.41	ug/L	1		8270C_ASP	Total/NA
4,4'-DDE	0.023	J	0.053	0.012	ug/L	1		8081A_ASP	Total/NA
4,4'-DDT	0.022	J	0.053	0.012	ug/L	1		8081A_ASP	Total/NA
delta-BHC	0.076		0.053	0.011	ug/L	1		8081A_ASP	Total/NA
Dieldrin	0.011	J	0.053	0.010	ug/L	1		8081A_ASP	Total/NA
gamma-BHC (Lindane)	0.025	J	0.053	0.0063	ug/L	1		8081A_ASP	Total/NA
gamma-Chlordane	0.013	J	0.053	0.012	ug/L	1		8081A_ASP	Total/NA
Heptachlor	0.022	J	0.053	0.0090	ug/L	1		8081A_ASP	Total/NA
PCB-1242	2.2		0.42	0.18	ug/L	1		8082	Total/NA
Aluminum	0.46		0.20	0.060	mg/L	1		6010B_ASP	Total/NA
Arsenic	0.0061	J	0.010	0.0056	mg/L	1		6010B_ASP	Total/NA
Barium	0.030		0.0020	0.00070	mg/L	1		6010B_ASP	Total/NA
Calcium	111		0.50	0.10	mg/L	1		6010B_ASP	Total/NA
Iron	0.13		0.050	0.019	mg/L	1		6010B_ASP	Total/NA
Magnesium	0.90		0.20	0.043	mg/L	1		6010B_ASP	Total/NA
Manganese	0.049	B	0.0030	0.00040	mg/L	1		6010B_ASP	Total/NA
Nickel	0.0013	J	0.010	0.0013	mg/L	1		6010B_ASP	Total/NA
Potassium	59.1		0.50	0.10	mg/L	1		6010B_ASP	Total/NA
Sodium	57.0		1.0	0.32	mg/L	1		6010B_ASP	Total/NA
Vanadium	0.011		0.0050	0.0015	mg/L	1		6010B_ASP	Total/NA
Total Cyanide	0.026		0.010	0.0050	mg/L	1		9012A_ASP	Total/NA

Client Sample ID: S-1

Lab Sample ID: 480-38452-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2,4-Dimethylphenol	1.3	J	5.0	0.50	ug/L	1		8270C_ASP	Total/NA
4-Methylphenol	0.47	J	10	0.36	ug/L	1		8270C_ASP	Total/NA
Di-n-butyl phthalate	0.98	J	5.0	0.31	ug/L	1		8270C_ASP	Total/NA
Dimethyl phthalate	0.45	J	5.0	0.36	ug/L	1		8270C_ASP	Total/NA
4,4'-DDD	0.17	B	0.053	0.0097	ug/L	1		8081A_ASP	Total/NA
4,4'-DDE	0.023	J	0.053	0.012	ug/L	1		8081A_ASP	Total/NA
alpha-BHC	0.019	J	0.053	0.0069	ug/L	1		8081A_ASP	Total/NA
Dieldrin	0.010	J	0.053	0.010	ug/L	1		8081A_ASP	Total/NA
gamma-Chlordane	0.030	J	0.053	0.012	ug/L	1		8081A_ASP	Total/NA
Heptachlor	0.018	J	0.053	0.0089	ug/L	1		8081A_ASP	Total/NA
Heptachlor epoxide	0.011	J	0.053	0.0056	ug/L	1		8081A_ASP	Total/NA
Barium	0.076		0.0020	0.00070	mg/L	1		6010B_ASP	Total/NA
Calcium	52.7		0.50	0.10	mg/L	1		6010B_ASP	Total/NA
Chromium	0.0011	J	0.0040	0.0010	mg/L	1		6010B_ASP	Total/NA
Copper	0.0072	J	0.010	0.0016	mg/L	1		6010B_ASP	Total/NA
Iron	1.4		0.050	0.019	mg/L	1		6010B_ASP	Total/NA
Magnesium	12.6		0.20	0.043	mg/L	1		6010B_ASP	Total/NA
Manganese	0.51	B	0.0030	0.00040	mg/L	1		6010B_ASP	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: S-1 (Continued) — Lab Sample ID: 480-38452-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nickel	0.0023	J	0.010	0.0013	mg/L	1		6010B_ASP	Total/NA
Potassium	10.8		0.50	0.10	mg/L	1		6010B_ASP	Total/NA
Sodium	31.9		1.0	0.32	mg/L	1		6010B_ASP	Total/NA
Zinc	0.011		0.010	0.0015	mg/L	1		6010B_ASP	Total/NA

Client Sample ID: S-2 — Lab Sample ID: 480-38452-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	1.1		1.0	0.38	ug/L	1		8260B_ASP	Total/NA
2,4-Dimethylphenol	5.8		4.9	0.49	ug/L	1		8270C_ASP	Total/NA
2-Methylphenol	0.86	J	4.9	0.39	ug/L	1		8270C_ASP	Total/NA
Di-n-butyl phthalate	3.3	J	4.9	0.30	ug/L	1		8270C_ASP	Total/NA
Dimethyl phthalate	36		4.9	0.35	ug/L	1		8270C_ASP	Total/NA
Phenanthrene	0.49	J	4.9	0.43	ug/L	1		8270C_ASP	Total/NA
4,4'-DDD	0.12	B	0.050	0.0092	ug/L	1		8081A_ASP	Total/NA
4,4'-DDE	0.021	J	0.050	0.012	ug/L	1		8081A_ASP	Total/NA
4,4'-DDT	0.023	J	0.050	0.011	ug/L	1		8081A_ASP	Total/NA
delta-BHC	0.014	J	0.050	0.010	ug/L	1		8081A_ASP	Total/NA
Endosulfan I	0.11		0.050	0.011	ug/L	1		8081A_ASP	Total/NA
gamma-BHC (Lindane)	0.015	J	0.050	0.0060	ug/L	1		8081A_ASP	Total/NA
gamma-Chlordane	0.013	J	0.050	0.011	ug/L	1		8081A_ASP	Total/NA
Heptachlor	0.022	J	0.050	0.0085	ug/L	1		8081A_ASP	Total/NA
Heptachlor epoxide	0.0089	J	0.050	0.0053	ug/L	1		8081A_ASP	Total/NA
Aluminum	0.14	J	0.20	0.060	mg/L	1		6010B_ASP	Total/NA
Barium	0.038		0.0020	0.00070	mg/L	1		6010B_ASP	Total/NA
Calcium	84.6		0.50	0.10	mg/L	1		6010B_ASP	Total/NA
Chromium	0.0051		0.0040	0.0010	mg/L	1		6010B_ASP	Total/NA
Cobalt	0.00082	J	0.0040	0.00063	mg/L	1		6010B_ASP	Total/NA
Iron	7.6		0.050	0.019	mg/L	1		6010B_ASP	Total/NA
Magnesium	0.43		0.20	0.043	mg/L	1		6010B_ASP	Total/NA
Manganese	0.20	B	0.0030	0.00040	mg/L	1		6010B_ASP	Total/NA
Nickel	0.031		0.010	0.0013	mg/L	1		6010B_ASP	Total/NA
Potassium	38.1		0.50	0.10	mg/L	1		6010B_ASP	Total/NA
Sodium	45.4		1.0	0.32	mg/L	1		6010B_ASP	Total/NA
Vanadium	0.0042	J	0.0050	0.0015	mg/L	1		6010B_ASP	Total/NA
Zinc	0.019		0.010	0.0015	mg/L	1		6010B_ASP	Total/NA
Total Cyanide	0.021		0.010	0.0050	mg/L	1		9012A_ASP	Total/NA

Client Sample ID: DUP — Lab Sample ID: 480-38452-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	1.9		1.0	0.38	ug/L	1		8260B_ASP	Total/NA
Xylenes, Total	0.68	J	2.0	0.66	ug/L	1		8260B_ASP	Total/NA
2,4,5-Trichlorophenol	0.48	J	5.0	0.48	ug/L	1		8270C_ASP	Total/NA
2,4-Dimethylphenol	8.2		5.0	0.50	ug/L	1		8270C_ASP	Total/NA
2-Methylphenol	1.4	J	5.0	0.40	ug/L	1		8270C_ASP	Total/NA
4-Methylphenol	1.8	J	10	0.36	ug/L	1		8270C_ASP	Total/NA
Di-n-butyl phthalate	0.78	J	5.0	0.31	ug/L	1		8270C_ASP	Total/NA
Dimethyl phthalate	2.5	J	5.0	0.36	ug/L	1		8270C_ASP	Total/NA
Naphthalene	1.2	J	5.0	0.76	ug/L	1		8270C_ASP	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: DUP (Continued)

Lab Sample ID: 480-38452-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Phenanthrene	0.68	J	5.0	0.44	ug/L	1		8270C_ASP	Total/NA
4,4'-DDD	0.015	J B	0.052	0.0097	ug/L	1		8081A_ASP	Total/NA
4,4'-DDE	0.021	J	0.052	0.012	ug/L	1		8081A_ASP	Total/NA
4,4'-DDT	0.020	J	0.052	0.012	ug/L	1		8081A_ASP	Total/NA
gamma-BHC (Lindane)	0.014	J	0.052	0.0063	ug/L	1		8081A_ASP	Total/NA
gamma-Chlordane	0.013	J	0.052	0.012	ug/L	1		8081A_ASP	Total/NA
Heptachlor	0.012	J	0.052	0.0089	ug/L	1		8081A_ASP	Total/NA
Aluminum	0.29		0.20	0.060	mg/L	1		6010B_ASP	Total/NA
Barium	0.031		0.0020	0.00070	mg/L	1		6010B_ASP	Total/NA
Calcium	55.4		0.50	0.10	mg/L	1		6010B_ASP	Total/NA
Chromium	0.0020	J	0.0040	0.0010	mg/L	1		6010B_ASP	Total/NA
Iron	0.063		0.050	0.019	mg/L	1		6010B_ASP	Total/NA
Magnesium	0.23		0.20	0.043	mg/L	1		6010B_ASP	Total/NA
Manganese	0.00083	J B	0.0030	0.00040	mg/L	1		6010B_ASP	Total/NA
Potassium	41.4		0.50	0.10	mg/L	1		6010B_ASP	Total/NA
Sodium	51.7		1.0	0.32	mg/L	1		6010B_ASP	Total/NA
Vanadium	0.032		0.0050	0.0015	mg/L	1		6010B_ASP	Total/NA
Zinc	0.0016	J	0.010	0.0015	mg/L	1		6010B_ASP	Total/NA
Total Cyanide	0.054		0.010	0.0050	mg/L	1		9012A_ASP	Total/NA

Client Sample ID: RW-4

Lab Sample ID: 480-38452-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	13		1.0	0.41	ug/L	1		8260B_ASP	Total/NA
Ethylbenzene	5.7		1.0	0.74	ug/L	1		8260B_ASP	Total/NA
Xylenes, Total	4.4		2.0	0.66	ug/L	1		8260B_ASP	Total/NA
Acenaphthylene	0.49	J	4.7	0.36	ug/L	1		8270C_ASP	Total/NA
Di-n-butyl phthalate	0.29	J	4.7	0.29	ug/L	1		8270C_ASP	Total/NA
Phenol	0.57	J	4.7	0.37	ug/L	1		8270C_ASP	Total/NA

Client Sample ID: RW-5

Lab Sample ID: 480-38452-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Di-n-butyl phthalate	0.41	J	4.8	0.30	ug/L	1		8270C_ASP	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: S-3
Date Collected: 05/16/13 14:00
Date Received: 05/16/13 17:00

Lab Sample ID: 480-38452-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/18/13 03:20	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/18/13 03:20	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/18/13 03:20	1
1,1-Dichloroethane	**1.8**		1.0	0.38	ug/L			05/18/13 03:20	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/18/13 03:20	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/18/13 03:20	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/18/13 03:20	1
2-Hexanone	ND		5.0	1.2	ug/L			05/18/13 03:20	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/18/13 03:20	1
1,2-Dichloroethene, Total	ND		2.0	0.70	ug/L			05/18/13 03:20	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/18/13 03:20	1
Acetone	ND		10	3.0	ug/L			05/18/13 03:20	1
Benzene	ND		1.0	0.41	ug/L			05/18/13 03:20	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/18/13 03:20	1
Bromoform	ND		1.0	0.26	ug/L			05/18/13 03:20	1
Bromomethane	ND		1.0	0.69	ug/L			05/18/13 03:20	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/18/13 03:20	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/18/13 03:20	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/18/13 03:20	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/18/13 03:20	1
Chloroethane	ND		1.0	0.32	ug/L			05/18/13 03:20	1
Chloroform	ND		1.0	0.34	ug/L			05/18/13 03:20	1
Chloromethane	ND		1.0	0.35	ug/L			05/18/13 03:20	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/18/13 03:20	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/18/13 03:20	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/18/13 03:20	1
Styrene	ND		1.0	0.73	ug/L			05/18/13 03:20	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/18/13 03:20	1
Toluene	ND		1.0	0.51	ug/L			05/18/13 03:20	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/18/13 03:20	1
Trichloroethene	ND		1.0	0.46	ug/L			05/18/13 03:20	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/18/13 03:20	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/18/13 03:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*66 - 137*		*05/18/13 03:20*	*1*
Toluene-d8 (Surr)	*101*		*71 - 126*		*05/18/13 03:20*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*05/18/13 03:20*	*1*

Method: 8270C_ASP - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
bis (2-chloroisopropyl) ether	ND		5.2	0.55	ug/L		05/17/13 06:30	05/28/13 23:43	1
1,2,4-Trichlorobenzene	ND		10	0.46	ug/L		05/17/13 06:30	05/28/13 23:43	1
2,4,5-Trichlorophenol	**0.52**	**J**	5.2	0.50	ug/L		05/17/13 06:30	05/28/13 23:43	1
1,2-Dichlorobenzene	ND		10	0.42	ug/L		05/17/13 06:30	05/28/13 23:43	1
2,4,6-Trichlorophenol	ND		5.2	0.64	ug/L		05/17/13 06:30	05/28/13 23:43	1
2,4-Dichlorophenol	ND		5.2	0.54	ug/L		05/17/13 06:30	05/28/13 23:43	1
2,4-Dimethylphenol	**18**		5.2	0.52	ug/L		05/17/13 06:30	05/28/13 23:43	1
1,3-Dichlorobenzene	ND		10	0.50	ug/L		05/17/13 06:30	05/28/13 23:43	1
2,4-Dinitrophenol	ND		10	2.3	ug/L		05/17/13 06:30	05/28/13 23:43	1

Client: Groundwater & Environmental Services Inc
Project/Site: Cherry Farms Annual GW Sample

TestAmerica Job ID: 480-38452-1

Client Sample ID: S-3
Date Collected: 05/16/13 14:00
Date Received: 05/16/13 17:00

Lab Sample ID: 480-38452-1
Matrix: Water

Method: 8270C_ASP - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	ND		5.2	0.47	ug/L		05/17/13 06:30	05/28/13 23:43	1
1,4-Dichlorobenzene	ND		10	0.48	ug/L		05/17/13 06:30	05/28/13 23:43	1
2,6-Dinitrotoluene	ND		5.2	0.42	ug/L		05/17/13 06:30	05/28/13 23:43	1
2-Chloronaphthalene	ND		5.2	0.48	ug/L		05/17/13 06:30	05/28/13 23:43	1
2-Chlorophenol	ND		5.2	0.56	ug/L		05/17/13 06:30	05/28/13 23:43	1
2-Methylnaphthalene	ND		5.2	0.63	ug/L		05/17/13 06:30	05/28/13 23:43	1
2-Methylphenol	**7.2**		5.2	0.42	ug/L		05/17/13 06:30	05/28/13 23:43	1
2-Nitroaniline	ND		10	0.44	ug/L		05/17/13 06:30	05/28/13 23:43	1
2-Nitrophenol	ND		5.2	0.50	ug/L		05/17/13 06:30	05/28/13 23:43	1
3,3'-Dichlorobenzidine	ND		5.2	0.42	ug/L		05/17/13 06:30	05/28/13 23:43	1
3-Nitroaniline	ND	*	10	0.50	ug/L		05/17/13 06:30	05/28/13 23:43	1
4,6-Dinitro-2-methylphenol	ND		10	2.3	ug/L		05/17/13 06:30	05/28/13 23:43	1
4-Bromophenyl phenyl ether	ND		5.2	0.47	ug/L		05/17/13 06:30	05/28/13 23:43	1
4-Chloro-3-methylphenol	ND		5.2	0.47	ug/L		05/17/13 06:30	05/28/13 23:43	1
4-Chloroaniline	ND		5.2	0.62	ug/L		05/17/13 06:30	05/28/13 23:43	1
4-Chlorophenyl phenyl ether	ND		5.2	0.37	ug/L		05/17/13 06:30	05/28/13 23:43	1
4-Methylphenol	**16**		10	0.38	ug/L		05/17/13 06:30	05/28/13 23:43	1
4-Nitroaniline	ND		10	0.26	ug/L		05/17/13 06:30	05/28/13 23:43	1
4-Nitrophenol	ND		10	1.6	ug/L		05/17/13 06:30	05/28/13 23:43	1
Acenaphthene	ND		5.2	0.43	ug/L		05/17/13 06:30	05/28/13 23:43	1
Acenaphthylene	ND		5.2	0.40	ug/L		05/17/13 06:30	05/28/13 23:43	1
Anthracene	ND		5.2	0.29	ug/L		05/17/13 06:30	05/28/13 23:43	1
Benzo[a]anthracene	ND		5.2	0.38	ug/L		05/17/13 06:30	05/28/13 23:43	1
Benzo[a]pyrene	ND		5.2	0.49	ug/L		05/17/13 06:30	05/28/13 23:43	1
Benzo[b]fluoranthene	ND		5.2	0.36	ug/L		05/17/13 06:30	05/28/13 23:43	1
Benzo[g,h,i]perylene	ND		5.2	0.37	ug/L		05/17/13 06:30	05/28/13 23:43	1
Benzo[k]fluoranthene	ND		5.2	0.77	ug/L		05/17/13 06:30	05/28/13 23:43	1
Bis(2-chloroethoxy)methane	ND		5.2	0.37	ug/L		05/17/13 06:30	05/28/13 23:43	1
Bis(2-chloroethyl)ether	ND		5.2	0.42	ug/L		05/17/13 06:30	05/28/13 23:43	1
Bis(2-ethylhexyl) phthalate	ND		5.2	1.9	ug/L		05/17/13 06:30	05/28/13 23:43	1
Butyl benzyl phthalate	ND		5.2	0.44	ug/L		05/17/13 06:30	05/28/13 23:43	1
Carbazole	ND		5.2	0.31	ug/L		05/17/13 06:30	05/28/13 23:43	1
Chrysene	ND		5.2	0.35	ug/L		05/17/13 06:30	05/28/13 23:43	1
Di-n-butyl phthalate	**0.49**	**J**	5.2	0.33	ug/L		05/17/13 06:30	05/28/13 23:43	1
Di-n-octyl phthalate	ND		5.2	0.49	ug/L		05/17/13 06:30	05/28/13 23:43	1
Dibenz(a,h)anthracene	ND		5.2	0.44	ug/L		05/17/13 06:30	05/28/13 23:43	1
Dibenzofuran	ND		10	0.54	ug/L		05/17/13 06:30	05/28/13 23:43	1
Diethyl phthalate	ND		5.2	0.23	ug/L		05/17/13 06:30	05/28/13 23:43	1
Dimethyl phthalate	ND		5.2	0.38	ug/L		05/17/13 06:30	05/28/13 23:43	1
Fluoranthene	ND		5.2	0.42	ug/L		05/17/13 06:30	05/28/13 23:43	1
Fluorene	ND		5.2	0.38	ug/L		05/17/13 06:30	05/28/13 23:43	1
Hexachlorobenzene	ND		5.2	0.54	ug/L		05/17/13 06:30	05/28/13 23:43	1
Hexachlorobutadiene	ND		5.2	0.71	ug/L		05/17/13 06:30	05/28/13 23:43	1
Hexachlorocyclopentadiene	ND		5.2	0.62	ug/L		05/17/13 06:30	05/28/13 23:43	1
Hexachloroethane	ND		5.2	0.62	ug/L		05/17/13 06:30	05/28/13 23:43	1
Indeno[1,2,3-cd]pyrene	ND		5.2	0.49	ug/L		05/17/13 06:30	05/28/13 23:43	1
Isophorone	ND		5.2	0.45	ug/L		05/17/13 06:30	05/28/13 23:43	1
N-Nitrosodi-n-propylamine	ND		5.2	0.57	ug/L		05/17/13 06:30	05/28/13 23:43	1
N-Nitrosodiphenylamine	ND		5.2	0.54	ug/L		05/17/13 06:30	05/28/13 23:43	1

Client Sample ID: S-3
Date Collected: 05/16/13 14:00
Date Received: 05/16/13 17:00

Lab Sample ID: 480-38452-1
Matrix: Water

Method: 8270C_ASP - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**1.9**	**J**	5.2	0.80	ug/L		05/17/13 06:30	05/28/13 23:43	1
Nitrobenzene	ND		5.2	0.30	ug/L		05/17/13 06:30	05/28/13 23:43	1
Pentachlorophenol	ND		10	2.3	ug/L		05/17/13 06:30	05/28/13 23:43	1
Phenanthrene	**0.60**	**J**	5.2	0.46	ug/L		05/17/13 06:30	05/28/13 23:43	1
Phenol	ND		5.2	0.41	ug/L		05/17/13 06:30	05/28/13 23:43	1
Pyrene	ND		5.2	0.36	ug/L		05/17/13 06:30	05/28/13 23:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*81*		*39 - 146*	*05/17/13 06:30*	*05/28/13 23:43*	*1*
2-Fluorobiphenyl	*70*		*37 - 120*	*05/17/13 06:30*	*05/28/13 23:43*	*1*
2-Fluorophenol	*53*		*18 - 120*	*05/17/13 06:30*	*05/28/13 23:43*	*1*
Nitrobenzene-d5	*70*		*34 - 132*	*05/17/13 06:30*	*05/28/13 23:43*	*1*
p-Terphenyl-d14	*88*		*58 - 147*	*05/17/13 06:30*	*05/28/13 23:43*	*1*
Phenol-d5	*42*		*11 - 120*	*05/17/13 06:30*	*05/28/13 23:43*	*1*

Method: 8081A_ASP - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.048	0.0088	ug/L		05/18/13 09:41	05/20/13 12:52	1
4,4'-DDE	**0.020**	**J**	0.048	0.011	ug/L		05/18/13 09:41	05/20/13 12:52	1
4,4'-DDT	ND		0.048	0.010	ug/L		05/18/13 09:41	05/20/13 12:52	1
Aldrin	ND		0.048	0.0063	ug/L		05/18/13 09:41	05/20/13 12:52	1
alpha-BHC	ND		0.048	0.0063	ug/L		05/18/13 09:41	05/20/13 12:52	1
alpha-Chlordane	ND		0.048	0.014	ug/L		05/18/13 09:41	05/20/13 12:52	1
beta-BHC	ND		0.048	0.024	ug/L		05/18/13 09:41	05/20/13 12:52	1
delta-BHC	ND		0.048	0.0095	ug/L		05/18/13 09:41	05/20/13 12:52	1
Dieldrin	ND		0.048	0.0093	ug/L		05/18/13 09:41	05/20/13 12:52	1
Endosulfan I	ND		0.048	0.010	ug/L		05/18/13 09:41	05/20/13 12:52	1
Endosulfan II	ND		0.048	0.011	ug/L		05/18/13 09:41	05/20/13 12:52	1
Endosulfan sulfate	ND		0.048	0.015	ug/L		05/18/13 09:41	05/20/13 12:52	1
Endrin	ND		0.048	0.013	ug/L		05/18/13 09:41	05/20/13 12:52	1
Endrin aldehyde	ND		0.048	0.016	ug/L		05/18/13 09:41	05/20/13 12:52	1
Endrin ketone	ND		0.048	0.011	ug/L		05/18/13 09:41	05/20/13 12:52	1
gamma-BHC (Lindane)	**0.014**	**J**	0.048	0.0057	ug/L		05/18/13 09:41	05/20/13 12:52	1
gamma-Chlordane	**0.012**	**J**	0.048	0.010	ug/L		05/18/13 09:41	05/20/13 12:52	1
Heptachlor	**0.0091**	**J**	0.048	0.0081	ug/L		05/18/13 09:41	05/20/13 12:52	1
Heptachlor epoxide	ND		0.048	0.0050	ug/L		05/18/13 09:41	05/20/13 12:52	1
Methoxychlor	ND		0.048	0.013	ug/L		05/18/13 09:41	05/20/13 12:52	1
Toxaphene	ND		0.48	0.11	ug/L		05/18/13 09:41	05/20/13 12:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*73*		*20 - 120*	*05/18/13 09:41*	*05/20/13 12:52*	*1*
Tetrachloro-m-xylene	*74*		*36 - 120*	*05/18/13 09:41*	*05/20/13 12:52*	*1*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.43	0.19	ug/L		05/17/13 09:44	05/18/13 15:13	1
PCB-1221	ND		0.43	0.19	ug/L		05/17/13 09:44	05/18/13 15:13	1
PCB-1232	ND		0.43	0.19	ug/L		05/17/13 09:44	05/18/13 15:13	1
PCB-1242	**0.24**	**J**	0.43	0.19	ug/L		05/17/13 09:44	05/18/13 15:13	1
PCB-1248	ND		0.43	0.19	ug/L		05/17/13 09:44	05/18/13 15:13	1

Client Sample ID: S-3

Lab Sample ID: 480-38452-1

Date Collected: 05/16/13 14:00

Matrix: Water

Date Received: 05/16/13 17:00

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1254	ND		0.43	0.27	ug/L		05/17/13 09:44	05/18/13 15:13	1
PCB-1260	ND		0.43	0.27	ug/L		05/17/13 09:44	05/18/13 15:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*72*		*19 - 126*	*05/17/13 09:44*	*05/18/13 15:13*	*1*
Tetrachloro-m-xylene	*93*		*23 - 127*	*05/17/13 09:44*	*05/18/13 15:13*	*1*

Method: 6010B_ASP - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.32**		0.20	0.060	mg/L		05/17/13 10:20	05/17/13 19:16	1
Antimony	ND		0.020	0.0068	mg/L		05/17/13 10:20	05/17/13 19:16	1
Arsenic	**0.0057**	**J**	0.010	0.0056	mg/L		05/17/13 10:20	05/17/13 19:16	1
Barium	**0.033**		0.0020	0.00070	mg/L		05/17/13 10:20	05/17/13 19:16	1
Beryllium	ND		0.0020	0.00030	mg/L		05/17/13 10:20	05/17/13 19:16	1
Cadmium	ND		0.0010	0.00050	mg/L		05/17/13 10:20	05/17/13 19:16	1
Calcium	**57.6**		0.50	0.10	mg/L		05/17/13 10:20	05/17/13 19:16	1
Chromium	**0.0015**	**J**	0.0040	0.0010	mg/L		05/17/13 10:20	05/17/13 19:16	1
Cobalt	ND		0.0040	0.00063	mg/L		05/17/13 10:20	05/17/13 19:16	1
Copper	**0.0044**	**J**	0.010	0.0016	mg/L		05/17/13 10:20	05/17/13 19:16	1
Iron	**0.064**		0.050	0.019	mg/L		05/17/13 10:20	05/17/13 19:16	1
Lead	ND		0.0050	0.0030	mg/L		05/17/13 10:20	05/17/13 19:16	1
Magnesium	**0.24**		0.20	0.043	mg/L		05/17/13 10:20	05/17/13 19:16	1
Manganese	**0.00079**	**J B**	0.0030	0.00040	mg/L		05/17/13 10:20	05/17/13 19:16	1
Nickel	**0.0019**	**J**	0.010	0.0013	mg/L		05/17/13 10:20	05/17/13 19:16	1
Potassium	**42.9**		0.50	0.10	mg/L		05/17/13 10:20	05/17/13 19:16	1
Selenium	ND		0.015	0.0087	mg/L		05/17/13 10:20	05/17/13 19:16	1
Silver	ND		0.0030	0.0017	mg/L		05/17/13 10:20	05/17/13 19:16	1
Sodium	**54.0**		1.0	0.32	mg/L		05/17/13 10:20	05/17/13 19:16	1
Thallium	ND		0.020	0.010	mg/L		05/17/13 10:20	05/17/13 19:16	1
Vanadium	**0.033**		0.0050	0.0015	mg/L		05/17/13 10:20	05/17/13 19:16	1
Zinc	**0.0022**	**J**	0.010	0.0015	mg/L		05/17/13 10:20	05/17/13 19:16	1

Method: 7470A_ASP - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		05/17/13 08:30	05/17/13 13:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Cyanide	**0.054**		0.010	0.0050	mg/L		05/20/13 10:49	05/20/13 20:28	1

Client Sample ID: S-4

Lab Sample ID: 480-38452-2

Date Collected: 05/16/13 14:30

Matrix: Water

Date Received: 05/16/13 17:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/18/13 03:48	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/18/13 03:48	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/18/13 03:48	1
1,1-Dichloroethane	**1.5**		1.0	0.38	ug/L			05/18/13 03:48	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/18/13 03:48	1

Client Sample ID: S-4
Date Collected: 05/16/13 14:30
Date Received: 05/16/13 17:00

Lab Sample ID: 480-38452-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/18/13 03:48	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/18/13 03:48	1
2-Hexanone	ND		5.0	1.2	ug/L			05/18/13 03:48	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/18/13 03:48	1
1,2-Dichloroethene, Total	**1.5**	**J**	2.0	0.70	ug/L			05/18/13 03:48	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/18/13 03:48	1
Acetone	ND		10	3.0	ug/L			05/18/13 03:48	1
Benzene	**0.76**	**J**	1.0	0.41	ug/L			05/18/13 03:48	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/18/13 03:48	1
Bromoform	ND		1.0	0.26	ug/L			05/18/13 03:48	1
Bromomethane	ND		1.0	0.69	ug/L			05/18/13 03:48	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/18/13 03:48	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/18/13 03:48	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/18/13 03:48	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/18/13 03:48	1
Chloroethane	ND		1.0	0.32	ug/L			05/18/13 03:48	1
Chloroform	ND		1.0	0.34	ug/L			05/18/13 03:48	1
Chloromethane	ND		1.0	0.35	ug/L			05/18/13 03:48	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/18/13 03:48	1
Ethylbenzene	**1.2**		1.0	0.74	ug/L			05/18/13 03:48	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/18/13 03:48	1
Styrene	ND		1.0	0.73	ug/L			05/18/13 03:48	1
Tetrachloroethene	**0.90**	**J**	1.0	0.36	ug/L			05/18/13 03:48	1
Toluene	**1.2**		1.0	0.51	ug/L			05/18/13 03:48	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/18/13 03:48	1
Trichloroethene	**0.87**	**J**	1.0	0.46	ug/L			05/18/13 03:48	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/18/13 03:48	1
Xylenes, Total	**7.0**		2.0	0.66	ug/L			05/18/13 03:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*66 - 137*		*05/18/13 03:48*	*1*
Toluene-d8 (Surr)	*100*		*71 - 126*		*05/18/13 03:48*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*05/18/13 03:48*	*1*

Method: 8270C_ASP - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
bis (2-chloroisopropyl) ether	ND		4.7	0.48	ug/L		05/17/13 06:30	05/29/13 00:11	1
1,2,4-Trichlorobenzene	**0.54**	**J**	9.3	0.41	ug/L		05/17/13 06:30	05/29/13 00:11	1
2,4,5-Trichlorophenol	**0.52**	**J**	4.7	0.45	ug/L		05/17/13 06:30	05/29/13 00:11	1
1,2-Dichlorobenzene	**0.85**	**J**	9.3	0.37	ug/L		05/17/13 06:30	05/29/13 00:11	1
2,4,6-Trichlorophenol	ND		4.7	0.57	ug/L		05/17/13 06:30	05/29/13 00:11	1
2,4-Dichlorophenol	ND		4.7	0.47	ug/L		05/17/13 06:30	05/29/13 00:11	1
2,4-Dimethylphenol	**28**		4.7	0.47	ug/L		05/17/13 06:30	05/29/13 00:11	1
1,3-Dichlorobenzene	**0.51**	**J**	9.3	0.45	ug/L		05/17/13 06:30	05/29/13 00:11	1
2,4-Dinitrophenol	ND		9.3	2.1	ug/L		05/17/13 06:30	05/29/13 00:11	1
2,4-Dinitrotoluene	ND		4.7	0.42	ug/L		05/17/13 06:30	05/29/13 00:11	1
1,4-Dichlorobenzene	**1.9**	**J**	9.3	0.43	ug/L		05/17/13 06:30	05/29/13 00:11	1
2,6-Dinitrotoluene	ND		4.7	0.37	ug/L		05/17/13 06:30	05/29/13 00:11	1
2-Chloronaphthalene	ND		4.7	0.43	ug/L		05/17/13 06:30	05/29/13 00:11	1
2-Chlorophenol	ND		4.7	0.49	ug/L		05/17/13 06:30	05/29/13 00:11	1

Client: Groundwater & Environmental Services Inc
Project/Site: Cherry Farms Annual GW Sample

TestAmerica Job ID: 480-38452-1

Client Sample ID: S-4
Date Collected: 05/16/13 14:30
Date Received: 05/16/13 17:00

Lab Sample ID: 480-38452-2
Matrix: Water

Method: 8270C_ASP - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	**2.8**	**J**	4.7	0.56	ug/L		05/17/13 06:30	05/29/13 00:11	1
2-Methylphenol	**9.4**		4.7	0.37	ug/L		05/17/13 06:30	05/29/13 00:11	1
2-Nitroaniline	ND		9.3	0.39	ug/L		05/17/13 06:30	05/29/13 00:11	1
2-Nitrophenol	ND		4.7	0.45	ug/L		05/17/13 06:30	05/29/13 00:11	1
3,3'-Dichlorobenzidine	ND		4.7	0.37	ug/L		05/17/13 06:30	05/29/13 00:11	1
3-Nitroaniline	ND	*	9.3	0.45	ug/L		05/17/13 06:30	05/29/13 00:11	1
4,6-Dinitro-2-methylphenol	ND		9.3	2.0	ug/L		05/17/13 06:30	05/29/13 00:11	1
4-Bromophenyl phenyl ether	ND		4.7	0.42	ug/L		05/17/13 06:30	05/29/13 00:11	1
4-Chloro-3-methylphenol	ND		4.7	0.42	ug/L		05/17/13 06:30	05/29/13 00:11	1
4-Chloroaniline	ND		4.7	0.55	ug/L		05/17/13 06:30	05/29/13 00:11	1
4-Chlorophenyl phenyl ether	ND		4.7	0.33	ug/L		05/17/13 06:30	05/29/13 00:11	1
4-Methylphenol	**19**		9.3	0.33	ug/L		05/17/13 06:30	05/29/13 00:11	1
4-Nitroaniline	ND		9.3	0.23	ug/L		05/17/13 06:30	05/29/13 00:11	1
4-Nitrophenol	ND		9.3	1.4	ug/L		05/17/13 06:30	05/29/13 00:11	1
Acenaphthene	**0.94**	**J**	4.7	0.38	ug/L		05/17/13 06:30	05/29/13 00:11	1
Acenaphthylene	**0.43**	**J**	4.7	0.35	ug/L		05/17/13 06:30	05/29/13 00:11	1
Anthracene	ND		4.7	0.26	ug/L		05/17/13 06:30	05/29/13 00:11	1
Benzo[a]anthracene	ND		4.7	0.33	ug/L		05/17/13 06:30	05/29/13 00:11	1
Benzo[a]pyrene	ND		4.7	0.44	ug/L		05/17/13 06:30	05/29/13 00:11	1
Benzo[b]fluoranthene	ND		4.7	0.32	ug/L		05/17/13 06:30	05/29/13 00:11	1
Benzo[g,h,i]perylene	ND		4.7	0.33	ug/L		05/17/13 06:30	05/29/13 00:11	1
Benzo[k]fluoranthene	ND		4.7	0.68	ug/L		05/17/13 06:30	05/29/13 00:11	1
Bis(2-chloroethoxy)methane	ND		4.7	0.33	ug/L		05/17/13 06:30	05/29/13 00:11	1
Bis(2-chloroethyl)ether	ND		4.7	0.37	ug/L		05/17/13 06:30	05/29/13 00:11	1
Bis(2-ethylhexyl) phthalate	ND		4.7	1.7	ug/L		05/17/13 06:30	05/29/13 00:11	1
Butyl benzyl phthalate	ND		4.7	0.39	ug/L		05/17/13 06:30	05/29/13 00:11	1
Carbazole	**0.86**	**J**	4.7	0.28	ug/L		05/17/13 06:30	05/29/13 00:11	1
Chrysene	ND		4.7	0.31	ug/L		05/17/13 06:30	05/29/13 00:11	1
Di-n-butyl phthalate	**0.51**	**J**	4.7	0.29	ug/L		05/17/13 06:30	05/29/13 00:11	1
Di-n-octyl phthalate	ND		4.7	0.44	ug/L		05/17/13 06:30	05/29/13 00:11	1
Dibenz(a,h)anthracene	ND		4.7	0.39	ug/L		05/17/13 06:30	05/29/13 00:11	1
Dibenzofuran	**0.53**	**J**	9.3	0.47	ug/L		05/17/13 06:30	05/29/13 00:11	1
Diethyl phthalate	ND		4.7	0.20	ug/L		05/17/13 06:30	05/29/13 00:11	1
Dimethyl phthalate	**1.9**	**J**	4.7	0.33	ug/L		05/17/13 06:30	05/29/13 00:11	1
Fluoranthene	ND		4.7	0.37	ug/L		05/17/13 06:30	05/29/13 00:11	1
Fluorene	**0.78**	**J**	4.7	0.33	ug/L		05/17/13 06:30	05/29/13 00:11	1
Hexachlorobenzene	ND		4.7	0.47	ug/L		05/17/13 06:30	05/29/13 00:11	1
Hexachlorobutadiene	ND		4.7	0.63	ug/L		05/17/13 06:30	05/29/13 00:11	1
Hexachlorocyclopentadiene	ND		4.7	0.55	ug/L		05/17/13 06:30	05/29/13 00:11	1
Hexachloroethane	ND		4.7	0.55	ug/L		05/17/13 06:30	05/29/13 00:11	1
Indeno[1,2,3-cd]pyrene	ND		4.7	0.44	ug/L		05/17/13 06:30	05/29/13 00:11	1
Isophorone	ND		4.7	0.40	ug/L		05/17/13 06:30	05/29/13 00:11	1
N-Nitrosodi-n-propylamine	ND		4.7	0.50	ug/L		05/17/13 06:30	05/29/13 00:11	1
N-Nitrosodiphenylamine	ND		4.7	0.47	ug/L		05/17/13 06:30	05/29/13 00:11	1
Naphthalene	**12**		4.7	0.71	ug/L		05/17/13 06:30	05/29/13 00:11	1
Nitrobenzene	ND		4.7	0.27	ug/L		05/17/13 06:30	05/29/13 00:11	1
Pentachlorophenol	ND		9.3	2.0	ug/L		05/17/13 06:30	05/29/13 00:11	1
Phenanthrene	**0.74**	**J**	4.7	0.41	ug/L		05/17/13 06:30	05/29/13 00:11	1
Phenol	ND		4.7	0.36	ug/L		05/17/13 06:30	05/29/13 00:11	1

Client Sample ID: S-4
Date Collected: 05/16/13 14:30
Date Received: 05/16/13 17:00

Lab Sample ID: 480-38452-2
Matrix: Water

Method: 8270C_ASP - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyrene	ND		4.7	0.32	ug/L		05/17/13 06:30	05/29/13 00:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*77*		*39 - 146*	*05/17/13 06:30*	*05/29/13 00:11*	*1*
2-Fluorobiphenyl	*68*		*37 - 120*	*05/17/13 06:30*	*05/29/13 00:11*	*1*
2-Fluorophenol	*55*		*18 - 120*	*05/17/13 06:30*	*05/29/13 00:11*	*1*
Nitrobenzene-d5	*68*		*34 - 132*	*05/17/13 06:30*	*05/29/13 00:11*	*1*
p-Terphenyl-d14	*87*		*58 - 147*	*05/17/13 06:30*	*05/29/13 00:11*	*1*
Phenol-d5	*43*		*11 - 120*	*05/17/13 06:30*	*05/29/13 00:11*	*1*

Method: 8081A_ASP - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.053	0.0097	ug/L		05/18/13 09:41	05/20/13 13:10	1
4,4'-DDE	**0.023**	**J**	0.053	0.012	ug/L		05/18/13 09:41	05/20/13 13:10	1
4,4'-DDT	**0.022**	**J**	0.053	0.012	ug/L		05/18/13 09:41	05/20/13 13:10	1
Aldrin	ND		0.053	0.0070	ug/L		05/18/13 09:41	05/20/13 13:10	1
alpha-BHC	ND		0.053	0.0070	ug/L		05/18/13 09:41	05/20/13 13:10	1
alpha-Chlordane	ND		0.053	0.016	ug/L		05/18/13 09:41	05/20/13 13:10	1
beta-BHC	ND		0.053	0.026	ug/L		05/18/13 09:41	05/20/13 13:10	1
delta-BHC	**0.076**		0.053	0.011	ug/L		05/18/13 09:41	05/20/13 13:10	1
Dieldrin	**0.011**	**J**	0.053	0.010	ug/L		05/18/13 09:41	05/20/13 13:10	1
Endosulfan I	ND		0.053	0.012	ug/L		05/18/13 09:41	05/20/13 13:10	1
Endosulfan II	ND		0.053	0.013	ug/L		05/18/13 09:41	05/20/13 13:10	1
Endosulfan sulfate	ND		0.053	0.017	ug/L		05/18/13 09:41	05/20/13 13:10	1
Endrin	ND		0.053	0.015	ug/L		05/18/13 09:41	05/20/13 13:10	1
Endrin aldehyde	ND		0.053	0.017	ug/L		05/18/13 09:41	05/20/13 13:10	1
Endrin ketone	ND		0.053	0.013	ug/L		05/18/13 09:41	05/20/13 13:10	1
gamma-BHC (Lindane)	**0.025**	**J**	0.053	0.0063	ug/L		05/18/13 09:41	05/20/13 13:10	1
gamma-Chlordane	**0.013**	**J**	0.053	0.012	ug/L		05/18/13 09:41	05/20/13 13:10	1
Heptachlor	**0.022**	**J**	0.053	0.0090	ug/L		05/18/13 09:41	05/20/13 13:10	1
Heptachlor epoxide	ND		0.053	0.0056	ug/L		05/18/13 09:41	05/20/13 13:10	1
Methoxychlor	ND		0.053	0.015	ug/L		05/18/13 09:41	05/20/13 13:10	1
Toxaphene	ND		0.53	0.13	ug/L		05/18/13 09:41	05/20/13 13:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*75*		*20 - 120*	*05/18/13 09:41*	*05/20/13 13:10*	*1*
Tetrachloro-m-xylene	*70*		*36 - 120*	*05/18/13 09:41*	*05/20/13 13:10*	*1*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.42	0.18	ug/L		05/17/13 09:44	05/18/13 15:29	1
PCB-1221	ND		0.42	0.18	ug/L		05/17/13 09:44	05/18/13 15:29	1
PCB-1232	ND		0.42	0.18	ug/L		05/17/13 09:44	05/18/13 15:29	1
PCB-1242	**2.2**		0.42	0.18	ug/L		05/17/13 09:44	05/18/13 15:29	1
PCB-1248	ND		0.42	0.18	ug/L		05/17/13 09:44	05/18/13 15:29	1
PCB-1254	ND		0.42	0.26	ug/L		05/17/13 09:44	05/18/13 15:29	1
PCB-1260	ND		0.42	0.26	ug/L		05/17/13 09:44	05/18/13 15:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*88*		*19 - 126*	*05/17/13 09:44*	*05/18/13 15:29*	*1*
Tetrachloro-m-xylene	*102*		*23 - 127*	*05/17/13 09:44*	*05/18/13 15:29*	*1*

Client Sample ID: S-4

Lab Sample ID: 480-38452-2

Date Collected: 05/16/13 14:30

Matrix: Water

Date Received: 05/16/13 17:00

Method: 6010B_ASP - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.46**		0.20	0.060	mg/L		05/17/13 10:20	05/17/13 19:18	1
Antimony	ND		0.020	0.0068	mg/L		05/17/13 10:20	05/17/13 19:18	1
Arsenic	**0.0061**	**J**	0.010	0.0056	mg/L		05/17/13 10:20	05/17/13 19:18	1
Barium	**0.030**		0.0020	0.00070	mg/L		05/17/13 10:20	05/17/13 19:18	1
Beryllium	ND		0.0020	0.00030	mg/L		05/17/13 10:20	05/17/13 19:18	1
Cadmium	ND		0.0010	0.00050	mg/L		05/17/13 10:20	05/17/13 19:18	1
Calcium	**111**		0.50	0.10	mg/L		05/17/13 10:20	05/17/13 19:18	1
Chromium	ND		0.0040	0.0010	mg/L		05/17/13 10:20	05/17/13 19:18	1
Cobalt	ND		0.0040	0.00063	mg/L		05/17/13 10:20	05/17/13 19:18	1
Copper	ND		0.010	0.0016	mg/L		05/17/13 10:20	05/17/13 19:18	1
Iron	**0.13**		0.050	0.019	mg/L		05/17/13 10:20	05/17/13 19:18	1
Lead	ND		0.0050	0.0030	mg/L		05/17/13 10:20	05/17/13 19:18	1
Magnesium	**0.90**		0.20	0.043	mg/L		05/17/13 10:20	05/17/13 19:18	1
Manganese	**0.049**	**B**	0.0030	0.00040	mg/L		05/17/13 10:20	05/17/13 19:18	1
Nickel	**0.0013**	**J**	0.010	0.0013	mg/L		05/17/13 10:20	05/17/13 19:18	1
Potassium	**59.1**		0.50	0.10	mg/L		05/17/13 10:20	05/17/13 19:18	1
Selenium	ND		0.015	0.0087	mg/L		05/17/13 10:20	05/17/13 19:18	1
Silver	ND		0.0030	0.0017	mg/L		05/17/13 10:20	05/17/13 19:18	1
Sodium	**57.0**		1.0	0.32	mg/L		05/17/13 10:20	05/17/13 19:18	1
Thallium	ND		0.020	0.010	mg/L		05/17/13 10:20	05/17/13 19:18	1
Vanadium	**0.011**		0.0050	0.0015	mg/L		05/17/13 10:20	05/17/13 19:18	1
Zinc	ND		0.010	0.0015	mg/L		05/17/13 10:20	05/17/13 19:18	1

Method: 7470A_ASP - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		05/20/13 08:15	05/20/13 12:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Cyanide	**0.026**		0.010	0.0050	mg/L		05/20/13 10:49	05/20/13 20:29	1

Client Sample ID: S-1

Lab Sample ID: 480-38452-3

Date Collected: 05/16/13 13:30

Matrix: Water

Date Received: 05/16/13 17:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/18/13 04:15	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/18/13 04:15	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/18/13 04:15	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/18/13 04:15	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/18/13 04:15	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/18/13 04:15	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/18/13 04:15	1
2-Hexanone	ND		5.0	1.2	ug/L			05/18/13 04:15	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/18/13 04:15	1
1,2-Dichloroethene, Total	ND		2.0	0.70	ug/L			05/18/13 04:15	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/18/13 04:15	1
Acetone	ND		10	3.0	ug/L			05/18/13 04:15	1
Benzene	ND		1.0	0.41	ug/L			05/18/13 04:15	1

Client Sample ID: S-1
Date Collected: 05/16/13 13:30
Date Received: 05/16/13 17:00

Lab Sample ID: 480-38452-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		1.0	0.39	ug/L			05/18/13 04:15	1
Bromoform	ND		1.0	0.26	ug/L			05/18/13 04:15	1
Bromomethane	ND		1.0	0.69	ug/L			05/18/13 04:15	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/18/13 04:15	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/18/13 04:15	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/18/13 04:15	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/18/13 04:15	1
Chloroethane	ND		1.0	0.32	ug/L			05/18/13 04:15	1
Chloroform	ND		1.0	0.34	ug/L			05/18/13 04:15	1
Chloromethane	ND		1.0	0.35	ug/L			05/18/13 04:15	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/18/13 04:15	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/18/13 04:15	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/18/13 04:15	1
Styrene	ND		1.0	0.73	ug/L			05/18/13 04:15	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/18/13 04:15	1
Toluene	ND		1.0	0.51	ug/L			05/18/13 04:15	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/18/13 04:15	1
Trichloroethene	ND		1.0	0.46	ug/L			05/18/13 04:15	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/18/13 04:15	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/18/13 04:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*66 - 137*		*05/18/13 04:15*	*1*
Toluene-d8 (Surr)	*101*		*71 - 126*		*05/18/13 04:15*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*05/18/13 04:15*	*1*

Method: 8270C_ASP - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		05/17/13 06:30	05/29/13 00:39	1
1,2,4-Trichlorobenzene	ND		10	0.44	ug/L		05/17/13 06:30	05/29/13 00:39	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		05/17/13 06:30	05/29/13 00:39	1
1,2-Dichlorobenzene	ND		10	0.40	ug/L		05/17/13 06:30	05/29/13 00:39	1
2,4,6-Trichlorophenol	ND		5.0	0.62	ug/L		05/17/13 06:30	05/29/13 00:39	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		05/17/13 06:30	05/29/13 00:39	1
2,4-Dimethylphenol	**1.3**	**J**	5.0	0.50	ug/L		05/17/13 06:30	05/29/13 00:39	1
1,3-Dichlorobenzene	ND		10	0.48	ug/L		05/17/13 06:30	05/29/13 00:39	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		05/17/13 06:30	05/29/13 00:39	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		05/17/13 06:30	05/29/13 00:39	1
1,4-Dichlorobenzene	ND		10	0.46	ug/L		05/17/13 06:30	05/29/13 00:39	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		05/17/13 06:30	05/29/13 00:39	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		05/17/13 06:30	05/29/13 00:39	1
2-Chlorophenol	ND		5.0	0.53	ug/L		05/17/13 06:30	05/29/13 00:39	1
2-Methylnaphthalene	ND		5.0	0.61	ug/L		05/17/13 06:30	05/29/13 00:39	1
2-Methylphenol	ND		5.0	0.40	ug/L		05/17/13 06:30	05/29/13 00:39	1
2-Nitroaniline	ND		10	0.42	ug/L		05/17/13 06:30	05/29/13 00:39	1
2-Nitrophenol	ND		5.0	0.48	ug/L		05/17/13 06:30	05/29/13 00:39	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		05/17/13 06:30	05/29/13 00:39	1
3-Nitroaniline	ND	*	10	0.48	ug/L		05/17/13 06:30	05/29/13 00:39	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		05/17/13 06:30	05/29/13 00:39	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		05/17/13 06:30	05/29/13 00:39	1

Client: Groundwater & Environmental Services Inc
Project/Site: Cherry Farms Annual GW Sample

TestAmerica Job ID: 480-38452-1

Client Sample ID: S-1
Date Collected: 05/16/13 13:30
Date Received: 05/16/13 17:00

Lab Sample ID: 480-38452-3
Matrix: Water

Method: 8270C_ASP - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		05/17/13 06:30	05/29/13 00:39	1
4-Chloroaniline	ND		5.0	0.60	ug/L		05/17/13 06:30	05/29/13 00:39	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		05/17/13 06:30	05/29/13 00:39	1
4-Methylphenol	**0.47**	**J**	10	0.36	ug/L		05/17/13 06:30	05/29/13 00:39	1
4-Nitroaniline	ND		10	0.25	ug/L		05/17/13 06:30	05/29/13 00:39	1
4-Nitrophenol	ND		10	1.5	ug/L		05/17/13 06:30	05/29/13 00:39	1
Acenaphthene	ND		5.0	0.41	ug/L		05/17/13 06:30	05/29/13 00:39	1
Acenaphthylene	ND		5.0	0.38	ug/L		05/17/13 06:30	05/29/13 00:39	1
Anthracene	ND		5.0	0.28	ug/L		05/17/13 06:30	05/29/13 00:39	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		05/17/13 06:30	05/29/13 00:39	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		05/17/13 06:30	05/29/13 00:39	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		05/17/13 06:30	05/29/13 00:39	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		05/17/13 06:30	05/29/13 00:39	1
Benzo[k]fluoranthene	ND		5.0	0.74	ug/L		05/17/13 06:30	05/29/13 00:39	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		05/17/13 06:30	05/29/13 00:39	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		05/17/13 06:30	05/29/13 00:39	1
Bis(2-ethylhexyl) phthalate	ND		5.0	1.8	ug/L		05/17/13 06:30	05/29/13 00:39	1
Butyl benzyl phthalate	ND		5.0	0.42	ug/L		05/17/13 06:30	05/29/13 00:39	1
Carbazole	ND		5.0	0.30	ug/L		05/17/13 06:30	05/29/13 00:39	1
Chrysene	ND		5.0	0.33	ug/L		05/17/13 06:30	05/29/13 00:39	1
Di-n-butyl phthalate	**0.98**	**J**	5.0	0.31	ug/L		05/17/13 06:30	05/29/13 00:39	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		05/17/13 06:30	05/29/13 00:39	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		05/17/13 06:30	05/29/13 00:39	1
Dibenzofuran	ND		10	0.51	ug/L		05/17/13 06:30	05/29/13 00:39	1
Diethyl phthalate	ND		5.0	0.22	ug/L		05/17/13 06:30	05/29/13 00:39	1
Dimethyl phthalate	**0.45**	**J**	5.0	0.36	ug/L		05/17/13 06:30	05/29/13 00:39	1
Fluoranthene	ND		5.0	0.40	ug/L		05/17/13 06:30	05/29/13 00:39	1
Fluorene	ND		5.0	0.36	ug/L		05/17/13 06:30	05/29/13 00:39	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		05/17/13 06:30	05/29/13 00:39	1
Hexachlorobutadiene	ND		5.0	0.69	ug/L		05/17/13 06:30	05/29/13 00:39	1
Hexachlorocyclopentadiene	ND		5.0	0.60	ug/L		05/17/13 06:30	05/29/13 00:39	1
Hexachloroethane	ND		5.0	0.60	ug/L		05/17/13 06:30	05/29/13 00:39	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		05/17/13 06:30	05/29/13 00:39	1
Isophorone	ND		5.0	0.43	ug/L		05/17/13 06:30	05/29/13 00:39	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		05/17/13 06:30	05/29/13 00:39	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		05/17/13 06:30	05/29/13 00:39	1
Naphthalene	ND		5.0	0.77	ug/L		05/17/13 06:30	05/29/13 00:39	1
Nitrobenzene	ND		5.0	0.29	ug/L		05/17/13 06:30	05/29/13 00:39	1
Pentachlorophenol	ND		10	2.2	ug/L		05/17/13 06:30	05/29/13 00:39	1
Phenanthrene	ND		5.0	0.44	ug/L		05/17/13 06:30	05/29/13 00:39	1
Phenol	ND		5.0	0.39	ug/L		05/17/13 06:30	05/29/13 00:39	1
Pyrene	ND		5.0	0.34	ug/L		05/17/13 06:30	05/29/13 00:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*84*		*39 - 146*	*05/17/13 06:30*	*05/29/13 00:39*	*1*
2-Fluorobiphenyl	*72*		*37 - 120*	*05/17/13 06:30*	*05/29/13 00:39*	*1*
2-Fluorophenol	*61*		*18 - 120*	*05/17/13 06:30*	*05/29/13 00:39*	*1*
Nitrobenzene-d5	*73*		*34 - 132*	*05/17/13 06:30*	*05/29/13 00:39*	*1*
p-Terphenyl-d14	*89*		*58 - 147*	*05/17/13 06:30*	*05/29/13 00:39*	*1*
Phenol-d5	*48*		*11 - 120*	*05/17/13 06:30*	*05/29/13 00:39*	*1*

Client: Groundwater & Environmental Services Inc
Project/Site: Cherry Farms Annual GW Sample

TestAmerica Job ID: 480-38452-1

Client Sample ID: S-1
Date Collected: 05/16/13 13:30
Date Received: 05/16/13 17:00

Lab Sample ID: 480-38452-3
Matrix: Water

Method: 8081A_ASP - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	**0.17**	**B**	0.053	0.0097	ug/L		05/18/13 09:41	05/20/13 13:27	1
4,4'-DDE	**0.023**	**J**	0.053	0.012	ug/L		05/18/13 09:41	05/20/13 13:27	1
4,4'-DDT	ND		0.053	0.012	ug/L		05/18/13 09:41	05/20/13 13:27	1
Aldrin	ND		0.053	0.0069	ug/L		05/18/13 09:41	05/20/13 13:27	1
alpha-BHC	**0.019**	**J**	0.053	0.0069	ug/L		05/18/13 09:41	05/20/13 13:27	1
alpha-Chlordane	ND		0.053	0.016	ug/L		05/18/13 09:41	05/20/13 13:27	1
beta-BHC	ND		0.053	0.026	ug/L		05/18/13 09:41	05/20/13 13:27	1
delta-BHC	ND		0.053	0.011	ug/L		05/18/13 09:41	05/20/13 13:27	1
Dieldrin	**0.010**	**J**	0.053	0.010	ug/L		05/18/13 09:41	05/20/13 13:27	1
Endosulfan I	ND		0.053	0.012	ug/L		05/18/13 09:41	05/20/13 13:27	1
Endosulfan II	ND		0.053	0.013	ug/L		05/18/13 09:41	05/20/13 13:27	1
Endosulfan sulfate	ND		0.053	0.017	ug/L		05/18/13 09:41	05/20/13 13:27	1
Endrin	ND		0.053	0.015	ug/L		05/18/13 09:41	05/20/13 13:27	1
Endrin aldehyde	ND		0.053	0.017	ug/L		05/18/13 09:41	05/20/13 13:27	1
Endrin ketone	ND		0.053	0.013	ug/L		05/18/13 09:41	05/20/13 13:27	1
gamma-BHC (Lindane)	ND		0.053	0.0063	ug/L		05/18/13 09:41	05/20/13 13:27	1
gamma-Chlordane	**0.030**	**J**	0.053	0.012	ug/L		05/18/13 09:41	05/20/13 13:27	1
Heptachlor	**0.018**	**J**	0.053	0.0089	ug/L		05/18/13 09:41	05/20/13 13:27	1
Heptachlor epoxide	**0.011**	**J**	0.053	0.0056	ug/L		05/18/13 09:41	05/20/13 13:27	1
Methoxychlor	ND		0.053	0.015	ug/L		05/18/13 09:41	05/20/13 13:27	1
Toxaphene	ND		0.53	0.13	ug/L		05/18/13 09:41	05/20/13 13:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*64*		*20 - 120*	*05/18/13 09:41*	*05/20/13 13:27*	*1*
Tetrachloro-m-xylene	*65*		*36 - 120*	*05/18/13 09:41*	*05/20/13 13:27*	*1*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.36	0.16	ug/L		05/17/13 09:44	05/18/13 15:45	1
PCB-1221	ND		0.36	0.16	ug/L		05/17/13 09:44	05/18/13 15:45	1
PCB-1232	ND		0.36	0.16	ug/L		05/17/13 09:44	05/18/13 15:45	1
PCB-1242	ND		0.36	0.16	ug/L		05/17/13 09:44	05/18/13 15:45	1
PCB-1248	ND		0.36	0.16	ug/L		05/17/13 09:44	05/18/13 15:45	1
PCB-1254	ND		0.36	0.23	ug/L		05/17/13 09:44	05/18/13 15:45	1
PCB-1260	ND		0.36	0.23	ug/L		05/17/13 09:44	05/18/13 15:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*77*		*19 - 126*	*05/17/13 09:44*	*05/18/13 15:45*	*1*
Tetrachloro-m-xylene	*90*		*23 - 127*	*05/17/13 09:44*	*05/18/13 15:45*	*1*

Method: 6010B_ASP - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		05/17/13 10:20	05/17/13 19:20	1
Antimony	ND		0.020	0.0068	mg/L		05/17/13 10:20	05/17/13 19:20	1
Arsenic	ND		0.010	0.0056	mg/L		05/17/13 10:20	05/17/13 19:20	1
Barium	**0.076**		0.0020	0.00070	mg/L		05/17/13 10:20	05/17/13 19:20	1
Beryllium	ND		0.0020	0.00030	mg/L		05/17/13 10:20	05/17/13 19:20	1
Cadmium	ND		0.0010	0.00050	mg/L		05/17/13 10:20	05/17/13 19:20	1
Calcium	**52.7**		0.50	0.10	mg/L		05/17/13 10:20	05/17/13 19:20	1
Chromium	**0.0011**	**J**	0.0040	0.0010	mg/L		05/17/13 10:20	05/17/13 19:20	1

Client Sample ID: S-1

Lab Sample ID: 480-38452-3

Date Collected: 05/16/13 13:30

Matrix: Water

Date Received: 05/16/13 17:00

Method: 6010B_ASP - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	ND		0.0040	0.00063	mg/L		05/17/13 10:20	05/17/13 19:20	1
Copper	**0.0072**	**J**	0.010	0.0016	mg/L		05/17/13 10:20	05/17/13 19:20	1
Iron	**1.4**		0.050	0.019	mg/L		05/17/13 10:20	05/17/13 19:20	1
Lead	ND		0.0050	0.0030	mg/L		05/17/13 10:20	05/17/13 19:20	1
Magnesium	**12.6**		0.20	0.043	mg/L		05/17/13 10:20	05/17/13 19:20	1
Manganese	**0.51**	**B**	0.0030	0.00040	mg/L		05/17/13 10:20	05/17/13 19:20	1
Nickel	**0.0023**	**J**	0.010	0.0013	mg/L		05/17/13 10:20	05/17/13 19:20	1
Potassium	**10.8**		0.50	0.10	mg/L		05/17/13 10:20	05/17/13 19:20	1
Selenium	ND		0.015	0.0087	mg/L		05/17/13 10:20	05/17/13 19:20	1
Silver	ND		0.0030	0.0017	mg/L		05/17/13 10:20	05/17/13 19:20	1
Sodium	**31.9**		1.0	0.32	mg/L		05/17/13 10:20	05/17/13 19:20	1
Thallium	ND		0.020	0.010	mg/L		05/17/13 10:20	05/17/13 19:20	1
Vanadium	ND		0.0050	0.0015	mg/L		05/17/13 10:20	05/17/13 19:20	1
Zinc	**0.011**		0.010	0.0015	mg/L		05/17/13 10:20	05/17/13 19:20	1

Method: 7470A_ASP - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		05/17/13 08:30	05/17/13 13:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Cyanide	ND		0.010	0.0050	mg/L		05/20/13 10:49	05/20/13 20:30	1

Client Sample ID: S-2

Lab Sample ID: 480-38452-4

Date Collected: 05/16/13 13:45

Matrix: Water

Date Received: 05/16/13 17:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/18/13 05:38	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/18/13 05:38	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/18/13 05:38	1
1,1-Dichloroethane	**1.1**		1.0	0.38	ug/L			05/18/13 05:38	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/18/13 05:38	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/18/13 05:38	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/18/13 05:38	1
2-Hexanone	ND		5.0	1.2	ug/L			05/18/13 05:38	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/18/13 05:38	1
1,2-Dichloroethene, Total	ND		2.0	0.70	ug/L			05/18/13 05:38	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/18/13 05:38	1
Acetone	ND		10	3.0	ug/L			05/18/13 05:38	1
Benzene	ND		1.0	0.41	ug/L			05/18/13 05:38	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/18/13 05:38	1
Bromoform	ND		1.0	0.26	ug/L			05/18/13 05:38	1
Bromomethane	ND		1.0	0.69	ug/L			05/18/13 05:38	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/18/13 05:38	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/18/13 05:38	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/18/13 05:38	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/18/13 05:38	1
Chloroethane	ND		1.0	0.32	ug/L			05/18/13 05:38	1

Client Sample ID: S-2
Date Collected: 05/16/13 13:45
Date Received: 05/16/13 17:00

Lab Sample ID: 480-38452-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	ND		1.0	0.34	ug/L			05/18/13 05:38	1
Chloromethane	ND		1.0	0.35	ug/L			05/18/13 05:38	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/18/13 05:38	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/18/13 05:38	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/18/13 05:38	1
Styrene	ND		1.0	0.73	ug/L			05/18/13 05:38	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/18/13 05:38	1
Toluene	ND		1.0	0.51	ug/L			05/18/13 05:38	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/18/13 05:38	1
Trichloroethene	ND		1.0	0.46	ug/L			05/18/13 05:38	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/18/13 05:38	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/18/13 05:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*66 - 137*		*05/18/13 05:38*	*1*
Toluene-d8 (Surr)	*100*		*71 - 126*		*05/18/13 05:38*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*05/18/13 05:38*	*1*

Method: 8270C_ASP - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
bis (2-chloroisopropyl) ether	ND		4.9	0.51	ug/L		05/17/13 06:30	05/29/13 01:06	1
1,2,4-Trichlorobenzene	ND		9.7	0.43	ug/L		05/17/13 06:30	05/29/13 01:06	1
2,4,5-Trichlorophenol	ND		4.9	0.47	ug/L		05/17/13 06:30	05/29/13 01:06	1
1,2-Dichlorobenzene	ND		9.7	0.39	ug/L		05/17/13 06:30	05/29/13 01:06	1
2,4,6-Trichlorophenol	ND		4.9	0.59	ug/L		05/17/13 06:30	05/29/13 01:06	1
2,4-Dichlorophenol	ND		4.9	0.50	ug/L		05/17/13 06:30	05/29/13 01:06	1
2,4-Dimethylphenol	**5.8**		4.9	0.49	ug/L		05/17/13 06:30	05/29/13 01:06	1
1,3-Dichlorobenzene	ND		9.7	0.47	ug/L		05/17/13 06:30	05/29/13 01:06	1
2,4-Dinitrophenol	ND		9.7	2.2	ug/L		05/17/13 06:30	05/29/13 01:06	1
2,4-Dinitrotoluene	ND		4.9	0.44	ug/L		05/17/13 06:30	05/29/13 01:06	1
1,4-Dichlorobenzene	ND		9.7	0.45	ug/L		05/17/13 06:30	05/29/13 01:06	1
2,6-Dinitrotoluene	ND		4.9	0.39	ug/L		05/17/13 06:30	05/29/13 01:06	1
2-Chloronaphthalene	ND		4.9	0.45	ug/L		05/17/13 06:30	05/29/13 01:06	1
2-Chlorophenol	ND		4.9	0.52	ug/L		05/17/13 06:30	05/29/13 01:06	1
2-Methylnaphthalene	ND		4.9	0.58	ug/L		05/17/13 06:30	05/29/13 01:06	1
2-Methylphenol	**0.86**	**J**	4.9	0.39	ug/L		05/17/13 06:30	05/29/13 01:06	1
2-Nitroaniline	ND		9.7	0.41	ug/L		05/17/13 06:30	05/29/13 01:06	1
2-Nitrophenol	ND		4.9	0.47	ug/L		05/17/13 06:30	05/29/13 01:06	1
3,3'-Dichlorobenzidine	ND		4.9	0.39	ug/L		05/17/13 06:30	05/29/13 01:06	1
3-Nitroaniline	ND	*	9.7	0.47	ug/L		05/17/13 06:30	05/29/13 01:06	1
4,6-Dinitro-2-methylphenol	ND		9.7	2.1	ug/L		05/17/13 06:30	05/29/13 01:06	1
4-Bromophenyl phenyl ether	ND		4.9	0.44	ug/L		05/17/13 06:30	05/29/13 01:06	1
4-Chloro-3-methylphenol	ND		4.9	0.44	ug/L		05/17/13 06:30	05/29/13 01:06	1
4-Chloroaniline	ND		4.9	0.58	ug/L		05/17/13 06:30	05/29/13 01:06	1
4-Chlorophenyl phenyl ether	ND		4.9	0.34	ug/L		05/17/13 06:30	05/29/13 01:06	1
4-Methylphenol	ND		9.7	0.35	ug/L		05/17/13 06:30	05/29/13 01:06	1
4-Nitroaniline	ND		9.7	0.24	ug/L		05/17/13 06:30	05/29/13 01:06	1
4-Nitrophenol	ND		9.7	1.5	ug/L		05/17/13 06:30	05/29/13 01:06	1
Acenaphthene	ND		4.9	0.40	ug/L		05/17/13 06:30	05/29/13 01:06	1
Acenaphthylene	ND		4.9	0.37	ug/L		05/17/13 06:30	05/29/13 01:06	1

Client Sample ID: S-2
Date Collected: 05/16/13 13:45
Date Received: 05/16/13 17:00

Lab Sample ID: 480-38452-4
Matrix: Water

Method: 8270C_ASP - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	ND		4.9	0.27	ug/L		05/17/13 06:30	05/29/13 01:06	1
Benzo[a]anthracene	ND		4.9	0.35	ug/L		05/17/13 06:30	05/29/13 01:06	1
Benzo[a]pyrene	ND		4.9	0.46	ug/L		05/17/13 06:30	05/29/13 01:06	1
Benzo[b]fluoranthene	ND		4.9	0.33	ug/L		05/17/13 06:30	05/29/13 01:06	1
Benzo[g,h,i]perylene	ND		4.9	0.34	ug/L		05/17/13 06:30	05/29/13 01:06	1
Benzo[k]fluoranthene	ND		4.9	0.71	ug/L		05/17/13 06:30	05/29/13 01:06	1
Bis(2-chloroethoxy)methane	ND		4.9	0.34	ug/L		05/17/13 06:30	05/29/13 01:06	1
Bis(2-chloroethyl)ether	ND		4.9	0.39	ug/L		05/17/13 06:30	05/29/13 01:06	1
Bis(2-ethylhexyl) phthalate	ND		4.9	1.8	ug/L		05/17/13 06:30	05/29/13 01:06	1
Butyl benzyl phthalate	ND		4.9	0.41	ug/L		05/17/13 06:30	05/29/13 01:06	1
Carbazole	ND		4.9	0.29	ug/L		05/17/13 06:30	05/29/13 01:06	1
Chrysene	ND		4.9	0.32	ug/L		05/17/13 06:30	05/29/13 01:06	1
Di-n-butyl phthalate	**3.3**	**J**	4.9	0.30	ug/L		05/17/13 06:30	05/29/13 01:06	1
Di-n-octyl phthalate	ND		4.9	0.46	ug/L		05/17/13 06:30	05/29/13 01:06	1
Dibenz(a,h)anthracene	ND		4.9	0.41	ug/L		05/17/13 06:30	05/29/13 01:06	1
Dibenzofuran	ND		9.7	0.50	ug/L		05/17/13 06:30	05/29/13 01:06	1
Diethyl phthalate	ND		4.9	0.21	ug/L		05/17/13 06:30	05/29/13 01:06	1
Dimethyl phthalate	**36**		4.9	0.35	ug/L		05/17/13 06:30	05/29/13 01:06	1
Fluoranthene	ND		4.9	0.39	ug/L		05/17/13 06:30	05/29/13 01:06	1
Fluorene	ND		4.9	0.35	ug/L		05/17/13 06:30	05/29/13 01:06	1
Hexachlorobenzene	ND		4.9	0.50	ug/L		05/17/13 06:30	05/29/13 01:06	1
Hexachlorobutadiene	ND		4.9	0.66	ug/L		05/17/13 06:30	05/29/13 01:06	1
Hexachlorocyclopentadiene	ND		4.9	0.58	ug/L		05/17/13 06:30	05/29/13 01:06	1
Hexachloroethane	ND		4.9	0.58	ug/L		05/17/13 06:30	05/29/13 01:06	1
Indeno[1,2,3-cd]pyrene	ND		4.9	0.46	ug/L		05/17/13 06:30	05/29/13 01:06	1
Isophorone	ND		4.9	0.42	ug/L		05/17/13 06:30	05/29/13 01:06	1
N-Nitrosodi-n-propylamine	ND		4.9	0.53	ug/L		05/17/13 06:30	05/29/13 01:06	1
N-Nitrosodiphenylamine	ND		4.9	0.50	ug/L		05/17/13 06:30	05/29/13 01:06	1
Naphthalene	ND		4.9	0.74	ug/L		05/17/13 06:30	05/29/13 01:06	1
Nitrobenzene	ND		4.9	0.28	ug/L		05/17/13 06:30	05/29/13 01:06	1
Pentachlorophenol	ND		9.7	2.1	ug/L		05/17/13 06:30	05/29/13 01:06	1
Phenanthrene	**0.49**	**J**	4.9	0.43	ug/L		05/17/13 06:30	05/29/13 01:06	1
Phenol	ND		4.9	0.38	ug/L		05/17/13 06:30	05/29/13 01:06	1
Pyrene	ND		4.9	0.33	ug/L		05/17/13 06:30	05/29/13 01:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*81*		*39 - 146*	*05/17/13 06:30*	*05/29/13 01:06*	*1*
2-Fluorobiphenyl	*61*		*37 - 120*	*05/17/13 06:30*	*05/29/13 01:06*	*1*
2-Fluorophenol	*42*		*18 - 120*	*05/17/13 06:30*	*05/29/13 01:06*	*1*
Nitrobenzene-d5	*58*		*34 - 132*	*05/17/13 06:30*	*05/29/13 01:06*	*1*
p-Terphenyl-d14	*83*		*58 - 147*	*05/17/13 06:30*	*05/29/13 01:06*	*1*
Phenol-d5	*33*		*11 - 120*	*05/17/13 06:30*	*05/29/13 01:06*	*1*

Method: 8081A_ASP - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	**0.12**	**B**	0.050	0.0092	ug/L		05/18/13 09:41	05/20/13 13:45	1
4,4'-DDE	**0.021**	**J**	0.050	0.012	ug/L		05/18/13 09:41	05/20/13 13:45	1
4,4'-DDT	**0.023**	**J**	0.050	0.011	ug/L		05/18/13 09:41	05/20/13 13:45	1
Aldrin	ND		0.050	0.0066	ug/L		05/18/13 09:41	05/20/13 13:45	1
alpha-BHC	ND		0.050	0.0066	ug/L		05/18/13 09:41	05/20/13 13:45	1

Client Sample ID: S-2
Date Collected: 05/16/13 13:45
Date Received: 05/16/13 17:00

Lab Sample ID: 480-38452-4
Matrix: Water

Method: 8081A_ASP - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-Chlordane	ND		0.050	0.015	ug/L		05/18/13 09:41	05/20/13 13:45	1
beta-BHC	ND		0.050	0.025	ug/L		05/18/13 09:41	05/20/13 13:45	1
delta-BHC	**0.014**	**J**	0.050	0.010	ug/L		05/18/13 09:41	05/20/13 13:45	1
Dieldrin	ND		0.050	0.0098	ug/L		05/18/13 09:41	05/20/13 13:45	1
Endosulfan I	**0.11**		0.050	0.011	ug/L		05/18/13 09:41	05/20/13 13:45	1
Endosulfan II	ND		0.050	0.012	ug/L		05/18/13 09:41	05/20/13 13:45	1
Endosulfan sulfate	ND		0.050	0.016	ug/L		05/18/13 09:41	05/20/13 13:45	1
Endrin	ND		0.050	0.014	ug/L		05/18/13 09:41	05/20/13 13:45	1
Endrin aldehyde	ND		0.050	0.016	ug/L		05/18/13 09:41	05/20/13 13:45	1
Endrin ketone	ND		0.050	0.012	ug/L		05/18/13 09:41	05/20/13 13:45	1
gamma-BHC (Lindane)	**0.015**	**J**	0.050	0.0060	ug/L		05/18/13 09:41	05/20/13 13:45	1
gamma-Chlordane	**0.013**	**J**	0.050	0.011	ug/L		05/18/13 09:41	05/20/13 13:45	1
Heptachlor	**0.022**	**J**	0.050	0.0085	ug/L		05/18/13 09:41	05/20/13 13:45	1
Heptachlor epoxide	**0.0089**	**J**	0.050	0.0053	ug/L		05/18/13 09:41	05/20/13 13:45	1
Methoxychlor	ND		0.050	0.014	ug/L		05/18/13 09:41	05/20/13 13:45	1
Toxaphene	ND		0.50	0.12	ug/L		05/18/13 09:41	05/20/13 13:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*65*		*20 - 120*	*05/18/13 09:41*	*05/20/13 13:45*	*1*
Tetrachloro-m-xylene	*71*		*36 - 120*	*05/18/13 09:41*	*05/20/13 13:45*	*1*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.41	0.18	ug/L		05/17/13 09:44	05/18/13 16:01	1
PCB-1221	ND		0.41	0.18	ug/L		05/17/13 09:44	05/18/13 16:01	1
PCB-1232	ND		0.41	0.18	ug/L		05/17/13 09:44	05/18/13 16:01	1
PCB-1242	ND		0.41	0.18	ug/L		05/17/13 09:44	05/18/13 16:01	1
PCB-1248	ND		0.41	0.18	ug/L		05/17/13 09:44	05/18/13 16:01	1
PCB-1254	ND		0.41	0.26	ug/L		05/17/13 09:44	05/18/13 16:01	1
PCB-1260	ND		0.41	0.26	ug/L		05/17/13 09:44	05/18/13 16:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*52*		*19 - 126*	*05/17/13 09:44*	*05/18/13 16:01*	*1*
Tetrachloro-m-xylene	*87*		*23 - 127*	*05/17/13 09:44*	*05/18/13 16:01*	*1*

Method: 6010B_ASP - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.14**	**J**	0.20	0.060	mg/L		05/17/13 10:20	05/17/13 19:23	1
Antimony	ND		0.020	0.0068	mg/L		05/17/13 10:20	05/17/13 19:23	1
Arsenic	ND		0.010	0.0056	mg/L		05/17/13 10:20	05/17/13 19:23	1
Barium	**0.038**		0.0020	0.00070	mg/L		05/17/13 10:20	05/17/13 19:23	1
Beryllium	ND		0.0020	0.00030	mg/L		05/17/13 10:20	05/17/13 19:23	1
Cadmium	ND		0.0010	0.00050	mg/L		05/17/13 10:20	05/17/13 19:23	1
Calcium	**84.6**		0.50	0.10	mg/L		05/17/13 10:20	05/17/13 19:23	1
Chromium	**0.0051**		0.0040	0.0010	mg/L		05/17/13 10:20	05/17/13 19:23	1
Cobalt	**0.00082**	**J**	0.0040	0.00063	mg/L		05/17/13 10:20	05/17/13 19:23	1
Copper	ND		0.010	0.0016	mg/L		05/17/13 10:20	05/17/13 19:23	1
Iron	**7.6**		0.050	0.019	mg/L		05/17/13 10:20	05/17/13 19:23	1
Lead	ND		0.0050	0.0030	mg/L		05/17/13 10:20	05/17/13 19:23	1
Magnesium	**0.43**		0.20	0.043	mg/L		05/17/13 10:20	05/17/13 19:23	1

Client Sample ID: S-2

Lab Sample ID: 480-38452-4

Date Collected: 05/16/13 13:45

Matrix: Water

Date Received: 05/16/13 17:00

Method: 6010B_ASP - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	**0.20**	**B**	0.0030	0.00040	mg/L		05/17/13 10:20	05/17/13 19:23	1
Nickel	**0.031**		0.010	0.0013	mg/L		05/17/13 10:20	05/17/13 19:23	1
Potassium	**38.1**		0.50	0.10	mg/L		05/17/13 10:20	05/17/13 19:23	1
Selenium	ND		0.015	0.0087	mg/L		05/17/13 10:20	05/17/13 19:23	1
Silver	ND		0.0030	0.0017	mg/L		05/17/13 10:20	05/17/13 19:23	1
Sodium	**45.4**		1.0	0.32	mg/L		05/17/13 10:20	05/17/13 19:23	1
Thallium	ND		0.020	0.010	mg/L		05/17/13 10:20	05/17/13 19:23	1
Vanadium	**0.0042**	**J**	0.0050	0.0015	mg/L		05/17/13 10:20	05/17/13 19:23	1
Zinc	**0.019**		0.010	0.0015	mg/L		05/17/13 10:20	05/17/13 19:23	1

Method: 7470A_ASP - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		05/17/13 08:30	05/17/13 13:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Cyanide	**0.021**		0.010	0.0050	mg/L		05/20/13 10:49	05/20/13 20:31	1

Client Sample ID: DUP

Lab Sample ID: 480-38452-5

Date Collected: 05/16/13 00:00

Matrix: Water

Date Received: 05/16/13 17:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/18/13 06:06	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/18/13 06:06	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/18/13 06:06	1
1,1-Dichloroethane	**1.9**		1.0	0.38	ug/L			05/18/13 06:06	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/18/13 06:06	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/18/13 06:06	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/18/13 06:06	1
2-Hexanone	ND		5.0	1.2	ug/L			05/18/13 06:06	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/18/13 06:06	1
1,2-Dichloroethene, Total	ND		2.0	0.70	ug/L			05/18/13 06:06	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/18/13 06:06	1
Acetone	ND		10	3.0	ug/L			05/18/13 06:06	1
Benzene	ND		1.0	0.41	ug/L			05/18/13 06:06	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/18/13 06:06	1
Bromoform	ND		1.0	0.26	ug/L			05/18/13 06:06	1
Bromomethane	ND		1.0	0.69	ug/L			05/18/13 06:06	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/18/13 06:06	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/18/13 06:06	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/18/13 06:06	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/18/13 06:06	1
Chloroethane	ND		1.0	0.32	ug/L			05/18/13 06:06	1
Chloroform	ND		1.0	0.34	ug/L			05/18/13 06:06	1
Chloromethane	ND		1.0	0.35	ug/L			05/18/13 06:06	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/18/13 06:06	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/18/13 06:06	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/18/13 06:06	1

Client Sample ID: DUP
Date Collected: 05/16/13 00:00
Date Received: 05/16/13 17:00

Lab Sample ID: 480-38452-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		1.0	0.73	ug/L			05/18/13 06:06	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/18/13 06:06	1
Toluene	ND		1.0	0.51	ug/L			05/18/13 06:06	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/18/13 06:06	1
Trichloroethene	ND		1.0	0.46	ug/L			05/18/13 06:06	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/18/13 06:06	1
Xylenes, Total	**0.68**	**J**	2.0	0.66	ug/L			05/18/13 06:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*66 - 137*		*05/18/13 06:06*	*1*
Toluene-d8 (Surr)	*101*		*71 - 126*		*05/18/13 06:06*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*05/18/13 06:06*	*1*

Method: 8270C_ASP - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		05/17/13 06:30	05/29/13 01:34	1
1,2,4-Trichlorobenzene	ND		10	0.44	ug/L		05/17/13 06:30	05/29/13 01:34	1
2,4,5-Trichlorophenol	**0.48**	**J**	5.0	0.48	ug/L		05/17/13 06:30	05/29/13 01:34	1
1,2-Dichlorobenzene	ND		10	0.40	ug/L		05/17/13 06:30	05/29/13 01:34	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		05/17/13 06:30	05/29/13 01:34	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		05/17/13 06:30	05/29/13 01:34	1
2,4-Dimethylphenol	**8.2**		5.0	0.50	ug/L		05/17/13 06:30	05/29/13 01:34	1
1,3-Dichlorobenzene	ND		10	0.48	ug/L		05/17/13 06:30	05/29/13 01:34	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		05/17/13 06:30	05/29/13 01:34	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		05/17/13 06:30	05/29/13 01:34	1
1,4-Dichlorobenzene	ND		10	0.46	ug/L		05/17/13 06:30	05/29/13 01:34	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		05/17/13 06:30	05/29/13 01:34	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		05/17/13 06:30	05/29/13 01:34	1
2-Chlorophenol	ND		5.0	0.53	ug/L		05/17/13 06:30	05/29/13 01:34	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		05/17/13 06:30	05/29/13 01:34	1
2-Methylphenol	**1.4**	**J**	5.0	0.40	ug/L		05/17/13 06:30	05/29/13 01:34	1
2-Nitroaniline	ND		10	0.42	ug/L		05/17/13 06:30	05/29/13 01:34	1
2-Nitrophenol	ND		5.0	0.48	ug/L		05/17/13 06:30	05/29/13 01:34	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		05/17/13 06:30	05/29/13 01:34	1
3-Nitroaniline	ND	*	10	0.48	ug/L		05/17/13 06:30	05/29/13 01:34	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		05/17/13 06:30	05/29/13 01:34	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		05/17/13 06:30	05/29/13 01:34	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		05/17/13 06:30	05/29/13 01:34	1
4-Chloroaniline	ND		5.0	0.59	ug/L		05/17/13 06:30	05/29/13 01:34	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		05/17/13 06:30	05/29/13 01:34	1
4-Methylphenol	**1.8**	**J**	10	0.36	ug/L		05/17/13 06:30	05/29/13 01:34	1
4-Nitroaniline	ND		10	0.25	ug/L		05/17/13 06:30	05/29/13 01:34	1
4-Nitrophenol	ND		10	1.5	ug/L		05/17/13 06:30	05/29/13 01:34	1
Acenaphthene	ND		5.0	0.41	ug/L		05/17/13 06:30	05/29/13 01:34	1
Acenaphthylene	ND		5.0	0.38	ug/L		05/17/13 06:30	05/29/13 01:34	1
Anthracene	ND		5.0	0.28	ug/L		05/17/13 06:30	05/29/13 01:34	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		05/17/13 06:30	05/29/13 01:34	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		05/17/13 06:30	05/29/13 01:34	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		05/17/13 06:30	05/29/13 01:34	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		05/17/13 06:30	05/29/13 01:34	1

Client Sample ID: DUP
Date Collected: 05/16/13 00:00
Date Received: 05/16/13 17:00

Lab Sample ID: 480-38452-5
Matrix: Water

Method: 8270C_ASP - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		05/17/13 06:30	05/29/13 01:34	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		05/17/13 06:30	05/29/13 01:34	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		05/17/13 06:30	05/29/13 01:34	1
Bis(2-ethylhexyl) phthalate	ND		5.0	1.8	ug/L		05/17/13 06:30	05/29/13 01:34	1
Butyl benzyl phthalate	ND		5.0	0.42	ug/L		05/17/13 06:30	05/29/13 01:34	1
Carbazole	ND		5.0	0.30	ug/L		05/17/13 06:30	05/29/13 01:34	1
Chrysene	ND		5.0	0.33	ug/L		05/17/13 06:30	05/29/13 01:34	1
Di-n-butyl phthalate	**0.78**	**J**	5.0	0.31	ug/L		05/17/13 06:30	05/29/13 01:34	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		05/17/13 06:30	05/29/13 01:34	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		05/17/13 06:30	05/29/13 01:34	1
Dibenzofuran	ND		10	0.51	ug/L		05/17/13 06:30	05/29/13 01:34	1
Diethyl phthalate	ND		5.0	0.22	ug/L		05/17/13 06:30	05/29/13 01:34	1
Dimethyl phthalate	**2.5**	**J**	5.0	0.36	ug/L		05/17/13 06:30	05/29/13 01:34	1
Fluoranthene	ND		5.0	0.40	ug/L		05/17/13 06:30	05/29/13 01:34	1
Fluorene	ND		5.0	0.36	ug/L		05/17/13 06:30	05/29/13 01:34	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		05/17/13 06:30	05/29/13 01:34	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		05/17/13 06:30	05/29/13 01:34	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		05/17/13 06:30	05/29/13 01:34	1
Hexachloroethane	ND		5.0	0.59	ug/L		05/17/13 06:30	05/29/13 01:34	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		05/17/13 06:30	05/29/13 01:34	1
Isophorone	ND		5.0	0.43	ug/L		05/17/13 06:30	05/29/13 01:34	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		05/17/13 06:30	05/29/13 01:34	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		05/17/13 06:30	05/29/13 01:34	1
Naphthalene	**1.2**	**J**	5.0	0.76	ug/L		05/17/13 06:30	05/29/13 01:34	1
Nitrobenzene	ND		5.0	0.29	ug/L		05/17/13 06:30	05/29/13 01:34	1
Pentachlorophenol	ND		10	2.2	ug/L		05/17/13 06:30	05/29/13 01:34	1
Phenanthrene	**0.68**	**J**	5.0	0.44	ug/L		05/17/13 06:30	05/29/13 01:34	1
Phenol	ND		5.0	0.39	ug/L		05/17/13 06:30	05/29/13 01:34	1
Pyrene	ND		5.0	0.34	ug/L		05/17/13 06:30	05/29/13 01:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*91*		*39 - 146*	*05/17/13 06:30*	*05/29/13 01:34*	*1*
2-Fluorobiphenyl	*77*		*37 - 120*	*05/17/13 06:30*	*05/29/13 01:34*	*1*
2-Fluorophenol	*58*		*18 - 120*	*05/17/13 06:30*	*05/29/13 01:34*	*1*
Nitrobenzene-d5	*79*		*34 - 132*	*05/17/13 06:30*	*05/29/13 01:34*	*1*
p-Terphenyl-d14	*94*		*58 - 147*	*05/17/13 06:30*	*05/29/13 01:34*	*1*
Phenol-d5	*43*		*11 - 120*	*05/17/13 06:30*	*05/29/13 01:34*	*1*

Method: 8081A_ASP - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	**0.015**	**J B**	0.052	0.0097	ug/L		05/18/13 09:41	05/20/13 14:02	1
4,4'-DDE	**0.021**	**J**	0.052	0.012	ug/L		05/18/13 09:41	05/20/13 14:02	1
4,4'-DDT	**0.020**	**J**	0.052	0.012	ug/L		05/18/13 09:41	05/20/13 14:02	1
Aldrin	ND		0.052	0.0069	ug/L		05/18/13 09:41	05/20/13 14:02	1
alpha-BHC	ND		0.052	0.0069	ug/L		05/18/13 09:41	05/20/13 14:02	1
alpha-Chlordane	ND		0.052	0.016	ug/L		05/18/13 09:41	05/20/13 14:02	1
beta-BHC	ND		0.052	0.026	ug/L		05/18/13 09:41	05/20/13 14:02	1
delta-BHC	ND		0.052	0.010	ug/L		05/18/13 09:41	05/20/13 14:02	1
Dieldrin	ND		0.052	0.010	ug/L		05/18/13 09:41	05/20/13 14:02	1
Endosulfan I	ND		0.052	0.012	ug/L		05/18/13 09:41	05/20/13 14:02	1

Client Sample ID: DUP
Date Collected: 05/16/13 00:00
Date Received: 05/16/13 17:00

Lab Sample ID: 480-38452-5
Matrix: Water

Method: 8081A_ASP - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan II	ND		0.052	0.013	ug/L		05/18/13 09:41	05/20/13 14:02	1
Endosulfan sulfate	ND		0.052	0.016	ug/L		05/18/13 09:41	05/20/13 14:02	1
Endrin	ND		0.052	0.014	ug/L		05/18/13 09:41	05/20/13 14:02	1
Endrin aldehyde	ND		0.052	0.017	ug/L		05/18/13 09:41	05/20/13 14:02	1
Endrin ketone	ND		0.052	0.013	ug/L		05/18/13 09:41	05/20/13 14:02	1
gamma-BHC (Lindane)	**0.014**	**J**	0.052	0.0063	ug/L		05/18/13 09:41	05/20/13 14:02	1
gamma-Chlordane	**0.013**	**J**	0.052	0.012	ug/L		05/18/13 09:41	05/20/13 14:02	1
Heptachlor	**0.012**	**J**	0.052	0.0089	ug/L		05/18/13 09:41	05/20/13 14:02	1
Heptachlor epoxide	ND		0.052	0.0056	ug/L		05/18/13 09:41	05/20/13 14:02	1
Methoxychlor	ND		0.052	0.015	ug/L		05/18/13 09:41	05/20/13 14:02	1
Toxaphene	ND		0.52	0.13	ug/L		05/18/13 09:41	05/20/13 14:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*65*		*20 - 120*	*05/18/13 09:41*	*05/20/13 14:02*	*1*
Tetrachloro-m-xylene	*69*		*36 - 120*	*05/18/13 09:41*	*05/20/13 14:02*	*1*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.42	0.19	ug/L		05/17/13 09:44	05/18/13 16:17	1
PCB-1221	ND		0.42	0.19	ug/L		05/17/13 09:44	05/18/13 16:17	1
PCB-1232	ND		0.42	0.19	ug/L		05/17/13 09:44	05/18/13 16:17	1
PCB-1242	ND		0.42	0.19	ug/L		05/17/13 09:44	05/18/13 16:17	1
PCB-1248	ND		0.42	0.19	ug/L		05/17/13 09:44	05/18/13 16:17	1
PCB-1254	ND		0.42	0.26	ug/L		05/17/13 09:44	05/18/13 16:17	1
PCB-1260	ND		0.42	0.26	ug/L		05/17/13 09:44	05/18/13 16:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*76*		*19 - 126*	*05/17/13 09:44*	*05/18/13 16:17*	*1*
Tetrachloro-m-xylene	*89*		*23 - 127*	*05/17/13 09:44*	*05/18/13 16:17*	*1*

Method: 6010B_ASP - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.29**		0.20	0.060	mg/L		05/17/13 10:20	05/17/13 19:25	1
Antimony	ND		0.020	0.0068	mg/L		05/17/13 10:20	05/17/13 19:25	1
Arsenic	ND		0.010	0.0056	mg/L		05/17/13 10:20	05/17/13 19:25	1
Barium	**0.031**		0.0020	0.00070	mg/L		05/17/13 10:20	05/17/13 19:25	1
Beryllium	ND		0.0020	0.00030	mg/L		05/17/13 10:20	05/17/13 19:25	1
Cadmium	ND		0.0010	0.00050	mg/L		05/17/13 10:20	05/17/13 19:25	1
Calcium	**55.4**		0.50	0.10	mg/L		05/17/13 10:20	05/17/13 19:25	1
Chromium	**0.0020**	**J**	0.0040	0.0010	mg/L		05/17/13 10:20	05/17/13 19:25	1
Cobalt	ND		0.0040	0.00063	mg/L		05/17/13 10:20	05/17/13 19:25	1
Copper	ND		0.010	0.0016	mg/L		05/17/13 10:20	05/17/13 19:25	1
Iron	**0.063**		0.050	0.019	mg/L		05/17/13 10:20	05/17/13 19:25	1
Lead	ND		0.0050	0.0030	mg/L		05/17/13 10:20	05/17/13 19:25	1
Magnesium	**0.23**		0.20	0.043	mg/L		05/17/13 10:20	05/17/13 19:25	1
Manganese	**0.00083**	**J B**	0.0030	0.00040	mg/L		05/17/13 10:20	05/17/13 19:25	1
Nickel	ND		0.010	0.0013	mg/L		05/17/13 10:20	05/17/13 19:25	1
Potassium	**41.4**		0.50	0.10	mg/L		05/17/13 10:20	05/17/13 19:25	1
Selenium	ND		0.015	0.0087	mg/L		05/17/13 10:20	05/17/13 19:25	1
Silver	ND		0.0030	0.0017	mg/L		05/17/13 10:20	05/17/13 19:25	1

Client Sample ID: DUP

Lab Sample ID: 480-38452-5

Date Collected: 05/16/13 00:00

Matrix: Water

Date Received: 05/16/13 17:00

Method: 6010B_ASP - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**51.7**		1.0	0.32	mg/L		05/17/13 10:20	05/17/13 19:25	1
Thallium	ND		0.020	0.010	mg/L		05/17/13 10:20	05/17/13 19:25	1
Vanadium	**0.032**		0.0050	0.0015	mg/L		05/17/13 10:20	05/17/13 19:25	1
Zinc	**0.0016**	**J**	0.010	0.0015	mg/L		05/17/13 10:20	05/17/13 19:25	1

Method: 7470A_ASP - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		05/17/13 08:30	05/17/13 13:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Cyanide	**0.054**		0.010	0.0050	mg/L		05/20/13 10:49	05/20/13 20:32	1

Client Sample ID: RW-4

Lab Sample ID: 480-38452-6

Date Collected: 05/16/13 09:30

Matrix: Water

Date Received: 05/16/13 17:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/18/13 06:34	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/18/13 06:34	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/18/13 06:34	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/18/13 06:34	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/18/13 06:34	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/18/13 06:34	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/18/13 06:34	1
2-Hexanone	ND		5.0	1.2	ug/L			05/18/13 06:34	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/18/13 06:34	1
1,2-Dichloroethene, Total	ND		2.0	0.70	ug/L			05/18/13 06:34	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/18/13 06:34	1
Acetone	ND		10	3.0	ug/L			05/18/13 06:34	1
Benzene	**13**		1.0	0.41	ug/L			05/18/13 06:34	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/18/13 06:34	1
Bromoform	ND		1.0	0.26	ug/L			05/18/13 06:34	1
Bromomethane	ND		1.0	0.69	ug/L			05/18/13 06:34	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/18/13 06:34	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/18/13 06:34	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/18/13 06:34	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/18/13 06:34	1
Chloroethane	ND		1.0	0.32	ug/L			05/18/13 06:34	1
Chloroform	ND		1.0	0.34	ug/L			05/18/13 06:34	1
Chloromethane	ND		1.0	0.35	ug/L			05/18/13 06:34	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/18/13 06:34	1
Ethylbenzene	**5.7**		1.0	0.74	ug/L			05/18/13 06:34	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/18/13 06:34	1
Styrene	ND		1.0	0.73	ug/L			05/18/13 06:34	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/18/13 06:34	1
Toluene	ND		1.0	0.51	ug/L			05/18/13 06:34	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/18/13 06:34	1
Trichloroethene	ND		1.0	0.46	ug/L			05/18/13 06:34	1

Client Sample ID: RW-4
Date Collected: 05/16/13 09:30
Date Received: 05/16/13 17:00

Lab Sample ID: 480-38452-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		1.0	0.90	ug/L			05/18/13 06:34	1
Xylenes, Total	**4.4**		2.0	0.66	ug/L			05/18/13 06:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*66 - 137*		*05/18/13 06:34*	*1*
Toluene-d8 (Surr)	*101*		*71 - 126*		*05/18/13 06:34*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*05/18/13 06:34*	*1*

Method: 8270C_ASP - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
bis (2-chloroisopropyl) ether	ND		4.7	0.49	ug/L		05/17/13 06:30	05/29/13 02:02	1
1,2,4-Trichlorobenzene	ND		9.5	0.42	ug/L		05/17/13 06:30	05/29/13 02:02	1
2,4,5-Trichlorophenol	ND		4.7	0.46	ug/L		05/17/13 06:30	05/29/13 02:02	1
1,2-Dichlorobenzene	ND		9.5	0.38	ug/L		05/17/13 06:30	05/29/13 02:02	1
2,4,6-Trichlorophenol	ND		4.7	0.58	ug/L		05/17/13 06:30	05/29/13 02:02	1
2,4-Dichlorophenol	ND		4.7	0.48	ug/L		05/17/13 06:30	05/29/13 02:02	1
2,4-Dimethylphenol	ND		4.7	0.47	ug/L		05/17/13 06:30	05/29/13 02:02	1
1,3-Dichlorobenzene	ND		9.5	0.46	ug/L		05/17/13 06:30	05/29/13 02:02	1
2,4-Dinitrophenol	ND		9.5	2.1	ug/L		05/17/13 06:30	05/29/13 02:02	1
2,4-Dinitrotoluene	ND		4.7	0.42	ug/L		05/17/13 06:30	05/29/13 02:02	1
1,4-Dichlorobenzene	ND		9.5	0.44	ug/L		05/17/13 06:30	05/29/13 02:02	1
2,6-Dinitrotoluene	ND		4.7	0.38	ug/L		05/17/13 06:30	05/29/13 02:02	1
2-Chloronaphthalene	ND		4.7	0.44	ug/L		05/17/13 06:30	05/29/13 02:02	1
2-Chlorophenol	ND		4.7	0.50	ug/L		05/17/13 06:30	05/29/13 02:02	1
2-Methylnaphthalene	ND		4.7	0.57	ug/L		05/17/13 06:30	05/29/13 02:02	1
2-Methylphenol	ND		4.7	0.38	ug/L		05/17/13 06:30	05/29/13 02:02	1
2-Nitroaniline	ND		9.5	0.40	ug/L		05/17/13 06:30	05/29/13 02:02	1
2-Nitrophenol	ND		4.7	0.46	ug/L		05/17/13 06:30	05/29/13 02:02	1
3,3'-Dichlorobenzidine	ND		4.7	0.38	ug/L		05/17/13 06:30	05/29/13 02:02	1
3-Nitroaniline	ND	*	9.5	0.46	ug/L		05/17/13 06:30	05/29/13 02:02	1
4,6-Dinitro-2-methylphenol	ND		9.5	2.1	ug/L		05/17/13 06:30	05/29/13 02:02	1
4-Bromophenyl phenyl ether	ND		4.7	0.43	ug/L		05/17/13 06:30	05/29/13 02:02	1
4-Chloro-3-methylphenol	ND		4.7	0.43	ug/L		05/17/13 06:30	05/29/13 02:02	1
4-Chloroaniline	ND		4.7	0.56	ug/L		05/17/13 06:30	05/29/13 02:02	1
4-Chlorophenyl phenyl ether	ND		4.7	0.33	ug/L		05/17/13 06:30	05/29/13 02:02	1
4-Methylphenol	ND		9.5	0.34	ug/L		05/17/13 06:30	05/29/13 02:02	1
4-Nitroaniline	ND		9.5	0.24	ug/L		05/17/13 06:30	05/29/13 02:02	1
4-Nitrophenol	ND		9.5	1.4	ug/L		05/17/13 06:30	05/29/13 02:02	1
Acenaphthene	ND		4.7	0.39	ug/L		05/17/13 06:30	05/29/13 02:02	1
Acenaphthylene	**0.49**	**J**	4.7	0.36	ug/L		05/17/13 06:30	05/29/13 02:02	1
Anthracene	ND		4.7	0.27	ug/L		05/17/13 06:30	05/29/13 02:02	1
Benzo[a]anthracene	ND		4.7	0.34	ug/L		05/17/13 06:30	05/29/13 02:02	1
Benzo[a]pyrene	ND		4.7	0.45	ug/L		05/17/13 06:30	05/29/13 02:02	1
Benzo[b]fluoranthene	ND		4.7	0.32	ug/L		05/17/13 06:30	05/29/13 02:02	1
Benzo[g,h,i]perylene	ND		4.7	0.33	ug/L		05/17/13 06:30	05/29/13 02:02	1
Benzo[k]fluoranthene	ND		4.7	0.69	ug/L		05/17/13 06:30	05/29/13 02:02	1
Bis(2-chloroethoxy)methane	ND		4.7	0.33	ug/L		05/17/13 06:30	05/29/13 02:02	1
Bis(2-chloroethyl)ether	ND		4.7	0.38	ug/L		05/17/13 06:30	05/29/13 02:02	1
Bis(2-ethylhexyl) phthalate	ND		4.7	1.7	ug/L		05/17/13 06:30	05/29/13 02:02	1
Butyl benzyl phthalate	ND		4.7	0.40	ug/L		05/17/13 06:30	05/29/13 02:02	1

Client: Groundwater & Environmental Services Inc
Project/Site: Cherry Farms Annual GW Sample

TestAmerica Job ID: 480-38452-1

Client Sample ID: RW-4
Date Collected: 05/16/13 09:30
Date Received: 05/16/13 17:00

Lab Sample ID: 480-38452-6
Matrix: Water

Method: 8270C_ASP - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbazole	ND		4.7	0.28	ug/L		05/17/13 06:30	05/29/13 02:02	1
Chrysene	ND		4.7	0.31	ug/L		05/17/13 06:30	05/29/13 02:02	1
Di-n-butyl phthalate	**0.29**	**J**	4.7	0.29	ug/L		05/17/13 06:30	05/29/13 02:02	1
Di-n-octyl phthalate	ND		4.7	0.45	ug/L		05/17/13 06:30	05/29/13 02:02	1
Dibenz(a,h)anthracene	ND		4.7	0.40	ug/L		05/17/13 06:30	05/29/13 02:02	1
Dibenzofuran	ND		9.5	0.48	ug/L		05/17/13 06:30	05/29/13 02:02	1
Diethyl phthalate	ND		4.7	0.21	ug/L		05/17/13 06:30	05/29/13 02:02	1
Dimethyl phthalate	ND		4.7	0.34	ug/L		05/17/13 06:30	05/29/13 02:02	1
Fluoranthene	ND		4.7	0.38	ug/L		05/17/13 06:30	05/29/13 02:02	1
Fluorene	ND		4.7	0.34	ug/L		05/17/13 06:30	05/29/13 02:02	1
Hexachlorobenzene	ND		4.7	0.48	ug/L		05/17/13 06:30	05/29/13 02:02	1
Hexachlorobutadiene	ND		4.7	0.64	ug/L		05/17/13 06:30	05/29/13 02:02	1
Hexachlorocyclopentadiene	ND		4.7	0.56	ug/L		05/17/13 06:30	05/29/13 02:02	1
Hexachloroethane	ND		4.7	0.56	ug/L		05/17/13 06:30	05/29/13 02:02	1
Indeno[1,2,3-cd]pyrene	ND		4.7	0.45	ug/L		05/17/13 06:30	05/29/13 02:02	1
Isophorone	ND		4.7	0.41	ug/L		05/17/13 06:30	05/29/13 02:02	1
N-Nitrosodi-n-propylamine	ND		4.7	0.51	ug/L		05/17/13 06:30	05/29/13 02:02	1
N-Nitrosodiphenylamine	ND		4.7	0.48	ug/L		05/17/13 06:30	05/29/13 02:02	1
Naphthalene	ND		4.7	0.72	ug/L		05/17/13 06:30	05/29/13 02:02	1
Nitrobenzene	ND		4.7	0.28	ug/L		05/17/13 06:30	05/29/13 02:02	1
Pentachlorophenol	ND		9.5	2.1	ug/L		05/17/13 06:30	05/29/13 02:02	1
Phenanthrene	ND		4.7	0.42	ug/L		05/17/13 06:30	05/29/13 02:02	1
Phenol	**0.57**	**J**	4.7	0.37	ug/L		05/17/13 06:30	05/29/13 02:02	1
Pyrene	ND		4.7	0.32	ug/L		05/17/13 06:30	05/29/13 02:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*86*		*39 - 146*	*05/17/13 06:30*	*05/29/13 02:02*	*1*
2-Fluorobiphenyl	*68*		*37 - 120*	*05/17/13 06:30*	*05/29/13 02:02*	*1*
2-Fluorophenol	*53*		*18 - 120*	*05/17/13 06:30*	*05/29/13 02:02*	*1*
Nitrobenzene-d5	*66*		*34 - 132*	*05/17/13 06:30*	*05/29/13 02:02*	*1*
p-Terphenyl-d14	*89*		*58 - 147*	*05/17/13 06:30*	*05/29/13 02:02*	*1*
Phenol-d5	*43*		*11 - 120*	*05/17/13 06:30*	*05/29/13 02:02*	*1*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.39	0.17	ug/L		05/17/13 09:44	05/18/13 16:33	1
PCB-1221	ND		0.39	0.17	ug/L		05/17/13 09:44	05/18/13 16:33	1
PCB-1232	ND		0.39	0.17	ug/L		05/17/13 09:44	05/18/13 16:33	1
PCB-1242	ND		0.39	0.17	ug/L		05/17/13 09:44	05/18/13 16:33	1
PCB-1248	ND		0.39	0.17	ug/L		05/17/13 09:44	05/18/13 16:33	1
PCB-1254	ND		0.39	0.24	ug/L		05/17/13 09:44	05/18/13 16:33	1
PCB-1260	ND		0.39	0.24	ug/L		05/17/13 09:44	05/18/13 16:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*66*		*19 - 126*	*05/17/13 09:44*	*05/18/13 16:33*	*1*
Tetrachloro-m-xylene	*90*		*23 - 127*	*05/17/13 09:44*	*05/18/13 16:33*	*1*

Client: Groundwater & Environmental Services Inc
Project/Site: Cherry Farms Annual GW Sample

TestAmerica Job ID: 480-38452-1

Client Sample ID: RW-5
Date Collected: 05/16/13 10:30
Date Received: 05/16/13 17:00

Lab Sample ID: 480-38452-7
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/18/13 07:02	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/18/13 07:02	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/18/13 07:02	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/18/13 07:02	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/18/13 07:02	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/18/13 07:02	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/18/13 07:02	1
2-Hexanone	ND		5.0	1.2	ug/L			05/18/13 07:02	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/18/13 07:02	1
1,2-Dichloroethene, Total	ND		2.0	0.70	ug/L			05/18/13 07:02	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/18/13 07:02	1
Acetone	ND		10	3.0	ug/L			05/18/13 07:02	1
Benzene	ND		1.0	0.41	ug/L			05/18/13 07:02	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/18/13 07:02	1
Bromoform	ND		1.0	0.26	ug/L			05/18/13 07:02	1
Bromomethane	ND		1.0	0.69	ug/L			05/18/13 07:02	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/18/13 07:02	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/18/13 07:02	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/18/13 07:02	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/18/13 07:02	1
Chloroethane	ND		1.0	0.32	ug/L			05/18/13 07:02	1
Chloroform	ND		1.0	0.34	ug/L			05/18/13 07:02	1
Chloromethane	ND		1.0	0.35	ug/L			05/18/13 07:02	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/18/13 07:02	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/18/13 07:02	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/18/13 07:02	1
Styrene	ND		1.0	0.73	ug/L			05/18/13 07:02	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/18/13 07:02	1
Toluene	ND		1.0	0.51	ug/L			05/18/13 07:02	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/18/13 07:02	1
Trichloroethene	ND		1.0	0.46	ug/L			05/18/13 07:02	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/18/13 07:02	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/18/13 07:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*66 - 137*		*05/18/13 07:02*	*1*
Toluene-d8 (Surr)	*100*		*71 - 126*		*05/18/13 07:02*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*05/18/13 07:02*	*1*

Method: 8270C_ASP - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
bis (2-chloroisopropyl) ether	ND		4.8	0.50	ug/L		05/17/13 06:30	05/29/13 02:29	1
1,2,4-Trichlorobenzene	ND		9.7	0.43	ug/L		05/17/13 06:30	05/29/13 02:29	1
2,4,5-Trichlorophenol	ND		4.8	0.46	ug/L		05/17/13 06:30	05/29/13 02:29	1
1,2-Dichlorobenzene	ND		9.7	0.39	ug/L		05/17/13 06:30	05/29/13 02:29	1
2,4,6-Trichlorophenol	ND		4.8	0.59	ug/L		05/17/13 06:30	05/29/13 02:29	1
2,4-Dichlorophenol	ND		4.8	0.49	ug/L		05/17/13 06:30	05/29/13 02:29	1
2,4-Dimethylphenol	ND		4.8	0.48	ug/L		05/17/13 06:30	05/29/13 02:29	1
1,3-Dichlorobenzene	ND		9.7	0.46	ug/L		05/17/13 06:30	05/29/13 02:29	1
2,4-Dinitrophenol	ND		9.7	2.1	ug/L		05/17/13 06:30	05/29/13 02:29	1

Client: Groundwater & Environmental Services Inc
Project/Site: Cherry Farms Annual GW Sample

TestAmerica Job ID: 480-38452-1

Client Sample ID: RW-5
Date Collected: 05/16/13 10:30
Date Received: 05/16/13 17:00

Lab Sample ID: 480-38452-7
Matrix: Water

Method: 8270C_ASP - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	ND		4.8	0.43	ug/L		05/17/13 06:30	05/29/13 02:29	1
1,4-Dichlorobenzene	ND		9.7	0.44	ug/L		05/17/13 06:30	05/29/13 02:29	1
2,6-Dinitrotoluene	ND		4.8	0.39	ug/L		05/17/13 06:30	05/29/13 02:29	1
2-Chloronaphthalene	ND		4.8	0.44	ug/L		05/17/13 06:30	05/29/13 02:29	1
2-Chlorophenol	ND		4.8	0.51	ug/L		05/17/13 06:30	05/29/13 02:29	1
2-Methylnaphthalene	ND		4.8	0.58	ug/L		05/17/13 06:30	05/29/13 02:29	1
2-Methylphenol	ND		4.8	0.39	ug/L		05/17/13 06:30	05/29/13 02:29	1
2-Nitroaniline	ND		9.7	0.41	ug/L		05/17/13 06:30	05/29/13 02:29	1
2-Nitrophenol	ND		4.8	0.46	ug/L		05/17/13 06:30	05/29/13 02:29	1
3,3'-Dichlorobenzidine	ND		4.8	0.39	ug/L		05/17/13 06:30	05/29/13 02:29	1
3-Nitroaniline	ND	*	9.7	0.46	ug/L		05/17/13 06:30	05/29/13 02:29	1
4,6-Dinitro-2-methylphenol	ND		9.7	2.1	ug/L		05/17/13 06:30	05/29/13 02:29	1
4-Bromophenyl phenyl ether	ND		4.8	0.44	ug/L		05/17/13 06:30	05/29/13 02:29	1
4-Chloro-3-methylphenol	ND		4.8	0.44	ug/L		05/17/13 06:30	05/29/13 02:29	1
4-Chloroaniline	ND		4.8	0.57	ug/L		05/17/13 06:30	05/29/13 02:29	1
4-Chlorophenyl phenyl ether	ND		4.8	0.34	ug/L		05/17/13 06:30	05/29/13 02:29	1
4-Methylphenol	ND		9.7	0.35	ug/L		05/17/13 06:30	05/29/13 02:29	1
4-Nitroaniline	ND		9.7	0.24	ug/L		05/17/13 06:30	05/29/13 02:29	1
4-Nitrophenol	ND		9.7	1.5	ug/L		05/17/13 06:30	05/29/13 02:29	1
Acenaphthene	ND		4.8	0.40	ug/L		05/17/13 06:30	05/29/13 02:29	1
Acenaphthylene	ND		4.8	0.37	ug/L		05/17/13 06:30	05/29/13 02:29	1
Anthracene	ND		4.8	0.27	ug/L		05/17/13 06:30	05/29/13 02:29	1
Benzo[a]anthracene	ND		4.8	0.35	ug/L		05/17/13 06:30	05/29/13 02:29	1
Benzo[a]pyrene	ND		4.8	0.45	ug/L		05/17/13 06:30	05/29/13 02:29	1
Benzo[b]fluoranthene	ND		4.8	0.33	ug/L		05/17/13 06:30	05/29/13 02:29	1
Benzo[g,h,i]perylene	ND		4.8	0.34	ug/L		05/17/13 06:30	05/29/13 02:29	1
Benzo[k]fluoranthene	ND		4.8	0.71	ug/L		05/17/13 06:30	05/29/13 02:29	1
Bis(2-chloroethoxy)methane	ND		4.8	0.34	ug/L		05/17/13 06:30	05/29/13 02:29	1
Bis(2-chloroethyl)ether	ND		4.8	0.39	ug/L		05/17/13 06:30	05/29/13 02:29	1
Bis(2-ethylhexyl) phthalate	ND		4.8	1.7	ug/L		05/17/13 06:30	05/29/13 02:29	1
Butyl benzyl phthalate	ND		4.8	0.41	ug/L		05/17/13 06:30	05/29/13 02:29	1
Carbazole	ND		4.8	0.29	ug/L		05/17/13 06:30	05/29/13 02:29	1
Chrysene	ND		4.8	0.32	ug/L		05/17/13 06:30	05/29/13 02:29	1
Di-n-butyl phthalate	**0.41**	**J**	4.8	0.30	ug/L		05/17/13 06:30	05/29/13 02:29	1
Di-n-octyl phthalate	ND		4.8	0.45	ug/L		05/17/13 06:30	05/29/13 02:29	1
Dibenz(a,h)anthracene	ND		4.8	0.41	ug/L		05/17/13 06:30	05/29/13 02:29	1
Dibenzofuran	ND		9.7	0.49	ug/L		05/17/13 06:30	05/29/13 02:29	1
Diethyl phthalate	ND		4.8	0.21	ug/L		05/17/13 06:30	05/29/13 02:29	1
Dimethyl phthalate	ND		4.8	0.35	ug/L		05/17/13 06:30	05/29/13 02:29	1
Fluoranthene	ND		4.8	0.39	ug/L		05/17/13 06:30	05/29/13 02:29	1
Fluorene	ND		4.8	0.35	ug/L		05/17/13 06:30	05/29/13 02:29	1
Hexachlorobenzene	ND		4.8	0.49	ug/L		05/17/13 06:30	05/29/13 02:29	1
Hexachlorobutadiene	ND		4.8	0.66	ug/L		05/17/13 06:30	05/29/13 02:29	1
Hexachlorocyclopentadiene	ND		4.8	0.57	ug/L		05/17/13 06:30	05/29/13 02:29	1
Hexachloroethane	ND		4.8	0.57	ug/L		05/17/13 06:30	05/29/13 02:29	1
Indeno[1,2,3-cd]pyrene	ND		4.8	0.45	ug/L		05/17/13 06:30	05/29/13 02:29	1
Isophorone	ND		4.8	0.42	ug/L		05/17/13 06:30	05/29/13 02:29	1
N-Nitrosodi-n-propylamine	ND		4.8	0.52	ug/L		05/17/13 06:30	05/29/13 02:29	1
N-Nitrosodiphenylamine	ND		4.8	0.49	ug/L		05/17/13 06:30	05/29/13 02:29	1

Client: Groundwater & Environmental Services Inc
Project/Site: Cherry Farms Annual GW Sample

TestAmerica Job ID: 480-38452-1

Client Sample ID: RW-5
Date Collected: 05/16/13 10:30
Date Received: 05/16/13 17:00

Lab Sample ID: 480-38452-7
Matrix: Water

Method: 8270C_ASP - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		4.8	0.73	ug/L		05/17/13 06:30	05/29/13 02:29	1
Nitrobenzene	ND		4.8	0.28	ug/L		05/17/13 06:30	05/29/13 02:29	1
Pentachlorophenol	ND		9.7	2.1	ug/L		05/17/13 06:30	05/29/13 02:29	1
Phenanthrene	ND		4.8	0.43	ug/L		05/17/13 06:30	05/29/13 02:29	1
Phenol	ND		4.8	0.38	ug/L		05/17/13 06:30	05/29/13 02:29	1
Pyrene	ND		4.8	0.33	ug/L		05/17/13 06:30	05/29/13 02:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*79*		*39 - 146*	*05/17/13 06:30*	*05/29/13 02:29*	*1*
2-Fluorobiphenyl	*61*		*37 - 120*	*05/17/13 06:30*	*05/29/13 02:29*	*1*
2-Fluorophenol	*43*		*18 - 120*	*05/17/13 06:30*	*05/29/13 02:29*	*1*
Nitrobenzene-d5	*60*		*34 - 132*	*05/17/13 06:30*	*05/29/13 02:29*	*1*
p-Terphenyl-d14	*92*		*58 - 147*	*05/17/13 06:30*	*05/29/13 02:29*	*1*
Phenol-d5	*33*		*11 - 120*	*05/17/13 06:30*	*05/29/13 02:29*	*1*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.39	0.17	ug/L		05/17/13 09:44	05/18/13 16:49	1
PCB-1221	ND		0.39	0.17	ug/L		05/17/13 09:44	05/18/13 16:49	1
PCB-1232	ND		0.39	0.17	ug/L		05/17/13 09:44	05/18/13 16:49	1
PCB-1242	ND		0.39	0.17	ug/L		05/17/13 09:44	05/18/13 16:49	1
PCB-1248	ND		0.39	0.17	ug/L		05/17/13 09:44	05/18/13 16:49	1
PCB-1254	ND		0.39	0.24	ug/L		05/17/13 09:44	05/18/13 16:49	1
PCB-1260	ND		0.39	0.24	ug/L		05/17/13 09:44	05/18/13 16:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*76*		*19 - 126*	*05/17/13 09:44*	*05/18/13 16:49*	*1*
Tetrachloro-m-xylene	*95*		*23 - 127*	*05/17/13 09:44*	*05/18/13 16:49*	*1*

Surrogate Summary

Client: Groundwater & Environmental Services Inc
Project/Site: Cherry Farms Annual GW Sample

TestAmerica Job ID: 480-38452-1

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

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

		Percent Surrogate Recovery (Acceptance Limits)		
		12DCE	TOL	BFB
Lab Sample ID	Client Sample ID	(66-137)	(71-126)	(73-120)
480-38452-1	S-3	107	101	95
480-38452-2	S-4	106	100	95
480-38452-3	S-1	107	101	95
480-38452-3 MS	S-1	104	101	94
480-38452-3 MSD	S-1	105	103	97
480-38452-4	S-2	107	100	95
480-38452-5	DUP	105	101	95
480-38452-6	RW-4	105	101	96
480-38452-7	RW-5	105	100	97
LCS 480-119373/3	Lab Control Sample	107	102	99
MB 480-119373/4	Method Blank	104	102	97

Surrogate Legend

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

Method: 8270C_ASP - Semivolatile Organic Compounds (GC/MS)

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

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	TPH	PHL
Lab Sample ID	Client Sample ID	(39-146)	(37-120)	(18-120)	(34-132)	(58-147)	(11-120)
480-38452-1	S-3	81	70	53	70	88	42
480-38452-2	S-4	77	68	55	68	87	43
480-38452-3	S-1	84	72	61	73	89	48
480-38452-4	S-2	81	61	42	58	83	33
480-38452-5	DUP	91	77	58	79	94	43
480-38452-6	RW-4	86	68	53	66	89	43
480-38452-7	RW-5	79	61	43	60	92	33
LCS 480-119154/2-A	Lab Control Sample	79	74	58	76	90	43
MB 480-119154/1-A	Method Blank	56	70	53	72	90	42

Surrogate Legend

TBP = 2,4,6-Tribromophenol
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol
NBZ = Nitrobenzene-d5
TPH = p-Terphenyl-d14
PHL = Phenol-d5

Method: 8081A_ASP - Organochlorine Pesticides (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
		DCB2	TCX2
Lab Sample ID	Client Sample ID	(20-120)	(36-120)
480-38452-1	S-3	73	74
480-38452-1 MS	S-3	90	74
480-38452-1 MSD	S-3	88	70

Method: 8081A_ASP - Organochlorine Pesticides (GC) (Continued)

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

		Percent Surrogate Recovery (Acceptance Limits)	
		DCB2	TCX2
Lab Sample ID	Client Sample ID	(20-120)	(36-120)
480-38452-2	S-4	75	70
480-38452-3	S-1	64	65
480-38452-4	S-2	65	71
480-38452-5	DUP	65	69
LCS 480-119430/2-A	Lab Control Sample	65	69
MB 480-119430/1-A	Method Blank	68	82

Surrogate Legend

DCB = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

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

		Percent Surrogate Recovery (Acceptance Limits)	
		DCB2	TCX2
Lab Sample ID	Client Sample ID	(19-126)	(23-127)
480-38452-1	S-3	72	93
480-38452-2	S-4	88	102
480-38452-3	S-1	77	90
480-38452-4	S-2	52	87
480-38452-5	DUP	76	89
480-38452-6	RW-4	66	90
480-38452-7	RW-5	76	95
LCS 480-119235/2-A	Lab Control Sample	68	79
MB 480-119235/1-A	Method Blank	84	97

Surrogate Legend

DCB = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Client: Groundwater & Environmental Services Inc
Project/Site: Cherry Farms Annual GW Sample

TestAmerica Job ID: 480-38452-1

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

Lab Sample ID: MB 480-119373/4
Matrix: Water
Analysis Batch: 119373

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/17/13 21:28	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/17/13 21:28	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/17/13 21:28	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/17/13 21:28	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/17/13 21:28	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/17/13 21:28	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/17/13 21:28	1
2-Hexanone	ND		5.0	1.2	ug/L			05/17/13 21:28	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/17/13 21:28	1
1,2-Dichloroethene, Total	ND		2.0	0.70	ug/L			05/17/13 21:28	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/17/13 21:28	1
Acetone	ND		10	3.0	ug/L			05/17/13 21:28	1
Benzene	ND		1.0	0.41	ug/L			05/17/13 21:28	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/17/13 21:28	1
Bromoform	ND		1.0	0.26	ug/L			05/17/13 21:28	1
Bromomethane	ND		1.0	0.69	ug/L			05/17/13 21:28	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/17/13 21:28	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/17/13 21:28	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/17/13 21:28	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/17/13 21:28	1
Chloroethane	ND		1.0	0.32	ug/L			05/17/13 21:28	1
Chloroform	ND		1.0	0.34	ug/L			05/17/13 21:28	1
Chloromethane	ND		1.0	0.35	ug/L			05/17/13 21:28	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/17/13 21:28	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/17/13 21:28	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/17/13 21:28	1
Styrene	ND		1.0	0.73	ug/L			05/17/13 21:28	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/17/13 21:28	1
Toluene	ND		1.0	0.51	ug/L			05/17/13 21:28	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/17/13 21:28	1
Trichloroethene	ND		1.0	0.46	ug/L			05/17/13 21:28	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/17/13 21:28	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/17/13 21:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*66 - 137*		*05/17/13 21:28*	*1*
Toluene-d8 (Surr)	*102*		*71 - 126*		*05/17/13 21:28*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*05/17/13 21:28*	*1*

Lab Sample ID: LCS 480-119373/3
Matrix: Water
Analysis Batch: 119373

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	25.0	26.3		ug/L		105	71 - 129
1,1-Dichloroethene	25.0	21.8		ug/L		87	58 - 121
1,2-Dichloroethane	25.0	27.2		ug/L		109	75 - 127
Benzene	25.0	26.7		ug/L		107	71 - 124

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

Lab Sample ID: LCS 480-119373/3
Matrix: Water
Analysis Batch: 119373

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chlorobenzene	25.0	26.6		ug/L		106	72 - 120
Ethylbenzene	25.0	26.4		ug/L		106	77 - 123
Tetrachloroethene	25.0	27.6		ug/L		110	74 - 122
Toluene	25.0	26.4		ug/L		106	80 - 122
Trichloroethene	25.0	26.3		ug/L		105	74 - 123

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*107*		*66 - 137*
Toluene-d8 (Surr)	*102*		*71 - 126*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*

Lab Sample ID: 480-38452-3 MS
Matrix: Water
Analysis Batch: 119373

Client Sample ID: S-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	ND		25.0	30.5		ug/L		122	71 - 129
1,1-Dichloroethene	ND		25.0	26.3		ug/L		105	58 - 121
1,2-Dichloroethane	ND		25.0	30.1		ug/L		121	75 - 127
Benzene	ND		25.0	30.8		ug/L		123	71 - 124
Chlorobenzene	ND		25.0	30.3	F	ug/L		121	72 - 120
Ethylbenzene	ND		25.0	30.4		ug/L		121	77 - 123
Tetrachloroethene	ND		25.0	31.2	F	ug/L		125	74 - 122
Toluene	ND		25.0	30.4		ug/L		121	80 - 122
Trichloroethene	ND		25.0	29.6		ug/L		118	74 - 123

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*66 - 137*
Toluene-d8 (Surr)	*101*		*71 - 126*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*

Lab Sample ID: 480-38452-3 MSD
Matrix: Water
Analysis Batch: 119373

Client Sample ID: S-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethane	ND		25.0	30.3		ug/L		121	71 - 129	1	20
1,1-Dichloroethene	ND		25.0	26.1		ug/L		104	58 - 121	1	16
1,2-Dichloroethane	ND		25.0	28.7		ug/L		115	75 - 127	5	20
Benzene	ND		25.0	29.8		ug/L		119	71 - 124	3	13
Chlorobenzene	ND		25.0	30.0		ug/L		120	72 - 120	1	25
Ethylbenzene	ND		25.0	30.1		ug/L		120	77 - 123	1	15
Tetrachloroethene	ND		25.0	31.4	F	ug/L		126	74 - 122	1	20
Toluene	ND		25.0	30.2		ug/L		121	80 - 122	1	15
Trichloroethene	ND		25.0	29.0		ug/L		116	74 - 123	2	16

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

Lab Sample ID: 480-38452-3 MSD
Matrix: Water
Analysis Batch: 119373

Client Sample ID: S-1
Prep Type: Total/NA

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*105*		*66 - 137*
Toluene-d8 (Surr)	*103*		*71 - 126*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*

Method: 8270C_ASP - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-119154/1-A
Matrix: Water
Analysis Batch: 120764

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 119154

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
bis (2-chloroisopropyl) ether	ND		20	0.52	ug/L		05/17/13 06:30	05/28/13 17:44	1
1,2,4-Trichlorobenzene	ND		40	0.44	ug/L		05/17/13 06:30	05/28/13 17:44	1
2,4,5-Trichlorophenol	ND		20	0.48	ug/L		05/17/13 06:30	05/28/13 17:44	1
1,2-Dichlorobenzene	ND		40	0.40	ug/L		05/17/13 06:30	05/28/13 17:44	1
2,4,6-Trichlorophenol	ND		20	0.61	ug/L		05/17/13 06:30	05/28/13 17:44	1
2,4-Dichlorophenol	ND		20	0.51	ug/L		05/17/13 06:30	05/28/13 17:44	1
2,4-Dimethylphenol	ND		20	0.50	ug/L		05/17/13 06:30	05/28/13 17:44	1
1,3-Dichlorobenzene	ND		40	0.48	ug/L		05/17/13 06:30	05/28/13 17:44	1
2,4-Dinitrophenol	ND		40	2.2	ug/L		05/17/13 06:30	05/28/13 17:44	1
2,4-Dinitrotoluene	ND		20	0.45	ug/L		05/17/13 06:30	05/28/13 17:44	1
1,4-Dichlorobenzene	ND		40	0.46	ug/L		05/17/13 06:30	05/28/13 17:44	1
2,6-Dinitrotoluene	ND		20	0.40	ug/L		05/17/13 06:30	05/28/13 17:44	1
2-Chloronaphthalene	ND		20	0.46	ug/L		05/17/13 06:30	05/28/13 17:44	1
2-Chlorophenol	ND		20	0.53	ug/L		05/17/13 06:30	05/28/13 17:44	1
2-Methylnaphthalene	ND		20	0.60	ug/L		05/17/13 06:30	05/28/13 17:44	1
2-Methylphenol	ND		20	0.40	ug/L		05/17/13 06:30	05/28/13 17:44	1
2-Nitroaniline	ND		40	0.42	ug/L		05/17/13 06:30	05/28/13 17:44	1
2-Nitrophenol	ND		20	0.48	ug/L		05/17/13 06:30	05/28/13 17:44	1
3,3'-Dichlorobenzidine	ND		20	0.40	ug/L		05/17/13 06:30	05/28/13 17:44	1
3-Nitroaniline	ND		40	0.48	ug/L		05/17/13 06:30	05/28/13 17:44	1
4,6-Dinitro-2-methylphenol	ND		40	2.2	ug/L		05/17/13 06:30	05/28/13 17:44	1
4-Bromophenyl phenyl ether	ND		20	0.45	ug/L		05/17/13 06:30	05/28/13 17:44	1
4-Chloro-3-methylphenol	ND		20	0.45	ug/L		05/17/13 06:30	05/28/13 17:44	1
4-Chloroaniline	ND		20	0.59	ug/L		05/17/13 06:30	05/28/13 17:44	1
4-Chlorophenyl phenyl ether	ND		20	0.35	ug/L		05/17/13 06:30	05/28/13 17:44	1
4-Methylphenol	ND		40	0.36	ug/L		05/17/13 06:30	05/28/13 17:44	1
4-Nitroaniline	ND		40	0.25	ug/L		05/17/13 06:30	05/28/13 17:44	1
4-Nitrophenol	ND		40	1.5	ug/L		05/17/13 06:30	05/28/13 17:44	1
Acenaphthene	ND		20	0.41	ug/L		05/17/13 06:30	05/28/13 17:44	1
Acenaphthylene	ND		20	0.38	ug/L		05/17/13 06:30	05/28/13 17:44	1
Anthracene	ND		20	0.28	ug/L		05/17/13 06:30	05/28/13 17:44	1
Benzo[a]anthracene	ND		20	0.36	ug/L		05/17/13 06:30	05/28/13 17:44	1
Benzo[a]pyrene	ND		20	0.47	ug/L		05/17/13 06:30	05/28/13 17:44	1
Benzo[b]fluoranthene	ND		20	0.34	ug/L		05/17/13 06:30	05/28/13 17:44	1
Benzo[g,h,i]perylene	ND		20	0.35	ug/L		05/17/13 06:30	05/28/13 17:44	1
Benzo[k]fluoranthene	ND		20	0.73	ug/L		05/17/13 06:30	05/28/13 17:44	1
Bis(2-chloroethoxy)methane	ND		20	0.35	ug/L		05/17/13 06:30	05/28/13 17:44	1

Method: 8270C_ASP - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-119154/1-A
Matrix: Water
Analysis Batch: 120764

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 119154

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethyl)ether	ND		20	0.40	ug/L		05/17/13 06:30	05/28/13 17:44	1
Bis(2-ethylhexyl) phthalate	ND		20	1.8	ug/L		05/17/13 06:30	05/28/13 17:44	1
Butyl benzyl phthalate	ND		20	0.42	ug/L		05/17/13 06:30	05/28/13 17:44	1
Carbazole	ND		20	0.30	ug/L		05/17/13 06:30	05/28/13 17:44	1
Chrysene	ND		20	0.33	ug/L		05/17/13 06:30	05/28/13 17:44	1
Di-n-butyl phthalate	ND		20	0.31	ug/L		05/17/13 06:30	05/28/13 17:44	1
Di-n-octyl phthalate	ND		20	0.47	ug/L		05/17/13 06:30	05/28/13 17:44	1
Dibenz(a,h)anthracene	ND		20	0.42	ug/L		05/17/13 06:30	05/28/13 17:44	1
Dibenzofuran	ND		40	0.51	ug/L		05/17/13 06:30	05/28/13 17:44	1
Diethyl phthalate	ND		20	0.22	ug/L		05/17/13 06:30	05/28/13 17:44	1
Dimethyl phthalate	ND		20	0.36	ug/L		05/17/13 06:30	05/28/13 17:44	1
Fluoranthene	ND		20	0.40	ug/L		05/17/13 06:30	05/28/13 17:44	1
Fluorene	ND		20	0.36	ug/L		05/17/13 06:30	05/28/13 17:44	1
Hexachlorobenzene	ND		20	0.51	ug/L		05/17/13 06:30	05/28/13 17:44	1
Hexachlorobutadiene	ND		20	0.68	ug/L		05/17/13 06:30	05/28/13 17:44	1
Hexachlorocyclopentadiene	ND		20	0.59	ug/L		05/17/13 06:30	05/28/13 17:44	1
Hexachloroethane	ND		20	0.59	ug/L		05/17/13 06:30	05/28/13 17:44	1
Indeno[1,2,3-cd]pyrene	ND		20	0.47	ug/L		05/17/13 06:30	05/28/13 17:44	1
Isophorone	ND		20	0.43	ug/L		05/17/13 06:30	05/28/13 17:44	1
N-Nitrosodi-n-propylamine	ND		20	0.54	ug/L		05/17/13 06:30	05/28/13 17:44	1
N-Nitrosodiphenylamine	ND		20	0.51	ug/L		05/17/13 06:30	05/28/13 17:44	1
Naphthalene	ND		20	0.76	ug/L		05/17/13 06:30	05/28/13 17:44	1
Nitrobenzene	ND		20	0.29	ug/L		05/17/13 06:30	05/28/13 17:44	1
Pentachlorophenol	ND		40	2.2	ug/L		05/17/13 06:30	05/28/13 17:44	1
Phenanthrene	ND		20	0.44	ug/L		05/17/13 06:30	05/28/13 17:44	1
Phenol	ND		20	0.39	ug/L		05/17/13 06:30	05/28/13 17:44	1
Pyrene	ND		20	0.34	ug/L		05/17/13 06:30	05/28/13 17:44	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*56*		*39 - 146*	*05/17/13 06:30*	*05/28/13 17:44*	*1*
2-Fluorobiphenyl	*70*		*37 - 120*	*05/17/13 06:30*	*05/28/13 17:44*	*1*
2-Fluorophenol	*53*		*18 - 120*	*05/17/13 06:30*	*05/28/13 17:44*	*1*
Nitrobenzene-d5	*72*		*34 - 132*	*05/17/13 06:30*	*05/28/13 17:44*	*1*
p-Terphenyl-d14	*90*		*58 - 147*	*05/17/13 06:30*	*05/28/13 17:44*	*1*
Phenol-d5	*42*		*11 - 120*	*05/17/13 06:30*	*05/28/13 17:44*	*1*

Lab Sample ID: LCS 480-119154/2-A
Matrix: Water
Analysis Batch: 120764

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 119154

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	20.0	15.4	J	ug/L		77	40 - 120
2,4-Dinitrophenol	40.0	29.4	J	ug/L		74	42 - 153
1,4-Dichlorobenzene	20.0	15.2	J	ug/L		76	32 - 120
2-Chlorophenol	20.0	17.3	J	ug/L		86	48 - 120
4-Chloro-3-methylphenol	20.0	18.9	J	ug/L		95	64 - 120
4-Nitrophenol	40.0	25.2	J	ug/L		63	16 - 120
Acenaphthene	20.0	17.5	J	ug/L		88	60 - 120

Method: 8270C_ASP - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-119154/2-A
Matrix: Water
Analysis Batch: 120764

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 119154

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bis(2-ethylhexyl) phthalate	20.0	19.5	J	ug/L		98	53 - 158
Fluorene	20.0	18.6	J	ug/L		93	55 - 143
Hexachloroethane	20.0	14.7	J	ug/L		74	14 - 101
N-Nitrosodi-n-propylamine	20.0	18.6	J	ug/L		93	56 - 120
Pentachlorophenol	40.0	30.4	J	ug/L		76	39 - 136
Phenol	20.0	10.4	J	ug/L		52	17 - 120
Pyrene	20.0	20.3		ug/L		102	58 - 136

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol	*79*		*39 - 146*
2-Fluorobiphenyl	*74*		*37 - 120*
2-Fluorophenol	*58*		*18 - 120*
Nitrobenzene-d5	*76*		*34 - 132*
p-Terphenyl-d14	*90*		*58 - 147*
Phenol-d5	*43*		*11 - 120*

Method: 8081A_ASP - Organochlorine Pesticides (GC)

Lab Sample ID: MB 480-119430/1-A
Matrix: Water
Analysis Batch: 119546

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 119430

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0132	J	0.050	0.0092	ug/L		05/18/13 09:41	05/20/13 08:55	1
4,4'-DDE	ND		0.050	0.012	ug/L		05/18/13 09:41	05/20/13 08:55	1
4,4'-DDT	ND		0.050	0.011	ug/L		05/18/13 09:41	05/20/13 08:55	1
Aldrin	ND		0.050	0.0066	ug/L		05/18/13 09:41	05/20/13 08:55	1
alpha-BHC	ND		0.050	0.0066	ug/L		05/18/13 09:41	05/20/13 08:55	1
alpha-Chlordane	ND		0.050	0.015	ug/L		05/18/13 09:41	05/20/13 08:55	1
beta-BHC	ND		0.050	0.025	ug/L		05/18/13 09:41	05/20/13 08:55	1
delta-BHC	ND		0.050	0.010	ug/L		05/18/13 09:41	05/20/13 08:55	1
Dieldrin	ND		0.050	0.0098	ug/L		05/18/13 09:41	05/20/13 08:55	1
Endosulfan I	ND		0.050	0.011	ug/L		05/18/13 09:41	05/20/13 08:55	1
Endosulfan II	ND		0.050	0.012	ug/L		05/18/13 09:41	05/20/13 08:55	1
Endosulfan sulfate	ND		0.050	0.016	ug/L		05/18/13 09:41	05/20/13 08:55	1
Endrin	ND		0.050	0.014	ug/L		05/18/13 09:41	05/20/13 08:55	1
Endrin aldehyde	ND		0.050	0.016	ug/L		05/18/13 09:41	05/20/13 08:55	1
Endrin ketone	ND		0.050	0.012	ug/L		05/18/13 09:41	05/20/13 08:55	1
gamma-BHC (Lindane)	ND		0.050	0.0060	ug/L		05/18/13 09:41	05/20/13 08:55	1
gamma-Chlordane	ND		0.050	0.011	ug/L		05/18/13 09:41	05/20/13 08:55	1
Heptachlor	ND		0.050	0.0085	ug/L		05/18/13 09:41	05/20/13 08:55	1
Heptachlor epoxide	ND		0.050	0.0053	ug/L		05/18/13 09:41	05/20/13 08:55	1
Methoxychlor	ND		0.050	0.014	ug/L		05/18/13 09:41	05/20/13 08:55	1
Toxaphene	ND		0.50	0.12	ug/L		05/18/13 09:41	05/20/13 08:55	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*68*		*20 - 120*	*05/18/13 09:41*	*05/20/13 08:55*	*1*

Method: 8081A_ASP - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 480-119430/1-A
Matrix: Water
Analysis Batch: 119546

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 119430

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	82		36 - 120	05/18/13 09:41	05/20/13 08:55	1

Lab Sample ID: LCS 480-119430/2-A
Matrix: Water
Analysis Batch: 119546

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 119430

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
4,4'-DDD			0.500	0.502		ug/L		100	57 - 138		
4,4'-DDE			0.500	0.460		ug/L		92	45 - 133		
4,4'-DDT			0.500	0.461		ug/L		92	50 - 136		
Aldrin			0.500	0.378		ug/L		76	40 - 120		
alpha-BHC			0.500	0.430		ug/L		86	55 - 124		
alpha-Chlordane			0.500	0.426		ug/L		85	52 - 133		
beta-BHC			0.500	0.460		ug/L		92	58 - 135		
delta-BHC			0.500	0.452		ug/L		90	55 - 132		
Dieldrin			0.500	0.490		ug/L		98	55 - 136		
Endosulfan I			0.500	0.465		ug/L		93	51 - 134		
Endosulfan II			0.500	0.490		ug/L		98	56 - 138		
Endosulfan sulfate			0.500	0.487		ug/L		97	55 - 136		
Endrin			0.500	0.490		ug/L		98	59 - 143		
Endrin aldehyde			0.500	0.517		ug/L		103	46 - 134		
Endrin ketone			0.500	0.519		ug/L		104	58 - 138		
gamma-BHC (Lindane)			0.500	0.444		ug/L		89	56 - 127		
gamma-Chlordane			0.500	0.454		ug/L		91	52 - 128		
Heptachlor			0.500	0.424		ug/L		85	51 - 125		
Heptachlor epoxide			0.500	0.476		ug/L		95	54 - 140		
Methoxychlor			0.500	0.475		ug/L		95	60 - 151		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	65		20 - 120
Tetrachloro-m-xylene	69		36 - 120

Lab Sample ID: 480-38452-1 MS
Matrix: Water
Analysis Batch: 119546

Client Sample ID: S-3
Prep Type: Total/NA
Prep Batch: 119430

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
4,4'-DDD	ND		1.00	0.929		ug/L		93	43 - 146		
4,4'-DDE	0.020	J	1.00	0.866		ug/L		85	27 - 144		
4,4'-DDT	ND		1.00	0.792		ug/L		79	37 - 140		
Aldrin	ND		1.00	0.809		ug/L		81	39 - 125		
alpha-BHC	ND		1.00	0.826		ug/L		83	47 - 130		
alpha-Chlordane	ND		1.00	0.880		ug/L		88	36 - 142		
beta-BHC	ND		1.00	0.808		ug/L		81	54 - 139		
delta-BHC	ND		1.00	0.824		ug/L		82	43 - 139		
Dieldrin	ND		1.00	0.937		ug/L		94	46 - 144		
Endosulfan I	ND		1.00	0.799		ug/L		80	40 - 147		
Endosulfan II	ND		1.00	0.696		ug/L		70	51 - 140		

Method: 8081A_ASP - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 480-38452-1 MS
Matrix: Water
Analysis Batch: 119546

Client Sample ID: S-3
Prep Type: Total/NA
Prep Batch: 119430

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Endosulfan sulfate	ND		1.00	0.946		ug/L		95	36 - 159
Endrin	ND		1.00	0.921		ug/L		92	48 - 156
Endrin aldehyde	ND		1.00	0.853		ug/L		85	29 - 142
Endrin ketone	ND		1.00	1.02		ug/L		102	57 - 138
gamma-BHC (Lindane)	0.014	J	1.00	0.812		ug/L		80	48 - 133
gamma-Chlordane	0.012	J	1.00	0.856		ug/L		84	46 - 132
Heptachlor	0.0091	J	1.00	0.835		ug/L		83	36 - 142
Heptachlor epoxide	ND		1.00	0.912		ug/L		91	53 - 139
Methoxychlor	ND		1.00	0.948		ug/L		95	40 - 175

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*90*		*20 - 120*
Tetrachloro-m-xylene	*74*		*36 - 120*

Lab Sample ID: 480-38452-1 MSD
Matrix: Water
Analysis Batch: 119546

Client Sample ID: S-3
Prep Type: Total/NA
Prep Batch: 119430

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD	ND		1.00	0.908		ug/L		91	43 - 146	NC	12
4,4'-DDE	0.020	J	1.00	0.830		ug/L		81	27 - 144	NC	14
4,4'-DDT	ND		1.00	0.778		ug/L		78	37 - 140	NC	17
Aldrin	ND		1.00	0.758		ug/L		76	39 - 125	NC	13
alpha-BHC	ND		1.00	0.776		ug/L		78	47 - 130	NC	15
alpha-Chlordane	ND		1.00	0.830		ug/L		83	36 - 142	NC	12
beta-BHC	ND		1.00	0.776		ug/L		78	54 - 139	NC	22
delta-BHC	ND		1.00	0.791		ug/L		79	43 - 139	NC	10
Dieldrin	ND		1.00	0.894		ug/L		89	46 - 144	NC	12
Endosulfan I	ND		1.00	0.764		ug/L		76	40 - 147	NC	10
Endosulfan II	ND		1.00	0.667		ug/L		67	51 - 140	NC	11
Endosulfan sulfate	ND		1.00	0.915		ug/L		92	36 - 159	NC	18
Endrin	ND		1.00	0.886		ug/L		89	48 - 156	NC	13
Endrin aldehyde	ND		1.00	0.899		ug/L		90	29 - 142	NC	18
Endrin ketone	ND		1.00	0.991		ug/L		99	57 - 138	NC	33
gamma-BHC (Lindane)	0.014	J	1.00	0.771		ug/L		76	48 - 133	NC	15
gamma-Chlordane	0.012	J	1.00	0.819		ug/L		81	46 - 132	NC	11
Heptachlor	0.0091	J	1.00	0.790		ug/L		78	36 - 142	NC	10
Heptachlor epoxide	ND		1.00	0.864		ug/L		86	53 - 139	NC	11
Methoxychlor	ND		1.00	0.914		ug/L		91	40 - 175	NC	10

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*88*		*20 - 120*
Tetrachloro-m-xylene	*70*		*36 - 120*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 480-119235/1-A
Matrix: Water
Analysis Batch: 119426

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 119235

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.40	0.18	ug/L		05/17/13 09:44	05/18/13 11:47	1
PCB-1221	ND		0.40	0.18	ug/L		05/17/13 09:44	05/18/13 11:47	1
PCB-1232	ND		0.40	0.18	ug/L		05/17/13 09:44	05/18/13 11:47	1
PCB-1242	ND		0.40	0.18	ug/L		05/17/13 09:44	05/18/13 11:47	1
PCB-1248	ND		0.40	0.18	ug/L		05/17/13 09:44	05/18/13 11:47	1
PCB-1254	ND		0.40	0.25	ug/L		05/17/13 09:44	05/18/13 11:47	1
PCB-1260	ND		0.40	0.25	ug/L		05/17/13 09:44	05/18/13 11:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*84*		*19 - 126*	*05/17/13 09:44*	*05/18/13 11:47*	*1*
Tetrachloro-m-xylene	*97*		*23 - 127*	*05/17/13 09:44*	*05/18/13 11:47*	*1*

Lab Sample ID: LCS 480-119235/2-A
Matrix: Water
Analysis Batch: 119426

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 119235

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016			4.00	4.91		ug/L		123	51 - 137		
PCB-1260			4.00	3.36		ug/L		84	45 - 139		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*68*		*19 - 126*
Tetrachloro-m-xylene	*79*		*23 - 127*

Method: 6010B_ASP - Metals (ICP)

Lab Sample ID: MB 480-119213/1-A
Matrix: Water
Analysis Batch: 119500

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 119213

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		05/17/13 10:20	05/17/13 19:11	1
Antimony	ND		0.020	0.0068	mg/L		05/17/13 10:20	05/17/13 19:11	1
Arsenic	ND		0.010	0.0056	mg/L		05/17/13 10:20	05/17/13 19:11	1
Barium	ND		0.0020	0.00070	mg/L		05/17/13 10:20	05/17/13 19:11	1
Beryllium	ND		0.0020	0.00030	mg/L		05/17/13 10:20	05/17/13 19:11	1
Cadmium	ND		0.0010	0.00050	mg/L		05/17/13 10:20	05/17/13 19:11	1
Calcium	ND		0.50	0.10	mg/L		05/17/13 10:20	05/17/13 19:11	1
Chromium	ND		0.0040	0.0010	mg/L		05/17/13 10:20	05/17/13 19:11	1
Cobalt	ND		0.0040	0.00063	mg/L		05/17/13 10:20	05/17/13 19:11	1
Copper	ND		0.010	0.0016	mg/L		05/17/13 10:20	05/17/13 19:11	1
Iron	ND		0.050	0.019	mg/L		05/17/13 10:20	05/17/13 19:11	1
Lead	ND		0.0050	0.0030	mg/L		05/17/13 10:20	05/17/13 19:11	1
Magnesium	ND		0.20	0.043	mg/L		05/17/13 10:20	05/17/13 19:11	1
Manganese	0.000630	J	0.0030	0.00040	mg/L		05/17/13 10:20	05/17/13 19:11	1
Nickel	ND		0.010	0.0013	mg/L		05/17/13 10:20	05/17/13 19:11	1
Potassium	ND		0.50	0.10	mg/L		05/17/13 10:20	05/17/13 19:11	1

Method: 6010B_ASP - Metals (ICP) (Continued)

Lab Sample ID: MB 480-119213/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 119500 — **Prep Batch: 119213**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND		0.015	0.0087	mg/L		05/17/13 10:20	05/17/13 19:11	1
Silver	ND		0.0030	0.0017	mg/L		05/17/13 10:20	05/17/13 19:11	1
Sodium	ND		1.0	0.32	mg/L		05/17/13 10:20	05/17/13 19:11	1
Thallium	ND		0.020	0.010	mg/L		05/17/13 10:20	05/17/13 19:11	1
Vanadium	ND		0.0050	0.0015	mg/L		05/17/13 10:20	05/17/13 19:11	1
Zinc	ND		0.010	0.0015	mg/L		05/17/13 10:20	05/17/13 19:11	1

Lab Sample ID: LCS 480-119213/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 119500 — **Prep Batch: 119213**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	10.0	10.65		mg/L		106	80 - 120
Antimony	0.200	0.193		mg/L		97	80 - 120
Arsenic	0.200	0.207		mg/L		103	80 - 120
Barium	0.200	0.212		mg/L		106	80 - 120
Beryllium	0.200	0.198		mg/L		99	80 - 120
Cadmium	0.200	0.207		mg/L		103	80 - 120
Calcium	10.0	10.33		mg/L		103	80 - 120
Chromium	0.200	0.199		mg/L		100	80 - 120
Cobalt	0.200	0.201		mg/L		101	80 - 120
Copper	0.200	0.203		mg/L		102	80 - 120
Iron	10.0	10.45		mg/L		104	80 - 120
Lead	0.200	0.199		mg/L		99	80 - 120
Magnesium	10.0	9.92		mg/L		99	80 - 120
Manganese	0.200	0.206		mg/L		103	80 - 120
Nickel	0.200	0.201		mg/L		100	80 - 120
Potassium	10.0	10.25		mg/L		102	80 - 120
Selenium	0.200	0.213		mg/L		106	80 - 120
Silver	0.0500	0.0518		mg/L		104	80 - 120
Sodium	10.0	9.93		mg/L		99	80 - 120
Thallium	0.200	0.197		mg/L		99	80 - 120
Vanadium	0.200	0.195		mg/L		97	80 - 120
Zinc	0.200	0.191		mg/L		95	80 - 120

Method: 7470A_ASP - Mercury (CVAA)

Lab Sample ID: MB 480-119178/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 119325 — **Prep Batch: 119178**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		05/17/13 08:30	05/17/13 12:51	1

Method: 7470A_ASP - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 480-119178/2-A
Matrix: Water
Analysis Batch: 119325

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 119178

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury			0.00667	0.00633		mg/L		95	80 - 120		

Lab Sample ID: MB 480-119519/1-A
Matrix: Water
Analysis Batch: 119610

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 119519

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		05/20/13 08:15	05/20/13 11:58	1

Lab Sample ID: LCS 480-119519/2-A
Matrix: Water
Analysis Batch: 119610

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 119519

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury			0.00667	0.00673		mg/L		101	80 - 120		

Lab Sample ID: LCSD 480-119519/3-A
Matrix: Water
Analysis Batch: 119610

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 119519

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury			0.00667	0.00672		mg/L		101	80 - 120	0	20

Method: 9012A_ASP - Cyanide, Total and/or Amenable

Lab Sample ID: MB 480-119608/1-A
Matrix: Water
Analysis Batch: 119675

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 119608

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Cyanide	ND		0.010	0.0050	mg/L		05/20/13 10:49	05/20/13 20:15	1

Lab Sample ID: LCS 480-119608/2-A
Matrix: Water
Analysis Batch: 119675

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 119608

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Cyanide			0.250	0.262		mg/L		105	90 - 110		

GC/MS VOA

Analysis Batch: 119373

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-38452-1	S-3	Total/NA	Water	8260B_ASP	
480-38452-2	S-4	Total/NA	Water	8260B_ASP	
480-38452-3	S-1	Total/NA	Water	8260B_ASP	
480-38452-3 MS	S-1	Total/NA	Water	8260B_ASP	
480-38452-3 MSD	S-1	Total/NA	Water	8260B_ASP	
480-38452-4	S-2	Total/NA	Water	8260B_ASP	
480-38452-5	DUP	Total/NA	Water	8260B_ASP	
480-38452-6	RW-4	Total/NA	Water	8260B_ASP	
480-38452-7	RW-5	Total/NA	Water	8260B_ASP	
LCS 480-119373/3	Lab Control Sample	Total/NA	Water	8260B_ASP	
MB 480-119373/4	Method Blank	Total/NA	Water	8260B_ASP	

GC/MS Semi VOA

Prep Batch: 119154

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-38452-1	S-3	Total/NA	Water	3510C	
480-38452-2	S-4	Total/NA	Water	3510C	
480-38452-3	S-1	Total/NA	Water	3510C	
480-38452-4	S-2	Total/NA	Water	3510C	
480-38452-5	DUP	Total/NA	Water	3510C	
480-38452-6	RW-4	Total/NA	Water	3510C	
480-38452-7	RW-5	Total/NA	Water	3510C	
LCS 480-119154/2-A	Lab Control Sample	Total/NA	Water	3510C	
MB 480-119154/1-A	Method Blank	Total/NA	Water	3510C	

Analysis Batch: 120764

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-38452-1	S-3	Total/NA	Water	8270C_ASP	119154
480-38452-2	S-4	Total/NA	Water	8270C_ASP	119154
480-38452-3	S-1	Total/NA	Water	8270C_ASP	119154
480-38452-4	S-2	Total/NA	Water	8270C_ASP	119154
480-38452-5	DUP	Total/NA	Water	8270C_ASP	119154
480-38452-6	RW-4	Total/NA	Water	8270C_ASP	119154
480-38452-7	RW-5	Total/NA	Water	8270C_ASP	119154
LCS 480-119154/2-A	Lab Control Sample	Total/NA	Water	8270C_ASP	119154
MB 480-119154/1-A	Method Blank	Total/NA	Water	8270C_ASP	119154

GC Semi VOA

Prep Batch: 119235

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-38452-1	S-3	Total/NA	Water	3510C	
480-38452-2	S-4	Total/NA	Water	3510C	
480-38452-3	S-1	Total/NA	Water	3510C	
480-38452-4	S-2	Total/NA	Water	3510C	
480-38452-5	DUP	Total/NA	Water	3510C	
480-38452-6	RW-4	Total/NA	Water	3510C	
480-38452-7	RW-5	Total/NA	Water	3510C	
LCS 480-119235/2-A	Lab Control Sample	Total/NA	Water	3510C	

GC Semi VOA (Continued)

Prep Batch: 119235 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-119235/1-A	Method Blank	Total/NA	Water	3510C	

Analysis Batch: 119426

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-38452-1	S-3	Total/NA	Water	8082	119235
480-38452-2	S-4	Total/NA	Water	8082	119235
480-38452-3	S-1	Total/NA	Water	8082	119235
480-38452-4	S-2	Total/NA	Water	8082	119235
480-38452-5	DUP	Total/NA	Water	8082	119235
480-38452-6	RW-4	Total/NA	Water	8082	119235
480-38452-7	RW-5	Total/NA	Water	8082	119235
LCS 480-119235/2-A	Lab Control Sample	Total/NA	Water	8082	119235
MB 480-119235/1-A	Method Blank	Total/NA	Water	8082	119235

Prep Batch: 119430

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-38452-1	S-3	Total/NA	Water	3510C	
480-38452-1 MS	S-3	Total/NA	Water	3510C	
480-38452-1 MSD	S-3	Total/NA	Water	3510C	
480-38452-2	S-4	Total/NA	Water	3510C	
480-38452-3	S-1	Total/NA	Water	3510C	
480-38452-4	S-2	Total/NA	Water	3510C	
480-38452-5	DUP	Total/NA	Water	3510C	
LCS 480-119430/2-A	Lab Control Sample	Total/NA	Water	3510C	
MB 480-119430/1-A	Method Blank	Total/NA	Water	3510C	

Analysis Batch: 119546

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-38452-1	S-3	Total/NA	Water	8081A_ASP	119430
480-38452-1 MS	S-3	Total/NA	Water	8081A_ASP	119430
480-38452-1 MSD	S-3	Total/NA	Water	8081A_ASP	119430
480-38452-2	S-4	Total/NA	Water	8081A_ASP	119430
480-38452-3	S-1	Total/NA	Water	8081A_ASP	119430
480-38452-4	S-2	Total/NA	Water	8081A_ASP	119430
480-38452-5	DUP	Total/NA	Water	8081A_ASP	119430
LCS 480-119430/2-A	Lab Control Sample	Total/NA	Water	8081A_ASP	119430
MB 480-119430/1-A	Method Blank	Total/NA	Water	8081A_ASP	119430

Metals

Prep Batch: 119178

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-38452-1	S-3	Total/NA	Water	7470A	
480-38452-3	S-1	Total/NA	Water	7470A	
480-38452-4	S-2	Total/NA	Water	7470A	
480-38452-5	DUP	Total/NA	Water	7470A	
LCS 480-119178/2-A	Lab Control Sample	Total/NA	Water	7470A	
MB 480-119178/1-A	Method Blank	Total/NA	Water	7470A	

Metals (Continued)

Prep Batch: 119213

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-38452-1	S-3	Total/NA	Water	3005A	
480-38452-2	S-4	Total/NA	Water	3005A	
480-38452-3	S-1	Total/NA	Water	3005A	
480-38452-4	S-2	Total/NA	Water	3005A	
480-38452-5	DUP	Total/NA	Water	3005A	
LCS 480-119213/2-A	Lab Control Sample	Total/NA	Water	3005A	
MB 480-119213/1-A	Method Blank	Total/NA	Water	3005A	

Analysis Batch: 119325

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-38452-1	S-3	Total/NA	Water	7470A_ASP	119178
480-38452-3	S-1	Total/NA	Water	7470A_ASP	119178
480-38452-4	S-2	Total/NA	Water	7470A_ASP	119178
480-38452-5	DUP	Total/NA	Water	7470A_ASP	119178
LCS 480-119178/2-A	Lab Control Sample	Total/NA	Water	7470A_ASP	119178
MB 480-119178/1-A	Method Blank	Total/NA	Water	7470A_ASP	119178

Analysis Batch: 119500

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-38452-1	S-3	Total/NA	Water	6010B_ASP	119213
480-38452-2	S-4	Total/NA	Water	6010B_ASP	119213
480-38452-3	S-1	Total/NA	Water	6010B_ASP	119213
480-38452-4	S-2	Total/NA	Water	6010B_ASP	119213
480-38452-5	DUP	Total/NA	Water	6010B_ASP	119213
LCS 480-119213/2-A	Lab Control Sample	Total/NA	Water	6010B_ASP	119213
MB 480-119213/1-A	Method Blank	Total/NA	Water	6010B_ASP	119213

Prep Batch: 119519

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-38452-2	S-4	Total/NA	Water	7470A	
LCS 480-119519/2-A	Lab Control Sample	Total/NA	Water	7470A	
LCSD 480-119519/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	
MB 480-119519/1-A	Method Blank	Total/NA	Water	7470A	

Analysis Batch: 119610

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-38452-2	S-4	Total/NA	Water	7470A_ASP	119519
LCS 480-119519/2-A	Lab Control Sample	Total/NA	Water	7470A_ASP	119519
LCSD 480-119519/3-A	Lab Control Sample Dup	Total/NA	Water	7470A_ASP	119519
MB 480-119519/1-A	Method Blank	Total/NA	Water	7470A_ASP	119519

General Chemistry

Prep Batch: 119608

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-38452-1	S-3	Total/NA	Water	9012A	
480-38452-2	S-4	Total/NA	Water	9012A	
480-38452-3	S-1	Total/NA	Water	9012A	
480-38452-4	S-2	Total/NA	Water	9012A	
480-38452-5	DUP	Total/NA	Water	9012A	

General Chemistry (Continued)

Prep Batch: 119608 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-119608/2-A	Lab Control Sample	Total/NA	Water	9012A	
MB 480-119608/1-A	Method Blank	Total/NA	Water	9012A	

Analysis Batch: 119675

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-38452-1	S-3	Total/NA	Water	9012A_ASP	119608
480-38452-2	S-4	Total/NA	Water	9012A_ASP	119608
480-38452-3	S-1	Total/NA	Water	9012A_ASP	119608
480-38452-4	S-2	Total/NA	Water	9012A_ASP	119608
480-38452-5	DUP	Total/NA	Water	9012A_ASP	119608
LCS 480-119608/2-A	Lab Control Sample	Total/NA	Water	9012A_ASP	119608
MB 480-119608/1-A	Method Blank	Total/NA	Water	9012A_ASP	119608

Client Sample ID: S-3

Lab Sample ID: 480-38452-1

Date Collected: 05/16/13 14:00

Matrix: Water

Date Received: 05/16/13 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B_ASP		1	119373	05/18/13 03:20	TRB	TAL BUF
Total/NA	Prep	3510C			119154	05/17/13 06:30	DE	TAL BUF
Total/NA	Analysis	8270C_ASP		1	120764	05/28/13 23:43	RMM	TAL BUF
Total/NA	Prep	3510C			119235	05/17/13 09:44	DE	TAL BUF
Total/NA	Analysis	8082		1	119426	05/18/13 15:13	DB	TAL BUF
Total/NA	Prep	3510C			119430	05/18/13 09:41	KB	TAL BUF
Total/NA	Analysis	8081A_ASP		1	119546	05/20/13 12:52	LW	TAL BUF
Total/NA	Prep	3510C			119430	05/18/13 09:41	KB	TAL BUF
Total/NA	Analysis	8081A_ASP		1	119546	05/20/13 12:52	LW	TAL BUF
Total/NA	Prep	7470A			119178	05/17/13 08:30	JRK	TAL BUF
Total/NA	Analysis	7470A_ASP		1	119325	05/17/13 13:35	JRK	TAL BUF
Total/NA	Prep	3005A			119213	05/17/13 10:20	SS	TAL BUF
Total/NA	Analysis	6010B_ASP		1	119500	05/17/13 19:16	LH	TAL BUF
Total/NA	Prep	9012A			119608	05/20/13 10:49	KWJ	TAL BUF
Total/NA	Analysis	9012A_ASP		1	119675	05/20/13 20:28	JE	TAL BUF

Client Sample ID: S-4

Lab Sample ID: 480-38452-2

Date Collected: 05/16/13 14:30

Matrix: Water

Date Received: 05/16/13 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B_ASP		1	119373	05/18/13 03:48	TRB	TAL BUF
Total/NA	Prep	3510C			119154	05/17/13 06:30	DE	TAL BUF
Total/NA	Analysis	8270C_ASP		1	120764	05/29/13 00:11	RMM	TAL BUF
Total/NA	Prep	3510C			119235	05/17/13 09:44	DE	TAL BUF
Total/NA	Analysis	8082		1	119426	05/18/13 15:29	DB	TAL BUF
Total/NA	Prep	3510C			119430	05/18/13 09:41	KB	TAL BUF
Total/NA	Analysis	8081A_ASP		1	119546	05/20/13 13:10	LW	TAL BUF
Total/NA	Prep	3510C			119430	05/18/13 09:41	KB	TAL BUF
Total/NA	Analysis	8081A_ASP		1	119546	05/20/13 13:10	LW	TAL BUF
Total/NA	Prep	3005A			119213	05/17/13 10:20	SS	TAL BUF
Total/NA	Analysis	6010B_ASP		1	119500	05/17/13 19:18	LH	TAL BUF
Total/NA	Prep	7470A			119519	05/20/13 08:15	JRK	TAL BUF
Total/NA	Analysis	7470A_ASP		1	119610	05/20/13 12:48	JRK	TAL BUF
Total/NA	Prep	9012A			119608	05/20/13 10:49	KWJ	TAL BUF
Total/NA	Analysis	9012A_ASP		1	119675	05/20/13 20:29	JE	TAL BUF

Client Sample ID: S-1

Lab Sample ID: 480-38452-3

Date Collected: 05/16/13 13:30

Matrix: Water

Date Received: 05/16/13 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B_ASP		1	119373	05/18/13 04:15	TRB	TAL BUF

Lab Chronicle

Client: Groundwater & Environmental Services Inc
Project/Site: Cherry Farms Annual GW Sample

TestAmerica Job ID: 480-38452-1

Client Sample ID: S-1

Lab Sample ID: 480-38452-3

Date Collected: 05/16/13 13:30

Matrix: Water

Date Received: 05/16/13 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			119154	05/17/13 06:30	DE	TAL BUF
Total/NA	Analysis	8270C_ASP		1	120764	05/29/13 00:39	RMM	TAL BUF
Total/NA	Prep	3510C			119235	05/17/13 09:44	DE	TAL BUF
Total/NA	Analysis	8082		1	119426	05/18/13 15:45	DB	TAL BUF
Total/NA	Prep	3510C			119430	05/18/13 09:41	KB	TAL BUF
Total/NA	Analysis	8081A_ASP		1	119546	05/20/13 13:27	LW	TAL BUF
Total/NA	Prep	3510C			119430	05/18/13 09:41	KB	TAL BUF
Total/NA	Analysis	8081A_ASP		1	119546	05/20/13 13:27	LW	TAL BUF
Total/NA	Prep	7470A			119178	05/17/13 08:30	JRK	TAL BUF
Total/NA	Analysis	7470A_ASP		1	119325	05/17/13 13:38	JRK	TAL BUF
Total/NA	Prep	3005A			119213	05/17/13 10:20	SS	TAL BUF
Total/NA	Analysis	6010B_ASP		1	119500	05/17/13 19:20	LH	TAL BUF
Total/NA	Prep	9012A			119608	05/20/13 10:49	KWJ	TAL BUF
Total/NA	Analysis	9012A_ASP		1	119675	05/20/13 20:30	JE	TAL BUF

Client Sample ID: S-2

Lab Sample ID: 480-38452-4

Date Collected: 05/16/13 13:45

Matrix: Water

Date Received: 05/16/13 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B_ASP		1	119373	05/18/13 05:38	TRB	TAL BUF
Total/NA	Prep	3510C			119154	05/17/13 06:30	DE	TAL BUF
Total/NA	Analysis	8270C_ASP		1	120764	05/29/13 01:06	RMM	TAL BUF
Total/NA	Prep	3510C			119235	05/17/13 09:44	DE	TAL BUF
Total/NA	Analysis	8082		1	119426	05/18/13 16:01	DB	TAL BUF
Total/NA	Prep	3510C			119430	05/18/13 09:41	KB	TAL BUF
Total/NA	Analysis	8081A_ASP		1	119546	05/20/13 13:45	LW	TAL BUF
Total/NA	Prep	3510C			119430	05/18/13 09:41	KB	TAL BUF
Total/NA	Analysis	8081A_ASP		1	119546	05/20/13 13:45	LW	TAL BUF
Total/NA	Prep	7470A			119178	05/17/13 08:30	JRK	TAL BUF
Total/NA	Analysis	7470A_ASP		1	119325	05/17/13 13:40	JRK	TAL BUF
Total/NA	Prep	3005A			119213	05/17/13 10:20	SS	TAL BUF
Total/NA	Analysis	6010B_ASP		1	119500	05/17/13 19:23	LH	TAL BUF
Total/NA	Prep	9012A			119608	05/20/13 10:49	KWJ	TAL BUF
Total/NA	Analysis	9012A_ASP		1	119675	05/20/13 20:31	JE	TAL BUF

Client Sample ID: DUP

Lab Sample ID: 480-38452-5

Date Collected: 05/16/13 00:00

Matrix: Water

Date Received: 05/16/13 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B_ASP		1	119373	05/18/13 06:06	TRB	TAL BUF
Total/NA	Prep	3510C			119154	05/17/13 06:30	DE	TAL BUF

Lab Chronicle

Client: Groundwater & Environmental Services Inc
Project/Site: Cherry Farms Annual GW Sample

TestAmerica Job ID: 480-38452-1

Client Sample ID: DUP

Lab Sample ID: 480-38452-5

Date Collected: 05/16/13 00:00
Matrix: Water
Date Received: 05/16/13 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8270C_ASP		1	120764	05/29/13 01:34	RMM	TAL BUF
Total/NA	Prep	3510C			119235	05/17/13 09:44	DE	TAL BUF
Total/NA	Analysis	8082		1	119426	05/18/13 16:17	DB	TAL BUF
Total/NA	Prep	3510C			119430	05/18/13 09:41	KB	TAL BUF
Total/NA	Analysis	8081A_ASP		1	119546	05/20/13 14:02	LW	TAL BUF
Total/NA	Prep	3510C			119430	05/18/13 09:41	KB	TAL BUF
Total/NA	Analysis	8081A_ASP		1	119546	05/20/13 14:02	LW	TAL BUF
Total/NA	Prep	7470A			119178	05/17/13 08:30	JRK	TAL BUF
Total/NA	Analysis	7470A_ASP		1	119325	05/17/13 13:42	JRK	TAL BUF
Total/NA	Prep	3005A			119213	05/17/13 10:20	SS	TAL BUF
Total/NA	Analysis	6010B_ASP		1	119500	05/17/13 19:25	LH	TAL BUF
Total/NA	Prep	9012A			119608	05/20/13 10:49	KWJ	TAL BUF
Total/NA	Analysis	9012A_ASP		1	119675	05/20/13 20:32	JE	TAL BUF

Client Sample ID: RW-4

Lab Sample ID: 480-38452-6

Date Collected: 05/16/13 09:30
Matrix: Water
Date Received: 05/16/13 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B_ASP		1	119373	05/18/13 06:34	TRB	TAL BUF
Total/NA	Prep	3510C			119154	05/17/13 06:30	DE	TAL BUF
Total/NA	Analysis	8270C_ASP		1	120764	05/29/13 02:02	RMM	TAL BUF
Total/NA	Prep	3510C			119235	05/17/13 09:44	DE	TAL BUF
Total/NA	Analysis	8082		1	119426	05/18/13 16:33	DB	TAL BUF

Client Sample ID: RW-5

Lab Sample ID: 480-38452-7

Date Collected: 05/16/13 10:30
Matrix: Water
Date Received: 05/16/13 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B_ASP		1	119373	05/18/13 07:02	TRB	TAL BUF
Total/NA	Prep	3510C			119154	05/17/13 06:30	DE	TAL BUF
Total/NA	Analysis	8270C_ASP		1	120764	05/29/13 02:29	RMM	TAL BUF
Total/NA	Prep	3510C			119235	05/17/13 09:44	DE	TAL BUF
Total/NA	Analysis	8082		1	119426	05/18/13 16:49	DB	TAL BUF

Laboratory References:

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

Certification Summary

Client: Groundwater & Environmental Services Inc
Project/Site: Cherry Farms Annual GW Sample

TestAmerica Job ID: 480-38452-1

Laboratory: TestAmerica Buffalo

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0686	07-06-13
California	NELAP	9	1169CA	09-30-13
Connecticut	State Program	1	PH-0568	09-30-14
Florida	NELAP	4	E87672	06-30-13
Georgia	State Program	4	N/A	03-31-14
Georgia	State Program	4	956	06-30-13
Georgia	State Program	4	956	03-31-14
Illinois	NELAP	5	200003	09-30-13
Iowa	State Program	7	374	03-15-15
Kansas	NELAP	7	E-10187	01-31-14
Kentucky	State Program	4	90029	12-31-13
Kentucky (UST)	State Program	4	30	04-01-14
Louisiana	NELAP	6	02031	06-30-13
Maine	State Program	1	NY00044	12-04-13
Maryland	State Program	3	294	03-31-14
Massachusetts	State Program	1	M-NY044	06-30-13
Michigan	State Program	5	9937	04-01-13 *
Minnesota	NELAP	5	036-999-337	12-31-13
New Hampshire	NELAP	1	2973	09-11-13
New Hampshire	NELAP	1	2337	11-17-13
New Jersey	NELAP	2	NY455	06-30-13
New York	NELAP	2	10026	04-01-14
North Dakota	State Program	8	R-176	03-31-14
Oklahoma	State Program	6	9421	08-31-13
Oregon	NELAP	10	NY200003	06-09-14
Pennsylvania	NELAP	3	68-00281	07-31-13
Rhode Island	State Program	1	LAO00328	12-31-13
Tennessee	State Program	4	TN02970	04-01-14
Texas	NELAP	6	T104704412-11-2	07-31-13
USDA	Federal		P330-11-00386	11-22-14
Virginia	NELAP	3	460185	09-14-13
Washington	State Program	10	C784	02-10-14
West Virginia DEP	State Program	3	252	09-30-13
Wisconsin	State Program	5	998310390	08-31-13

* Expired certification is currently pending renewal and is considered valid.

Method Summary

Client: Groundwater & Environmental Services Inc
Project/Site: Cherry Farms Annual GW Sample

TestAmerica Job ID: 480-38452-1

Method	Method Description	Protocol	Laboratory
8260B_ASP	Volatile Organic Compounds (GC/MS)	SW846	TAL BUF
8270C_ASP	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
8081A_ASP	Organochlorine Pesticides (GC)	SW846	TAL BUF
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL BUF
6010B_ASP	Metals (ICP)	SW846	TAL BUF
7470A_ASP	Mercury (CVAA)	SW846	TAL BUF
9012A_ASP	Cyanide, Total and/or Amenable	SW846	TAL BUF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

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

Sample Summary

Client: Groundwater & Environmental Services Inc
Project/Site: Cherry Farms Annual GW Sample

TestAmerica Job ID: 480-38452-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-38452-1	S-3	Water	05/16/13 14:00	05/16/13 17:00
480-38452-2	S-4	Water	05/16/13 14:30	05/16/13 17:00
480-38452-3	S-1	Water	05/16/13 13:30	05/16/13 17:00
480-38452-4	S-2	Water	05/16/13 13:45	05/16/13 17:00
480-38452-5	DUP	Water	05/16/13 00:00	05/16/13 17:00
480-38452-6	RW-4	Water	05/16/13 09:30	05/16/13 17:00
480-38452-7	RW-5	Water	05/16/13 10:30	05/16/13 17:00

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

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: M. Klein	Lab PM: Hoffman, Sally	Carrier Tracking No(s):	COC No: 480-31757-8247.2
Client Contact: ~~Jennifer Siniscalchi~~ Steve Leiby	Phone: 484 645 2302	E-Mail: sally.hoffman@testamericainc.com		Page: Page 2 of 2
Company: Groundwater & Environmental Services Inc				Job #:
Address: 495 Aero Drive Suite 3	Due Date Requested:			
City: Cheektowaga	TAT Requested (days):			
State, Zip: NY, 14225				
Phone: 800-287-7857(Tel)	PO #: 901469			
Email: jsiniscalchi@gesonline.com	WO #:			
Project Name: Cherry Farms Annual GW Sample	Project #: 48002788			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2SO3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B - (MOD) TCL list OLM04.2	8082 - TCL PCBs - OLM04.2	8270C - (MOD) TCL SVOA - OLM04.2	8081A - TCL Pesticides - OLM04.2	6010B, 7470A	9012A - Total Cyanide	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A	N	N	N	D	B		
S-3	5/16/13	1400	G	Water	N	N	→							Triple volume &
S-4	5/16/13	1430	G	Water	N	N	→							VOA's collected @
~~SW1~~ S-1	5/16/13	1330	G	Water	N	N	→							S-1 for MS/MSD
~~SW2~~ S-2	5/16/13	1345	G	Water	N	N	→							
~~SW3~~ Dup	5/16/13		G	Water	N	N	→							
S-1	5/16/13	1330	G	water	N	Y	6							
RW-4	5/16/13	0930	G	water	N	N	3	2	2					
RW-5	5/16/13	1030	G	water	N	N	3	2	2					

480-38452 Chain of Custody

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

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

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

Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	(GES)	5-16-13 / 1700			5/16/13 1700	
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 3.1 #1

6/13/2013

Login Sample Receipt Checklist

Client: Groundwater & Environmental Services Inc

Job Number: 480-38452-1

Login Number: 38452

List Source: TestAmerica Buffalo

List Number: 1

Creator: Kolb, Chris M

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	True	

APPENDIX B-1
Historical Water Level Data

Appendix B-1
Historical Water Level Data

WELL NAME	Original ELEV. TOC	Top of Screen (BTOC)	8/8/1997 DTW (FEET)	8/19/1997 DTW (FEET)	8/20/1997 DTW (FEET)	8/21/1997 DTW (FEET)	8/22/1997 DTW (FEET)	8/25/1997 DTW (FEET)	9/4/1997 DTW (FEET)	9/12/1997 DTW (FEET)	10/3/1997 DTW (FEET)	10/13/1997 DTW (FEET)	11/21/1997 DTW (FEET)	12/5/1997 DTW (FEET)	12/24/1997 DTW (FEET)
MW-1	577.68	17.32	11.55	11.58	11.61	11.40	11.23	11.50	11.78	11.74	11.38	11.50	11.32	11.48	11.79
MW-2	578.76	17.24	12.77	12.91	12.94	12.66	12.44	12.83	13.2	13.09	12.77	12.98	13.13	12.84	13.18
MW-3	571.16	10.59	5.58	5.60	5.75	5.36	5.23	5.54	5.92	5.67	5.34	5.57	5.29	5.57	5.87
MW-4	583.83	25.45	17.76	17.87	18.04	18.82		18.13	18.25	18.25	17.85	17.94	18.2	17.96	18.1
MW-5	584.14	24.76	18.35	18.50	19.06	18.83	18.79	19.02	19.18	19.05	18.6	18.74	18.47	19.11	19.19
MW-6	585.70	29.15	19.95	20.07	20.68	20.39	20.29	20.61	20.68	20.70	20.12	20.69	20.84	20.72	21.03
MW-7	586.40	23.60	20.3	20.40	21.04	20.91	20.71	21.02	21.09	21.12	20.35	20.90	21.09	21.00	21.15
OW-1	573.63	NA	8.05	8.21	8.38	8.05	7.98	8.30	8.6	8.44	8.15	8.29	8.2	8.48	8.76
OW-2	584.14	15.81	15.52	16.58	15.48	15.45	15.48	15.48	15.6	15.61	15.57	15.55	15.45	15.62	15.57
OW-3	576.25	NA	10.59	10.65	10.72	10.79	10.68	10.70	10.88	11.11	10.7	10.80	10.69	11.00	11.07
OW-4	572.21	NA	6.55	6.65	6.7	6.49	6.4	6.64	6.95	7.35	6.61	6.77	6.67	6.93	7.07
OW-5	584.16	15.94	15.92	16.04	15.87	15.76	15.88	16.12	16.22	16.25	16.36	16.40	16.75	16.75	17.06
OW-5	584.03														
OW-6	572.12	NA	6.05	6.10	6.19	6.18	6.22	6.30	6.48	6.49	6.15	6.27	6.09	6.30	6.36
OW-6	572.17														
OW-7	574.84	NA	8.74	8.79	8.92	8.88	8.97	9.10	9.3	9.28	8.81	9.05	8.96	8.92	9.04
OW-8	571.31	NA	5.37	5.42	5.5	8.42	5.38	5.61	5.8	5.80	5.44	5.60	5.59	5.53	5.6
OW-9	588.32	13.08	21.42	21.46	21.46	21.50	21.51	21.48	21.6	21.62	21.5	21.42	21.08	20.62	20.92
S-1	571.84		8.8	6.06	7.04	7.67	7.89	8.10	8.5	7.75	6.17	6.05	6.97	7.80	8.07
S-2	571.81		10.49	6.15	6.26		6.16	6.23			6.15	6.31	6.2	6.51	6.61
S-3	571.84		10.65	5.95	6.03		6.05	6.16	6.36	6.40	6	6.18	5.96	6.28	6.33
S-4	571.51		8.74	5.39	5.55	5.55	6.61	5.76	5.95	5.92	5.4	5.72	5.65	5.57	5.68
RW-1	581.82		16.25	16.32	22.2								16.13	22.17	22.17
RW-2	581.82		15.91	15.99	22.18								15.85	22.10	21.37
RW-3	582.30		16.37	16.48	16.66								10.30	22.63	22.70
RW-4	581.83	25.08	15.95	16.09	22.25								19.06	27.77	28.45
RW-5	582.05	24.51		16.37	22.4								16.39	37.67	22.44
RW-6	570.76		4.89	5.05	11.02								5.21	10.05	10.93
RW-7	570.67		4.78	4.93	11.05								4.91	10.55	11.06
RW-8	583.83		17.92	18.07	23.14								22.39	22.51	23.09
RW-9	583.86		17.88	18.00	24.1								24.05	23.36	23.58
RW-10	583.28		17.09	17.21	23.55								23.47	23.39	23.52
RW-11	581.22		15.1	15.18	20.28								20.95	20.24	20.09
SG	568.89														
SG	567.75														

** Staff Gauge, OW-5, and OW-6 were re-surveyed in June 2011.

Appendix B-1
Historical Water Level Data

		1/6/1998	2/2/1998	2/18/1998	4/1/1998	4/27/1998	5/27/1998	6/25/1998	7/31/1998	8/27/1998	9/28/1998	10/21/1998	11/23/1998	12/29/1998
	Original													
WELL	ELEV.	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW
NAME	TOC	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)
MW-1	577.68	11.48	11.62	11.53	11.1	11.34	11.37	11.50	11.58	11.65	11.75	11.95	12.41	12.63
MW-2	578.76	12.80	12.81	12.82	12.36	12.57	12.69	12.69	12.91	12.84	12.96	13.11	13.67	13.95
MW-3	571.16	5.45	5.45	5.48	5.12	5.31	5.5	5.59	5.79	5.90	5.96	6.08	6.46	7.05
MW-4	583.83	20.17		18.06	18.02	17.90	18	17.99	18.09	18.18	18.18	18.45	18.87	19.30
MW-5	584.14	18.91	18.82	19.04	18.69	18.78	18.04	18.65	18.73	18.48	18.6	18.92	19.36	19.74
MW-6	585.70	20.43	20.34	20.80	20.3	20.10	20.38	20.28	20.48	19.93	20.32	20.30	21.14	21.69
MW-7	586.40	20.80	20.57	20.92	20.61	20.63	20.78	20.77	21.05	20.41	20.78	21.00	21.7	22.13
OW-1	573.63	8.42	8.38	8.50	7.98	8.08	8.25	8.23	8.41	8.30	8.38	8.69	9.14	9.66
OW-2	584.14	15.77	15.8	15.62	15.88	15.99	15.93	15.81	16.04	16.00	15.94	15.94	15.94	16.00
OW-3	576.25	10.80	10.58	10.92	10.55	10.63	10.6	10.91	10.55	10.03	10.1	10.42	10.8	11.38
OW-4	572.21	6.76	6.62	6.90	6.45	6.48	6.6	6.80	6.53	5.91	6.16	6.41	6.88	7.47
OW-5	584.16	17.10	17.11	16.92	17.16	17.42	17.33	17.39	17.53	17.06	16.96	17.06	16.95	17.32
OW-5	584.03													
OW-6	572.12	5.97	5.7	6.03	5.82	6.01	6.22	6.56	6.25	4.28	4.45	5.03	5.64	6.77
OW-6	572.17													
OW-7	574.84	8.51	8.23	8.50	8.3	8.58	8.98	9.26	8.95	7.62	6.4	7.25	8.07	9.62
OW-8	571.31	5.27	5.15	5.31	5.22	5.34	5.71	5.74	5.77	4.69	3.92	5.23	5.36	6.43
OW-9	588.32	20.72	20.36	20.48	20.32	20.56	21.12	21.55			17.43	18.63	20.08	
S-1	571.84	6.40	6.45	7.68	5.84	5.99	6	7.56	7.32	6.86	5.75	7.70	7.23	7.95
S-2	571.81	6.28	6.07	6.38	6.01	6.10	6.14	6.40	6.08	5.37	5.59	5.88	6.29	6.92
S-3	571.84	5.88	5.63	6.03	5.75	5.94	6.1	6.47	6.01	4.51	4.8	5.23	5.78	6.70
S-4	571.51	5.10	4.56	4.79	4.92	5.28	5.83	5.79	5.63	5.51	3.02	3.42	4.7	6.61
RW-1	581.82	21.18	16.28	19.42	21.51	21.31	21.2	21.53	21.28	21.08	21.85	25.35	17.23	27.15
RW-2	581.82	21.95	21.85	21.32	21.61	22.04	21.93	21.37	21.55	21.53	21.4	25.61	26.01	25.88
RW-3	582.30	19.77	21.96	22.29	22.68	22.10	22.12	22.24	22.65	21.59	22.19	26.55	26.77	38.32
RW-4	581.83	28.46	21.51	28.30	28.47	21.95	21.12	21.95	21.81	22.08	21.52	24.51	24.53	17.29
RW-5	582.05	22.28	21.7	21.47	33.98	22.27	21.51	18.37	22.02	22.28	21.75	25.42	37.62	25.61
RW-6	570.76	10.14	10.9	10.46	10.4	10.19	10.55	8.05	10.42	10.12	5.36	15.20	14.23	14.63
RW-7	570.67	10.47	10.79	10.85	10.4	10.65	10.23	5.26	10.05	10.37	19.8	14.97	5.72	22.12
RW-8	583.83	18.47	18.4	22.26	22.68	22.63	22.6	18.40	18.45	22.23	22.69	27.12	26.7	26.12
RW-9	583.86	18.45	18.37	23.58	21.75	18.12	18.4	18.24	18.5	17.71	23.93	18.31	27.23	19.63
RW-10	583.28	23.50	22.45	22.82	22.98	23.03	23.26	17.55	23.36	22.79	23.35	23.31	23.52	22.65
RW-11	581.22	20.95	20.83	20.09	20.28	21.13	20.58	17.84		20.32	21.07	20.74	21.21	23.12
SG	568.89													
SG	567.75													

Appendix B-1
Historical Water Level Data

		1/28/1999	2/22/1999	3/29/1999	4/19/1999	5/28/1999	6/25/1999	7/25/1999	8/27/1999	9/27/1999	10/25/1999	11/8/1999	12/22/1999
	Original												
WELL	ELEV.	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW
NAME	TOC	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)
MW-1	577.68	12.33	12.65	12.32	12.17	12.08	12.48	12.21	12.20	12.41	12.22	12.73	12.55
MW-2	578.76	13.75	13.89	13.75	13.56	13.43	13.81	13.40	13.45	13.71	13.55	14.22	13.99
MW-3	571.16	6.46	6.69	6.50	5.97	6.12	6.46	6.25	6.16	6.78	6.12	6.54	6.40
MW-4	583.83	19.07	19.12	18.84	18.71	18.58	18.92	18.72	18.56	18.72	18.59	19.09	19.27
MW-5	584.14	19.71	19.79	19.61	19.5	19.27	19.51	19.30	19.24	19.39	19.24	19.96	19.83
MW-6	585.70	21.65	21.68	21.58	21.37	21.34	21.32	20.90	21.02	21.25	21.24	21.95	21.53
MW-7	586.40	21.73	21.76	21.74	21.61	21.64	21.78	21.51	21.52	21.73	21.65	22.02	21.79
OW-1	573.63	9.39	9.56	9.36	8.89	8.91	9.12	8.61	8.78	9.30	9.01	9.58	9.40
OW-2	584.14	16.21	16.35	16.03	16.43	16.33	16.42	16.23	16.36	16.40	16.57	16.59	16.48
OW-3	576.25	11.25	11.29	11.27	11.26	11.15	11.48	11.29	11.34	11.35	11.33	11.37	11.33
OW-4	572.21	7.29	7.34	7.28	7.24	7.13	7.45	7.17	7.26	7.39	7.26	7.45	7.38
OW-5	584.16	17.8	18.08	17.95	18.17	18.22	18.13	18.18	18.24	18.43	18.45	18.51	18.58
OW-5	584.03												
OW-6	572.12	6.51	6.63	6.67	6.77	6.78	7.06	6.91	6.96	7.04	6.94	6.89	6.88
OW-6	572.17												
OW-7	574.84	9.23	9.42	9.53	9.61	9.49	9.99	9.73	9.81	9.90	9.96	9.93	9.78
OW-8	571.31	6.16	6.26	6.36	6.32	6.31	6.81	6.40	6.45	6.63	6.76	6.81	6.67
OW-9	588.32				21.64	21.75	21.94	22.02	21.97	22.11	21.88	21.67	21.72
S-1	571.84	7.68	7.61	7.76	7.71	7.62	7.59	7.67	7.65	7.60	7.52	7.80	7.51
S-2	571.81	6.77	6.8	6.78	6.77	6.65	7.01	6.78	6.82	6.95	6.72	6.91	6.86
S-3	571.84	6.41	8.34	6.53	6.61	6.6	6.91	6.73	6.82	6.79	6.71	6.74	6.73
S-4	571.51	5.97	6.13	6.28	6.32	6.39	6.95	6.37	6.33	6.44	7.05	7.03	7.04
RW-1	581.82	35.55	34.91	30.40	16.85	25.8	17.24	16.81	25.90	26.35		17.48	17.35
RW-2	581.82	26.32	25.81	25.70	25.4	25.65	25.40	26.40	25.51	17.08	17.10	25.51	36.32
RW-3	582.30	26.43	26.71	26.51	26.67	26.51	26.52	36.58	17.19	17.35	27.25	27.25	37.21
RW-4	581.83	25.25	24.91	25.21	25.31	24.66	17.12	21.63	22.82	22.45	22.95	17.52	22.45
RW-5	582.05	25.68	37.84	37.57	37.68	26.03	37.85	37.71	26.54	25.96	17.31	35.95	25.75
RW-6	570.76	6.32	6.29	14.50	15.4	15.48	6.27	15.26	15.31	14.94	15.19	6.67	6.49
RW-7	570.67	14.95	14.9	14.07	14.96		14.83	14.97	14.90	13.38	24.03	14.92	14.96
RW-8	583.83	26.57	26.11	26.62	26.9	26.27	19.29	26.27	26.31	19.22	26.37	26.90	26.21
RW-9	583.86	27.65	27.78	27.17	27.55		19.32	27.25	27.30	19.29	27.05	27.32	19.51
RW-10	583.28	23.11	23.03	23.56	23.45	23.36	23.33	23.07	23.20	23.04	22.85	22.88	23.08
RW-11	581.22	22.77	22.86	23.23	22.95	22.97	22.77	23.46	23.40	23.27	22.76	23.28	23.22
SG	568.89												
SG	567.75												

Appendix B-1
Historical Water Level Data

		1/27/2000	2/25/2000	3/24/2000	4/26/2000	5/26/2000	6/26/2000	7/21/2000	8/28/2000	9/29/2000	11/1/2000	11/30/2000	12/11/2000
	Original												
WELL	ELEV.	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW
NAME	TOC	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)
MW-1	577.68	11.66	12.72	12.76	12.55	12.25	11.97	11.86	12.14	12.14	12.67	12.91	13.02
MW-2	578.76	12.91	14.20	14.32	14.05	13.70	13.43	13.32	13.56	13.57	14.14	14.46	14.63
MW-3	571.16	5.51	6.84	6.72	6.75	6.29	5.75	5.68	6.04	6.42	6.84	6.72	7.39
MW-4	583.83	19.17	18.40	19.34	19.07	15.05	16.52	16.23	17.42	18.8	19.35	13.50	18.87
MW-5	584.14	19.52	20.07	20.05	19.93	19.46	19.07	18.82	19.02	19.85	19.93	20.36	20.35
MW-6	585.70	21.10	22.01	22.04	21.52	21.35	21.02	20.53	21.14	21.08	21.65	21.95	22.18
MW-7	586.40	21.70	22.20	22.11	21.71	21.47	21.12	20.78	21.39	21.33	21.95	22.35	22.29
OW-1	573.63	8.45	9.72	9.65	9.72	9.15	8.68	8.52	8.84	9.14	9.42	9.60	10.13
OW-2	584.14	15.81	16.58	16.48	16.63	16.72	16.59	16.43	16.48	16.38	16.41	16.72	16.41
OW-3	576.25	11.20	11.53	11.34	11.26	11.18	10.79	10.75	10.88	11.21	11.65	11.85	11.77
OW-4	572.21	7.21	7.44	7.42	7.35	7.15	6.73	6.73	6.9	7.27	7.83	8.19	7.83
OW-5	584.16	18.47	18.61	18.43	18.28	18.21	17.91	17.71	17.7	17.68	17.98	18.27	18.31
OW-5	584.03												
OW-6	572.12	6.57	7.12	6.89	6.85	6.70	6.17	6.19	6.49	6.93	7.37	7.55	7.40
OW-6	572.17												
OW-7	574.84	9.61	9.78	10.03	9.71	9.43	8.76	8.88	9.27	10.35	10.72	10.24	10.43
OW-8	571.31	6.33	6.72	6.87	6.49	6.31	6.04	6.03	6.33	7.01	7.34	6.93	7.14
OW-9	588.32	21.62	21.99	21.78	21.51	21.48	21.20	21.21	21.65	21.88	22.11	22.22	22.20
S-1	571.84	7.02	7.85	7.65	7.71	7.79	7.85	7.47	7.78	7.61	7.63	7.55	7.62
S-2	571.81	6.51	6.94	6.83	6.78	6.60	6.17	6.15	6.35	6.79	7.35	7.69	7.31
S-3	571.84	6.59	6.81	6.68	6.68	6.55	5.99	6.03	6.27	6.85	7.52	7.78	7.41
S-4	571.51	6.86	6.88	7.15	6.72	6.14	5.61	5.61	5.96	7.81	7.91	7.03	7.33
RW-1	581.82	17.66	34.67	17.60	25.64	25.68	16.61	16.57		33.05	17.38	16.57	26.50
RW-2	581.82	36.30	25.27	25.52	25.91	25.95	25.46	16.37		26.05	25.45	25.82	25.61
RW-3	582.30	37.10	28.23	27.87	23.09	19.83	19.68	16.82		38.22	36.06	38.47	37.34
RW-4	581.83	23.02	22.43	22.32	22.49	21.78	21.91	16.46		16.88	25.85	26.60	26.27
RW-5	582.05	25.31	26.00	30.41	25.65	26.20	26.47	16.74		37.06	37.83	36.50	37.41
RW-6	570.76	6.59	6.88	6.84	15.17	9.76	5.82	5.48		15.43	15.08	19.48	22.90
RW-7	570.67	14.44	14.50	26.89	14.00	14.28	14.24	5.37		5.84	14.3	14.10	19.55
RW-8	583.83	26.11	26.33	26.67	26.37	26.32	26.63	18.55	18.85	18.95	26.32	26.30	20.18
RW-9	583.86	19.30	27.68	27.10	19.44	27.58	27.10	18.50	21.55	18.95	19.5	19.91	20.13
RW-10	583.28	23.20	23.25	23.38	22.83	22.63	22.29	21.67	22.25	23.25	23.04	22.70	22.82
RW-11	581.22	23.20	23.34	23.25	22.80	22.71	23.36	23.32	23.42	23.09	22.78	23.44	22.85
SG	568.89								0.73	0.65	0.06	0.3	DRY
SG	567.75												

Appendix B-1
Historical Water Level Data

		1/22/2001	2/27/2001	3/16/2001	4/20/2001	5/30/2001	6/18/2001	8/1/2001	8/24/2001	9/25/2001	10/22/2001	12/11/2001
	Original											
WELL	ELEV.	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW
NAME	TOC	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)
MW-1	577.68	12.96	12.58	12.77	12.30	12.11	12.22	12.63	12.79	12.67	12.67	12.98
MW-2	578.76	14.32	14.11	14.45	13.75	13.61	13.69	13.93	14.13	13.90	14.08	14.50
MW-3	571.16	7.03	6.90	6.96	6.21	6.02	6.21	7.01	7.03	7.05	6.76	7.31
MW-4	583.83	19.69	19.32	19.39	19.00	18.83	18.87	19.22	19.52	19.51	12.27	14.45
MW-5	584.14	20.27	20.04	20.12	19.62	19.42	19.37	19.55	19.80	19.67	19.77	20.23
MW-6	585.70	21.84	21.76	22.34	21.41	21.25	21.21	21.32	21.47	21.43	21.65	21.92
MW-7	586.40	22.11	21.82	22.13	21.60	21.44	21.47	21.76	21.81	21.89	21.92	22.06
OW-1	573.63	9.97	9.78	9.75	9.10	8.90	8.99	9.60	9.67	9.53	9.59	10.10
OW-2	584.14	16.73	16.63	9.84	16.60	16.59	16.77	16.71	14.67	16.66	15.11	15.18
OW-3	576.25	11.83	11.63	11.47	11.42	11.21	11.16	11.67	11.71	11.79	11.45	11.45
OW-4	572.21	7.98	7.67	7.60	7.51	7.20	7.15	7.73	7.68	7.72	7.50	7.53
OW-5	584.16	18.58	18.48	18.53	18.24	18.25	18.14	18.16	18.24	18.32	18.52	18.65
OW-5	584.03											
OW-6	572.12	7.41	7.11	6.95	6.95	6.65	6.67	7.29	7.26	7.34	7.05	7.01
OW-6	572.17											
OW-7	574.84	10.28	9.90	9.65	9.73	9.38	9.38	10.12	10.17	10.30	9.87	9.91
OW-8	571.31	6.92	6.51	6.54	6.49	6.40	6.45	6.81	6.91	6.98	6.79	6.92
OW-9	588.32	22.03	21.70	21.73	21.65	21.67	21.78	22.12	22.17	22.37	22.06	21.90
S-1	571.84	7.59	7.95	7.57	7.68	7.65	7.56	7.53	7.27	7.26	6.56	8.21
S-2	571.81	7.49	7.09	6.96	6.94	6.56	6.55	7.17	7.15	7.23	6.91	6.91
S-3	571.84	7.53	7.1	6.9	6.91	6.46	6.47	7.29	7.13	7.27	6.91	6.85
S-4	571.51	7.00	6.51	6.32	6.46	6.08	5.88	6.56	6.59	6.71	6.45	6.72
RW-1	581.82	35.65	34.39	17.82	17.05	16.71	16.95	33.22	27.04	32.51	33.12	35.85
RW-2	581.82	26.29	25.90	25.94	26.07	15.15	25.45	25.69	17.50	25.31	25.43	25.50
RW-3	582.30	34.30	28.45	21.10	29.14	30.56	30.58	28.61	35.13	32.19	22.65	34.11
RW-4	581.83	25.45	25.47	17.97	25.40	25.48	25.77	17.26	26.33	26.35	17.46	26.16
RW-5	582.05	37.70	28.55	22.27	21.82	21.01	20.51	20.58	22.95	24.00	24.90	25.49
RW-6	570.76	16.40	13.14	11.29	10.24	6.08	6.06	14.77	6.40	14.30	14.71	15.35
RW-7	570.67	6.70	6.51	6.90	18.35	14.55	14.88	14.43	6.29	14.99	14.92	6.75
RW-8	583.83	26.08	19.36	26.09	18.86	26.85	18.46	19.33	26.41	19.38	19.55	26.45
RW-9	583.86	19.78	27.15	27.52	27.42	28.01	27.04	19.32	19.45	27.23	27.26	19.77
RW-10	583.28	23.33	22.62	22.95	22.76	22.46	22.74	22.64	18.74	23.33	23.03	22.55
RW-11	581.22	23.70	23.61	23.68	23.65	22.90	22.76	23.07	23.53	23.36	23.49	23.55
SG	568.89	DRY	DRY	DRY	0.44	0.52	0.62	0.54	0.35	0.62	0.3	DRY
SG	567.75											

Appendix B-1
Historical Water Level Data

		1/23/2002	2/20/2002	3/28/2002	4/24/2002	5/23/2002	6/17/2002	7/25/2002	8/20/2002	9/18/2002	10/18/2002	11/22/2002	12/16/2002
	Original												
WELL	ELEV.	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW
NAME	TOC	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)
MW-1	577.68	12.58	12.48	12.48	12.07	11.87	11.90	12.45	12.28	12.44	12.40	12.80	12.66
MW-2	578.76	14.11	13.91	13.96	13.48	13.25	13.26	13.80	13.57	13.62	13.65	14.30	14.25
MW-3	571.16	7.04	6.75	6.89	6.51	6.29	6.21	6.89	6.81	6.95	6.24	6.61	6.55
MW-4	583.83	8.50	16.02	16.51	18.55	18.64	18.81	19.25	19.02	19.12	18.76	19.05	19.05
MW-5	584.14	19.88	19.67	19.71	19.25	19.04	19.10	19.56	19.31	19.52	19.23	20.01	20.04
MW-6	585.70	21.81	21.64	21.56	20.96	20.87	20.81	21.22	21.02	21.22	21.02	21.81	21.85
MW-7	586.40	21.74	21.43	21.60	20.90	20.73	20.94	21.55	21.35	21.50	21.45	22.01	21.89
OW-1	573.63	9.77	9.55	9.67	9.28	8.82	8.93	7.42	9.28	9.31	8.86	9.51	9.55
OW-2	584.14	15.21	16.29	16.41	15.37	16.17	16.06	16.20	16.30	16.22	15.12	16.09	16.42
OW-3	576.25	11.15	10.84	10.86	10.47	10.37	10.58	10.83	10.87	11.08	11.26	11.25	11.69
OW-4	572.21	7.21	6.98	6.94	6.61	6.53	6.63	6.94	6.92	7.08	7.24	7.44	7.62
OW-5	584.16	18.01	17.69	17.70	17.40	17.15	17.30	17.41	17.39	17.57	17.79	17.84	18.00
OW-5	584.03												
OW-6	572.12	6.54	6.14	6.22	5.72	5.57	5.88	6.40	6.48	6.73	6.89	6.75	6.73
OW-6	572.17												
OW-7	574.84	9.23	8.71	8.87	8.31	8.07	8.47	9.02	9.21	9.48	9.53	9.82	9.62
OW-8	571.31	6.46	6.02	6.18	5.77	5.55	5.87	6.40	6.30	6.58	6.64	6.70	6.58
OW-9	588.32	21.38	20.92	21.27	20.77	20.48	21.07	21.68	21.87	22.07	22.17	21.94	21.75
S-1	571.84	7.95	7.90	7.72	5.82	5.85	6.15	6.19	6.15	5.92	5.95	7.95	7.65
S-2	571.81	6.57	6.31	6.30	5.89	5.83	6.01	6.33		6.60	6.75	6.97	7.10
S-3	571.84	6.4	5.98	6.03	5.54	5.42	5.68	6.11	6.27	6.54	6.69	6.56	6.52
S-4	571.51	6.16	5.39	5.64	5.07	4.72	5.23	5.71	5.98	6.26	6.42	6.94	7.00
RW-1	581.82	34.45	26.78	34.11	32.39	31.25	26.25	33.71	34.30	34.22	17.11	11.85	8.92
RW-2	581.82	25.57	25.61	26.32	25.47	26.40	25.35	25.99	26.50	17.35	16.90	16.06	14.96
RW-3	582.30	31.95	30.25	29.02	26.10	29.27	30.10	31.28	32.20	33.89	17.35	13.05	17.39
RW-4	581.83	17.55	25.94	17.45	16.55	16.75	25.85	25.97	17.04	26.35	17.01	17.41	17.41
RW-5	582.05	17.75	17.48	23.81	23.55	22.15	22.53	27.20	27.61	35.15	17.29	16.15	17.67
RW-6	570.76	8.29	7.48	7.61	14.80	14.12	14.81	11.07	14.95	14.61	6.11	6.25	6.35
RW-7	570.67	14.75	14.90	14.50	14.43	14.31	14.95	14.95	14.79	14.78	5.98	4.21	6.41
RW-8	583.83	26.70	26.07	27.03	18.95	26.76	19.05	19.18	18.99	19.12	19.05	19.52	19.65
RW-9	583.86	27.15	27.07	26.91	18.81	27.92	27.71	28.10	28.41	27.64	19.01	19.22	18.74
RW-10	583.28	23.05	22.88	23.20	17.89	17.85	17.93	21.35	18.15	18.49	18.46	18.81	18.68
RW-11	581.22	23.22	23.59	23.12	15.38	22.81	15.61	22.51	23.11	23.55	16.37	16.55	16.37
SG	568.89	DRY	DRY	DRY	0.4	0.65	0.65	0.65	0.65	0.8	0.65	DRY	DRY
SG	567.75												

Appendix B-1
Historical Water Level Data

		1/30/2003	2/28/2003	3/11/2003	4/15/2003	5/28/2003	6/23/2003	7/18/2003	8/29/2003	9/24/2003	10/24/2003	11/25/2003	12/15/2003
	Original												
WELL	ELEV.	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW
NAME	TOC	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)
MW-1	577.68	12.77	12.63	12.49	11.99	11.91	11.68	12.18	12.40	12.39	12.61	12.21	12.56
MW-2	578.76	14.50	14.51	14.24	13.68	13.59	13.30	13.68	13.75	13.68	14.10	13.76	14.04
MW-3	571.16	7.09	6.96	6.68	6.16	6.08	5.82	6.29	6.48	6.36	6.50	6.25	6.48
MW-4	583.83				18.50	18.38	18.12	18.51	18.60	18.58	18.81	16.37	17.68
MW-5	584.14		20.15	19.96	19.27	19.17	18.83	19.17	19.30	19.21	19.68	19.26	19.72
MW-6	585.70	21.88	22.04	21.81	21.11	21.02	20.67	21.15	21.08	21.09	21.48	21.30	21.45
MW-7	586.40	22.00	22.09	21.85	21.11	21.27	20.93	21.28	21.47	21.53	21.73	21.23	21.53
OW-1	573.63	9.82	9.83	9.63	9.03	8.74	8.55	8.97	9.11	9.05	9.38	8.91	9.32
OW-2	584.14		16.15	16.38	16.26	16.20	16.15	16.35	16.21	16.11	16.34	16.09	16.21
OW-3	576.25	11.53	11.83	11.91	11.19	11.10	11.00	10.98	11.56	11.81	11.74	11.13	11.21
OW-4	572.21	7.72	8.10	7.80	7.26	7.22	7.03	7.08	7.86	7.82	7.87	7.15	7.30
OW-5	584.16		17.98	18.12	17.84	17.64	17.60	17.46	17.51	17.64	17.95	17.56	17.39
OW-5	584.03												
OW-6	572.12	6.85	7.07	6.92	6.35	6.56	6.47	6.41	7.05	7.21	7.12	6.57	6.61
OW-6	572.17												
OW-7	574.84	10.17	10.42	9.73	8.89	7.39	9.23	9.52	10.64	10.43	10.37	9.27	9.71
OW-8	571.31	6.95	7.20	6.75	6.06	6.36	6.21	6.45	7.11	6.77	6.88	6.15	6.51
OW-9	588.32	21.78	21.88	21.81	21.19	21.59	21.68	21.79	22.02	22.11	21.96	21.63	21.31
S-1	571.84	7.70	7.52	7.12	7.52	7.45	7.75	6.98	7.85	7.74	7.95	7.72	7.45
S-2	571.81		7.54	7.06	6.62	6.64	6.40	6.38	7.21	7.46	7.36	6.56	6.67
S-3	571.84		6.83	6.50	6.15	6.35	6.10	6.00	6.35	6.92	7.04	6.15	6.34
S-4	571.51	7.58	7.82	6.48	5.56	6.35	6.17	7.06	8.94	7.35	7.61	5.92	7.02
RW-1	581.82	17.60	17.53	17.17	16.65	16.69	16.20	16.65	17.09	17.05	16.97	15.11	17.18
RW-2	581.82	17.40	17.31	17.25	17.31	16.67	16.21	16.47	16.85	16.77	16.85	16.30	16.90
RW-3	582.30	17.90	17.86	17.68	17.07	17.18	16.60	16.39	17.17	17.03	17.31	16.12	17.50
RW-4	581.83	17.50	17.54	17.51	16.77	16.56	16.27	16.68	16.72	17.75	17.11	16.78	17.21
RW-5	582.05	17.80	17.82	17.72	17.07	17.03	16.58	16.88	17.10	16.90	17.25	16.65	17.50
RW-6	570.76	6.50	6.67	6.49	5.88	5.77	5.34	5.75	5.88	5.84	6.21	5.62	6.18
RW-7	570.67	6.40	6.52	6.15	5.65	5.77	5.22	5.67	5.71	5.72	6.09	5.50	6.11
RW-8	583.83	19.60	19.78	18.67	18.85	18.81	18.43	18.87	18.82	18.81	19.21	19.00	20.21
RW-9	583.86		17.77	19.53									
RW-10	583.28		18.88	19.68	17.91	17.92	17.65	18.14	18.15	18.18	18.46	18.10	18.30
RW-11	581.22				15.58	15.85	15.43	15.82	16.08	15.91	16.14	15.65	16.02
SG	568.89				0.2	0.5	0.95	0.45	0.85	0.8	0.2	0.15	0.1
SG	567.75												

Appendix B-1
Historical Water Level Data

		1/20/2004	2/26/2004	3/9/2004	4/23/2004	5/27/2004	6/7/2004	7/21/2004	8/20/2004	9/24/2004	10/28/2004	2/15/2005	4/20/2005	8/1/2005	12/8/2005
	Original														
WELL	ELEV.	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW
NAME	TOC	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)
MW-1	577.68	12.27	12.54	12.11	11.90	11.52	11.60	11.74	11.59	11.70	12.43	11.70	11.54	11.98	12.42
MW-2	578.76	13.91	14.36	14.05	13.68	13.25	13.25	13.36	13.23	13.32	14.06	13.38	13.25	16.42	14.20
MW-3	571.16	6.55	6.90	6.50	6.13	5.88	5.80	5.84	5.78	5.93	6.52	5.95	5.83	6.32	6.71
MW-4	583.83				1.85	1.65	16.20	18.13	17.97	18.07	18.80		14.45	18.28	18.80
MW-5	584.14	19.52		19.75	19.26	18.89	18.80	18.83	18.72	18.78	19.55	19.14	18.73	18.90	19.80
MW-6	585.70	21.28	21.92	21.52	20.95	20.81	20.57	20.76	20.49	20.61	21.36	20.85	20.45	20.72	21.58
MW-7	586.40	21.35	21.97	21.39	20.98	20.76	20.72	20.92	20.75	20.72	21.57	20.87	20.45	21.10	21.45
OW-1	573.63	9.21	9.60	9.25	8.91	8.65	8.49	8.65	8.57	8.65	9.33	5.80	8.51	8.76	9.33
OW-2	584.14	16.15	15.84	16.05	15.11	15.65	15.91	15.47	15.65	15.60	15.62	3.31	15.26	15.26	15.15
OW-3	576.25	10.94	11.18	10.71	10.36	10.47	10.44	10.62	10.47	10.37	10.60	10.23	9.48	10.61	10.12
OW-4	572.21	7.07	7.31	6.91	6.62	6.60	6.62	6.78	6.63	6.59	6.91	6.23	6.04	6.81	6.72
OW-5	584.16			17.39	16.88	16.52	16.65	16.70	16.61	16.45	16.78	16.52	16.05	16.67	17.31
OW-5	584.03														
OW-6	572.12	6.37	6.64	6.05	5.62	5.73	5.80	6.17	5.97	5.82	6.36	5.05	4.85	6.27	5.80
OW-6	572.17														
OW-7	574.84	9.19	9.65	8.67	8.25	8.48	8.58	9.15	8.67	8.57	9.38	7.62		9.00	8.51
OW-8	571.31	6.19	6.62	5.85	5.75	5.87	5.89	6.22	5.90	5.82	6.53	5.65	5.37	6.22	5.85
OW-9	588.32	21.26	21.60	20.96	20.55	20.76	20.90	21.33	21.17	20.83	21.43	20.58	19.96	21.62	20.77
S-1	571.84	7.27	7.76	8.45	7.85	7.60	7.75	7.55	7.60	7.53	7.87	7.23	4.95	8.12	5.45
S-2	571.81	6.43	6.69	6.15	5.85	5.92	5.92	6.14	5.96	5.96	6.15	5.23	4.90	6.08	5.65
S-3	571.84	6.20	6.45	5.75	5.54	5.58	5.58	6.00	5.72	5.72	6.15	4.84	4.36	6.02	5.54
S-4	571.51	6.32	7.04	5.79	5.67	5.86	5.94	6.64	5.72	5.72	7.02	5.38	4.03	5.67	5.92
RW-1	581.82	17.05	16.51	15.45	14.75	14.42	16.49	16.39	16.14	16.33	17.17	13.96	16.39	NA	NA
RW-2	581.82	16.82	17.26	14.90	16.30	15.95	16.31	16.20	16.14	16.27	16.99	15.54	16.31	NA	NA
RW-3	582.30	17.21	17.80	15.65	15.90	15.55	16.69	16.60	16.50	16.64	17.34	5.92	16.72	NA	NA
RW-4	581.83	17.01	17.61	17.23	16.80	16.48	16.30	16.29	16.19	16.27	17.07	16.64	16.25	16.35	17.32
RW-5	582.05	17.21	17.72	17.38	16.95	16.63	16.58	16.60	16.34	16.59	17.39	13.50	16.52	16.65	17.53
RW-6	570.76	5.90	5.80	6.18	5.82	5.50	5.38	5.45	5.27	5.32	6.11	3.62	5.25	NA	NA
RW-7	570.67	5.85	6.52	5.98	5.40	5.28	5.25	5.27	5.17	5.22	6.01	1.60	5.13	NA	NA
RW-8	583.83	19.03	19.68	19.25	18.80	18.65	18.31	18.45	18.25	18.35	19.11	18.60	18.20	NA	NA
RW-9	583.86													NA	NA
RW-10	583.28	18.11	18.94	18.15	17.78	17.65	17.50	17.69	17.48	17.45	18.27	17.61	17.20	NA	NA
RW-11	581.22	15.80	16.45	15.77	15.48	15.15	15.09	15.44	15.28	15.20	16.11	15.37	14.90	NA	NA
SG	568.89				0.4	0.6	1.0	0.9	0.9	0.9	0.1	0.4	0.9	1.1	DRY
SG	567.75														

Appendix B-1
Historical Water Level Data

		3/21/2006	6/23/2006	9/26/2006	12/19/2006	12/27/2007	3/31/2008	6/27/2008	9/26/2008	11/5/2008	3/4/2009	6/19/2009	9/9/2009	12/24/2009
	Original													
WELL	ELEV.	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW
NAME	TOC	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)
MW-1	577.68	12.01	11.56	11.48	12.10	12.11	10.33	11.91	12.23	12.48	12.04	11.75	11.94	12.44
MW-2	578.76	13.77	13.10	13.33	13.78	13.95	13.36	13.59	13.91	14.29	13.72	13.35	13.58	14.21
MW-3	571.16	6.44	5.83	5.87	6.30	6.51	5.80	6.03	6.52	6.74	6.29	5.82	6.39	6.70
MW-4	583.83	18.71	17.95	16.40	16.18	17.36		18.31	18.62	19.01	18.44	18.1	18.32	18.96
MW-5	584.14	19.47	18.58	18.94	19.31	19.72	18.93	19.01	19.32	19.79	19.27	18.8	19.01	19.81
MW-6	585.70	21.29	20.49	20.73	20.95	21.49	20.66	20.84	21.29	21.71	21.06	20.65	20.63	21.59
MW-7	586.40	21.22	20.75	20.94	20.96	21.33	20.54	21.08	21.44	21.83	20.93	20.8	21.01	21.18
OW-1	573.63	9.17	8.37	8.58	8.93		8.34	8.86	9.21	9.52	8.89	8.5	8.82	9.31
OW-2	584.14	15.30	15.13	15.11	15.15		15.22	15.29	15.41	15.47	15.36	15.1	15.16	15.15
OW-3	576.25	9.58	10.20	10.13	9.16		8.82	9.98	10.40	10.51	9.49	9.75	9.79	9.38
OW-4	572.21	6.47	6.51	6.65	6.24		6.25	6.82	7.21	7.38	6.57	6.52	6.66	6.69
OW-5	584.16	16.39	16.72	16.80	16.08		11.70	16.35	16.80	16.98	16.52	15.98	16.09	16.12
OW-5	584.03													
OW-6	572.12	5.47	5.95	5.91	4.80		4.32	5.59	6.16	6.35	4.99	5.27	5.46	5.11
OW-6	572.17													
OW-7	574.84	8.17	8.65	5.63	7.38		6.88	8.29	8.99	9.16	7.66	7.95	8.24	7.76
OW-8	571.31	5.80	5.98	5.97	5.40		5.11	5.81	6.41	6.61	5.41	5.61	5.71	5.86
OW-9	588.32	20.58	21.49	21.29	20.06		19.75	20.96	21.74	21.81	20.22	20.88	20.76	21.61
S-1	571.84	7.71	5.67	5.55	4.70		4.11	7.61	9.02	5.95	5.14	5.75	7.94	4.98
S-2	571.81	5.34	5.70	5.66	4.65		4.30	5.39	5.85	5.99	4.82	5.02	5.21	4.75
S-3	571.84	5.20	5.61	5.63	4.50		4.15	5.29	5.94	5.99	4.7	4.82	5.21	4.72
S-4	571.51	5.66	5.37	5.68	4.95			5.46	6.06	6.25	4.95	5.4	5.71	5.06
RW-1	581.82	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RW-2	581.82	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RW-3	582.30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RW-4	581.83	16.95	16.08	16.42	16.80	17.24	16.45	16.45	16.85	17.18	16.77	16.28	16.49	17.51
RW-5	582.05	17.27	16.35	16.55	17.10	17.49	10.70	16.81	17.11	17.52	17.02	16.61	16.80	
RW-6	570.76	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RW-7	570.67	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RW-8	583.83	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RW-9	583.86	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RW-10	583.28	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RW-11	581.22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SG	568.89	0.7	1.8	1.0	1.8		2.8	3.1	2.6	2.0	3.43	4.25	4.1	3.1
SG	567.75													

Appendix B-1
Historical Water Level Data

		1/27/2010	4/28/2010	7/8/2010	10/18/2010	1/3/2011	6/17/2011	9/30/2011	12/23/2011	1/31/2012	6/11/2012	8/6/2012	11/28/2012
	Original												
WELL	ELEV.	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW
NAME	TOC	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)
MW-1	577.68	11.38	11.91	11.86	11.98	12.03	11.21	11.24	11.42	11.29	11.92	13.31	12.36
MW-2	578.76	12.99	13.56	13.55	16.69	13.88	12.85	12.68	13.38	12.98	13.69	13.83	14.36
MW-3	571.16	5.60	6.06	6.18	5.25	6.41	5.54	5.36	5.88	5.68	6.34	6.69	6.86
MW-4	583.83	15.36	18.41	18.31	19.45	16.42	17.61				18.41	18.77	19.03
MW-5	584.14	18.71	19.06	18.98	19.20	19.54	18.23	18.17	18.91	18.7	19.11	19.26	19.86
MW-6	585.70	20.41	20.79	20.79	20.99	21.37	20.06	19.98	20.68	20.51	21.06	21.1	21.73
MW-7	586.40	20.24	20.88	20.94	21.22	21.28	20.11	20.42	20.55	20.31	21.12	21.46	21.87
OW-1	573.63	8.29	8.61	8.81	9.02	9.03	7.88	7.92	8.48	8.16	9.11	9.18	9.56
OW-2	584.14	15.09	14.89	14.82	15.07	15.21	14.52	14.65	14.83	14.51	14.64	14.92	15.25
OW-3	576.25	8.98	9.14	9.60	9.91	9.57	8.51	9.99	8.78	8.41	9.68	10.35	10.7
OW-4	572.21	6.23	6.57		6.98	6.90	5.96	6.39	6.39	6.24	6.84	7.36	8.08
OW-5	584.16	16.04	15.96	15.74	16.64	16.79							
OW-5	584.03						15.19	15.70	15.83	15.29	15.66	16.31	17.33
OW-6	572.12	4.74	4.96	5.37	5.52	5.54							
OW-6	572.17						4.33	5.63	4.71	4.37	5.42	6.26	6.47
OW-7	574.84	7.28	7.68	8.11	8.21	8.46	6.98	8.64	7.42	7.04	8.07	9.6	9.77
OW-8	571.31	5.28	5.49	5.71	5.80	5.79	5.09	5.81	5.41	5.32	5.94	6.77	7
OW-9	588.32	20.10	20.31	20.66	20.88	20.93	19.78	21.36	20.11	19.76	20.98	21.78	21.73
S-1	571.84	4.48	4.64	5.35	5.62	4.98	4.04	5.46	4.77	3.74	7.06	7.47	7.61
S-2	571.81	4.49	4.61	5.05	5.31	5.09	3.98	5.41	4.86	3.87	5.04	5.78	6.2
S-3	571.84	4.42	4.59	5.07	5.21	5.16	3.93	5.33	5.05	3.94	5	5.9	6.15
S-4	571.51	3.92	5.15	5.65	5.91	6.14	4.8	6.90	5.85	5.83	4.77	8.7	8.78
RW-1	581.82	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RW-2	581.82	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RW-3	582.30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RW-4	581.83		16.57	16.45	16.66	17.05	15.76	15.65	16.37	16.2	16.6	16.77	17.37
RW-5	582.05		16.88	16.75	16.91	17.26	16.03		12.79	16.45	16.88	16.96	17.7
RW-6	570.76	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RW-7	570.67	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RW-8	583.83	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RW-9	583.86	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RW-10	583.28	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RW-11	581.22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SG	568.89	4.2	3.9	4.3									
SG	567.75						2.45	2.05	3.20	3.10	3.40	3.01	4.04

** Staff Gauge, OW-5, and OW-6 were re-surveyed in June 2011.

Appendix B-1
Historical Water Level Data

		3/13/2013	5/15/2013	9/27/2013	12/9/2013
	Original				
WELL	ELEV.	DTW	DTW	DTW	DTW
NAME	TOC	(FEET)	(FEET)	(FEET)	(FEET)
MW-1	577.68	12.14	11.87	11.83	12.01
MW-2	578.76	14.05	13.65	13.6	13.7
MW-3	571.16	6.42	6.16	5.76	6.27
MW-4	583.83	11.57	18.45	18.4	18.45
MW-5	584.14	19.54	19.15	19.5	19.3
MW-6	585.70	21.42	21.05	20.97	21.05
MW-7	586.40	21.34	21.09	21.15	20.9
OW-1	573.63	9.19	8.57	8.9	8.88
OW-2	584.14	15.85	15.19	9.21	15.32
OW-3	576.25	9.35	9.42	9.75	9.55
OW-4	572.21	6.99	6.76	6.9	6.55
OW-5	584.16				
OW-5	584.03	17.06	16.56	16.80	16.49
OW-6	572.12				
OW-6	572.17	5.15	5.14	5.57	4.97
OW-7	574.84	7.79	7.74	8.38	7.7
OW-8	571.31	5.6	5.56	6.04	5.4
OW-9	588.32	20.36	20.53	20.93	20.2
S-1	571.84	5.86	5.47	6.1	5.11
S-2	571.81	4.75	4.83	5.18	4.9
S-3	571.84	4.75	4.86	5.2	4.81
S-4	571.51	5.55	6.06	6.45	5.95
RW-1	581.82	NA	NA	NA	NA
RW-2	581.82	NA	NA	NA	NA
RW-3	582.30	NA	NA	NA	NA
RW-4	581.83	17	16.7	16.55	16.73
RW-5	582.05	17.4	17.06	16.95	17
RW-6	570.76	NA	NA	NA	NA
RW-7	570.67	NA	NA	NA	NA
RW-8	583.83	NA	NA	NA	NA
RW-9	583.86	NA	NA	NA	NA
RW-10	583.28	NA	NA	NA	NA
RW-11	581.22	NA	NA	NA	NA
SG	568.89				
SG	567.75	3.60	3.07	3.19	3.40

APPENDIX B-2
Historically Detected Compounds
(Monitoring Wells, 1997-2013)

Appendix B-2
Monitoring Well MW-1
Historically Detected Compounds

Cherry Farm Groundwater Analytical Data Historically Detected Compounds		NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample Source: SDG: Matrix: Sampled:	MW-1 162140 Columbia MW1 Water 8/12/1997	MW-1 G5092 OBG 5116 Water 11/20/1997	MW-1 H0915 OBG 6847 Water 2/19/1998	MW-1 H7392 OBG 7810 Water 5/27/1998	MW-1 J8338 OBG 9571 Water 10/21/1998
CAS NO.	COMPOUND		UNITS:					
	VOLATILES							
67-64-1	Acetone	50 (G)	µg/L	U	U	U	U	4 J
75-15-0	Carbon disulfide	60 (G)	µg/L	U	U	U	U	
75-09-2	Methylene chloride	5	µg/L	U	U	U	U	2 J
108-88-3	Toluene	5	µg/L	2 J	U	U	U	U
1330-20-7	Xylene (total)	5	µg/L	2 J	U	U	U	U
	Total VOCs			4	ND	ND	ND	6
	SEMIVOLATILES							
117-81-7	bis(2-ethylhexyl)phthalate	5	µg/L	2 J, B	U	U	U	U
56-55-3	Benzo[a]anthracene	0.002 (G)	µg/L	U	U	U	U	U
50-32-8	Benzo[a]pyrene	NS	µg/L	U	U	U	U	U
205-99-2	Benzo[b]fluoranthene	0.002 (G)	µg/L	U	U	U	U	U
191-24-2	Benzo[g,h,i]perylene	NS	µg/L	U	U	U	U	U
207-08-9	Benzo[k]flouranthene	0.002 (G)	µg/L	U	U	U	U	U
85-68-7	Butyl benzyl phthalate	50 (G)	µg/L	U	U	U	U	U
218-01-9	Chrysene	0.002 (G)	µg/L	U	U	U	U	U
84-66-2	Diethyl phthalate	50 (G)	µg/L	U	U	U	U	U
84-74-2	Di-n-butyl phthalate	50	µg/L	2 J, B	U	U	U	U
117-84-0	Di-n-octyl phthalate	50 (G)	µg/L	U	U	U	U	U
193-39-5	Indeno[1,2,3-cd]pyrene	0.002 (G)	µg/L	U	U	U	U	U
129-00-0	Pyrene	50 (G)	µg/L	U	U	U	U	U
	Total SVOCs			4	ND	ND	ND	ND
	PESTICIDES							
309-00-2	Aldrin	ND	µg/L	U	U	U	U	U
319-84-6	alpha-BHC	0.01	µg/L	U	0.00055 J, P	U	0.0012 J	U
319-85-7	beta-BHC	0.04	µg/L	U	U	U	U	U
50-29-3	4,4'-DDT	0.2	µg/L	U	U	U	U	U
60-57-1	Dieldrin	0.004	µg/L	U	U	U	U	U
959-98-8	Endosulfan I	NS	µg/L	U	U	U	0.00072 J, P	U
1031-07-8	Endosulfan sulfate	NS	µg/L	U	U	U	U	0.0022 B, J, P
72-20-8	Endrin	ND	µg/L	U	U	U	U	U
7421-93-4	Endrin aldehyde	5	µg/L	U	U	U	U	U
53494-70-5	Endrin ketone	5	µg/L	U	U	U	U	U
58-89-9	gamma-BHC (Lindane)	0.05	µg/L	U	U	U	U	U
5103-74-2	gamma-Chlordane	0.05	µg/L	U	U	U	0.01 J, P	0.0024 J, P
1024-57-3	Heptachlor epoxide	0.03	µg/L	U	U	U	U	U
72-43-5	Methoxychlor	35	µg/L	U	U	U	U	U
	Total Pesticides			ND	0.00055	ND	0.01192	0.0046
	PCBs							
	None detected							
	Total PCBs			ND	ND	ND	ND	ND
	INORGANICS							
7429-90-5	Aluminum	NS	µg/L	273	1580	3080	1940	2730
7440-36-0	Antimony	3	µg/L	U	U	U	U	1.7 B
7440-38-2	Arsenic	25	µg/L	**35.3**	23.9	25	23.8	23.9
7440-39-3	Barium	1000	µg/L	733	353	447	340	353
7440-41-7	Beryllium	3 (G)	µg/L	0.46 B	0.1 B	0.17 B	U	0.14 B
7440-43-9	Cadmium	5	µg/L	1.8 B	0.48 B	U	U	U
7440-70-2	Calcium	NS	µg/L	188000	203000	213000	206000	214000
7440-47-8	Chromium	50	µg/L	1.7 B	6.5 B	7.2 B	5 B	11.5
7440-48-4	Cobalt	NS	µg/L	U	U	U	U	U
7440-50-8	Copper	200	µg/L	U	5.3 B	4.6 B	5.2 B	7.2 B
7439-89-6	Iron	300	µg/L	**7410**	**10300**	**11800**	**11600**	**13100**
7439-92-1	Lead	25	µg/L	U	1.1 B	1.3 B	U	4.5
7439-95-4	Magnesium	35000 (G)	µg/L	**54600**	**47400**	**52600**	**49200**	**53500**
7439-96-5	Manganese	300	µg/L	58.2	136	188	157	201
7440-02-0	Nickel	100	µg/L	U	4.9 B	4.9 B	4.4 B	6.9 B
7440-09-7	Potassium	NS	µg/L	2280	1320 B	1790 B	1790 B	1390 B
7782-49-2	Selenium	10	µg/L	U	U	U	U	2.3 B
7440-22-4	Silver	50	µg/L	1.3 B	U	U	U	U
7440-23-5	Sodium	20000	µg/L	**35500**	**33100**	**38800**	**34400**	**33400**
7440-28-0	Thallium	0.5 (G)	µg/L	**16**	**4.4 B**	U	U	U
7440-62-2	Vanadium	NS	µg/L	U	3.5 B	5.9 B	4.1 B	5.5 B
7440-66-6	Zinc	2000 (G)	µg/L	57	29.5	19.3 B	25.3	55.7
57-12-5	Cyanide	200	µg/L	U	U	U	U	U
	Total Inorganics			288,968	297,269	321,773	305,495	318,793

Notes:

NYSDEC June 1998 Ambient Water Quality Standards and Guidance Values for Groundwater Class GA.

Bold and shaded values exceed the NYSDEC Class GA groundwater standard/guidance value.

ND = Not Detected

NS = No Standard

(G) = Guidance Value

U = Indicates compound was analyzed for, but not detected at or above the reporting limit.

J = Result is less than the Reporting Limit but greater than or equal to the Method Detection Limit and the concentration is an approximate value.

B = Compound was found in the blank and sample.

Appendix B-2
Monitoring Well MW-1
Historically Detected Compounds

Cherry Farm Groundwater Analytical Data Historically Detected Compounds		NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample Source: SDG: Matrix: Sampled:	MW-1 M0188 OBG 1489 Water 4/19/1999	MW-1 N4875 OBG 3856 Water 11/9/1999	MW-1 Q3850 OBG 5490 Water 4/27/2000	MW-1 R7149 OBG 7645 Water 12/13/2000	MW-1 S7281 OBG 9259 Water 6/19/2001	MW-1 T6808 OBG 724 Water 12/11/2001
CAS NO.	COMPOUND		UNITS:						
	VOLATILES								
67-64-1	Acetone	50 (G)	µg/L	5 J, B	U	U	U	2 J	U
75-15-0	Carbon disulfide	60 (G)	µg/L	19	U	7 J	U	U	U
75-09-2	Methylene chloride	5	µg/L	1 J, B	U	U	1 J	U	1 J, B
108-88-3	Toluene	5	µg/L	U	U	U	U	U	U
1330-20-7	Xylene (total)	5	µg/L	U	U	U	U	U	U
	Total VOCs			25	ND	7	1	2	1
	SEMIVOLATILES								
117-81-7	bis(2-ethylhexyl)phthalate	5	µg/L	U	U	U	U	2 J	U
56-55-3	Benzo[a]anthracene	0.002 (G)	µg/L	U	U	U	U	U	U
50-32-8	Benzo[a]pyrene	NS	µg/L	U	U	U	U	U	U
205-99-2	Benzo[b]fluoranthene	0.002 (G)	µg/L	U	U	U	U	U	U
191-24-2	Benzo[g,h,i]perylene	NS	µg/L	U	U	U	U	U	U
207-08-9	Benzo[k]flouranthene	0.002 (G)	µg/L	U	U	U	U	U	U
85-68-7	Butyl benzyl phthalate	50 (G)	µg/L	U	U	U	U	U	U
218-01-9	Chrysene	0.002 (G)	µg/L	U	U	U	U	U	U
84-66-2	Diethyl phthalate	50 (G)	µg/L	U	U	U	U	U	U
84-74-2	Di-n-butyl phthalate	50	µg/L	U	U	U	U	U	U
117-84-0	Di-n-octyl phthalate	50 (G)	µg/L	U	U	U	U	U	U
193-39-5	Indeno[1,2,3-cd]pyrene	0.002 (G)	µg/L	U	U	U	U	U	U
129-00-0	Pyrene	50 (G)	µg/L	U	U	U	U	U	U
	Total SVOCs			ND	ND	ND	ND	2	ND
	PESTICIDES								
309-00-2	Aldrin	ND	µg/L	U	U	U	U	U	U
319-84-6	alpha-BHC	0.01	µg/L	0.01 B, J, P	U	U	U	U	U
319-85-7	beta-BHC	0.04	µg/L	U	U	U	U	U	U
50-29-3	4,4'-DDT	0.2	µg/L	U	U	0.0033 J, P	0.0009 J, P	U	U
60-57-1	Dieldrin	0.004	µg/L	U	U	U	U	U	0.0011 J, P
959-98-8	Endosulfan I	NS	µg/L	0.003 J, P	0.0034 B, J, P	U	U	U	U
1031-07-8	Endosulfan sulfate	NS	µg/L	0.0013 J, P		U	U	U	U
72-20-8	Endrin	ND	µg/L	U	0.0032 J, P	U	U	U	U
7421-93-4	Endrin aldehyde	5	µg/L	U	U	U	U	U	0.0069 B, J, P
53494-70-5	Endrin ketone	5	µg/L	U	U	U	U	U	U
58-89-9	gamma-BHC (Lindane)	0.05	µg/L	U	0.032 J	0.00053 J, P	U	U	U
5103-74-2	gamma-Chlordane	0.05	µg/L	0.008 B, J, P		0.003 J	0.0015 J, P	U	U
1024-57-3	Heptachlor epoxide	0.03	µg/L	0.0038 J	0.0019 J	U	U	U	U
72-43-5	Methoxychlor	35	µg/L	U	U	U	0.0042 B, J, P	U	U
	Total Pesticides			0.0261	0.0405	0.00683	0.0066	ND	0.008
	PCBs								
	None detected								
	Total PCBs			ND	ND	ND	ND	ND	ND
	INORGANICS								
7429-90-5	Aluminum	NS	µg/L	830	4760	7170	4880 E	4760	7810
7440-36-0	Antimony	3	µg/L	**3.2 B**	U	U	U	U	U
7440-38-2	Arsenic	25	µg/L	24.5	**29.9**	**29.4**	**29.7**	**29.6**	**40.6**
7440-39-3	Barium	1000	µg/L	353	472	516	624	537	821
7440-41-7	Beryllium	3 (G)	µg/L	0.38 B	0.24 B	0.35 B	0.53 B	0.2 B	0.41 B
7440-43-9	Cadmium	5	µg/L	0.62 B	U	U	U	U	U
7440-70-2	Calcium	NS	µg/L	222000	247000	243000	270000	232000	256000
7440-47-8	Chromium	50	µg/L	9 B	12.6 E	16.9	13.7	**60.7**	19
7440-48-4	Cobalt	NS	µg/L	U	2.8 B	3.5 B	3.4 B	2.8 B	5.9 B
7440-50-8	Copper	200	µg/L	3.8 B	11.3 B	13.9 B	11.7 B	10.3 B	17 B
7439-89-6	Iron	300	µg/L	**9120**	**16600**	**19900**	**14500**	**16500**	**22700**
7439-92-1	Lead	25	µg/L	3.4	5	5.6	8.2	4.8	8.5
7439-95-4	Magnesium	35000 (G)	µg/L	**52700**	**64300**	**62900**	**56100**	**55900**	**66000**
7439-96-5	Manganese	300	µg/L	155	297	**309**	**344**	208	**387**
7440-02-0	Nickel	100	µg/L	2.8 B	11.1 B, E	13.7 B	10.4 B	30.7 B	19 B
7440-09-7	Potassium	NS	µg/L	1780 B	2680 B	3880 B	3320 B, E	3280 B	3820 B
7782-49-2	Selenium	10	µg/L	U	3.2 B	U	U	U	U
7440-22-4	Silver	50	µg/L	U	U	U	U	U	U
7440-23-5	Sodium	20000	µg/L	**39100**	**43600 E**	**43600**	**40900**	**40500**	**42100**
7440-28-0	Thallium	0.5 (G)	µg/L	U	U	U	U	U	U
7440-62-2	Vanadium	NS	µg/L	2.4 B	9.2 B, E	13.2 B	8.9 B	9.1 B	15.9 B
7440-66-6	Zinc	2000 (G)	µg/L	13.6 B	46.4	49.4	34.6	26.6	46.2
57-12-5	Cyanide	200	µg/L	U	U	U	U	U	U
	Total Inorganics			326,102	379,841	381,421	390,789	353,860	399,811

Notes:

NYSDEC June 1998 Ambient Water Quality Standards and Guidance Values for Groundw

Bold and shaded values exceed the NYSDEC Class GA groundwater standard/guidance va

ND = Not Detected

NS = No Standard

(G) = Guidance Value

U = Indicates compound was analyzed for, but not detected at or above the reporting limit.

J = Result is less than the Reporting Limit but greater than or equal to the Method Detectior

B = Compound was found in the blank and sample.

Appendix B-2
Monitoring Well MW-1
Historically Detected Compounds

Cherry Farm Groundwater Analytical Data Historically Detected Compounds		NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample Source: SDG: Matrix: Sampled:	MW-1 V4308 OB 2494 Water 6/17/2002	MW-1 Z7440 OB 4203 Water 12/17/2002	MW-1 A7549 OB 5716 Water 6/25/2003	MW-1 B4250 OB 6968 Water 12/15/2003	MW-1 E1139 OB 6968 Water 6/8/2004	MW-1 0508015-004A OB 200508 Water 8/2/2005	MW-1 0603100-003A LSL-BL 6030950 Water 3/22/2006
CAS NO.	COMPOUND		UNITS:							
	VOLATILES									
67-64-1	Acetone	50 (G)	µg/L	U	2 J, B	U	U	2 J, B	4 B, J	2 B, J
75-15-0	Carbon disulfide	60 (G)	µg/L	U	U	8 J	U	U	U	U
75-09-2	Methylene chloride	5	µg/L	1 J	0.8 J, B	U	U	0.7 J, B	0.6 B, J	U
108-88-3	Toluene	5	µg/L	U	U	U	U	U	U	U
1330-20-7	Xylene (total)	5	µg/L	U	U	U	U	U	U	U
	Total VOCs			1	2.8	8	ND	2.7	4.6	2
	SEMIVOLATILES									
117-81-7	bis(2-ethylhexyl)phthalate	5	µg/L	U	U	U	U	U	U	U
56-55-3	Benzo[a]anthracene	0.002 (G)	µg/L	U	U	U	U	U	U	U
50-32-8	Benzo[a]pyrene	NS	µg/L	U	U	U	U	U	U	U
205-99-2	Benzo[b]fluoranthene	0.002 (G)	µg/L	U	U	U	U	U	U	U
191-24-2	Benzo[g,h,i]perylene	NS	µg/L	U	U	U	U	U	U	U
207-08-9	Benzo[k]flouranthene	0.002 (G)	µg/L	U	U	U	U	U	U	U
85-68-7	Butyl benzyl phthalate	50 (G)	µg/L	U	U	U	U	U	U	U
218-01-9	Chrysene	0.002 (G)	µg/L	U	U	U	U	U	U	U
84-66-2	Diethyl phthalate	50 (G)	µg/L	U	U	U	U	U	U	U
84-74-2	Di-n-butyl phthalate	50	µg/L	U	U	U	U	U	U	U
117-84-0	Di-n-octyl phthalate	50 (G)	µg/L	U	U	U	U	U	U	U
193-39-5	Indeno[1,2,3-cd]pyrene	0.002 (G)	µg/L	U	U	U	U	U	U	U
129-00-0	Pyrene	50 (G)	µg/L	U	U	U	U	U	U	U
	Total SVOCs			ND	ND	ND	ND	ND	ND	ND
	PESTICIDES									
309-00-2	Aldrin	ND	µg/L	0.0081 J, P	U	U	U	U		
319-84-6	alpha-BHC	0.01	µg/L	U	U	U	U	U		
319-85-7	beta-BHC	0.04	µg/L	U	U	U	0.015 J, P	U		
50-29-3	4,4'-DDT	0.2	µg/L	U	U	U	U	U		
60-57-1	Dieldrin	0.004	µg/L	U	U	U	U	U		
959-98-8	Endosulfan I	NS	µg/L	U	U	0.0038 J, P	U	U		
1031-07-8	Endosulfan sulfate	NS	µg/L	U	U	U	U	U		
72-20-8	Endrin	ND	µg/L	U	U	U	U	U		
7421-93-4	Endrin aldehyde	5	µg/L	U	U	0.005 B, J	U	U		
53494-70-5	Endrin ketone	5	µg/L	U	U	0.0037 J, P	U	U		
58-89-9	gamma-BHC (Lindane)	0.05	µg/L	U	U	U	U	U		
5103-74-2	gamma-Chlordane	0.05	µg/L	U	U	0.015 J, P	U	0.0045 B, J, P		
1024-57-3	Heptachlor epoxide	0.03	µg/L	U	U	U	U	U		
72-43-5	Methoxychlor	35	µg/L	U	U	U	U	U		
	Total Pesticides			0.0081	ND	0.0275	0.015	0.0045	NA	NA
	PCBs									
	None detected									
	Total PCBs			ND	ND	ND	ND	ND	ND	ND
	INORGANICS									
7429-90-5	Aluminum	NS	µg/L	3660	11500	4090	3680	3230		
7440-36-0	Antimony	3	µg/L	U	U	U	U	U		
7440-38-2	Arsenic	25	µg/L	**28.7**	**36.8**	**35.6**	**28.7**	**31.3**		
7440-39-3	Barium	1000	µg/L	419	**1170**	731	650	603		
7440-41-7	Beryllium	3 (G)	µg/L	0.16 B	0.63 B	0.1 B	0.1 B	U		
7440-43-9	Cadmium	5	µg/L	U	U	U	0.1	U		
7440-70-2	Calcium	NS	µg/L	273000	279000	217000	230000	207000		
7440-47-8	Chromium	50	µg/L	9.2 B, E	21	9.3 B	8.5 B	7.8 B		
7440-48-4	Cobalt	NS	µg/L	U	5.4 B	U	U	U		
7440-50-8	Copper	200	µg/L	6.9 B	23 B	7.4 B	6.8 B	4.4 B		
7439-89-6	Iron	300	µg/L	**14000**	**30600**	**14700**	**14700**	**12000**		
7439-92-1	Lead	25	µg/L	5.8 N	10.6	2.7 B		2.6 B		
7439-95-4	Magnesium	35000 (G)	µg/L	**65900**	**71700**	**57000**	**56300**	**52400**		
7439-96-5	Manganese	300	µg/L	**406**	**563**	210	191	165		
7440-02-0	Nickel	100	µg/L	2.2 B	19 B	5.5 B	6.5 B	6 B		
7440-09-7	Potassium	NS	µg/L	3920 B	5210	3080 B	2990 B	2510 B		
7782-49-2	Selenium	10	µg/L	U	U	U	2.7 B	U		
7440-22-4	Silver	50	µg/L	U	U	U	U	U		
7440-23-5	Sodium	20000	µg/L	**40800 E**	**42100**	**40500**	**44000**	**41100**		
7440-28-0	Thallium	0.5 (G)	µg/L	U	U	U	U	U		
7440-62-2	Vanadium	NS	µg/L	8.4 B	23.1 B	8 B	6.2 B	5.9 B		
7440-66-6	Zinc	2000 (G)	µg/L	38.8	66.4	47.5	18 B	21.2		
57-12-5	Cyanide	200	µg/L	U	U	4.4 B	U	U		
	Total Inorganics			402,205	442,049	337,432	352,589	319,087	NA	NA

Notes:

NYSDEC June 1998 Ambient Water Quality Standards and Guidance Values for Groundw

Bold and shaded values exceed the NYSDEC Class GA groundwater standard/guidance val

ND = Not Detected

NS = No Standard

(G) = Guidance Value

U = Indicates compound was analyzed for, but not detected at or above the reporting limit.

J = Result is less than the Reporting Limit but greater than or equal to the Method Detectior

B = Compound was found in the blank and sample.

Appendix B-2
Monitoring Well MW-1
Historically Detected Compounds

Cherry Farm Groundwater Analytical Data Historically Detected Compounds		NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample Source: SDG: Matrix: Sampled:	MW-1 A7E98502 TA A07-E985 Water 12/26/2007	MW-1 RSI0359-01 TA RSI0296 Water 9/10/2009	MW-1 480-2185-1 TA 480-2185 Water 3/3/2011	MW-1 480-14453-1 TA 480-14453 Water 12/23/2011	MW-1 480-23574-7 TA 480-23574 Water 8/7/2012	MW-1 480-38363-1 TA 480-38363 Water 5/15/2013
CAS NO.	COMPOUND		UNITS:						
	VOLATILES								
67-64-1	Acetone	50 (G)	µg/L	U	U	U	U	U	U
75-15-0	Carbon disulfide	60 (G)	µg/L	U	U	U	U	U	U
75-09-2	Methylene chloride	5	µg/L	U	U	U	U	U	U
108-88-3	Toluene	5	µg/L	U	U	U	U	U	U
1330-20-7	Xylene (total)	5	µg/L	U	U	U	U	U	U
	Total VOCs			ND	ND	ND	ND	ND	ND
	SEMIVOLATILES								
117-81-7	bis(2-ethylhexyl)phthalate	5	µg/L	U	U	U	U	U	U
56-55-3	Benzo[a]anthracene	0.002 (G)	µg/L	U	U	U	U	U	**0.80 J B**
50-32-8	Benzo[a]pyrene	NS	µg/L	U	U	U	U	U	0.45 J
205-99-2	Benzo[b]fluoranthene	0.002 (G)	µg/L	U	U	U	U	U	**0.79 J B**
191-24-2	Benzo[g,h,i]perylene	NS	µg/L	U	U	U	U	U	0.62 J
207-08-9	Benzo[k]flouranthene	0.002 (G)	µg/L	U	U	U	U	U	**0.84 J**
85-68-7	Butyl benzyl phthalate	50 (G)	µg/L	U	U	U	U	U	1.1 J B
218-01-9	Chrysene	0.002 (G)	µg/L	U	U	U	U	U	**0.32 J**
84-66-2	Diethyl phthalate	50 (G)	µg/L	U	U	U	U	U	0.32 J
84-74-2	Di-n-butyl phthalate	50	µg/L	0.4 B, J	0.49 J	0.39 J	1.7 J, B	U	0.77 J B
117-84-0	Di-n-octyl phthalate	50 (G)	µg/L	U	U	U	U	U	0.85 J B
193-39-5	Indeno[1,2,3-cd]pyrene	0.002 (G)	µg/L	U	U	U	U	U	**0.50 J**
129-00-0	Pyrene	50 (G)	µg/L	U	U	U	U	U	0.44 J
	Total SVOCs			0.4	0.49	0.39	1.7	ND	7.48
	PESTICIDES								
309-00-2	Aldrin	ND	µg/L						
319-84-6	alpha-BHC	0.01	µg/L						
319-85-7	beta-BHC	0.04	µg/L						
50-29-3	4,4'-DDT	0.2	µg/L						
60-57-1	Dieldrin	0.004	µg/L						
959-98-8	Endosulfan I	NS	µg/L						
1031-07-8	Endosulfan sulfate	NS	µg/L						
72-20-8	Endrin	ND	µg/L						
7421-93-4	Endrin aldehyde	5	µg/L						
53494-70-5	Endrin ketone	5	µg/L						
58-89-9	gamma-BHC (Lindane)	0.05	µg/L						
5103-74-2	gamma-Chlordane	0.05	µg/L						
1024-57-3	Heptachlor epoxide	0.03	µg/L						
72-43-5	Methoxychlor	35	µg/L						
	Total Pesticides			NA	NA	NA	NA	NA	NA
	PCBs								
	None detected								
	Total PCBs			ND	ND	ND	ND	ND	ND
	INORGANICS								
7429-90-5	Aluminum	NS	µg/L						
7440-36-0	Antimony	3	µg/L						
7440-38-2	Arsenic	25	µg/L						
7440-39-3	Barium	1000	µg/L						
7440-41-7	Beryllium	3 (G)	µg/L						
7440-43-9	Cadmium	5	µg/L						
7440-70-2	Calcium	NS	µg/L						
7440-47-8	Chromium	50	µg/L						
7440-48-4	Cobalt	NS	µg/L						
7440-50-8	Copper	200	µg/L						
7439-89-6	Iron	300	µg/L						
7439-92-1	Lead	25	µg/L						
7439-95-4	Magnesium	35000 (G)	µg/L						
7439-96-5	Manganese	300	µg/L						
7440-02-0	Nickel	100	µg/L						
7440-09-7	Potassium	NS	µg/L						
7782-49-2	Selenium	10	µg/L						
7440-22-4	Silver	50	µg/L						
7440-23-5	Sodium	20000	µg/L						
7440-28-0	Thallium	0.5 (G)	µg/L						
7440-62-2	Vanadium	NS	µg/L						
7440-66-6	Zinc	2000 (G)	µg/L						
57-12-5	Cyanide	200	µg/L						
	Total Inorganics			NA	NA	NA	NA	NA	NA

Notes:
NYSDEC June 1998 Ambient Water Quality Standards and Guidance Values for Groundw
Bold and shaded values exceed the NYSDEC Class GA groundwater standard/guidance va
ND = Not Detected
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Appendix B-2
Monitoring Well MW-2
Historically Detected Compunds

Cherry Farm Groundwater Analytical Data Historically Detected Compounds		NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample Source: SDG: Matrix: Sampled:	MW-2 162139 Columbia MW1 Water 8/12/1997	MW-2 G5114 OBG 5116 Water 11/20/1997	MW-2 H0916 OBG 6847 Water 2/19/1998	MW-2 H7394 OBG 7810 Water 5/28/1998	MW-2 J8340 OBG 9571 Water 10/21/1998	MW-2 M0190 OBG 1489 Water 4/20/1999
CAS NO.	COMPOUND		UNITS:						
	VOLATILES								
67-64-1	Acetone	50 (G)	µg/L	U	U	U	U	4 J	U
75-15-0	Carbon disulfide	60 (G)	µg/L	U	U	U	U	U	2 J
67-66-3	Chloroform	7	µg/L	U	1 J	U	U	U	U
75-09-2	Methylene chloride	5	µg/L	U	U	U	U	2 J	U
	Total VOCs			ND	1	ND	ND	6	2
	SEMIVOLATILES								
95-95-4	2,4,5-Trichlorophenol	1	µg/L	U	U	U	U	U	U
88-06-2	2,4,6-Trichlorophenol	NS	µg/L	U	U	U	U	U	U
121-14-2	2,4-Dinitrotoluene	5	µg/L	U	U	U	U	U	U
606-20-2	2,6-Dinitrotoluene	5	µg/L	U	U	U	U	U	U
89-63-4	2-Nitroaniline	5	µg/L	U	U	U	U	U	U
91-94-1	3,3'-Dichlorobenzidine	5	µg/L	U	U	U	U	U	U
101-55-3	4-Bromophenyl phenyl ether	NS	µg/L	U	U	U	U	U	U
59-50-7	4-Chloro-3-methylphenol	1	µg/L	U	U	U	U	U	U
7005-72-3	4-Chlorophenyl phenyl ether	NS	µg/L	U	U	U	U	U	U
120-12-7	Anthracene	50 (G)	µg/L	U	U	U	U	U	U
56-55-3	Benzo[a]anthracene	20 (G)	µg/L	U	U	U	U	U	U
50-32-8	Benzo(a)pyrene	NS	µg/L	U	U	U	U	U	U
205-99-2	Benzo(b)fluoranthene	0.002 (G)	µg/L	U	U	U	U	U	U
191-24-2	Benzo(g,h,i)perylene	NS	µg/L	U	U	U	U	U	U
207-08-9	Benzo[k]flouranthene	0.002 (G)	µg/L	U	U	U	U	U	U
117-81-7	bis(2-ethylhexyl)phthalate	5	µg/L	2 J, B	1 J	1 J	U	U	U
85-68-7	Butyl benzyl phthalate	50	µg/L	2 J, B	U	U	U	U	U
86-74-8	Carbazole	NS	µg/L	U	U	U	U	U	U
218-01-9	Chrysene	0.002 (G)	µg/L	U	U	U	U	U	U
84-66-2	Diethyl phthalate	50 (G)	µg/L	1 J	U	U	U	U	U
131-11-3	Dimethyl phthalate	50 (G)	µg/L	U	U	U	U	U	U
84-74-2	Di-n-butyl phthalate	50	µg/L	3 J, B	U	U	U	U	U
117-84-0	Di-n-octyl phthalate	50 (G)	µg/L	U	U	U	U	U	U
206-44-0	Fluoranthene	50 (G)	µg/L	U	U	U	U	U	U
118-74-1	Hexachlorobenzene	0.04	µg/L	U	U	U	U	U	U
193-39-5	Indeno[1,2,3-cd]pyrene	0.002 (G)	µg/L	U	U	U	U	U	U
86-30-6	N-Nitrosodiphenylamine	50 (G)	µg/L	U	U	U	U	U	U
85-01-8	Phenanthrene	50 (G)	µg/L	U	U	U	U	U	U
108-95-2	Phenol	1	µg/L	**4 J, B**	U	U	U	U	U
129-00-0	Pyrene	50 (G)	µg/L	**U**	U	U	U	U	U
	Total SVOCs			12	1	1	ND	ND	ND
	PESTICIDES								
309-00-2	Aldrin	ND	µg/L	U	U	U	U	U	U
319-84-6	alpha-BHC	0.01	µg/L	U	U	U	0.0024 J	U	0.0089 B, J
72-55-9	4,4'-DDE	0.2	µg/L	U	U	U	U	U	U
50-29-3	4,4'-DDT	0.2	µg/L	U	U	U	U	U	0.0007 J, P
959-98-8	Endosulfan I	NS	µg/L	U	U	U	U	U	0.0012 J, P
33213-65-9	Endosulfan II	NS	µg/L	U	U	U	0.003 J, P	U	U
1031-07-8	Endosulfan sulfate	NS	µg/L	U	U	25 J, P	U	U	0.00092 J, P
7421-93-4	Endrin aldehyde	5	µg/L	U	U	U	0.0042 J, P	0.0048	U
58-89-9	gamma-BHC (Lindane)	0.05	µg/L	U	U	U	U	U	0.0051 J, P
5103-74-2	gamma-Chlordane	0.05	µg/L	U	U	U	0.0025 J, P	0.0016	0.013 B, J, P
1024-57-3	Heptachlor epoxide	0.03	µg/L	U	U	U	0.00047 J, P	U	0.0024 J, P
72-43-5	Methoxychlor	35	µg/L	U	U	U	U	U	U
	Total Pesticides			ND	ND	25	0.01257	0.0064	0.03222
	PCBs								
	None Detected								
	Total PCBs			ND	ND	ND	ND	ND	ND
	INORGANICS								
7429-90-5	Aluminum	NS	µg/L	329	37800	34600	19400	17900	12100
7440-36-0	Antimony	3	µg/L	2.6 B, E	U	U	U	U	2.9 B
7440-38-2	Arsenic	25	µg/L	**38.7**	**51.1**	**45.2**	**35.7**	**34.6**	**27.5**
7440-39-3	Barium	1000	µg/L	76.9 B	457	432	275	260	180 B
7440-41-7	Beryllium	3 (G)	µg/L	0.38 B	2 B	1.7 B	0.94 B	0.88 B	0.71 B
7440-43-9	Cadmium	5	µg/L	0.89 B	1.5 B	0.5 B	U	1.1 B	0.86 B
7440-70-2	Calcium	NS	µg/L	202000	459000	452000	378000	344000	347000
7440-47-8	Chromium	50	µg/L	U	**94.1**	**89.4**	**77.8**	**103**	**56.3**
7440-48-4	Cobalt	NS	µg/L	U	29.4 B	23.6 B	10.8 B	13.3 B	9.2 B
7440-50-8	Copper	200	µg/L	U	112	103	51.1	55.9	33.2
7439-89-6	Iron	300	µg/L	**6020**	**79000**	**67700**	**42000**	**38800**	**27200**
7439-92-1	Lead	25	µg/L	U	**108**	**85.1**	**45.4**	**39.2**	**26.7**
7439-95-4	Magnesium	35000 (G)	µg/L	**66300**	**118000**	**118000**	**95400**	**109000**	**103000**
7439-96-5	Manganese	300	µg/L	59.6	**1920**	**1810**	**1160**	**1000**	**949**
7439-97-6	Mercury	0.7	µg/L	U	0.17 B	U	0.1 B	U	U
7440-02-0	Nickel	100	µg/L	U	77.5	73.1	51.2	61.2	35 B
7440-09-7	Potassium	NS	µg/L	2200 B	7800	7460	5660	4200 B	4330 B
7782-49-2	Selenium	10	µg/L	U	6.2	U	U	2 B	U
7440-23-5	Sodium	20000	µg/L	16500	19700	**20100**	15900	18700	19100
7440-28-0	Thallium	.5 (G)	µg/L	**27**	**7.6 B**	**6.6 B**	U	U	U
7440-62-2	Vanadium	NS	µg/L	U	71.6	60.6	39.8 B	33.7 B	23.1 B
7440-66-6	Zinc	2000 (G)	µg/L	55.7	376	321	187	184	110
57-12-5	Cyanide	200	µg/L	U	U	U	U	U	U
	Total Inorganics			293,610.77	724,614.17	702,911.80	558,294.84	534,388.88	514,184.47

Notes:

NYSDEC June 1998 Ambient Water Quality Standards and Guidance Values for Groundwater Class GA.

Bold and shaded values exceed the NYSDEC Class GA groundwater standard/guidance value.

ND = Not Detected

NS = No Standard

(G) = Guidance Value

U = Indicates compound was analyzed for, but not detected at or above the reporting limit.

J = Result is less than the Reporting Limit but greater than or equal to the Method Detection Limit and the concentration is an approximate value.

B = Compound was found in the blank and sample.

Appendix B-2
Monitoring Well MW-2
Historically Detected Compunds

Cherry Farm Groundwater Analytical Data Historically Detected Compounds		NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample Source: SDG: Matrix: Sampled:	MW-2 N4874 OBG 3856 Water 11/8/1999	MW-2 Q3851 OBG 5490 Water 4/27/2000	MW-2 R7150 OBG 7645 Water 12/13/2000	MW-2 S7278 OBG 9259 Water 6/19/2001	MW-2 T6914 OBG 739 Water 12/12/2001	MW-2 V4313 OB 2494 Water 6/18/2002	MW-2 Z7444 OB 4203 Water 12/17/2002	MW-2 A7550 OB 5716 Water 6/25/2003	MW-2 B4506 OB 6968 Water 12/18/2003
CAS NO.	COMPOUND		UNITS:									
	VOLATILES											
67-64-1	Acetone	50 (G)	µg/L	U	3 J	U	4 J	U	U	2 J, B	U	U
75-15-0	Carbon disulfide	60 (G)	µg/L	U	4 J	U	U	U	U	U	5 J	U
67-66-3	Chloroform	7	µg/L	U	U	U	U	U	U	U	U	U
75-09-2	Methylene chloride	5	µg/L	U	U	U	U	1 J, B	U	0.9 J, B	U	U
	Total VOCs			ND	7	ND	4	1	ND	2.9	5	ND
	SEMIVOLATILES											
95-95-4	2,4,5-Trichlorophenol	1	µg/L	U	U	U	U	U	U	U	U	U
88-06-2	2,4,6-Trichlorophenol	NS	µg/L	U	U	U	U	U	U	U	U	U
121-14-2	2,4-Dinitrotoluene	5	µg/L	U	U	U	U	U	U	U	U	U
606-20-2	2,6-Dinitrotoluene	5	µg/L	U	U	U	U	U	U	U	U	U
89-63-4	2-Nitroaniline	5	µg/L	U	U	U	U	U	U	U	U	U
91-94-1	3,3'-Dichlorobenzidine	5	µg/L	U	U	U	U	U	U	U	U	U
101-55-3	4-Bromophenyl phenyl ether	NS	µg/L	U	U	U	U	U	U	U	U	U
59-50-7	4-Chloro-3-methylphenol	1	µg/L	U	U	U	U	U	U	U	U	U
7005-72-3	4-Chlorophenyl phenyl ether	NS	µg/L	U	U	U	U	U	U	U	U	U
120-12-7	Anthracene	50 (G)	µg/L	U	U	U	U	U	U	U	U	U
56-55-3	Benzo[a]anthracene	20 (G)	µg/L	U	U	U	U	U	U	U	U	U
50-32-8	Benzo(a)pyrene	NS	µg/L	U	U	U	U	U	U	U	U	U
205-99-2	Benzo(b)fluoranthene	0.002 (G)	µg/L	U	U	U	U	U	U	U	U	U
191-24-2	Benzo(g,h,i)perylene	NS	µg/L	U	U	U	U	U	U	U	U	U
207-08-9	Benzo[k]flouranthene	0.002 (G)	µg/L	U	U	U	U	U	U	U	U	U
117-81-7	bis(2-ethylhexyl)phthalate	5	µg/L	U	2 J, P	U	1 J	3 J, B	U	U	U	U
85-68-7	Butyl benzyl phthalate	50	µg/L	U	U	U	U	U	U	U	U	U
86-74-8	Carbazole	NS	µg/L	U	U	U	U	U	U	U	U	U
218-01-9	Chrysene	0.002 (G)	µg/L	U	U	U	U	U	U	U	U	U
84-66-2	Diethyl phthalate	50 (G)	µg/L	U	U	U	U	U	U	U	U	U
131-11-3	Dimethyl phthalate	50 (G)	µg/L	U	U	U	U	U	U	U	U	U
84-74-2	Di-n-butyl phthalate	50	µg/L	U	U	U	U	U	U	U	U	U
117-84-0	Di-n-octyl phthalate	50 (G)	µg/L	U	U	U	U	U	U	U	U	U
206-44-0	Fluoranthene	50 (G)	µg/L	U	U	U	U	U	U	U	U	U
118-74-1	Hexachlorobenzene	0.04	µg/L	U	U	U	U	U	U	U	U	U
193-39-5	Indeno[1,2,3-cd]pyrene	0.002 (G)	µg/L	U	U	U	U	U	U	U	U	U
86-30-6	N-Nitrosodiphenylamine	50 (G)	µg/L	U	U	U	U	U	U	U	U	U
85-01-8	Phenanthrene	50 (G)	µg/L	U	U	U	U	U	U	U	U	U
108-95-2	Phenol	1	µg/L	U	U	U	U	U	U	U	U	U
129-00-0	Pyrene	50 (G)	µg/L	U	U	U	U	U	U	U	U	U
	Total SVOCs			ND	2	ND	1	3	ND	ND	ND	ND
	PESTICIDES											
309-00-2	Aldrin	ND	µg/L	U	U	U	U	U	0.0018 J, P	U	U	U
319-84-6	alpha-BHC	0.01	µg/L	U	U	U	U	U	U	U	U	U
72-55-9	4,4'-DDE	0.2	µg/L	U	U	0.00059 J, P	U	U	U	U	U	U
50-29-3	4,4'-DDT	0.2	µg/L	U	U	0.0029 J, P	U	U	U	U	U	U
959-98-8	Endosulfan I	NS	µg/L	U	U	U	U	U	U	U	U	U
33213-65-9	Endosulfan II	NS	µg/L	U	U	U	U	U	U	U	U	U
1031-07-8	Endosulfan sulfate	NS	µg/L	0.002 J, P	U	U	U	U	U	U	U	U
7421-93-4	Endrin aldehyde	5	µg/L	U	U	U	U	0.0069 B, J	U	U	0.0046 B, J, P	U
58-89-9	gamma-BHC (Lindane)	0.05	µg/L	0.037 J, P	0.0052 J, P	U	U	U	U	U	U	U
5103-74-2	gamma-Chlordane	0.05	µg/L	U	U	U	U	U	U	U	0.0073 J	U
1024-57-3	Heptachlor epoxide	0.03	µg/L	U	U	U	U	U	U	U	U	U
72-43-5	Methoxychlor	35	µg/L	U	U	0.0028 B, J, P	U	U	U	U	U	U
	Total Pesticides			0.039	0.0052	0.00629	ND	0.0069	0.0018	ND	0.0119	ND
	PCBs											
	None Detected											
	Total PCBs			ND	ND	ND	ND	ND	ND	ND	ND	ND
	INORGANICS											
7429-90-5	Aluminum	NS	µg/L	23100	35500	6220 E	16300	40100	27800	26800	29800	36400
7440-36-0	Antimony	3	µg/L	U	U	U	U	U	U	U	U	U
7440-38-2	Arsenic	25	µg/L	**35.9**	**43.4**	24.4	**40.9**	**57.4**	**48.9**	**50.9**	**50.8**	**57.1**
7440-39-3	Barium	1000	µg/L	291	440	130 B	247	492	375	411	501	567
7440-41-7	Beryllium	3 (G)	µg/L	1.1 B	1.7 B	0.66 B	0.75 B	2.1 B	1.3 B	1.3 B	1.4 B	1.8 B
7440-43-9	Cadmium	5	µg/L	0.56 B	0.93 B	U	U	1.1 B	U	U	U	U
7440-70-2	Calcium	NS	µg/L	345000	521000	352000	341000	514000	473000	454000	479000	524000
7440-47-8	Chromium	50	µg/L	**80.2 E**	**111**	19.6	**79**	**102**	**68.6 E**	**62.2**	**83.3**	**79.8**
7440-48-4	Cobalt	NS	µg/L	13.8 B	22.6 B	3.6 B	11.6 B	32.4 B	17.1 B	15.6 B	18.5 B	22.8 B
7440-50-8	Copper	200	µg/L	50.1	80.8	12.1 B	40.8	96.1	62.6	60.7	72.2	85.5
7439-89-6	Iron	300	µg/L	**42100**	**66400**	**12900**	**40500**	**83100**	**55600**	**54000**	**59400**	**69500**
7439-92-1	Lead	25	µg/L	**40.8**	**66.6**	13.2	**30.3**	**71.2**	**47.3 N**	**46.1**	**52.8**	**60.6**
7439-95-4	Magnesium	35000 (G)	µg/L	**115000**	**171000**	**74300**	**97000**	**153000**	**113000**	**125000**	**143000**	**143000**
7439-96-5	Manganese	300	µg/L	**941**	**1910**	**703**	**777**	**2060**	**1520**	**1510**	**1570**	**1940**
7439-97-6	Mercury	0.7	µg/L	U	U	0.17 B	U	U	U	0.06 B	U	U
7440-02-0	Nickel	100	µg/L	53.2 E	76.4	13.3 B	53.7	90	53.4	47.9	61.6	70.5
7440-09-7	Potassium	NS	µg/L	7560	11200	35.3 B, E	5870	11300	9800	9290	10200	10700
7782-49-2	Selenium	10	µg/L	U	U	U	U	2.8 B	U	U	U	4 B
7440-23-5	Sodium	20000	µg/L	**21400 E**	**23400**	15700	15300	17700	16000 E	17300	17100	17400
7440-28-0	Thallium	.5 (G)	µg/L	U	U	U	U	**5.3 B**	U	U	U	U
7440-62-2	Vanadium	NS	µg/L	40.3 B, E	67.8	10.5 B	31.8 B	81.5	52.2	52.4	59.8	67.6
7440-66-6	Zinc	2000 (G)	µg/L	195	293	40.5	113	277	235	181	235	248
57-12-5	Cyanide	200	µg/L	U	U	U	U	U	U	U	6.1 B	U
	Total Inorganics			555,902.96	831,614.23	462,126.33	517,395.85	822,570.90	697,681.40	688,829.16	741,212.50	804,204.70

Notes:

NYSDEC June 1998 Ambient Water Quality Standards and Guidance Values for Groundwater C

Bold and shaded values exceed the NYSDEC Class GA groundwater standard/guidance value.

ND = Not Detected

NS = No Standard

(G) = Guidance Value

U = Indicates compound was analyzed for, but not detected at or above the reporting limit.

J = Result is less than the Reporting Limit but greater than or equal to the Method Detection Limi

B = Compound was found in the blank and sample.

Appendix B-2
Monitoring Well MW-2
Historically Detected Compunds

Cherry Farm Groundwater Analytical Data Historically Detected Compounds		NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: / Lab Sample / Source: / SDG: / Matrix: / Sampled:	MW-2 E1069 OB 6968 Water 6/7/2004	MW-2 0508023-001A OB 200508 Water 8/3/2005	MW-2 0603108-003A LSL-BL 6030950 Water 3/23/2006	MW-2 A7E98503 TA A07-E985 Water 12/26/2007	MW-2 480-2185-2 TA 480-2185 Water 3/3/2011	MW-2 480-14453-2 TA 480-14453 Water 12/23/2011	MW-2 480-23574-8 TA 480-23574 Water 8/7/2012	MW-2 480-38363-2 TA 480-38363 Water 5/15/2013
CAS NO.	COMPOUND		UNITS:								
	VOLATILES										
67-64-1	Acetone	50 (G)	µg/L	3 J, B	4 B, J	3 B, J	U	U	U	U	U
75-15-0	Carbon disulfide	60 (G)	µg/L	U	U	U	U	U	U	U	U
67-66-3	Chloroform	7	µg/L	U	1 J	U	U	U	U	U	U
75-09-2	Methylene chloride	5	µg/L	0.8 J, B	0.9 B, J	1 B, J	U	U	U	U	U
	Total VOCs			3.8	5.9	4	ND	ND	ND	ND	ND
	SEMIVOLATILES										
95-95-4	2,4,5-Trichlorophenol	1	µg/L	U	U	U	U	U	U	U	0.90 J
88-06-2	2,4,6-Trichlorophenol	NS	µg/L	U	U	U	U	U	U	U	0.68 J
121-14-2	2,4-Dinitrotoluene	5	µg/L	U	U	U	U	U	U	U	1.1 J
606-20-2	2,6-Dinitrotoluene	5	µg/L	U	U	U	U	U	U	U	0.74 J
89-63-4	2-Nitroaniline	5	µg/L	U	U	U	U	U	U	U	0.70 J
91-94-1	3,3'-Dichlorobenzidine	5	µg/L	U	U	U	U	U	U	U	1.0 J
101-55-3	4-Bromophenyl phenyl ether	NS	µg/L	U	U	U	U	U	U	U	0.97 J
59-50-7	4-Chloro-3-methylphenol	1	µg/L	U	U	U	U	U	U	U	0.82 J
7005-72-3	4-Chlorophenyl phenyl ether	NS	µg/L	U	U	U	U	U	U	U	0.71 J
120-12-7	Anthracene	50 (G)	µg/L	U	U	U	U	U	U	U	0.65 J
56-55-3	Benzo[a]anthracene	20 (G)	µg/L	U	U	U	U	U	U	1.0 J	**3.1 J B**
50-32-8	Benzo(a)pyrene	NS	µg/L	U	U	U	U	U	0.68 J	0.83 J	1.9 J
205-99-2	Benzo(b)fluoranthene	0.002 (G)	µg/L	U	U	U	U	U	**0.84 J**	**1.1 J**	**3.2 J B**
191-24-2	Benzo(g,h,i)perylene	NS	µg/L	U	U	U	U	U	0.39 J	0.50 J	2.1 J
207-08-9	Benzo[k]flouranthene	0.002 (G)	µg/L	U	U	U	U	U	U	U	**3.1 J**
117-81-7	bis(2-ethylhexyl)phthalate	5	µg/L	**21**	2 J	U	**14**	U	U	U	U
85-68-7	Butyl benzyl phthalate	50	µg/L	U	U	U	U	U	U	U	3.9 J B
86-74-8	Carbazole	NS	µg/L	U	U	U	U	U	U	U	1.5 J
218-01-9	Chrysene	0.002 (G)	µg/L	U	U	U	U	U	**0.74 J**	**0.86 J**	**1.4 J**
84-66-2	Diethyl phthalate	50 (G)	µg/L	U	U	U	U	U	U	U	1.3 J
131-11-3	Dimethyl phthalate	50 (G)	µg/L	U	U	U	U	U	U	U	0.76 J
84-74-2	Di-n-butyl phthalate	50	µg/L	U	U	U	0.3 B, J	0.38 J	1.4 J, B	U	2.2 J B
117-84-0	Di-n-octyl phthalate	50 (G)	µg/L	U	U	U	U	U	U	U	3.1 J B
206-44-0	Fluoranthene	50 (G)	µg/L	U	U	U	U	U	U	1.7 J	1.5 J
118-74-1	Hexachlorobenzene	0.04	µg/L	U	U	U	U	U	U	U	**0.95 J**
193-39-5	Indeno[1,2,3-cd]pyrene	0.002 (G)	µg/L	U	U	U	U	U	U	**0.59 J**	**1.8 J**
86-30-6	N-Nitrosodiphenylamine	50 (G)	µg/L	U	U	U	U	U	U	U	1.2 J
85-01-8	Phenanthrene	50 (G)	µg/L	U	U	U	U	U	U	1.1 J	1.0 J
108-95-2	Phenol	1	µg/L	U	U	U	U	U	U	U	U
129-00-0	Pyrene	50 (G)	µg/L	U	U	U	U	U	1.2 J	1.4 J	1.7 J
	Total SVOCs			21	2	ND	14	0.38	5.25	9.08	43.98
	PESTICIDES										
309-00-2	Aldrin	ND	µg/L	U							
319-84-6	alpha-BHC	0.01	µg/L	U							
72-55-9	4,4'-DDE	0.2	µg/L	U							
50-29-3	4,4'-DDT	0.2	µg/L	U							
959-98-8	Endosulfan I	NS	µg/L	U							
33213-65-9	Endosulfan II	NS	µg/L	U							
1031-07-8	Endosulfan sulfate	NS	µg/L	U							
7421-93-4	Endrin aldehyde	5	µg/L	U							
58-89-9	gamma-BHC (Lindane)	0.05	µg/L	U							
5103-74-2	gamma-Chlordane	0.05	µg/L	0.0049 B, J, P							
1024-57-3	Heptachlor epoxide	0.03	µg/L	U							
72-43-5	Methoxychlor	35	µg/L	U							
	Total Pesticides			0.0049	NA	NA	NA	NA	NA	NA	NA
	PCBs										
	None Detected										
	Total PCBs			ND	ND	ND	ND	ND	ND	ND	ND
	INORGANICS										
7429-90-5	Aluminum	NS	µg/L	51300							
7440-36-0	Antimony	3	µg/L	U							
7440-38-2	Arsenic	25	µg/L	**63.9**							
7440-39-3	Barium	1000	µg/L	827							
7440-41-7	Beryllium	3 (G)	µg/L	2.2 B							
7440-43-9	Cadmium	5	µg/L	U							
7440-70-2	Calcium	NS	µg/L	676000							
7440-47-8	Chromium	50	µg/L	**114**							
7440-48-4	Cobalt	NS	µg/L	30.3 B							
7440-50-8	Copper	200	µg/L	122							
7439-89-6	Iron	300	µg/L	**97500**							
7439-92-1	Lead	25	µg/L	**88.9**							
7439-95-4	Magnesium	35000 (G)	µg/L	207000							
7439-96-5	Manganese	300	µg/L	**2770**							
7439-97-6	Mercury	0.7	µg/L	0.12 B							
7440-02-0	Nickel	100	µg/L	98.1							
7440-09-7	Potassium	NS	µg/L	13600							
7782-49-2	Selenium	10	µg/L	4 B							
7440-23-5	Sodium	20000	µg/L	19100							
7440-28-0	Thallium	.5 (G)	µg/L	U							
7440-62-2	Vanadium	NS	µg/L	99.3							
7440-66-6	Zinc	2000 (G)	µg/L	385							
57-12-5	Cyanide	200	µg/L	U							
	Total Inorganics			1,069,104.82	NA	NA	NA	NA	NA	NA	NA

Notes:

NYSDEC June 1998 Ambient Water Quality Standards and Guidance Values for Groundwater C

Bold and shaded values exceed the NYSDEC Class GA groundwater standard/guidance value.

ND = Not Detected

NS = No Standard

(G) = Guidance Value

U = Indicates compound was analyzed for, but not detected at or above the reporting limit.

J = Result is less than the Reporting Limit but greater than or equal to the Method Detection Limi

B = Compound was found in the blank and sample.

Apprendix B-2
Monitoring Well MW-3
Historically Detected Compounds

Cherry Farm Groundwater Analytical Data Historically Detected Compounds		NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample Source: SDG: Matrix: Sampled:	MW-3 162134 Columbia MW1 Water 8/12/1997	MW-3 G5115 OBG 5116 Water 11/20/1997	MW-3 H0917 OBG 6847 Water 2/19/1998	MW-3 H7395 OBG 7810 Water 5/28/1998	MW-3 J8484 OBG 9595 Water 10/22/1998	MW-3 M0191 OBG 1489 Water 4/20/1999	MW-3 N5015 OBG 3880 Water 11/10/1999
CAS NO.	COMPOUND		UNITS:							
	VOLATILES									
67-64-1	Acetone	50 (G)	µg/L	U	U	U	U	4 J	6 J, J	U
75-15-0	Carbon disulfide	60 (G)	µg/L	U	U	U	U	U	5 J	6
67-66-3	Chloroform	7	µg/L	U	U	U	U	U	U	U
75-09-2	Methylene chloride	5	µg/L	U	U	U	U	2 J	2 J, B	U
1330-20-7	Xylene (total)	5	µg/L	U	U	U	U	U	U	U
	Total VOCs			ND	ND	ND	ND	6	13	6
	SEMIVOLATILES									
117-81-7	bis(2-ethylhexyl)phthalate	5	µg/L	1 J, B	U	U	U	U	U	U
50-32-8	Benzo[a]anthracene	0.002 (G)	µg/L	U	U	U	U	U	U	U
205-99-2	Benzo[b]fluoranthene	0.002 (G)	µg/L	U	U	U	U	U	U	U
191-24-2	Benzo[g,h,i]perylene	NS	µg/L	U	U	U	U	U	U	U
85-68-7	Butyl benzyl phthalate	50	µg/L	1 J, B	U	U	U	U	U	U
84-66-2	Diethyl phthalate	50 (G)	µg/L	U	U	U	U	U	U	U
84-74-2	Di-n-butyl phthalate	50	µg/L	2 J, B	U	U	U	U	U	U
117-84-0	Di-n-octyl phthalate	50 (G)	µg/L	U	U	U	U	U	U	U
91-20-3	Naphthalene	10 (G)	µg/L	U	U	U	U	U	U	U
	Total SVOCs			4	ND	ND	ND	ND	ND	ND
	PESTICIDES									
319-84-6	alpha-BHC	0.01	µg/L	U	U	U	0.0024 J	U	0.00093 B, J, P	U
72-55-9	4,4'-DDE	0.2	µg/L	U	U	U	U	U	U	U
60-57-1	Dieldrin	0.004	µg/L	U	U	0.002 J, P	U	U	0.0024 J, P	U
959-98-8	Endosulfan I	NS	µg/L	U	U	U	U	U	0.0013 J, P	U
33213-65-9	Endosulfan II	NS	µg/L	U	U	U	U	U	U	U
1031-07-8	Endosulfan sulfate	NS	µg/L	U	U	0.0029 J, P	0.0048 J, P	0.011 B, J, P	0.0015 J, P	0.0018 J, P
72-20-8	Endrin	ND	µg/L	U	U	U	U	U	U	U
7421-93-4	Endrin aldehyde	5	µg/L	U	U	U	U	U	U	U
53494-70-5	Endrin ketone	5	µg/L	U	U	U	U	U	U	U
58-89-9	gamma-BHC (Lindane)	0.05	µg/L	U	U	U	U	U	U	0.012 J, P
5103-74-2	gamma-Chlordane	0.05	µg/L	U	U	U	0.00073 J, P	0.001 J, P	0.014 B, J, P	U
1024-57-3	Heptachlor epoxide	0.03	µg/L	U	U	U	0.00067 J, P	U	0.0052 J, P	U
	Total Pesticides			ND	ND	0.0049	0.0086	0.012	0.02533	0.0138
	PCBs									
	None Detected									
	Total PCBs			ND	ND	ND	ND	ND	ND	ND
	INORGANICS									
7429-90-5	Aluminum	NS	µg/L	197 B	3510	2060	1510	789	665	512
7440-36-0	Antimony	3	µg/L	U	U	U	U	U	2.1 B	U
7440-38-2	Arsenic	25	µg/L	24.2	7.9 B	U	9 B	6.2 B	2.6 B	2.6 B
7440-39-3	Barium	1000	µg/L	188 B	254	245	187 B	157 B	153 B	164 B
7440-41-7	Beryllium	3 (G)	µg/L	1.8 B	0.29 B	0.24 B	U	0.15 B	0.15 B	0.24 B
7440-43-9	Cadmium	5	µg/L	**5.9**	0.32 B	U	U	U	U	U
7440-70-2	Calcium	NS	µg/L	257000	235000	216000	188000	172000	149000	151000
7440-47-8	Chromium	50	µg/L	2.6 B	30.5	19.5	10.8	12.7	9.4 B	14.2 E
7440-48-4	Cobalt	NS	µg/L	2.4 B	3.1 B	U	U	U	U	U
7440-50-8	Copper	200	µg/L	U	12.5 B	8.3 B	5.9 B	5 B	2.1 B	2 B
7439-89-6	Iron	300	µg/L	**30300**	**32900**	**25400**	**21300**	**20800**	**15900**	**16100**
7439-92-1	Lead	25	µg/L	U	6.7	2.5 B	U	2.1 B	U	U
7439-95-4	Magnesium	35000 (G)	µg/L	**70600**	**57600**	**54400**	**45500**	**43500**	34700	**38400**
7439-96-5	Manganese	300	µg/L	**831**	**1000**	**934**	**835**	**734**	**654**	**631**
7440-02-0	Nickel	100	µg/L	U	18.4 B	11.2 B	8.7 B	5.8 B	6.4 B	9.3 B, E
7440-09-7	Potassium	NS	µg/L	13600	17400	17500	15800	13100	9730	10200
7782-49-2	Selenium	10	µg/L	U	4.1 B	U	U	U	U	U
7440-22-4	Silver	50	µg/L	1.7 B	0.67 B	U	U	U	U	U
7440-23-5	Sodium	20000	µg/L	**129000**	**118000**	**117000**	**104000**	**104000**	**83100**	**89200 E**
7440-28-0	Thallium	.5 (G)	µg/L	U	**4.5 B**	**7.3 B**	U	U	U	U
7440-62-2	Vanadium	NS	µg/L	U	9.6 B	6 B	6 B	4.2 B	4.2 B	3.7 B, E
7440-66-6	Zinc	2000 (G)	µg/L	59.1	59.9	37.7	27.4	34.6	9.1 B	26.3
57-12-5	Cyanide	200	µg/L	U	U	U	U	U	U	U
	Total Inorganics			501,813.70	465,822.48	433,631.74	377,199.80	355,150.75	293,938.05	306,265.34

Notes:

NYSDEC June 1998 Ambient Water Quality Standards and Guidance Values for Groundwater Class GA.

Bold and shaded values exceed the NYSDEC Class GA groundwater standard/guidance value.

ND = Not Detected

NS = No Standard

(G) = Guidance Value

U = Indicates compound was analyzed for, but not detected at or above the reporting limit.

J = Result is less than the Reporting Limit but greater than or equal to the Method Detection Limit and the concentration is an approximate value.

B = Compound was found in the blank and sample.

Apprendix B-2
Monitoring Well MW-3
Historically Detected Compounds

Cherry Farm Groundwater Analytical Data Historically Detected Compounds		NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample Source: SDG: Matrix: Sampled:	MW-3 Q3846 OBG 5490 Water 4/26/2000	MW-3 R7156 OBG 7645 Water 12/14/2000	MW-3 S7325 OBG 9270 Water 6/20/2001	MW-3 T6809 OBG 724 Water 12/11/2001	MW-3 V4310 OB 2494 Water 6/18/2002	MW-3 Z7443 OB 4203 Water 12/17/2002	MW-3 A7551 OB 5716 Water 6/25/2003	MW-3 B4288 OB 6968 Water 12/16/2003
CAS NO.	COMPOUND		UNITS:								
	VOLATILES										
67-64-1	Acetone	50 (G)	µg/L	U	U	5 J	U	U	4 J, B	U	U
75-15-0	Carbon disulfide	60 (G)	µg/L	U	U	U	U	U	U	3 J	U
67-66-3	Chloroform	7	µg/L	U	U	U	U	U	U	U	U
75-09-2	Methylene chloride	5	µg/L	U	U	U	2 J, B	1 J	1 J, B	U	2 J, B
1330-20-7	Xylene (total)	5	µg/L	U	U	U	U	U	U	U	U
	Total VOCs			ND	ND	5	2	1	5	3	2
	SEMIVOLATILES										
117-81-7	bis(2-ethylhexyl)phthalate	5	µg/L	U	U	U	U	U	U	U	U
50-32-8	Benzo[a]anthracene	0.002 (G)	µg/L	U	U	U	U	U	U	U	U
205-99-2	Benzo[b]fluoranthene	0.002 (G)	µg/L	U	U	U	U	U	U	U	U
191-24-2	Benzo[g,h,i]perylene	NS	µg/L	U	U	U	U	U	U	U	U
85-68-7	Butyl benzyl phthalate	50	µg/L	U	U	U	U	U	U	U	U
84-66-2	Diethyl phthalate	50 (G)	µg/L	U	U	U	U	U	U	U	U
84-74-2	Di-n-butyl phthalate	50	µg/L	U	U	U	U	U	U	U	U
117-84-0	Di-n-octyl phthalate	50 (G)	µg/L	U	U	U	U	U	U	U	U
91-20-3	Naphthalene	10 (G)	µg/L	U	U	U	U	U	U	U	U
	Total SVOCs			ND	ND	ND	ND	ND	ND	ND	ND
	PESTICIDES										
319-84-6	alpha-BHC	0.01	µg/L	U	U	U	U	U	U	U	U
72-55-9	4,4'-DDE	0.2	µg/L	U	U	0.0055 B, J, P	U	U	U	U	U
60-57-1	Dieldrin	0.004	µg/L	U	U	U	U	U	U	U	U
959-98-8	Endosulfan I	NS	µg/L	U	U	U	U	U	U	0.0045 J, P	U
33213-65-9	Endosulfan II	NS	µg/L	U	0.00082 J, P	U	U	U	U	U	U
1031-07-8	Endosulfan sulfate	NS	µg/L	U	0.0035 J, P	U	U	U	U	0.0062 J, P	U
72-20-8	Endrin	ND	µg/L	U	U	0.017 B, J, P	U	U	U	0.026 J, P	U
7421-93-4	Endrin aldehyde	5	µg/L	U	U	U	0.012 B, J, P	U	U	U	U
53494-70-5	Endrin ketone	5	µg/L	U	0.0024 J, P	U	U	U	U	U	U
58-89-9	gamma-BHC (Lindane)	0.05	µg/L	0.002 J, P	U	U	U	U	U	U	U
5103-74-2	gamma-Chlordane	0.05	µg/L	0.0027 J, P	U	U	U	U	U	0.0054 J, P	U
1024-57-3	Heptachlor epoxide	0.03	µg/L	U	U	U	U	U	U	0.014 J, P	U
	Total Pesticides			0.0047	0.00672	0.0225	0.012	ND	ND	0.0561	ND
	PCBs										
	None Detected										
	Total PCBs			ND	ND	ND	ND	ND	ND	ND	ND
	INORGANICS										
7429-90-5	Aluminum	NS	µg/L	712	816 E	458	1390	604	763	558	265
7440-36-0	Antimony	3	µg/L	U	U	U	U	U	U	U	U
7440-38-2	Arsenic	25	µg/L	3.9 B	3.9 B	2.1 B	4.5 B	2.7 B	4.2 B	3.1 B	U
7440-39-3	Barium	1000	µg/L	152 B	150 B	151 B	142 B	155 B	237	229	234
7440-41-7	Beryllium	3 (G)	µg/L	0.37 B	0.39 B	U	0.21 B	0.13 B	0.15 B	0.1 B	U
7440-43-9	Cadmium	5	µg/L	U	U	U	U	U	U	U	U
7440-70-2	Calcium	NS	µg/L	141000	139000	127000	116000	101000	105000	111000	111000
7440-47-8	Chromium	50	µg/L	15	10.5	11.2	26.8	6.4 B, E	14.2	14	6 B
7440-48-4	Cobalt	NS	µg/L	U	U	U	2.2 B	U	U	U	U
7440-50-8	Copper	200	µg/L	2.3 B	2.2 B	0.92 B	3.9 B	U	2.7 B	6 B	U
7439-89-6	Iron	300	µg/L	**16100**	**14600**	**15000**	**16700**	**13600**	**15700**	**15300**	**13300**
7439-92-1	Lead	25	µg/L	1.3 B	2.9 B	U	3.2	U	U	U	U
7439-95-4	Magnesium	35000 (G)	µg/L	**35600**	34500	32900	31200	27800	30400	30200	30100
7439-96-5	Manganese	300	µg/L	**562**	**581**	**512**	**520**	**444**	**485**	**495**	**479**
7440-02-0	Nickel	100	µg/L	9.6 B	5.8 B	6 B	14.2 B	U	5.9 B	5.6 B	3.4 B
7440-09-7	Potassium	NS	µg/L	9780	9790 E	10500	7790	7350	7980	9720	10300
7782-49-2	Selenium	10	µg/L	U	U	U	U	2 B	U	U	2.9 B
7440-22-4	Silver	50	µg/L	U	U	U	U	U	U	U	U
7440-23-5	Sodium	20000	µg/L	**81700**	**69500**	**66500**	**62800**	**58900 E**	**57000**	**54600**	**57000**
7440-28-0	Thallium	.5 (G)	µg/L	U	U	U	U	U	U	U	U
7440-62-2	Vanadium	NS	µg/L	4.4 B	4.4 B	4.4 B	6.2 B	3.8 B	6.3 B	4.4 B	3.1 B
7440-66-6	Zinc	2000 (G)	µg/L	13.3 B	18.7 B	7 B	28.1	46	16.8 B	28.5	3.9 B
57-12-5	Cyanide	200	µg/L	U	U	U	12.5	U	U	4.9 B	U
	Total Inorganics			285,656.17	268,985.79	253,052.62	236,643.81	209,914.03	217,615.25	222,163.70	222,697.30

Notes:
NYSDEC June 1998 Ambient Water Quality Standards and Guidance Values for Groundw
Bold and shaded values exceed the NYSDEC Class GA groundwater standard/guidance val
ND = Not Detected
NS = No Standard
(G) = Guidance Value
U = Indicates compound was analyzed for, but not detected at or above the reporting limit.
J = Result is less than the Reporting Limit but greater than or equal to the Method Detectio
B = Compound was found in the blank and sample.

Apprendix B-2
Monitoring Well MW-3
Historically Detected Compounds

Cherry Farm Groundwater Analytical Data Historically Detected Compounds		NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample Source: SDG: Matrix: Sampled:	MW-3 E1141 OB 6968 Water 6/8/2004	MW-3 050823-002A OB 200508 Water 8/3/2005	MW-3 0603100-002A LSL-BL 6030950 Water 3/22/2006	MW-3 A7E98504 TA A07-E985 Water 12/26/2007	MW-3 A8E30601 TA A08-E150 Water 11/10/2008	MW-3 RSI0359-04 TA RSI0296 Water 9/10/2009	MW-3 RTF0860-01 TA RTF0798 Water 6/11/2010
CAS NO.	COMPOUND		UNITS:							
	VOLATILES									
67-64-1	Acetone	50 (G)	µg/L	2 J, B	4 B, J	3 B, J	U	U	U	U
75-15-0	Carbon disulfide	60 (G)	µg/L	U	U	U	U	U	U	U
67-66-3	Chloroform	7	µg/L	U	2 J	U	U	U	U	U
75-09-2	Methylene chloride	5	µg/L	0.8 J, B	1 B, J	U	U	U	U	U
1330-20-7	Xylene (total)	5	µg/L	1 J	U	U	U	U	U	U
	Total VOCs			3.8	7	3	ND	ND	ND	ND
	SEMIVOLATILES									
117-81-7	bis(2-ethylhexyl)phthalate	5	µg/L	U	U	U	U	U	U	U
50-32-8	Benzo[a]anthracene	0.002 (G)	µg/L	U	U	U	U	U	U	U
205-99-2	Benzo[b]fluoranthene	0.002 (G)	µg/L	U	U	U	U	U	U	U
191-24-2	Benzo[g,h,i]perylene	NS	µg/L	U	U	U	U	U	U	U
85-68-7	Butyl benzyl phthalate	50	µg/L	U	U	U	U	U	U	U
84-66-2	Diethyl phthalate	50 (G)	µg/L	U	U	U	U	U	U	U
84-74-2	Di-n-butyl phthalate	50	µg/L	U	U	U	0.3 B, J	0.7 B, J	0.39 J	0.44 J
117-84-0	Di-n-octyl phthalate	50 (G)	µg/L	U	U	U	U	U	U	U
91-20-3	Naphthalene	10 (G)	µg/L	U	U	U	U	4 B, J	U	U
	Total SVOCs			ND	ND	ND	0.3	4.7	0.39	0.44
	PESTICIDES									
319-84-6	alpha-BHC	0.01	µg/L	U						
72-55-9	4,4'-DDE	0.2	µg/L	U						
60-57-1	Dieldrin	0.004	µg/L	U						
959-98-8	Endosulfan I	NS	µg/L	U						
33213-65-9	Endosulfan II	NS	µg/L	U						
1031-07-8	Endosulfan sulfate	NS	µg/L	0.0021 J, P						
72-20-8	Endrin	ND	µg/L	U						
7421-93-4	Endrin aldehyde	5	µg/L	U						
53494-70-5	Endrin ketone	5	µg/L	U						
58-89-9	gamma-BHC (Lindane)	0.05	µg/L	U						
5103-74-2	gamma-Chlordane	0.05	µg/L	0.0027 B, J, P						
1024-57-3	Heptachlor epoxide	0.03	µg/L	U						
	Total Pesticides			0.0048	NA	NA	NA	NA	NA	NA
	PCBs									
	None Detected									
	Total PCBs			ND	ND	ND	ND	ND	ND	ND
	INORGANICS									
7429-90-5	Aluminum	NS	µg/L	800						
7440-36-0	Antimony	3	µg/L	U						
7440-38-2	Arsenic	25	µg/L	U						
7440-39-3	Barium	1000	µg/L	213						
7440-41-7	Beryllium	3 (G)	µg/L	U						
7440-43-9	Cadmium	5	µg/L	U						
7440-70-2	Calcium	NS	µg/L	112000						
7440-47-8	Chromium	50	µg/L	10.5						
7440-48-4	Cobalt	NS	µg/L	U						
7440-50-8	Copper	200	µg/L	U						
7439-89-6	Iron	300	µg/L	**13400**						
7439-92-1	Lead	25	µg/L	1.5 B						
7439-95-4	Magnesium	35000 (G)	µg/L	29900						
7439-96-5	Manganese	300	µg/L	**454**						
7440-02-0	Nickel	100	µg/L	5.4 B						
7440-09-7	Potassium	NS	µg/L	11600						
7782-49-2	Selenium	10	µg/L	U						
7440-22-4	Silver	50	µg/L	U						
7440-23-5	Sodium	20000	µg/L	**58200**						
7440-28-0	Thallium	.5 (G)	µg/L	U						
7440-62-2	Vanadium	NS	µg/L	4.1 B						
7440-66-6	Zinc	2000 (G)	µg/L	14.5 B						
57-12-5	Cyanide	200	µg/L	U						
	Total Inorganics			226,603.00	NA	NA	NA	NA	NA	NA

Notes:
NYSDEC June 1998 Ambient Water Quality Standards and Guidance Values for Groundw
Bold and shaded values exceed the NYSDEC Class GA groundwater standard/guidance val
ND = Not Detected
NS = No Standard
(G) = Guidance Value
U = Indicates compound was analyzed for, but not detected at or above the reporting limit.
J = Result is less than the Reporting Limit but greater than or equal to the Method Detectio
B = Compound was found in the blank and sample.

Apprendix B-2
Monitoring Well MW-3
Historically Detected Compounds

Cherry Farm Groundwater Analytical Data Historically Detected Compounds		NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample Source: SDG: Matrix: Sampled:	MW-3 480-2227-5 TA 480-2185 Water 3/4/2011	MW-3 480-14453-3 TA 480-14453 Water 12/23/2011	MW-3 480-23574-9 TA 480-23574 Water 8/7/2012	MW-3 480-38363-3 TA 480-38363 Water 5/15/2013
CAS NO.	COMPOUND		UNITS:				
	VOLATILES						
67-64-1	Acetone	50 (G)	µg/L	U	U	U	U
75-15-0	Carbon disulfide	60 (G)	µg/L	U	U	U	U
67-66-3	Chloroform	7	µg/L	U	U	U	U
75-09-2	Methylene chloride	5	µg/L	U	U	U	U
1330-20-7	Xylene (total)	5	µg/L	U	U	U	U
	Total VOCs			ND	ND	ND	ND
	SEMIVOLATILES						
117-81-7	bis(2-ethylhexyl)phthalate	5	µg/L	3.4 J, B	U	U	U
50-32-8	Benzo[a]anthracene	0.002 (G)	µg/L	U	U	U	**0.48 J B**
205-99-2	Benzo[b]fluoranthene	0.002 (G)	µg/L	U	U	U	**0.45 J B**
191-24-2	Benzo[g,h,i]perylene	NS	µg/L	U	U	U	0.35 J
85-68-7	Butyl benzyl phthalate	50	µg/L	2.4 J	U	U	0.61 J B
84-66-2	Diethyl phthalate	50 (G)	µg/L	U	U	U	0.23 J
84-74-2	Di-n-butyl phthalate	50	µg/L	0.78 J, B	1.1 J, B	U	0.49 J B
117-84-0	Di-n-octyl phthalate	50 (G)	µg/L	U	U	U	0.56 J B
91-20-3	Naphthalene	10 (G)	µg/L	U	U	U	U
	Total SVOCs			6.58	1.1	ND	3.17
	PESTICIDES						
319-84-6	alpha-BHC	0.01	µg/L				
72-55-9	4,4'-DDE	0.2	µg/L				
60-57-1	Dieldrin	0.004	µg/L				
959-98-8	Endosulfan I	NS	µg/L				
33213-65-9	Endosulfan II	NS	µg/L				
1031-07-8	Endosulfan sulfate	NS	µg/L				
72-20-8	Endrin	ND	µg/L				
7421-93-4	Endrin aldehyde	5	µg/L				
53494-70-5	Endrin ketone	5	µg/L				
58-89-9	gamma-BHC (Lindane)	0.05	µg/L				
5103-74-2	gamma-Chlordane	0.05	µg/L				
1024-57-3	Heptachlor epoxide	0.03	µg/L				
	Total Pesticides			NA	NA	NA	NA
	PCBs						
	None Detected						
	Total PCBs			ND	ND	ND	ND
	INORGANICS						
7429-90-5	Aluminum	NS	µg/L				
7440-36-0	Antimony	3	µg/L				
7440-38-2	Arsenic	25	µg/L				
7440-39-3	Barium	1000	µg/L				
7440-41-7	Beryllium	3 (G)	µg/L				
7440-43-9	Cadmium	5	µg/L				
7440-70-2	Calcium	NS	µg/L				
7440-47-8	Chromium	50	µg/L				
7440-48-4	Cobalt	NS	µg/L				
7440-50-8	Copper	200	µg/L				
7439-89-6	Iron	300	µg/L				
7439-92-1	Lead	25	µg/L				
7439-95-4	Magnesium	35000 (G)	µg/L				
7439-96-5	Manganese	300	µg/L				
7440-02-0	Nickel	100	µg/L				
7440-09-7	Potassium	NS	µg/L				
7782-49-2	Selenium	10	µg/L				
7440-22-4	Silver	50	µg/L				
7440-23-5	Sodium	20000	µg/L				
7440-28-0	Thallium	.5 (G)	µg/L				
7440-62-2	Vanadium	NS	µg/L				
7440-66-6	Zinc	2000 (G)	µg/L				
57-12-5	Cyanide	200	µg/L				
	Total Inorganics			NA	NA	NA	NA

Notes:
NYSDEC June 1998 Ambient Water Quality Standards and Guidance Values for Groundw
Bold and shaded values exceed the NYSDEC Class GA groundwater standard/guidance val
ND = Not Detected
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Appendix B-2
Monitoring Well MW-4
Historically Detected Compounds

Cherry Farm Monitoring Wells Historically Detected Compounds		NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample Source: SDG: Matrix: Sampled:	MW-4 162135 Columbia MW1 Water 8/12/1997	MW-4 G5191 OBG 5116 Water 11/20/1997	MW-4 H1021 OBG 6857 Water 2/20/1998	MW-4 H7396 OBG 7810 Water 5/28/1998	MW-4 J8485 OBG 9595 Water 10/22/1998	MW-4 M0194 OBG 1489 Water 4/20/1999	MW-4 N5016 OBG 3880 Water 11/10/1999	MW-4 Q3852 OBG 5490 Water 4/27/2000	MW-4 R7320 OBG 7645 Water 12/15/2000
CAS NO.	COMPOUND		UNITS:									
	VOLATILES											
67-64-1	Acetone	50 (G)	µg/L	U	2 J	3 J	2 J	4 J	9 J	U	U	U
75-15-0	Carbon disulfide	60 (G)	µg/L	U	U	U	U	U	11	45	1 J	U
67-66-3	Chloroform	7	µg/L	U	U	U	U	U	U	U	U	U
75-09-2	Methylene chloride	5	µg/L	U	U	U	U	2 J	U	U	U	U
	Total VOCs			ND	2	3	2	6	20	45	1	ND
	SEMIVOLATILES											
117-81-7	bis(2-ethylhexyl)phthalate	5	µg/L	2 J, B	1 J	U	U	U	U	2 J	U	1
56-55-3	Benzo[a]anthracene	0.002 (G)	µg/L	U	U	U	U	U	U	U	U	U
50-32-8	Benzo[a]pyrene	NS	µg/L	U	U	U	U	U	U	U	U	U
205-99-2	Benzo[b]fluoranthene	0.002 (G)	µg/L	U	U	U	U	U	U	U	U	U
191-24-2	Benzo[g,h,i]perylene	NS	µg/L	U	U	U	U	U	U	U	U	U
207-08-9	Benzo[k]flouranthene	0.002 (G)	µg/L	U	U	U	U	U	U	U	U	U
85-68-7	Butyl benzyl phthalate	50 (G)	µg/L	U	U	U	U	U	U	U	U	U
218-01-9	Chrysene	0.002 (G)	µg/L	U	U	U	U	U	U	U	U	U
84-66-2	Diethyl phthalate	50 (G)	µg/L	U	U	U	U	U	U	U	U	U
117-84-0	Di-n-octyl phthalate	50 (G)	µg/L	U	U	U	U	U	U	U	U	U
84-74-2	Di-n-butyl phthalate	50	µg/L	1 J, B	U	U	U	U	U	U	U	U
106-44-5	4-Methylphenol	1	µg/L	U	U	U	U	U	U	U	U	U
100-02-7	4-Nitrophenol	1	µg/L	U	U	U	U	U	U	U	U	U
193-39-5	Indeno[1,2,3-cd]pyrene	0.002 (G)	µg/L	U	U	U	U	U	U	U	U	U
91-20-3	Naphthalene	10 (G)	µg/L	U	U	U	U	U	U	U	U	U
129-00-0	Pyrene	50 (G)	µg/L	U	U	U	U	U	U	U	U	U
	Total SVOCs			3	1	ND	ND	ND	ND	2	ND	1
	PESTICIDES											
309-00-2	Aldrin	ND	µg/L	U	U	U	U	U	U	U	U	0.0018 J, P
319-84-6	alpha-BHC	0.01	µg/L	U	U	U	U	U	0.0089 B, J, P	U	U	0.0013 J, P
5103-71-9	alpha-Chlordane	0.05	µg/L	U	U	U	U	U	0.00093 J, P	U	U	U
72-55-9	4,4'-DDE	0.3	µg/L	U	U	U	U	U	0.0007 J, P	0.0012 J, P	U	0.0026 J, P
319-86-8	delta-BHC	0.04	µg/L	U	U	U	U	U	U	U	U	0.00074 B, J, P
60-57-1	Dieldrin	0.004	µg/L	U	U	U	U	U	U	U	0.002 J, P	0.0015 J, P
959-98-8	Endosulfan I	NS	µg/L	U	U	U	U	U	0.0043 J, P	0.0014 B, J, P	U	U
33213-65-9	Endosulfan II	NS	µg/L	U	U	U	U	0.0008 J, P	U	U	U	U
1031-07-8	Endosulfan sulfate	NS	µg/L	U	U	U	U	0.0017 B, J, P	0.0042 J, P	0.0032 J, P	U	0.0011 J, P
72-20-8	Endrin	ND	µg/L	U	U	U	0.00073 J, P	U	0.0028	U	U	0.00085 J, P
7421-93-4	Endrin aldehyde	5	µg/L	U	U	U	U	0.0028 J, P	U	U	U	U
53494-70-5	Endrin ketone	5	µg/L	U	U	U	U	0.0014 J, P	U	U	U	0.003 J, P
58-89-9	gamma-BHC (Lindane)	0.05	µg/L	U	U	U	U		0.004 J, P	U	0.0039 J, P	U
5103-74-2	gamma-Chlordane	0.05	µg/L	U	U	U	0.002 J, P	0.0017 J, P	0.0056 B, J, P	U	U	U
76-44-8	Heptachlor	0.04	µg/L	U	U	U	U	U	U	U	U	U
1024-57-3	Heptachlor epoxide	0.03	µg/L	U	U	U	U	U	0.00034 J, P	U	U	U
72-43-5	Methoxychlor	35	µg/L	U	U	U	U	U	0.0033 J, P	U	U	U
	Total Pesticides			ND	ND	ND	0.00273	0.0084	0.03507	0.0058	0.0059	0.01289
	PCBs											
	Aroclor 1248			U	U	U	U	U	U	U	U	U
	Total PCBs			ND	ND	ND	ND	ND	ND	ND	ND	ND
	INORGANICS											
7429-90-5	Aluminum	NS	µg/L	89.7 B	1460	1300	553	515	451	787	670	1090
7440-36-0	Antimony	3	µg/L	U	U	U	U	U	U	U	U	U
7440-38-2	Arsenic	25	µg/L	17.9	U	U	9.6 B	6.6 B	8.3 B	2.5 B	4.5 B	U
7440-39-3	Barium	1000	µg/L	308	47.6 B	53.3 B	214	176 B	175 B	61.3 B	58.2 B	51.9 B
7440-41-7	Beryllium	3 (G)	µg/L	1.1 B	0.11 B	0.09 B	U	U	U	0.05 B	U	0.31 B
7440-43-9	Cadmium	5	µg/L	**5.1**	3.3 B	0.39 B	U	U	0.88 B	0.35 B	0.59 B	0.73 B
7440-70-2	Calcium	NS	µg/L	140000	59000	63600	141000	132000	137000	70000	104000	83700
7440-47-8	Chromium	50	µg/L	U	7.6 B	5.2 B	2 B	7.1 B	8.9 B	7.2 B, E	9.4 B	6.8 B
7440-48-4	Cobalt	NS	µg/L	U	1.6 B	U	U	U	U	U	1.7 B	U
7440-50-8	Copper	200	µg/L	U	7.2 B	3.7 B	1.7 B	2.6 B	1.8 B	3.2 B	3 B	4.4 B
7439-89-6	Iron	300	µg/L	**19300**	**3710**	**1860**	**19400**	**20100**	**19400**	**2000**	**1250**	**1960**
7439-92-1	Lead	25	µg/L	U	5.9	U	U	2.5 B	U	1.4 B	U	3
7439-95-4	Magnesium	35000 (G)	µg/L	**42700**	16800	17800	**38900**	**36700**	**37500**	19800	29900	24200
7439-96-5	Manganese	300	µg/L	200	110	94.4	224	213	225	71.1	**827**	104
7439-97-6	Mercury	0.7	µg/L	U	U	U	U	U	U	U	U	U
7440-02-0	Nickel	100	µg/L	U	6.7 B	4.2 B	1.8 B	1.4 B	2.7 B	4.8 E	5.6 B	4 B
7440-09-7	Potassium	NS	µg/L	1830 B	1100 B	2130 B	1120 B	883 B	1180 B	2500 B	1990 B	2720 B, E
7782-49-2	Selenium	10	µg/L	U	U	U	U	U	U	U	U	U
7440-23-5	Sodium	20000	µg/L	**70700**	3490 B	5100	**64100**	**70500**	**75000**	9540 E	5100	4750 B
7440-28-0	Thallium	.5 (G)	µg/L	U	U	**4.1 B**	U	U	U	U	U	U
7440-62-2	Vanadium	NS	µg/L	U	3.5 B	3.6 B	2.7 B	1.8 B	2.6 B	1.8 B, E	2 B	2.9 B
7440-66-6	Zinc	2000 (G)	µg/L	87.5	51	27.6	25.1	24.2	13.2 B	22.4	21	16.8 B
57-12-5	Cyanide	200	µg/L	U	U	U	U	U	U	U	U	U
	Total Inorganics			275,239.30	85,804.51	91,986.58	265,553.90	261,133.20	270,969.38	104,803.10	143,842.99	118,614.84

Notes:
NYSDEC June 1998 Ambient Water Quality Standards and Guidance Values for Groundwater Class GA.
Bold and shaded values exceed the NYSDEC Class GA groundwater standard/guidance value.
ND = Not Detected
NS = No Standard
(G) = Guidance Value
U = Indicates compound was analyzed for, but not detected at or above the reporting limit.
J = Result is less than the Reporting Limit but greater than or equal to the Method Detection Limit and the concentration is an approximate value.
B = Compound was found in the blank and sample.

Appendix B-2
Monitoring Well MW-4
Historically Detected Compounds

Cherry Farm Monitoring Wells Historically Detected Compounds		NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample Source: SDG: Matrix: Sampled:	MW-4 S7324 OBG 9270 Water 6/20/2001	MW-4 T7107 OBG 764 Water 12/13/2001	MW-4 V4311 OB 2494 Water 6/18/2002	MW-4 Z7814 OB 4203 Water 12/18/2002	MW-4 A7432 OB 5716 Water 6/24/2003	MW-4 B4292 OB 6968 Water 12/16/2003	MW-4 E1136 OB 6968 Water 6/8/2004	MW-4 0508042-001A OB 200508 Water 8/5/2005	MW-4 0603100-003A LSL-BL 6030950 Water 3/22/2006	MW-4 A7E98505 TA A07-E985 Water 12/26/2007
CAS NO.	COMPOUND		UNITS:										
	VOLATILES												
67-64-1	Acetone	50 (G)	µg/L	5 J	U	U	4 J, B	U	U	5 J, B	6 J, B	3 J, B	6
75-15-0	Carbon disulfide	60 (G)	µg/L	U	U	U	U	6 J	U	U	U	U	U
67-66-3	Chloroform	7	µg/L	U	U	U	U	U	U	U	1 J	U	U
75-09-2	Methylene chloride	5	µg/L	U	0.6 J, B	1 J	1 J, B	U	1 J, B	1 J, B	1 J, B	1 J, B	U
	Total VOCs			5	0.6	1	5	6	1	6	8	4	6
	SEMIVOLATILES												
117-81-7	bis(2-ethylhexyl)phthalate	5	µg/L	U	1	U	1	U	U	U	U	U	U
56-55-3	Benzo[a]anthracene	0.002 (G)	µg/L	U	U	U	U	U	U	U	U	U	U
50-32-8	Benzo[a]pyrene	NS	µg/L	U	U	U	U	U	U	U	U	U	U
205-99-2	Benzo[b]fluoranthene	0.002 (G)	µg/L	U	U	U	U	U	U	U	U	U	U
191-24-2	Benzo[g,h,i]perylene	NS	µg/L	U	U	U	U	U	U	U	U	U	U
207-08-9	Benzo[k]flouranthene	0.002 (G)	µg/L	U	U	U	U	U	U	U	U	U	U
85-68-7	Butyl benzyl phthalate	50 (G)	µg/L	U	U	U	U	U	U	U	U	U	U
218-01-9	Chrysene	0.002 (G)	µg/L	U	U	U	U	U	U	U	U	U	U
84-66-2	Diethyl phthalate	50 (G)	µg/L	U	U	U	U	U	U	U	U	U	U
117-84-0	Di-n-octyl phthalate	50 (G)	µg/L	U	U	U	U	U	U	U	U	U	U
84-74-2	Di-n-butyl phthalate	50	µg/L	U	U	U	U	U	U	U	U	U	U
106-44-5	4-Methylphenol	1	µg/L	**2**	U	U	U	U	U	U	U	U	U
100-02-7	4-Nitrophenol	1	µg/L	U	U	U	U	U	U	2	U	U	U
193-39-5	Indeno[1,2,3-cd]pyrene	0.002 (G)	µg/L	U	U	U	U	U	U	U	U	U	U
91-20-3	Naphthalene	10 (G)	µg/L	U	U	U	U	U	U	U	U	U	U
129-00-0	Pyrene	50 (G)	µg/L	U	U	U	U	U	U	U	U	U	U
	Total SVOCs			2	1	ND	1	ND	ND	2	ND	ND	ND
	PESTICIDES												
309-00-2	Aldrin	ND	µg/L	U	U	0.024 J, P	U	U	U	U			
319-84-6	alpha-BHC	0.01	µg/L	U	U	U	U	0.0057 J, P	U	U			
5103-71-9	alpha-Chlordane	0.05	µg/L	U	U	U	U	U	U	U			
72-55-9	4,4'-DDE	0.3	µg/L	0.005 B, J, P	U	U	U	U	U	U			
319-86-8	delta-BHC	0.04	µg/L	U	U	U	U	U	U	U			
60-57-1	Dieldrin	0.004	µg/L	U	**0.0074**	U	U	U	U	U			
959-98-8	Endosulfan I	NS	µg/L	U	U	U	U	U	U	U			
33213-65-9	Endosulfan II	NS	µg/L	U	0.0011 J, P	U	U	U	U	U			
1031-07-8	Endosulfan sulfate	NS	µg/L	U	U	U	U	U	U	U			
72-20-8	Endrin	ND	µg/L	0.038 B, J, P	U	U	U	U	U	U			
7421-93-4	Endrin aldehyde	5	µg/L	U	0.015 B, J, P	U	U	U	U	U			
53494-70-5	Endrin ketone	5	µg/L	U	U	U	U	0.0033 J, P	U	U			
58-89-9	gamma-BHC (Lindane)	0.05	µg/L	U	U	U	U	U	0.0076 J, P	U			
5103-74-2	gamma-Chlordane	0.05	µg/L	U	0.0043 J, P	U	U	0.01 J	U	0.0034 B, J			
76-44-8	Heptachlor	0.04	µg/L	U	0.0049 J	U	U	U	U	U			
1024-57-3	Heptachlor epoxide	0.03	µg/L	U	0.0032 J, P	0.0023 J, P	U	U	U	U			
72-43-5	Methoxychlor	35	µg/L	U	U	U	U	U	U	U			
	Total Pesticides			0.043	0.0359	0.0263	ND	0.019	0.0076	0.0034	NA	NA	NA
	PCBs												
	Aroclor 1248			U	U	U	U	U	U	U	U	U	U
	Total PCBs			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	INORGANICS												
7429-90-5	Aluminum	NS	µg/L	1090	2980	1140	324	803	4790	6050			
7440-36-0	Antimony	3	µg/L	U	U	U	U	U	U	2.4 B			
7440-38-2	Arsenic	25	µg/L	8 B	**26.6**	18	13.8	14.8	6.6 B	23.7			
7440-39-3	Barium	1000	µg/L	79.6 B	118 B	137 B	163 B	96.4 B	80.2 B	200 B			
7440-41-7	Beryllium	3 (G)	µg/L	U	0.26 B	U	U	U	0.2 B	0.33 B			
7440-43-9	Cadmium	5	µg/L	1.8 B	2.3 B	0.58 B	0.43 B	U	2.6 B	**8.1**			
7440-70-2	Calcium	NS	µg/L	101000	114000	104000	119000	112000	89000	119000			
7440-47-8	Chromium	50	µg/L	10.5	17.7	7.3 B, E	6 B	5.1 B	12.3	26.9			
7440-48-4	Cobalt	NS	µg/L	2.6 B	4 B	U	U	U	U	9.1 B			
7440-50-8	Copper	200	µg/L	2.9 B	5.6 B	1.6 B	U	2.3 B	6.3 B	7.8 B			
7439-89-6	Iron	300	µg/L	**7080**	**17600**	**14500**	**12400**	**5820**	**6900**	**17900**			
7439-92-1	Lead	25	µg/L	3 B	8.7	2.4 B, N	U	1.3 B	6.4	12.7			
7439-95-4	Magnesium	35000 (G)	µg/L	28300	31400	28000	34500	31900	27000	32900			
7439-96-5	Manganese	300	µg/L	1840	1530	1610	569	1040	1810	**7210**			
7439-97-6	Mercury	0.7	µg/L	U	U	U	U	U	U	0.05 B			
7440-02-0	Nickel	100	µg/L	8.1 B	10.1 B	U	U	3.4 B	8.7 B	19.2 B			
7440-09-7	Potassium	NS	µg/L	2870 B	5110	4430 B	2250 B	4290 B	3240 B	4840 B			
7782-49-2	Selenium	10	µg/L	U	U	U	U	3.3 B	2.9 B	U			
7440-23-5	Sodium	20000	µg/L	**42400**	**115000**	**145000 E**	**50700**	**65200**	3450 B	**103000**			
7440-28-0	Thallium	.5 (G)	µg/L	U	U	U	U	U	U	**12.3**			
7440-62-2	Vanadium	NS	µg/L	6.5 B	12.7 B	6.4 B	2.8 B	6.7 B	8.4 B	16.1 B			
7440-66-6	Zinc	2000 (G)	µg/L	20.1	36.1	30.6	11.7 B	23.8	49	130			
57-12-5	Cyanide	200	µg/L	U	U	16.3	U	U	U	U			
	Total Inorganics			184,723.10	287,862.06	298,900.18	219,940.73	221,210.10	136,373.60	291,368.68	NA	NA	NA

Notes:
NYSDEC June 1998 Ambient Water Quality Standards and Guidance Values for Groundw
Bold and shaded values exceed the NYSDEC Class GA groundwater standard/guidance val
ND = Not Detected
NS = No Standard
(G) = Guidance Value
U = Indicates compound was analyzed for, but not detected at or above the reporting limit.
J = Result is less than the Reporting Limit but greater than or equal to the Method Detectio
B = Compound was found in the blank and sample.

Appendix B-2
Monitoring Well MW-4
Historically Detected Compounds

Cherry Farm Monitoring Wells Historically Detected Compounds		NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample Source: SDG: Matrix: Sampled:	MW-4 A8E30602 TA A08-E150 Water 11/10/2008	MW-4 RSI0359-02 TA RSI0296 Water 9/10/2009	MW-4 480-2185-3 TA 480-2185 Water 3/3/2011	MW-4 480-23574-1 TA 480-23574 Water 8/7/2012	MW-4 480-38363-4 18.45 TA 480-38363 Water 5/15/2013
CAS NO.	COMPOUND		UNITS:					
	VOLATILES							
67-64-1	Acetone	50 (G)	µg/L	U	U	U	U	U
75-15-0	Carbon disulfide	60 (G)	µg/L	U	U	U	U	U
67-66-3	Chloroform	7	µg/L	U	U	U	U	U
75-09-2	Methylene chloride	5	µg/L	U	U	U	U	U
	Total VOCs			ND	ND	ND	ND	ND
	SEMIVOLATILES							
117-81-7	bis(2-ethylhexyl)phthalate	5	µg/L	U	U	U	U	U
56-55-3	Benzo[a]anthracene	0.002 (G)	µg/L	U	U	U	U	**0.90 J B**
50-32-8	Benzo[a]pyrene	NS	µg/L	U	U	U	U	0.55 J
205-99-2	Benzo[b]fluoranthene	0.002 (G)	µg/L	U	U	U	U	**0.89 J B**
191-24-2	Benzo[g,h,i]perylene	NS	µg/L	U	U	U	U	0.70 J
207-08-9	Benzo[k]flouranthene	0.002 (G)	µg/L	U	U	U	U	**0.93 J**
85-68-7	Butyl benzyl phthalate	50 (G)	µg/L	U	U	U	U	1.2 J B
218-01-9	Chrysene	0.002 (G)	µg/L	U	U	U	U	**0.40 J**
84-66-2	Diethyl phthalate	50 (G)	µg/L	U	U	U	U	0.84 J B
117-84-0	Di-n-octyl phthalate	50 (G)	µg/L	U	U	U	U	1.1 J B
84-74-2	Di-n-butyl phthalate	50	µg/L	0.6 J, B	0.79 J	0.31 J	U	U
106-44-5	4-Methylphenol	1	µg/L	U	U	U	U	U
100-02-7	4-Nitrophenol	1	µg/L	U	U	U	U	U
193-39-5	Indeno[1,2,3-cd]pyrene	0.002 (G)	µg/L	U	U	U	U	**0.61 J**
91-20-3	Naphthalene	10 (G)	µg/L	**11 B**	U	U	U	U
129-00-0	Pyrene	50 (G)	µg/L	U	U	U	U	0.48 J
	Total SVOCs			11.6	0.79	0.31	ND	8.6
	PESTICIDES							
309-00-2	Aldrin	ND	µg/L					
319-84-6	alpha-BHC	0.01	µg/L					
5103-71-9	alpha-Chlordane	0.05	µg/L					
72-55-9	4,4'-DDE	0.3	µg/L					
319-86-8	delta-BHC	0.04	µg/L					
60-57-1	Dieldrin	0.004	µg/L					
959-98-8	Endosulfan I	NS	µg/L					
33213-65-9	Endosulfan II	NS	µg/L					
1031-07-8	Endosulfan sulfate	NS	µg/L					
72-20-8	Endrin	ND	µg/L					
7421-93-4	Endrin aldehyde	5	µg/L					
53494-70-5	Endrin ketone	5	µg/L					
58-89-9	gamma-BHC (Lindane)	0.05	µg/L					
5103-74-2	gamma-Chlordane	0.05	µg/L					
76-44-8	Heptachlor	0.04	µg/L					
1024-57-3	Heptachlor epoxide	0.03	µg/L					
72-43-5	Methoxychlor	35	µg/L					
	Total Pesticides			NA	NA	NA	NA	NA
	PCBs							
	Aroclor 1248			U	**0.51**	U	U	U
	Total PCBs			ND	0.51	ND	ND	ND
	INORGANICS							
7429-90-5	Aluminum	NS	µg/L					
7440-36-0	Antimony	3	µg/L					
7440-38-2	Arsenic	25	µg/L					
7440-39-3	Barium	1000	µg/L					
7440-41-7	Beryllium	3 (G)	µg/L					
7440-43-9	Cadmium	5	µg/L					
7440-70-2	Calcium	NS	µg/L					
7440-47-8	Chromium	50	µg/L					
7440-48-4	Cobalt	NS	µg/L					
7440-50-8	Copper	200	µg/L					
7439-89-6	Iron	300	µg/L					
7439-92-1	Lead	25	µg/L					
7439-95-4	Magnesium	35000 (G)	µg/L					
7439-96-5	Manganese	300	µg/L					
7439-97-6	Mercury	0.7	µg/L					
7440-02-0	Nickel	100	µg/L					
7440-09-7	Potassium	NS	µg/L					
7782-49-2	Selenium	10	µg/L					
7440-23-5	Sodium	20000	µg/L					
7440-28-0	Thallium	.5 (G)	µg/L					
7440-62-2	Vanadium	NS	µg/L					
7440-66-6	Zinc	2000 (G)	µg/L					
57-12-5	Cyanide	200	µg/L					
	Total Inorganics			NA	NA	NA	NA	NA

Notes:
NYSDEC June 1998 Ambient Water Quality Standards and Guidance Values for Groundw
Bold and shaded values exceed the NYSDEC Class GA groundwater standard/guidance val
ND = Not Detected
NS = No Standard
(G) = Guidance Value
U = Indicates compound was analyzed for, but not detected at or above the reporting limit.
J = Result is less than the Reporting Limit but greater than or equal to the Method Detectio
B = Compound was found in the blank and sample.

Appendix B-2
Monitoring Well MW-5
Historically Detected Compounds

Cherry Farm Monitoring Wells Historically Detected Compounds		NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample Source: SDG: Matrix: Sampled:	MW-5 162136 Columbia MW1 Water 8/12/1997	MW-5 G5119 OBG 5116 Water 11/20/1997	MW-5 H1022 OBG 6857 Water 2/20/1998	MW-5 H7532 OBG 7830 Water 5/29/1998	MW-5 J8487 OBG 9595 Water 10/22/1998	MW-5 M0195 OBG 1489 Water 4/20/1999	MW-5 N5017 OBG 3880 Water 11/10/1999	MW-5 Q4026 OBG 5512 Water 4/28/2000
CAS NO.	COMPOUND		UNITS:								
	VOLATILES										
67-64-1	Acetone	50 (G)	µg/L	U	U	5 J	10	19	7 J	U	U
71-43-2	Benzene	1	µg/L	**3 J**	**25**	**92**	**97**	**110**	**110**	U	**47**
78-93-3	2-Butanone	50	µg/L	U	U	2 J	U	U	U	U	U
75-15-0	Carbon disulfide	60 (G)	µg/L	U	U	U	U	U	6 J	U	3 J
75-00-3	Chloroethane	5	µg/L	U	U	U	U	U	U	U	U
67-66-3	Chloroform	7	µg/L	U	U	U	U	U	U	U	U
74-87-3	Chloromethane	5	µg/L	U	U	U	U	U	U	U	U
100-41-4	Ethylbenzene	5	µg/L	U	U	5 J	**8 J**	**10 J**	**10 J**	**7**	3 J
75-09-2	Methylene chloride	5	µg/L	U	U	U	U	1 J	U	U	U
100-42-5	Styrene	5	µg/L	U	U	2 J	1 J	1 J	2 J	U	U
108-88-3	Toluene	5	µg/L	U	4 J	**28**	**35**	**28**	**15**	U	3 J
1330-20-7	Xylene (total)	5	µg/L	U	2 J	**29**	**42**	**40**	**40**	**25**	**9 J**
	Total VOCs			3	31	163	193	209	190	32	65
	SEMIVOLATILES										
117-81-7	bis(2-ethylhexyl)phthalate	5	µg/L	2 J, B	U	U	U	U	U	U	U
85-68-7	Butyl benzyl phthalate	50 (G)	µg/L	1 J, B	U	U	U	U	U	U	U
84-74-2	Di-n-butyl phthalate	50	µg/L	4 J, B	U	U	U	U	U	U	U
105-67-9	2,4-Dimethylphenol	1	µg/L	U	**7 J**	**25**	**30**	**23**	**18**	**3 J**	**8 J**
95-48-7	2-Methylphenol	1	µg/L	U	**2 J**	**6 J**	**6 J**	**4 J**	**3 J**	U	**2 J**
106-44-5	4-Methylphenol	1	µg/L	U	**4 J**	**9 J**	U	1 J	6 J	U	**2 J**
56-55-3	Benzo[a]anthracene	0.002 (G)	µg/L	U	U	U	U	U	U	U	U
205-99-2	Benzo[b]fluoranthene	0.002 (G)	µg/L	U	U	U	U	U	U	U	U
191-24-2	Benzo[g,h,i]perylene	NS	µg/L	U	U	U	U	U	U	U	U
85-68-7	Butyl benzyl phthalate	50 (G)	µg/L	U	U	U	U	U	U	U	U
84-66-2	Diethyl phthalate	50 (G)	µg/L	U	U	U	U	U	U	U	U
84-74-2	Di-n-butyl phthalate	50	µg/L	U	U	U	U	U	U	U	U
117-84-0	Di-n-octyl phthalate	50 (G)	µg/L	U	U	U	U	U	U	U	U
91-20-3	Naphthalene	10 (G)	µg/L	1 J	4 J	8 J	4 J	9 J	10 J	3 J	10 J
108-95-2	Phenol	1	µg/L	**3 J, B**	**3 J**	**6 J**	**2 J**	1 J	**4 J**	U	**3 J**
	Total SVOCs			11	20	54	42	38	41	6	25
	PESTICIDES										
309-00-2	Aldrin	ND	µg/L	U	U	U	U	U	0.0016 J, P	U	0.0016 J, P
319-84-6	alpha-BHC	0.01	µg/L	U	U	U	U	U	0.0069 B, J, P	U	U
5103-71-9	alpha-Chlordane	0.05	µg/L	U	U	U	U	U	U	U	U
319-85-7	beta-BHC	0.04	µg/L	U	U	U	U	U	U	U	U
72-54-8	4,4'-DDD	0.3	µg/L	U	U	U	U	U	U	U	0.0033 J, P
72-55-9	4,4'-DDE	0.2	µg/L	U	U	U	U	0.0011 J, P	0.0014 J, P	U	U
50-29-3	4,4'-DDT	0.2	µg/L	U	U	U	U	U	U	0.0015 J, P	U
319-86-8	delta-BHC	0.04	µg/L	U	U	U	U	0.0015 J, P	U	U	U
60-57-1	Dieldrin	0.004	µg/L	U	U	**0.0095 J, P**	0.003 J, P	U	0.0036 J, P	**0.0071 J, P**	0.0021 J, P
959-98-8	Endosulfan I	NS	µg/L	U	U	U	U	U	0.0025 J, P	0.013 B, J, P	U
33213-65-9	Endosulfan II	NS	µg/L	U	U	0.0026 J	0.0011 B, J, P	U	U	U	U
1031-07-8	Endosulfan sulfate	NS	µg/L	U	U	U	0.0067 J, P	0.0037 B, J, P	0.004 J, P	0.0044 J, P	U
72-20-8	Endrin	ND	µg/L	U	U	U	0.0078 J, P	U	0.0055 J, P	0.0029 J, P	U
7421-93-4	Endrin aldehyde	5	µg/L	U	U	U	U	U	U	U	U
58-89-9	gamma-BHC (Lindane)	0.05	µg/L	U	U	0.0037 J, P	0.0041 J, P	U	0.0085 J	0.016 J, P	0.036 J, P
5103-74-2	gamma-Chlordane	0.05	µg/L	U	U	U	U	0.0047 J, P	0.0018 B, J, P	U	0.0031 J, P
76-44-8	Heptachlor	0.04	µg/L	U	U	U	0.0047 J, P	0.0031 J, P	0.00072 J, P	0.0024 J, P	0.00069 J, P
1024-57-3	Heptachlor epoxide	0.03	µg/L	U	U	0.003 J, P	U	0.0015 J, P	0.0017 J, P	0.0058 J	0.0023 B, J, P
72-43-5	Methoxychlor	35	µg/L	U	U	U	U	U	0.0061 J	U	U
	Total Pesticides			ND	ND	0.0188	0.0274	0.0156	0.04432	0.0531	0.04909
	PCBs										
	None Detected										
	Total PCBs			ND	ND	ND	ND	ND	ND	ND	ND
	INORGANICS										
7429-90-5	Aluminum	NS	µg/L	114 B	2630	1100	503	634	499	1140	298
7440-36-0	Antimony	3	µg/L	U	U	U	U	2.9 B	2.5 B	U	U
7440-38-2	Arsenic	25	µg/L	15.6	11.4	11.4	10.5	10.1	8.6 B	7.9 B	9
7440-39-3	Barium	1000	µg/L	171 B	324	156 B	114 B	109 B	139 B	167 B	204
7440-41-7	Beryllium	3 (G)	µg/L	1.8 B	0.17 B	0.2 B	U	0.17 B	0.19 B	0.19 B	0.18 B
7440-43-9	Cadmium	5	µg/L	**6.6**	U	U	U	U	U	U	U
7440-70-2	Calcium	NS	µg/L	196000	153000	51600	38500	36100	44900	59300	133000
7440-47-8	Chromium	50	µg/L	U	23	8.9 B	8 B	9.8 B	25.4	20.7 E	13.9
7440-48-4	Cobalt	NS	µg/L	3 B	U	U	U	U	U	U	U
7440-50-8	Copper	200	µg/L	U	13.1 B	13.4 B	17.5 B	14.1 B	12.9 B	15.8 B	9.1 B
7439-89-6	Iron	300	µg/L	**32800**	**24200**	**12800**	**10200**	**12200**	**13400**	**16800**	**24100**
7439-92-1	Lead	25	µg/L	U	7.7	6.7	6.3	6.6	4.6	7.8	2.3 B
7439-95-4	Magnesium	35000 (G)	µg/L	**51800**	**41700**	14600	10100	9220	11200	15700	34700
7439-96-5	Manganese	300	µg/L	226	259	189	160	197	213	249	203
7439-97-6	Mercury	0.7	µg/L	U	U	U	U	U	U	U	0.12 B
7440-02-0	Nickel	100	µg/L	U	12.8 B	4.9 B	4.6 B	4.3 B	12.4 B	9.7 B, E	4.5 B
7440-09-7	Potassium	NS	µg/L	4220 B	8010	25100	28600	29300	41700	34700	17400
7782-49-2	Selenium	10	µg/L	U	U	U	U	U	U	U	U
7440-22-4	Silver	50	µg/L	U	0.92 B	U	U	U	U	U	U
7440-23-5	Sodium	20000	µg/L	**49800**	**47700**	**98000**	**108000**	**97600**	**102000**	**101000 E**	**76800**
7440-28-0	Thallium	.5 (G)	µg/L	**13.5**	**3.9 B**	U	U	U	U	U	U
7440-62-2	Vanadium	NS	µg/L	U	8.5 B	9.9 B	9.6 B	8.6 B	8.9 B	9.9 B, E	4.8 B
7440-66-6	Zinc	2000 (G)	µg/L	64.1	37.7	24.2	34.9	55.8	18.8 B	28.4	10 B
57-12-5	Cyanide	200	µg/L	4.7 B	19.5	41.6	12.5	30	36	33.5	U
	Total Inorganics			335,235.60	277,961.69	203,666.20	196,280.90	185,502.37	214,181.29	229,189.89	286,758.90

Notes:

NYSDEC June 1998 Ambient Water Quality Standards and Guidance Values for Groundwater Class GA.

Bold and shaded values exceed the NYSDEC Class GA groundwater standard/guidance value.

ND = Not Detected

NS = No Standard

(G) = Guidance Value

U = Indicates compound was analyzed for, but not detected at or above the reporting limit.

J = Result is less than the Reporting Limit but greater than or equal to the Method Detection Limit and the concentration is an approximate value.

B = Compound was found in the blank and sample.

* = LCS or LCSD exceeds control limits

Appendix B-2
Monitoring Well MW-5
Historically Detected Compounds

Cherry Farm Monitoring Wells Historically Detected Compounds		NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: / Lab Sample / Source: / SDG: / Matrix: / Sampled:	MW-5 R7321 OBG 7645 Water 12/15/2000	MW-5 S7323 OBG 9270 Water 6/20/2001	MW-5 T7108 OBG 764 Water 12/13/2001	MW-5 V4312 OB 2494 Water 6/18/2002	MW-5 Z7815 OB 4203 Water 12/18/2002	MW-5 A7431 OB 5716 Water 6/24/2003	MW-5 B4468 OB 6968 Water 12/18/2003	MW-5 E1138 OB 6968 Water 6/8/2004	MW-5 0508042-002A OB 200508 Water 8/5/2005
CAS NO.	COMPOUND		UNITS:									
	VOLATILES											
67-64-1	Acetone	50 (G)	µg/L	7 J	6	U	U	4	3	U	3	4
71-43-2	Benzene	1	µg/L	**84**	**57**	**63**	**86**	**52**	**38**	10	**22**	**47**
78-93-3	2-Butanone	50	µg/L	U	U	U	U	1	U	U	U	U
75-15-0	Carbon disulfide	60 (G)	µg/L	U	U	U	U	U	2	U	U	U
75-00-3	Chloroethane	5	µg/L	U	2	U	U	U	U	U	U	U
67-66-3	Chloroform	7	µg/L	U	U	U	U	U	U	U	U	3
74-87-3	Chloromethane	5	µg/L	U	2	U	U	U	U	U	U	U
100-41-4	Ethylbenzene	5	µg/L	**8 J**	**6**	4	**7**	4	2	U	0.6	3
75-09-2	Methylene chloride	5	µg/L	U	U	0.7	U	0.5	U	U	0.7	2
100-42-5	Styrene	5	µg/L	1 J	U	0.8	U	1	0.5	U	U	U
108-88-3	Toluene	5	µg/L	**8 J**	**6**	4	**7**	5	4	U	0.9	**7**
1330-20-7	Xylene (total)	5	µg/L	**27**	**18**	**19**	**31**	**17**	**7**	U	2	**9**
	Total VOCs			135	97	91.5	131	84.5	56.5	10	29.2	75
	SEMIVOLATILES											
117-81-7	bis(2-ethylhexyl)phthalate	5	µg/L	U	U	2 J, B	U	U	U	U	U	1 J
85-68-7	Butyl benzyl phthalate	50 (G)	µg/L	U	U	U	U	U	U	U	U	U
84-74-2	Di-n-butyl phthalate	50	µg/L	U	U	U	U	U	U	U	U	U
105-67-9	2,4-Dimethylphenol	1	µg/L	**20**	**9 J**	**9 J**	**16**	**13**	**7 J**	U	**2 J**	**5 J**
95-48-7	2-Methylphenol	1	µg/L	**2 J**	U	U	**2 J**	**2 J**	1 J	U	U	1 J
106-44-5	4-Methylphenol	1	µg/L	**4 J**	**3 J**	U	**4 J**	**4 J**	**2 J**	U	U	1 J
56-55-3	Benzo[a]anthracene	0.002 (G)	µg/L	U	U	U	U	U	U	U	U	U
205-99-2	Benzo[b]fluoranthene	0.002 (G)	µg/L	U	U	U	U	U	U	U	U	U
191-24-2	Benzo[g,h,i]perylene	NS	µg/L	U	U	U	U	U	U	U	U	U
85-68-7	Butyl benzyl phthalate	50 (G)	µg/L	U	U	U	U	U	U	U	U	U
84-66-2	Diethyl phthalate	50 (G)	µg/L	U	U	U	U	U	U	U	U	U
84-74-2	Di-n-butyl phthalate	50	µg/L	U	U	U	U	U	U	U	U	U
117-84-0	Di-n-octyl phthalate	50 (G)	µg/L	U	U	U	U	U	U	U	U	U
91-20-3	Naphthalene	10 (G)	µg/L	8 J	1 J	1 J	U	**13**	5 J	U	U	U
108-95-2	Phenol	1	µg/L	**2 J**	**2 J**	**3 J**	U	**4 J**	U	U	1 J	U
	Total SVOCs			36	15	15	22	36	15	ND	3	8
	PESTICIDES											
309-00-2	Aldrin	ND	µg/L	0.0031 J, P	U	U	0.044 J, P	U	U	U	U	
319-84-6	alpha-BHC	0.01	µg/L	0.0012 J, P	U	U	U	U	U	U	U	
5103-71-9	alpha-Chlordane	0.05	µg/L	U	U	0.0011 J, P	U	U	U	U	U	
319-85-7	beta-BHC	0.04	µg/L	U	U	U	0.0079 J, P	U	U	U	U	
72-54-8	4,4'-DDD	0.3	µg/L	U	U	U	U	U	U	U	U	
72-55-9	4,4'-DDE	0.2	µg/L	U	U	U	U	U	U	U	U	
50-29-3	4,4'-DDT	0.2	µg/L	U	U	0.0037 J, P	U	U	U	U	U	
319-86-8	delta-BHC	0.04	µg/L	U	U	U	U	U	U	U	U	
60-57-1	Dieldrin	0.004	µg/L	0.0011 J, P	U	**0.012 B, J**	U	U	U	U	U	
959-98-8	Endosulfan I	NS	µg/L	0.0024 J, P	U	U	U	U	0.0066 J, P	U	U	
33213-65-9	Endosulfan II	NS	µg/L	0.0021 J, P	U	0.00076 J, P	U	U	U	U	U	
1031-07-8	Endosulfan sulfate	NS	µg/L	0.0021 J, P	U	U	U	U	U	U	U	
72-20-8	Endrin	ND	µg/L	0.0056 J, P	U	U	U	U	U	U	U	
7421-93-4	Endrin aldehyde	5	µg/L	0.0017 J, P	U	0.0088 B, J, P	U	U	0.015 B, J, P	U	U	
58-89-9	gamma-BHC (Lindane)	0.05	µg/L	U	U	U	U	U	U	U	U	
5103-74-2	gamma-Chlordane	0.05	µg/L	U	U	0.018 J, P	0.0075 J, P	U	0.0092 J	U	0.0048 B, J	
76-44-8	Heptachlor	0.04	µg/L	U	U	0.0054 J, P	U	U	U	U	U	
1024-57-3	Heptachlor epoxide	0.03	µg/L	0.0017 J, P	U	0.002 J, P	0.0074 J	U	U	U	U	
72-43-5	Methoxychlor	35	µg/L	U	U	U	U	U	U	U	U	
	Total Pesticides			0.021	ND	0.0518	0.0668	ND	0.0308	ND	0.0048	NA
	PCBs											
	None Detected											
	Total PCBs			ND	ND	ND	ND	ND	ND	ND	ND	ND
	INORGANICS											
7429-90-5	Aluminum	NS	µg/L	697 E	346	801	573	272	181 B	116 B	139 B	
7440-36-0	Antimony	3	µg/L	U	U	U	U	U	U	U	U	
7440-38-2	Arsenic	25	µg/L	9.8 B	7.5 B	11.5	11.5	10.7	9.4 B	7 B	7.4 B	
7440-39-3	Barium	1000	µg/L	148	172 B	193 B	158 B	187 B	169 B	166 B	165 B	
7440-41-7	Beryllium	3 (G)	µg/L	0.46	U	0.24 B	0.21 B	0.14 B	U	U	U	
7440-43-9	Cadmium	5	µg/L	U	U	0.4 B	U	U	U	U	U	
7440-70-2	Calcium	NS	µg/L	53000	68700	62400	50300	94500	143000	170000	156000	
7440-47-8	Chromium	50	µg/L	14.1	15.6	19	15.4 E	5.8 B	3.7 B	2.6 B	7.1 B	
7440-48-4	Cobalt	NS	µg/L	U	U	1.8 B	U	U	U	U	U	
7440-50-8	Copper	200	µg/L	15.4	10 B	16.8 B	17.2 B	11.3 B	6.7 B	U	2.7 B	
7439-89-6	Iron	300	µg/L	**10200**	**12200**	**14900**	**14100**	**19100**	**25700**	**29600**	**27400**	
7439-92-1	Lead	25	µg/L	8.3	4.2	8.2	7.7 N	3.8	2.8 B	U	2.1 B	
7439-95-4	Magnesium	35000 (G)	µg/L	14300	19700	19500	13800	25300	**35100**	**41000**	**37200**	
7439-96-5	Manganese	300	µg/L	162	178	231	212	188	198	202	213	
7439-97-6	Mercury	0.7	µg/L	U	U	U	U	U	U	U	U	
7440-02-0	Nickel	100	µg/L	5.5	6.7 B	8.6 B	4 B	U	U	U	1.7 B	
7440-09-7	Potassium	NS	µg/L	27800 E	22600	32700	34000	23100	12700	6010	10300	
7782-49-2	Selenium	10	µg/L	U	U	2.2 B	1.6 B	U	U	3.2 B	3.1 B	
7440-22-4	Silver	50	µg/L	U	U	U	U	U	U	U	U	
7440-23-5	Sodium	20000	µg/L	**93400**	**85800**	**94700**	**95500 E**	**80500**	**70200**	**60500**	**66200**	
7440-28-0	Thallium	.5 (G)	µg/L	U	U	U	U	U	U	U	U	
7440-62-2	Vanadium	NS	µg/L	8.5 B	6.3 B	9.3 B	8.6 B	7.9 B	3.7 B	1.5 B	2.7 B	
7440-66-6	Zinc	2000 (G)	µg/L	13.3 B	10.3 B	12.4 B	48.9	8.5 B	18.3 B	U	21.2	
57-12-5	Cyanide	200	µg/L	36.8	23	38.7	U	19.6	11	U	U	
	Total Inorganics			199,819.16	209,779.60	225,554.14	208,758.11	243,214.74	287,303.60	307,608.30	297,665.00	NA

Notes:

NYSDEC June 1998 Ambient Water Quality Standards and Guidance Values for Grou

Bold and shaded values exceed the NYSDEC Class GA groundwater standard/guidanc

ND = Not Detected

NS = No Standard

(G) = Guidance Value

U = Indicates compound was analyzed for, but not detected at or above the reporting lir

J = Result is less than the Reporting Limit but greater than or equal to the Method Dete

B = Compound was found in the blank and sample.

* = LCS or LCSD exceeds control limits

Appendix B-2
Monitoring Well MW-5
Historically Detected Compounds

Cherry Farm Monitoring Wells Historically Detected Compounds		NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample Source: SDG: Matrix: Sampled:	MW-5 0603100-004A LSL-BL 6030950 Water 3/22/2006	MW-5 A8E30603 TA A08-E150 Water 11/10/2008	MW-5 RSI0359-02 TA RSI0296 Water 9/10/2009	MW-5 RTF0798-04 TA RTF0798 Water 6/10/2010	MW-5 480-2185-4 TA 480-2185 Water 3/3/2011	MW-5 480-14453-4 TA 480-14453 Water 12.23/2011	MW-5 480-23574-2 TA 480-23574 Water 8/7/2012	MW-5 480-38363-5 TA 480-38363 Water 5/15/2013
CAS NO.	COMPOUND		UNITS:								
	VOLATILES										
67-64-1	Acetone	50 (G)	µg/L	3	U	U	U	U	4.1 J	U	U
71-43-2	Benzene	1	µg/L	**33**	**60**	**76**	**80 DO3**	**48**	**56**	**97**	**130**
78-93-3	2-Butanone	50	µg/L	U	U	U	U	U	U	U	U
75-15-0	Carbon disulfide	60 (G)	µg/L	U	U	U	U	U	U	U	U
75-00-3	Chloroethane	5	µg/L	U	U	U	U	U	U	U	U
67-66-3	Chloroform	7	µg/L	U	U	U	U	U	U	U	U
74-87-3	Chloromethane	5	µg/L	U	U	U	U	U	U	U	U
100-41-4	Ethylbenzene	5	µg/L	1	3	4.4 J	U	2.3	1.2	**7.6**	U
75-09-2	Methylene chloride	5	µg/L	1	U	U	U	U	U	U	U
100-42-5	Styrene	5	µg/L	U	U	U	U	U	U	U	U
108-88-3	Toluene	5	µg/L	2	5	**5.6**	3.7 DO3, J	1.4	2.3	**11**	**7.4 J**
1330-20-7	Xylene (total)	5	µg/L	4	**10**	**16**	**12 DO3**	**7.9**	**6.2**	**29**	**27**
	Total VOCs			44	78	102	95.7	59.6	69.8	144.6	166.4
	SEMIVOLATILES										
117-81-7	bis(2-ethylhexyl)phthalate	5	µg/L	U	U	U	U	U	U	U	U
85-68-7	Butyl benzyl phthalate	50 (G)	µg/L	U	U	U	U	U	U	U	U
84-74-2	Di-n-butyl phthalate	50	µg/L	U	U	0.7 J2	0.58 J	U	1.3 J, B	U	U
105-67-9	2,4-Dimethylphenol	1	µg/L	**2 J**	**4 J**	**6**	**2.9 J**	0.84 J	**2.5 J**	**8**	**5.8 ***
95-48-7	2-Methylphenol	1	µg/L	U	0.7 J	**1.4 J**	U	U	0.49 J	**2.3 J**	**1.2 J**
106-44-5	4-Methylphenol	1	µg/L	U	1 J	**1.6 J**	U	U	0.54 J	**2.1 J**	**1.3 J**
56-55-3	Benzo[a]anthracene	0.002 (G)	µg/L	U	U	U	U	U	U	U	**0.57 J B**
205-99-2	Benzo[b]fluoranthene	0.002 (G)	µg/L	U	U	U	U	U	U	U	**0.60 J B**
191-24-2	Benzo[g,h,i]perylene	NS	µg/L	U	U	U	U	U	U	U	0.35 J
85-68-7	Butyl benzyl phthalate	50 (G)	µg/L	U	U	U	U	U	U	U	0.86 J B
84-66-2	Diethyl phthalate	50 (G)	µg/L	U	U	U	U	U	U	U	0.36 J
84-74-2	Di-n-butyl phthalate	50	µg/L	U	U	U	U	U	U	U	0.67 J B
117-84-0	Di-n-octyl phthalate	50 (G)	µg/L	U	U	U	U	U	U	U	0.64 J B
91-20-3	Naphthalene	10 (G)	µg/L	1 J	**11 B**	**23**	**17**	7.9	8.9	**39**	**26 B**
108-95-2	Phenol	1	µg/L	**2 J**	0.8 J	U	U	U	U	U	**1.3 J**
	Total SVOCs			5	32.5	32.7	20.48	8.74	13.73	51.4	39.65
	PESTICIDES										
309-00-2	Aldrin	ND	µg/L								
319-84-6	alpha-BHC	0.01	µg/L								
5103-71-9	alpha-Chlordane	0.05	µg/L								
319-85-7	beta-BHC	0.04	µg/L								
72-54-8	4,4'-DDD	0.3	µg/L								
72-55-9	4,4'-DDE	0.2	µg/L								
50-29-3	4,4'-DDT	0.2	µg/L								
319-86-8	delta-BHC	0.04	µg/L								
60-57-1	Dieldrin	0.004	µg/L								
959-98-8	Endosulfan I	NS	µg/L								
33213-65-9	Endosulfan II	NS	µg/L								
1031-07-8	Endosulfan sulfate	NS	µg/L								
72-20-8	Endrin	ND	µg/L								
7421-93-4	Endrin aldehyde	5	µg/L								
58-89-9	gamma-BHC (Lindane)	0.05	µg/L								
5103-74-2	gamma-Chlordane	0.05	µg/L								
76-44-8	Heptachlor	0.04	µg/L								
1024-57-3	Heptachlor epoxide	0.03	µg/L								
72-43-5	Methoxychlor	35	µg/L								
	Total Pesticides			NA	NA	NA	NA	NA	NA	NA	NA
	PCBs										
	None Detected										
	Total PCBs			ND	ND	ND	ND	ND	ND	ND	ND
	INORGANICS										
7429-90-5	Aluminum	NS	µg/L								
7440-36-0	Antimony	3	µg/L								
7440-38-2	Arsenic	25	µg/L								
7440-39-3	Barium	1000	µg/L								
7440-41-7	Beryllium	3 (G)	µg/L								
7440-43-9	Cadmium	5	µg/L								
7440-70-2	Calcium	NS	µg/L								
7440-47-8	Chromium	50	µg/L								
7440-48-4	Cobalt	NS	µg/L								
7440-50-8	Copper	200	µg/L								
7439-89-6	Iron	300	µg/L								
7439-92-1	Lead	25	µg/L								
7439-95-4	Magnesium	35000 (G)	µg/L								
7439-96-5	Manganese	300	µg/L								
7439-97-6	Mercury	0.7	µg/L								
7440-02-0	Nickel	100	µg/L								
7440-09-7	Potassium	NS	µg/L								
7782-49-2	Selenium	10	µg/L								
7440-22-4	Silver	50	µg/L								
7440-23-5	Sodium	20000	µg/L								
7440-28-0	Thallium	.5 (G)	µg/L								
7440-62-2	Vanadium	NS	µg/L								
7440-66-6	Zinc	2000 (G)	µg/L								
57-12-5	Cyanide	200	µg/L								
	Total Inorganics			NA	NA	NA	NA	NA	NA	NA	NA

Notes:

NYSDEC June 1998 Ambient Water Quality Standards and Guidance Values for Grou

Bold and shaded values exceed the NYSDEC Class GA groundwater standard/guidanc

ND = Not Detected

NS = No Standard

(G) = Guidance Value

U = Indicates compound was analyzed for, but not detected at or above the reporting li

J = Result is less than the Reporting Limit but greater than or equal to the Method Dete

B = Compound was found in the blank and sample.

* = LCS or LCSD exceeds control limits

Appendix B-2
Monitoring Well MW-6
Historically Detected Compounds

Cherry Farm Monitoring Wells Historically Detected Compounds		NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample Source: SDG: Matrix: Sampled:	MW-6 162137 Columbia MW1 Water 8/12/1997	MW-6 G5189 OBG 5116 Water 11/20/1997	MW-6 H1023 OBG 6857 Water 2/20/1998	MW-6 H7533 OBG 7830 Water 5/29/1998	MW-6 J8491 OBG 9596 Water 10/23/1998	MW-6 M0298 OBG 1516 Water 4/21/1999	MW-6 N4878 OBG 3856 Water 11/9/1999	MW-6 Q4027 OBG 5512 Water 4/28/2000
CAS NO.	COMPOUND		UNITS:								
	VOLATILES										
67-64-1	Acetone	50 (G)	ug/L	U	U	U	U	7 J, B	U	U	U
75-15-0	Carbon disulfide	60 (G)	ug/L	U	U	U	U	U	4 J	6 J	7 J
75-09-2	Methylene chloride	5	ug/L	U	U	U	U	U	1 J, B	U	U
	Total VOCs			ND	ND	ND	ND	7	5	6	7
	SEMIVOLATILES										
117-81-7	bis(2-ethylhexyl)phthalate	5	ug/L	U	U	U	U	U	U	U	1 J
56-55-3	Benzo[a]anthracene	0.002 (G)	µg/L	U	U	U	U	U	U	U	U
205-99-2	Benzo[b]fluoranthene	0.002 (G)	µg/L	U	U	U	U	U	U	U	U
191-24-2	Benzo[g,h,i]perylene	NS	µg/L	U	U	U	U	U	U	U	U
207-08-9	Benzo[k]flouranthene	0.002 (G)	µg/L	U	U	U	U	U	U	U	U
85-68-7	Butyl benzyl phthalate	50 (G)	µg/L	U	U	U	U	U	U	U	U
218-01-9	Chrysene	0.002 (G)	µg/L	U	U	U	U	U	U	U	U
84-66-2	Diethyl phthalate	50 (G)	µg/L	U	U	U	U	U	U	U	U
84-74-2	Di-n-butyl phthalate	50	ug/L	1 J, B	U	U	U	U	U	U	U
117-84-0	Di-n-octyl phthalate	50 (G)	µg/L	U	U	U	U	U	U	U	U
129-00-0	Pyrene	50 (G)	µg/L	U	U	U	U	U	U	U	U
	Total SVOCs			1	ND	ND	ND	ND	ND	ND	1
	PESTICIDES										
309-00-2	Aldrin	ND	ug/L	U	U	U	U	U	U	U	0.012 J
319-84-6	alpha-BHC	0.01	ug/L	U	U	U	0.00061 B, J, P	U	U	U	U
72-55-9	4,4'-DDE	0.2	ug/L	U	U	U	U	0.00066 J, P	U	U	U
50-29-3	4,4'-DDT	0.2	ug/L	U	U	U	U	U	U	U	U
60-57-1	Dieldrin	0.004	ug/L	U	U	U	U	0.0021 J	U	U	0.0032 J, P
959-98-8	Endosulfan I	NS	ug/L	U	U	U	U	U	0.0014 J, P	U	U
1031-07-8	Endosulfan sulfate	NS	ug/L	U	U	U	U	0.0023 J, P	U	U	U
72-20-8	Endrin	ND	ug/L	U	U	U	U	U	U	U	U
7421-93-4	Endrin aldehyde	5	ug/L	U	U	U	U	U	U	U	U
58-89-9	gamma-BHC (Lindane)	0.05	ug/L	U	U	0.0032 J, P	U	U	U	U	U
5103-74-2	gamma-Chlordane	0.05	ug/L	U	U	U	0.0027 B, J, P	0.0021 J, P	0.0083 J, P	U	0.0035 J, P
76-44-8	Heptachlor	0.04	ug/L	U	U	U	U	U	U	U	0.0017 J, P
1024-57-3	Heptachlor epoxide	0.03	ug/L	U	U	U	0.00052 B, J, P	U	0.0027 J, P	U	0.00066 B, J, P
	Total Pesticides			ND	ND	0.0032	0.00383	0.00716	0.0124	ND	0.02106
	PCBs										
	None Detected										
	Total PCBs			ND	ND	ND	ND	ND	ND	ND	ND
	INORGANICS										
7429-90-5	Aluminum	NS	ug/L	35.2 B	51.5 B	84.4 B	35.5 B	56.3 B	53.4 B	253	56.8 B
7440-36-0	Antimony	3	ug/L	U	2.7 B	U	U	1.9 B	U	U	U
7440-38-2	Arsenic	25	ug/L	8 B	U	U	U	U	U	U	U
7440-39-3	Barium	1000	ug/L	109 B	157 B	134 B	126 B	131 B	137 B	158 B	165 B
7440-41-7	Beryllium	3 (G)	ug/L	0.95 B	U	0.07 B	U	U	U	0.07 B	U
7440-43-9	Cadmium	5	ug/L	3 B	U	U	U	0.53 B	U	U	U
7440-70-2	Calcium	NS	ug/L	123000	168000	165000	166000	161000	159000	167000	252000
7440-47-8	Chromium	50	ug/L	U	2.9 B	2.8 B	U	4.9 B	3 B	3.9 B, E	7.6 B
7440-50-8	Copper	200	ug/L	U	0.97 B	1.1 B	U	1.3 B	U	0.83 B	U
7439-89-6	Iron	300	ug/L	**14600**	**20700**	**22400**	**21600**	**18100**	**17500**	**19600**	**33100**
7439-92-1	Lead	25	ug/L	U	U	U	U	U	U	U	U
7439-95-4	Magnesium	35000 (G)	ug/L	24900	25600	25700	24400	19500	16400	17800	**36000**
7439-96-5	Manganese	300	ug/L	**1010**	**1420**	**1590**	**1610**	**1150**	**1220**	**1470**	**2100**
7440-02-0	Nickel	100	ug/L	U	0.71 B	U	U	U	U	1.3 B, E	U
7440-09-7	Potassium	NS	ug/L	12300	22900	23100	25600	36900	54100	57900	56600
7782-49-2	Selenium	10	ug/L	U	U	U	U	U	U	U	U
7440-22-4	Silver	50	ug/L	1.5 B	0.64 B	0.75 B	U	U	U	U	U
7440-23-5	Sodium	20000	ug/L	**28700**	**35900**	**36300**	**33600**	**32800**	**36500**	**43500 E**	**58300**
7440-28-0	Thallium	.5 (G)	ug/L	U	**6 B**	**6.2 B**	U	U	U	U	U
7440-62-2	Vanadium	NS	ug/L	U	1.1 B	1.3 B	1.4 B	U	1.4 B	1.4 B, E	0.66 B, J, P
7440-66-6	Zinc	2000 (G)	ug/L	48.8	4.8 B	11.7 B	1.9 B	7.4 B	7.5 B	41.6	3.3
57-12-5	Cyanide	200	ug/L	5.5	20.7	U	U	U	U	U	23
	Total Inorganics			204,721.95	274,769.02	274,332.32	272,974.80	269,653.33	284,922.30	307,730.10	438,356.36

Notes:

NYSDEC June 1998 Ambient Water Quality Standards and Guidance Values for Groundwater Class GA.

Bold and shaded values exceed the NYSDEC Class GA groundwater standard/guidance value.

ND = Not Detected

NS = No Standard

(G) = Guidance Value

U = Indicates compound was analyzed for, but not detected at or above the reporting limit.

J = Result is less than the Reporting Limit but greater than or equal to the Method Detection Limit and the concentration is an approximate value.

B = Compound was found in the blank and sample.

Appendix B-2
Monitoring Well MW-6
Historically Detected Compounds

Cherry Farm Monitoring Wells Historically Detected Compounds		NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample Source: SDG: Matrix: Sampled:	MW-6 R7179 OBG 7645 Water 12/14/2000	MW-6 S7280 OBG 9259 Water 6/19/2001	MW-6 T6911 OBG 739 Water 12/12/2001	MW-6 V4636 OB 2494 Water 6/19/2002	MW-6 Z7812 OB 4203 Water 12/18/2002	MW-6 A7433 OB 5716 Water 6/24/2003	MW-6 B4508 OB 6968 Water 12/18/2003	MW-6 E1190 OB 6968 Water 6/9/2004	MW-6 0508015-003A OB 200508 Water 8/1/2005
CAS NO.	COMPOUND		UNITS:									
	VOLATILES											
67-64-1	Acetone	50 (G)	ug/L	3 J	5 J	U	U	4 J, B	U	U	2 J, B	3 J, B
75-15-0	Carbon disulfide	60 (G)	ug/L	U	U	U	U	U	1 J	U	U	U
75-09-2	Methylene chloride	5	ug/L	U	U	1 J, B	U	1 J, B	U	U	0.6 J, B	0.7 J, B
	Total VOCs			3	5	1	ND	5	1	ND	2.6	3.7
	SEMIVOLATILES											
117-81-7	bis(2-ethylhexyl)phthalate	5	ug/L	U	3 J	1 J, B	U	U	U	U	4 J	U
56-55-3	Benzo[a]anthracene	0.002 (G)	µg/L	U	U	U	U	U	U	U	U	U
205-99-2	Benzo[b]fluoranthene	0.002 (G)	µg/L	U	U	U	U	U	U	U	U	U
191-24-2	Benzo[g,h,i]perylene	NS	µg/L	U	U	U	U	U	U	U	U	U
207-08-9	Benzo[k]flouranthene	0.002 (G)	µg/L	U	U	U	U	U	U	U	U	U
85-68-7	Butyl benzyl phthalate	50 (G)	µg/L	U	U	U	U	U	U	U	U	U
218-01-9	Chrysene	0.002 (G)	µg/L	U	U	U	U	U	U	U	U	U
84-66-2	Diethyl phthalate	50 (G)	µg/L	U	U	U	U	U	U	U	U	U
84-74-2	Di-n-butyl phthalate	50	ug/L	U	U	U	U	U	U	U	U	U
117-84-0	Di-n-octyl phthalate	50 (G)	µg/L	U	U	U	U	U	U	U	U	U
129-00-0	Pyrene	50 (G)	µg/L	U	U	U	U	U	U	U	U	U
	Total SVOCs			ND	3	1	ND	ND	ND	ND	4	ND
	PESTICIDES											
309-00-2	Aldrin	ND	ug/L	0.0017 J, P	U	U	0.012 J, P	U	U	U	U	
319-84-6	alpha-BHC	0.01	ug/L	U	U	U	U	U	U	U	U	
72-55-9	4,4'-DDE	0.2	ug/L	U	0.0027 B, J	U	U	U	U	U	U	
50-29-3	4,4'-DDT	0.2	ug/L	U	0.0033 J, P	U	U	U	U	U	U	
60-57-1	Dieldrin	0.004	ug/L	U	U	U	U	U	U	U	U	
959-98-8	Endosulfan I	NS	ug/L	U	U	U	U	U	U	U	U	
1031-07-8	Endosulfan sulfate	NS	ug/L	U	U	U	U	U	U	U	0.0071 J, P	
72-20-8	Endrin	ND	ug/L	0.00069 J, P	U	U	U	U	U	U	U	
7421-93-4	Endrin aldehyde	5	ug/L	U	U	0.01 B, J, P	U	U	0.0056 B, J	U	U	
58-89-9	gamma-BHC (Lindane)	0.05	ug/L	U	U	U	U	U	U	U	U	
5103-74-2	gamma-Chlordane	0.05	ug/L	U	U	U	U	U	U	U	0.0036 B, J, P	
76-44-8	Heptachlor	0.04	ug/L	U	U	U	U	U	U	U	U	
1024-57-3	Heptachlor epoxide	0.03	ug/L	0.00057 J, P	U	U	U	U	U	U	U	
	Total Pesticides			0.00296	0.006	0.01	0.012	ND	0.0056	ND	0.0107	NA
	PCBs											
	None Detected											
	Total PCBs			ND	ND	ND	ND	ND	ND	ND	ND	ND
	INORGANICS											
7429-90-5	Aluminum	NS	ug/L	95.5 B, E	263	160 B	357	74.6 B	30.6 B	74 B	111 B	
7440-36-0	Antimony	3	ug/L	U	U	U	U	U	U	U	U	
7440-38-2	Arsenic	25	ug/L	U	U	U	U	1.9 B	U	U	U	
7440-39-3	Barium	1000	ug/L	158 B	154 B	149 B	111 B	84 B	107 B	110 B	105 B	
7440-41-7	Beryllium	3 (G)	ug/L	0.29 B	U	0.11 B	0.17 B	U	U	U	U	
7440-43-9	Cadmium	5	ug/L	U	U	U	U	U	U	U	U	
7440-70-2	Calcium	NS	ug/L	247000	254000	235000	235000	171000	148000	158000	154000	
7440-47-8	Chromium	50	ug/L	6.8 B	6.1 B	6.8 B	4.1 B, E	3.4 B	2.1 B	2.6 B	2.5 B	
7440-50-8	Copper	200	ug/L	U	1.8 B	U	2.3 B	U	U	U	U	
7439-89-6	Iron	300	ug/L	**46900**	**66600**	**54000**	**46700**	**36100**	**27000**	**26600**	**24500**	
7439-92-1	Lead	25	ug/L	2.9 B	U	1.6 B	U	U	U	U	0.69 B	
7439-95-4	Magnesium	35000 (G)	ug/L	**49200**	**61500**	**49500**	**53600**	**44400**	**35600**	**36900**	34500	
7439-96-5	Manganese	300	ug/L	**3310**	**4620**	**4190**	**2900**	**2000**	**1530**	**1420**	**1300**	
7440-02-0	Nickel	100	ug/L	U	U	1.4 B	U	U	U	U	U	
7440-09-7	Potassium	NS	ug/L	32800 E	31300	51800	22500	17200	14600	13200	12300	
7782-49-2	Selenium	10	ug/L	U	2.7 B	U	U	U	U	2.7 B	U	
7440-22-4	Silver	50	ug/L	U	U	U	U	U	U	U	U	
7440-23-5	Sodium	20000	ug/L	**62400**	**70000**	**66400**	**55400 E**	**44900**	**35300**	**35000**	**33700**	
7440-28-0	Thallium	.5 (G)	ug/L	U	U	U	U	U	U	U	U	
7440-62-2	Vanadium	NS	ug/L	1 B	1.6 B	1.8 B	U	2.1 B	1.2 B	U	U	
7440-66-6	Zinc	2000 (G)	ug/L	2.2 B	8.6 B	5.6 B	270	1.3 B	15.4 B	3.3 B	9.8 B	
57-12-5	Cyanide	200	ug/L	11.7	12	U	U	15.7	8.3 B	10.6	U	
	Total Inorganics			441,888.39	488,469.80	461,216.31	416,844.57	315,783.00	262,194.60	271,323.20	260,528.99	NA

Notes:

NYSDEC June 1998 Ambient Water Quality Standards and Guidance Values for Groundw

Bold and shaded values exceed the NYSDEC Class GA groundwater standard/guidance va

ND = Not Detected

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B = Compound was found in the blank and sample.

Appendix B-2
Monitoring Well MW-6
Historically Detected Compounds

Cherry Farm Monitoring Wells Historically Detected Compounds		NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample Source: SDG: Matrix: Sampled:	MW-6 0603108-002A LSL-BL 6030950 Water 3/23/2006	MW-6 A7E98507 TA A07-E985 Water 12/26/2007	MW-6 A8E30604 TA A08-E150 Water 11/10/2008	MW-6 RTF0798-05 TA RTF0798 Water 6/10/2010	MW-6 480-2185-5 TA 480-2185 Water 3/3/2011	MW-6 480-14453-5 TA 480-14453 Water 12/23/2011	MW-6 480-23574-3 TA 480-23574 Water 8/7/2012	MW-6 480-38363-6 TA 480-38363 Water 5/15/2013
CAS NO.	COMPOUND		UNITS:								
	VOLATILES										
67-64-1	Acetone	50 (G)	ug/L	2 J, B	U	U	U	U	U	U	U
75-15-0	Carbon disulfide	60 (G)	ug/L	U	U	U	U	U	U	U	U
75-09-2	Methylene chloride	5	ug/L	0.8 J, B	U	U	U	U	U	U	U
	Total VOCs			2.8	ND	ND	ND	ND	ND	ND	ND
	SEMIVOLATILES										
117-81-7	bis(2-ethylhexyl)phthalate	5	ug/L	U	**17**	U	U	U	U	U	U
56-55-3	Benzo[a]anthracene	0.002 (G)	µg/L	U	U	U	U	U	U	U	**0.75 J B**
205-99-2	Benzo[b]fluoranthene	0.002 (G)	µg/L	U	U	U	U	U	U	U	**0.70 J B**
191-24-2	Benzo[g,h,i]perylene	NS	µg/L	U	U	U	U	U	U	U	0.51 J
207-08-9	Benzo[k]flouranthene	0.002 (G)	µg/L	U	U	U	U	U	U	U	**0.82 J**
85-68-7	Butyl benzyl phthalate	50 (G)	µg/L	U	U	U	U	U	U	U	0.94 J B
218-01-9	Chrysene	0.002 (G)	µg/L	U	U	U	U	U	U	U	**0.31 J**
84-66-2	Diethyl phthalate	50 (G)	µg/L	U	U	U	U	U	U	U	0.34 J
84-74-2	Di-n-butyl phthalate	50	ug/L	U	0.4 J, B	0.3 J	0.45 J	0.43 J	0.98 J, B	U	0.75 J B
117-84-0	Di-n-octyl phthalate	50 (G)	µg/L	U	U	U	U	U	U	U	0.85 J B
129-00-0	Pyrene	50 (G)	µg/L	U	U	U	U	U	U	U	0.38 J
	Total SVOCs			ND	17.4	0.3	0.45	0.43	0.98	ND	6.35
	PESTICIDES										
309-00-2	Aldrin	ND	ug/L								
319-84-6	alpha-BHC	0.01	ug/L								
72-55-9	4,4'-DDE	0.2	ug/L								
50-29-3	4,4'-DDT	0.2	ug/L								
60-57-1	Dieldrin	0.004	ug/L								
959-98-8	Endosulfan I	NS	ug/L								
1031-07-8	Endosulfan sulfate	NS	ug/L								
72-20-8	Endrin	ND	ug/L								
7421-93-4	Endrin aldehyde	5	ug/L								
58-89-9	gamma-BHC (Lindane)	0.05	ug/L								
5103-74-2	gamma-Chlordane	0.05	ug/L								
76-44-8	Heptachlor	0.04	ug/L								
1024-57-3	Heptachlor epoxide	0.03	ug/L								
	Total Pesticides			NA	NA	NA	NA	NA	NA	NA	NA
	PCBs										
	None Detected										
	Total PCBs			ND	ND	ND	ND	ND	ND	ND	ND
	INORGANICS										
7429-90-5	Aluminum	NS	ug/L								
7440-36-0	Antimony	3	ug/L								
7440-38-2	Arsenic	25	ug/L								
7440-39-3	Barium	1000	ug/L								
7440-41-7	Beryllium	3 (G)	ug/L								
7440-43-9	Cadmium	5	ug/L								
7440-70-2	Calcium	NS	ug/L								
7440-47-8	Chromium	50	ug/L								
7440-50-8	Copper	200	ug/L								
7439-89-6	Iron	300	ug/L								
7439-92-1	Lead	25	ug/L								
7439-95-4	Magnesium	35000 (G)	ug/L								
7439-96-5	Manganese	300	ug/L								
7440-02-0	Nickel	100	ug/L								
7440-09-7	Potassium	NS	ug/L								
7782-49-2	Selenium	10	ug/L								
7440-22-4	Silver	50	ug/L								
7440-23-5	Sodium	20000	ug/L								
7440-28-0	Thallium	.5 (G)	ug/L								
7440-62-2	Vanadium	NS	ug/L								
7440-66-6	Zinc	2000 (G)	ug/L								
57-12-5	Cyanide	200	ug/L								
	Total Inorganics			NA	NA	NA	NA	NA	NA	NA	NA

Notes:

NYSDEC June 1998 Ambient Water Quality Standards and Guidance Values for Groundw

Bold and shaded values exceed the NYSDEC Class GA groundwater standard/guidance va

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Appendix B-2
Monitoring Well MW-7
Historically Detected Compounds

Cherry Farm Monitoring Wells Historically Detected Compounds		NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample Source: SDG: Matrix: Sampled:	MW-7 162138 Columbia MW1 Water 8/12/1997	MW-7 G5190 OBG 5116 Water 11/20/1997	MW-7 H1024 OBG 6857 Water 2/20/1998	MW-7 H7534 OBG 7830 Water 5/29/1998	MW-7 J8492 OBG 9596 Water 10/23/1998	MW-7 M0299 OBG 1516 Water 4/21/1999	MW-7 N4879 OBG 3856 Water 11/9/1999	MW-7 Q4029 OBG 5512 Water 4/28/2000	MW-7 R7151 OBG 7645 Water 12/13/2000
CAS NO.	COMPOUND		UNITS:									
	VOLATILES											
67-64-1	Acetone	50 (G)	µg/L	U	U	U	U	8 J, B	U	U	U	8 J
75-15-0	Carbon disulfide	60 (G)	µg/L	U	U	U	U	U	11	8 J	4 J	U
75-09-2	Methylene chloride	5	µg/L	U	U	U	U	1 J	U	U	U	1 J
127-18-4	Tetrachloroethene	5	µg/L	U	U	U	U	U	U	U	U	1 J
1330-20-7	Xylene (total)	5	µg/L	U	U	U	U	1 J	U	U	U	U
	Total VOCs			ND	ND	ND	ND	10	11	8	4	10
	SEMIVOLATILES											
56-55-3	Benzo[a]anthracene	20 (G)	µg/L	U	U	U	U	U	U	U	U	U
50-32-8	Benzo[a]pyrene	NS	µg/L	U	U	U	U	U	U	U	U	U
205-99-2	Benzo[b]fluoranthene	0.002 (G)	µg/L	U	U	U	U	U	U	U	U	U
191-24-2	Benzo[g,h,i]perylene	NS	µg/L	U	U	U	U	U	U	U	U	U
207-08-9	Benzo[k]fluoranthene	0.002 (G)	µg/L	U	U	U	U	U	U	U	U	U
117-81-7	bis(2-ethylhexyl)phthalate	5	µg/L	2 J, B	U	U	U	U	U	U	U	U
85-68-7	Butyl benzyl phthalate	50 (G)	µg/L	1 J, B	U	U	U	U	U	U	U	U
218-01-9	Chrysene	0.002 (G)	µg/L	U	U	U	U	U	U	U	U	U
84-74-2	Di-n-butyl phthalate	50	µg/L	3 J, B	U	U	U	U	U	U	U	U
117-84-0	Di-n-octyl phthalate	50 (G)	µg/L	U	U	U	U	U	U	U	U	U
105-67-9	2,4-Dimethylphenol	1	µg/L	U	U	U	U	U	U	U	U	U
206-44-0	Fluoranthene	50 (G)	µg/L	U	U	U	U	U	U	U	U	U
193-39-5	Indeno[1,2,3-cd]pyrene	0.002 (G)	µg/L	U	U	U	U	U	U	U	U	U
95-48-7	2-Methylphenol	1	µg/L	U	U	U	U	U	U	U	U	U
106-44-5	4-Methylphenol	1	µg/L	U	U	U	U	U	U	U	U	U
91-20-3	Naphthalene	10 (G)	µg/L	10 J	8 J	3 J	1 J	U	U	U	U	U
108-95-2	Phenol	1	µg/L	**2J, B**	U	U	U	U	U	U	U	U
129-00-0	Pyrene	50 (G)	µg/L	U	U	U	U	U	U	U	U	U
	Total SVOCs			18	8	3	1	ND	ND	ND	ND	ND
	PESTICIDES											
309-00-2	Aldrin	ND	µg/L	U	U	U	U	U	U	U	U	U
319-84-6	alpha-BHC	0.01	µg/L	U	U	U	0.00044 B, J, P	U	0.0061 B, J	U	U	U
319-86-8	delta-BHC	0.04	µg/L	U	U	U	U	U	U	U	U	0.00061 B, J, P
72-54-8	4,4'-DDD	0.3	µg/L	U	U	U	U	U	U	U	U	0.003 J, P
72-55-9	4,4'-DDE	0.2	µg/L	U	U	U	U	U	U	U	U	U
60-57-1	Dieldrin	0.004	µg/L	U	U	U	U	U	U	U	U	U
959-98-8	Endosulfan I	NS	µg/L	U	U	U	U	U	0.0012 J, P	U	U	U
33213-65-9	Endosulfan II	NS	µg/L	U	U	U	0.00072 B, J, P	U	U	U	U	0.00089 J, P
1031-07-8	Endosulfan sulfate	NS	µg/L	U	U	0.0033 J, P	U	U	U	U	U	0.1 J, P
7421-93-4	Endrin aldehyde	5	µg/L	U	U	U	U	U	U	U	U	U
53494-70-5	Endrin ketone	5	µg/L	U	U	U	U	0.0013	U	U	U	U
58-89-9	gamma-BHC (Lindane)	0.05	µg/L	U	U	0.0055 J	0.00091 J, P	U	U	0.012 J, P	0.0029 J, P	U
5103-74-2	gamma-Chlordane	0.05	µg/L	U	U	U	0.0042 B, J, P	0.0037	0.008 J, P	U	0.0042 J, P	U
1024-57-3	Heptachlor epoxide	0.03	µg/L	U	U	U	U	U	0.0048 J	U	0.0018 B, J, P	U
72-43-5	Methoxychlor	35	µg/L	U	U	U	U	U	U	U	U	0.044 B, J, P
	Total Pesticides			ND	ND	0.0088	0.00627	0.005	0.0201	0.012	0.0089	0.1485
	PCBs											
	PCB-1242			U	U	U	U	U	U	U	U	U
	Total PCBs			ND	ND	ND	ND	ND	ND	ND	ND	ND
	INORGANICS											
7429-90-5	Aluminum	NS	µg/L	122	24900	1540	398	189 B	316	711	1730	544 E
7440-36-0	Antimony	3	µg/L	U	**8.6 B**	U	U	U	U	U	U	U
7440-38-2	Arsenic	25	µg/L	24.2	**52.2**	U	U	U	U	U	14	6.4 B
7440-39-3	Barium	1000	µg/L	246	637	543	612	616	575	614	626	538
7440-41-7	Beryllium	3 (G)	µg/L	1.2 B	1.8 B	0.13 B	U	U	U	0.26 B	0.19 B	0.33 B
7440-43-9	Cadmium	5	µg/L	4 B	1.1 B	U	U	U	U	U	U	U
7440-70-2	Calcium	NS	µg/L	60800	214000	104000	106000	103000	110000	111000	120000	125000
7440-47-8	Chromium	50	µg/L	U	**77.2**	7.4 B	U	6.3 B	8.5 B	7.4 B, E	16.8	12.2
7440-48-4	Cobalt	NS	µg/L	U	17.6 B	U	U	U	U	U	1.7 B	U
7440-50-8	Copper	200	µg/L	U	56	3.2 B	1.3 B	2.2 B	2.7 B	3.3 B	4.7 B	2.4 B
7439-89-6	Iron	300	µg/L	**17900**	**75100**	**13100**	**11200**	**11200**	**12300**	**14300**	**27200**	**17700**
7439-92-1	Lead	25	µg/L	U	**53.2**	U	U	U	U	U	3 B	2.6 B
7439-95-4	Magnesium	35000 (G)	µg/L	7880	**41900**	21100	20800	21400	22000	22600	**190000**	21000
7439-96-5	Manganese	300	µg/L	226	**1790**	177	126	121	149	170	**382**	246
7440-02-0	Nickel	100	µg/L	U	54.8	2.7 B	2 B	1.4 B	3.5 B	4.5 B, E	8.1 B	4.4 B
7440-09-7	Potassium	NS	µg/L	8780	6220	2170 B	2310 B	1200 B	2170 B	2440 B	9540	5770 E
7782-49-2	Selenium	10	µg/L	U	5	U	U	U	U	U	U	U
7440-22-4	Silver	50	µg/L	1.4 B	U	U	U	U	U	U	U	U
7440-23-5	Sodium	20000	µg/L	**22800**	**26100**	**22300**	**20900**	**22100**	**23700**	**25700 E**	**27000**	**22900**
7440-28-0	Thallium	.5 (G)	µg/L	U	**6.9 B**	**3.6 B**	U	U	U	U	U	U
7440-62-2	Vanadium	NS	µg/L	U	42.5 B	3.4 B	1.8 B	U	1.4 B	2.2 B, E	4.3 B	1.6 B
7440-66-6	Zinc	2000 (G)	µg/L	62.7	307	15.1 B	13.4 B	23.2	18.2 B	18.3 B	45.4	13.1 B
57-12-5	Cyanide	200	µg/L	7.4	31	13	U	U	U	U	U	U
	Total Inorganics			118,854.90	391,361.90	164,978.53	162,364.50	159,859.10	171,244.30	177,570.96	376,576.19	193,741.03

Notes:

NYSDEC June 1998 Ambient Water Quality Standards and Guidance Values for Groundwater Class GA.

Bold and shaded values exceed the NYSDEC Class GA groundwater standard/guidance value.

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U = Indicates compound was analyzed for, but not detected at or above the reporting limit.

J = Result is less than the Reporting Limit but greater than or equal to the Method Detection Limit and the concentration is an approximate value.

B = Compound was found in the blank and sample.

Appendix B-2
Monitoring Well MW-7
Historically Detected Compounds

Cherry Farm Monitoring Wells Historically Detected Compounds		NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample Source: SDG: Matrix: Sampled:	MW-7 S7277 OBG 9259 Water 6/18/2001	MW-7 T6913 OBG 739 Water 12/12/2001	MW-7 V4634 OB 2494 Water 6/19/2002	MW-7 Z9833 OB 4203 Water 12/19/2002	MW-7 A7552 OB 5716 Water 6/25/2003	MW-7 B4509 OB 6968 Water 12/18/2003	MW-7 E1192 OB 6968 Water 6/9/2004	MW-7 0508015-001A OB 200508 Water 8/1/2005	MW-7 0603108-002A LSL-BL 6030950 Water 3/23/2006
CAS NO.	COMPOUND		UNITS:									
	VOLATILES											
67-64-1	Acetone	50 (G)	µg/L	U	U	U	3 J, B	U	U	3 J, B	4 J, B	2 J, B
75-15-0	Carbon disulfide	60 (G)	µg/L	U	U	U	U	30	U	U	U	U
75-09-2	Methylene chloride	5	µg/L	U	0.9 J, B	1 J	1 J, B	0.5 J, B	U	0.7 J, B	2 J, B	1 J, B
127-18-4	Tetrachloroethene	5	µg/L	U	U	U	U	U	U	U	U	U
1330-20-7	Xylene (total)	5	µg/L	U	U	U	U	U	U	U	U	U
	Total VOCs			ND	0.9	1	4	30.5	ND	3.7	6	3
	SEMIVOLATILES											
56-55-3	Benzo[a]anthracene	20 (G)	µg/L	U	U	U	9 J	U	U	U	U	U
50-32-8	Benzo[a]pyrene	NS	µg/L	U	U	U	7 J	U	U	U	U	U
205-99-2	Benzo[b]fluoranthene	0.002 (G)	µg/L	U	U	U	**14**	U	U	U	U	U
191-24-2	Benzo[g,h,i]perylene	NS	µg/L	U	U	U	4 J	U	U	U	U	U
207-08-9	Benzo[k]fluoranthene	0.002 (G)	µg/L	U	U	U	**4 J**	U	U	U	U	U
117-81-7	bis(2-ethylhexyl)phthalate	5	µg/L	4 J	U	U	**11**	U	U	**18**	U	U
85-68-7	Butyl benzyl phthalate	50 (G)	µg/L	U	U	U	U	U	U	U	U	U
218-01-9	Chrysene	0.002 (G)	µg/L	U	U	U	**7 J**	U	U	U	U	U
84-74-2	Di-n-butyl phthalate	50	µg/L	U	U	U	U	U	U	U	U	U
117-84-0	Di-n-octyl phthalate	50 (G)	µg/L	U	U	U	U	U	U	U	U	U
105-67-9	2,4-Dimethylphenol	1	µg/L	U	U	U	**6 J**	U	U	U	U	U
206-44-0	Fluoranthene	50 (G)	µg/L	U	U	U	13	U	U	U	U	U
193-39-5	Indeno[1,2,3-cd]pyrene	0.002 (G)	µg/L	U	U	U	**4 J**	U	U	U	U	U
95-48-7	2-Methylphenol	1	µg/L	U	U	U	1	U	U	U	U	U
106-44-5	4-Methylphenol	1	µg/L	U	U	U	**3 J**	U	U	U	U	U
91-20-3	Naphthalene	10 (G)	µg/L	U	U	U	U	U	U	U	U	U
108-95-2	Phenol	1	µg/L	U	U	U	U	U	U	U	U	U
129-00-0	Pyrene	50 (G)	µg/L	U	U	U	26	U	U	U	U	U
	Total SVOCs			4	ND	ND	109	ND	ND	18	ND	ND
	PESTICIDES											
309-00-2	Aldrin	ND	µg/L	U	U	0.011 J, P	U	U	U	U		
319-84-6	alpha-BHC	0.01	µg/L	U	U	U	U	U	U	U		
319-86-8	delta-BHC	0.04	µg/L	U	U	U	U	U	U	U		
72-54-8	4,4'-DDD	0.3	µg/L	U	U	U	U	U	U	U		
72-55-9	4,4'-DDE	0.2	µg/L	0.003 B, J, P	U	U	U	U	U	U		
60-57-1	Dieldrin	0.004	µg/L	U	0.0027 J	U	U	U	U	U		
959-98-8	Endosulfan I	NS	µg/L	U	U	U	U	U	U	U		
33213-65-9	Endosulfan II	NS	µg/L	U	U	U	U	U	U	U		
1031-07-8	Endosulfan sulfate	NS	µg/L	U	U	U	U	U	U	U		
7421-93-4	Endrin aldehyde	5	µg/L	U	0.021 B, J	U	U	0.004 B, J	U	U		
53494-70-5	Endrin ketone	5	µg/L	U	U	U	U	U	U	U		
58-89-9	gamma-BHC (Lindane)	0.05	µg/L	U	0.0039 J	U	U	U	U	U		
5103-74-2	gamma-Chlordane	0.05	µg/L	U	U	U	U	U	U	0.0024 B, J, P		
1024-57-3	Heptachlor epoxide	0.03	µg/L	U	U	U	U	U	U	U		
72-43-5	Methoxychlor	35	µg/L	U	U	U	U	U	U	U		
	Total Pesticides			0.003	0.0276	0.011	ND	0.004	ND	0.0024	NA	NA
	PCBs											
	PCB-1242			U	U	U	U	U	U	U	U	U
	Total PCBs			ND	ND	ND	ND	ND	ND	ND	ND	ND
	INORGANICS											
7429-90-5	Aluminum	NS	µg/L	79.1 B	265	582	304	315	224	329		
7440-36-0	Antimony	3	µg/L	U	U	U	U	U	U	U		
7440-38-2	Arsenic	25	µg/L	15.5	25	19.9	21.3	15.8	20.9	16.8		
7440-39-3	Barium	1000	µg/L	374	388	375	369	360	348	362		
7440-41-7	Beryllium	3 (G)	µg/L	U	0.11 B	0.22 B	U	U	U	U		
7440-43-9	Cadmium	5	µg/L	U	0.62 B	U	U	U	U	U		
7440-70-2	Calcium	NS	µg/L	107000	112000	112000	109000	109000	108000	114000		
7440-47-8	Chromium	50	µg/L	6.6 B	8.7 B	4.6 B, E	11.5	5.7 B	U	4.9 B		
7440-48-4	Cobalt	NS	µg/L	U	1.5 B	U	U	U	U	U		
7440-50-8	Copper	200	µg/L	U	U	U	U	0.9 B	U	U		
7439-89-6	Iron	300	µg/L	**25100**	**30700**	**26500**	**26300**	**22800**	**23900**	**23200**		
7439-92-1	Lead	25	µg/L	U	U	U	U	U	U	0.8 B		
7439-95-4	Magnesium	35000 (G)	µg/L	14800	13700	14200	13100	13600	12200	13200		
7439-96-5	Manganese	300	µg/L	292	**344**	298	**302**	282	277	287		
7440-02-0	Nickel	100	µg/L	2.6 B	4 B	U	4.3 B	1.7 B	U	2.5 B		
7440-09-7	Potassium	NS	µg/L	13100	16700	13000	12600	10700	12000	11200		
7782-49-2	Selenium	10	µg/L	U	U	U	U	U	3 B	U		
7440-22-4	Silver	50	µg/L	U	U	U	U	U	U	U		
7440-23-5	Sodium	20000	µg/L	**23500**	**24800**	**27800 E**	**27200**	**26700**	**27700**	**28900**		
7440-28-0	Thallium	.5 (G)	µg/L	U	U	U	U	U	U	U		
7440-62-2	Vanadium	NS	µg/L	1.2 B	1.7 B	1.4 B	1.8 B	1.4 B	U	U		
7440-66-6	Zinc	2000 (G)	µg/L	10 B	20.2	12.2 B	20.4	31.6	1.8 B	38.1		
57-12-5	Cyanide	200	µg/L	U	10.2	U	11.8	14.4	13.4	U		
	Total Inorganics			184,281.00	198,969.03	194,793.32	189,246.10	183,828.50	184,688.10	191,541.10	NA	NA

Notes:
NYSDEC June 1998 Ambient Water Quality Standards and Guidance Values for Groundv
Bold and shaded values exceed the NYSDEC Class GA groundwater standard/guidance v
ND = Not Detected
NS = No Standard
(G) = Guidance Value
U = Indicates compound was analyzed for, but not detected at or above the reporting limit
J = Result is less than the Reporting Limit but greater than or equal to the Method Detecti
B = Compound was found in the blank and sample.

Appendix B-2
Monitoring Well MW-7
Historically Detected Compounds

Cherry Farm Monitoring Wells Historically Detected Compounds		NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample Source: SDG: Matrix: Sampled:	MW-7 A7E98508 TA A07-E985 Water 12/26/2007	MW-7 A8E15004 TA A08-E150 Water 11/6/2008	MW-7 480-2185-6 TA 480-2185 Water 3/3/2011	MW-7 480-14453-6 TA 480-14453 Water 12/23/2011	MW-7 480-23574-4 TA 480-23574 Water 8/7/2012	MW-7 480-38363-7 TA 480-38363 Water 5/15/2013
CAS NO.	COMPOUND		UNITS:						
	VOLATILES								
67-64-1	Acetone	50 (G)	µg/L	U	U	U	U	U	U
75-15-0	Carbon disulfide	60 (G)	µg/L	U	U	U	U	U	U
75-09-2	Methylene chloride	5	µg/L	U	U	U	U	U	U
127-18-4	Tetrachloroethene	5	µg/L	U	U	U	U	U	U
1330-20-7	Xylene (total)	5	µg/L	U	U	U	U	U	U
	Total VOCs			ND	ND	ND	ND	ND	ND
	SEMIVOLATILES								
56-55-3	Benzo[a]anthracene	20 (G)	µg/L	U	U	U	U	U	**1.0 J B**
50-32-8	Benzo[a]pyrene	NS	µg/L	U	U	U	U	U	0.61 J
205-99-2	Benzo[b]fluoranthene	0.002 (G)	µg/L	U	U	U	U	U	**1.0 J B**
191-24-2	Benzo[g,h,i]perylene	NS	µg/L	U	U	U	U	U	0.73 J
207-08-9	Benzo[k]fluoranthene	0.002 (G)	µg/L	U	U	U	U	U	**1.1 J**
117-81-7	bis(2-ethylhexyl)phthalate	5	µg/L	**37**	U	U	U	U	U
85-68-7	Butyl benzyl phthalate	50 (G)	µg/L	U	U	U	U	U	1.4 J B
218-01-9	Chrysene	0.002 (G)	µg/L	U	U	U	U	U	**0.45 J**
84-74-2	Di-n-butyl phthalate	50	µg/L	0.4 J, B	0.3 J	0.41 J	1.0 J, B	U	0.91 J B
117-84-0	Di-n-octyl phthalate	50 (G)	µg/L	U	U	U	U	U	1.3 J B
105-67-9	2,4-Dimethylphenol	1	µg/L	U	U	U	U	U	U
206-44-0	Fluoranthene	50 (G)	µg/L	U	U	U	U	U	U
193-39-5	Indeno[1,2,3-cd]pyrene	0.002 (G)	µg/L	U	U	U	U	U	**0.55 J**
95-48-7	2-Methylphenol	1	µg/L	U	U	U	U	U	U
106-44-5	4-Methylphenol	1	µg/L	U	0.4 J	U	U	U	U
91-20-3	Naphthalene	10 (G)	µg/L	U	U	U	U	U	U
108-95-2	Phenol	1	µg/L	U	U	U	U	U	U
129-00-0	Pyrene	50 (G)	µg/L	U	U	U	U	U	0.56 J
	Total SVOCs			37.4	0.7	0.41	1	ND	9.61
	PESTICIDES								
309-00-2	Aldrin	ND	µg/L						
319-84-6	alpha-BHC	0.01	µg/L						
319-86-8	delta-BHC	0.04	µg/L						
72-54-8	4,4'-DDD	0.3	µg/L						
72-55-9	4,4'-DDE	0.2	µg/L						
60-57-1	Dieldrin	0.004	µg/L						
959-98-8	Endosulfan I	NS	µg/L						
33213-65-9	Endosulfan II	NS	µg/L						
1031-07-8	Endosulfan sulfate	NS	µg/L						
7421-93-4	Endrin aldehyde	5	µg/L						
53494-70-5	Endrin ketone	5	µg/L						
58-89-9	gamma-BHC (Lindane)	0.05	µg/L						
5103-74-2	gamma-Chlordane	0.05	µg/L						
1024-57-3	Heptachlor epoxide	0.03	µg/L						
72-43-5	Methoxychlor	35	µg/L						
	Total Pesticides			NA	NA	NA	NA	NA	NA
	PCBs								
	PCB-1242			U	U	U	U	**1.5**	U
	Total PCBs			ND	ND	ND	ND	1.5	ND
	INORGANICS								
7429-90-5	Aluminum	NS	µg/L						
7440-36-0	Antimony	3	µg/L						
7440-38-2	Arsenic	25	µg/L						
7440-39-3	Barium	1000	µg/L						
7440-41-7	Beryllium	3 (G)	µg/L						
7440-43-9	Cadmium	5	µg/L						
7440-70-2	Calcium	NS	µg/L						
7440-47-8	Chromium	50	µg/L						
7440-48-4	Cobalt	NS	µg/L						
7440-50-8	Copper	200	µg/L						
7439-89-6	Iron	300	µg/L						
7439-92-1	Lead	25	µg/L						
7439-95-4	Magnesium	35000 (G)	µg/L						
7439-96-5	Manganese	300	µg/L						
7440-02-0	Nickel	100	µg/L						
7440-09-7	Potassium	NS	µg/L						
7782-49-2	Selenium	10	µg/L						
7440-22-4	Silver	50	µg/L						
7440-23-5	Sodium	20000	µg/L						
7440-28-0	Thallium	.5 (G)	µg/L						
7440-62-2	Vanadium	NS	µg/L						
7440-66-6	Zinc	2000 (G)	µg/L						
57-12-5	Cyanide	200	µg/L						
	Total Inorganics			NA	NA	NA	NA	NA	NA

Notes:
NYSDEC June 1998 Ambient Water Quality Standards and Guidance Values for Ground
Bold and shaded values exceed the NYSDEC Class GA groundwater standard/guidance v
ND = Not Detected
NS = No Standard
(G) = Guidance Value
U = Indicates compound was analyzed for, but not detected at or above the reporting limit
J = Result is less than the Reporting Limit but greater than or equal to the Method Detecti
B = Compound was found in the blank and sample.

Appendix B-2
Former Recovery Wells RW-4 and RW-5
Historically Detected Compounds

Cherry Farm Monitoring Well Sampling Historically Detected Compounds		NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled:	RW-4 0508082-002A OB 200508 Water 8/11/2005	RW-4 0603110-002A LSL-BL 6030950 Water 3/24/2006	RW-4 A7E98509 TA A07-E985 Water 12/27/2007	RW-4 A8E15005 TA A08-E150 Water 11/5/2008	RW-4 480-2185-8 TA 480-2185 Water 3/3/2011	RW-4 480-14402-1 TA 480-14402 Water 12/22/2011	RW-4 480-23574-5 TA 480-23574 Water 8/7/2012	RW-4 480-38452-6 TA 480-38452 Water 5/16/2013
CAS NO.	COMPOUND		UNITS:								
	VOLATILES										
67-64-1	Acetone	50 (G)	µg/L	5 J, B	1 J, B	U	U	U	U	U	U
71-43-2	Benzene	1	µg/L	**4 J**	U	U	U	U	**9.9**	**6.5**	**13**
75-15-0	Carbon Disulfide	60 (G)	µg/L	U	U	U	U	U	0.52 J, B	U	U
156-59-2	cis-1,2-Dichloroethene	5	µg/L	0.7 J	U	U	U	U	U	U	U
100-41-4	Ethylbenzene	5	µg/L	0.7 J	U	U	U	U	1.5	1.6	**5.7**
75-09-2	Methylene chloride	5	µg/L	0.9 J, B	0.9 J, B	U	U	U	U	U	U
100-42-5	Styrene	5	µg/L	U	U	U	U	U	U	U	U
108-88-3	Toluene	5	µg/L	1 J	U	U	U	U	0.82 J	0.55 J	U
1330-20-7	Xylenes, Total	5	µg/L	U	U	U	U	U	1.2 J	3.3	4.4
	Total VOCs			12.3	1.9	ND	ND	ND	13.94	11.95	23.1
	SEMIVOLATILES										
120-12-7	Anthracene	50 (G)	µg/L	U	U	U	U	U	U	U	U
208-96-8	Acenaphthylene	NS	µg/L	U	U	U	U	U	U	U	0.49 J
56-55-3	Benzo(a)anthracene	0.002 (G)	µg/L	U	U	U	U	U	U	U	U
50-32-8	Benzo(a)pyrene	NS	µg/L	U	U	U	U	U	U	U	U
205-99-2	Benzo(b)fluoranthene	0.002 (G)	µg/L	U	U	U	U	U	U	U	U
191-24-2	Benzo(g,h,i)perylene	NS	µg/L	U	U	U	U	U	U	U	U
101-55-3	4-Bromophenyl phenyl ether	NS	µg/L	U	U	U	U	U	U	U	U
117-81-7	Bis(2-ethylhexyl)phthalate	5	µg/L	U	U	U	U	U	U	U	U
85-68-7	Butyl benzyl phthalate	50 (G)	µg/L	U	U	U	U	U	U	U	U
86-74-8	Carbazole	NS	µg/L	U	U	U	U	U	U	U	U
218-01-9	Chrysene	0.002 (G)	µg/L	U	U	U	U	U	U	U	U
53-70-3	Dibenz(a,h)anthracene	NS	µg/L	U	U	U	U	U	U	U	U
81-74-2	Di-n-butyl phthalate	50	µg/L	U	2 J	U	U	0.37 J	U	U	0.29 J
117-84-0	Di-n-octyl-phthalate	50 (G)	µg/L	U	U	U	U	U	U	U	U
106-46-7	1,4-Dichlorobenzene	3	µg/L	U	U	U	0.5 B, J	U	0.34 J	U	U
206-44-0	Fluoranthene	50 (G)	µg/L	U	U	U	U	U	U	U	U
193-39-5	Ideno(1,2,3-cd)pyrene	0.002 (G)	µg/L	U	U	U	U	U	U	U	U
91-57-6	2-Methylnaphthalene	NS	µg/L	U	U	U	U	U	U	U	U
100-02-7	4-Nitrophenol	1	µg/L	U	U	U	U	U	U	U	U
91-20-3	Naphthalene	10 (G)	µg/L	7 J	U	U	0.2 B, J	U	3.2 J	5.8	U
85-01-8	Phenanthrene	50 (G)	µg/L	U	U	U	U	U	U	U	U
108-95-2	Phenol	1	µg/L	U	U	U	U	U	U	U	0.57 J
129-00-0	Pyrene	50 (G)	µg/L	U	U	U	U	U	U	U	U
	Total SVOCs			7	2	ND	0.7	0.37	3.54	5.8	1.35
	PCBs										
	None detected										
	Total PCBs			ND	ND	ND	ND	ND	ND	ND	ND

Notes:
NYSDEC June 1998 Ambient Water Quality Standards and Guidance Values for Groundwater Class GA.
Bold and shaded values exceed the NYSDEC Class GA groundwater standard/guidance value.
ND = Not Detected
NS = No Standard
(G) = Guidance Value
U = Indicates compound was analyzed for, but not detected at or above the reporting limit.
J = Result is less than the Reporting Limit but greater than or equal to the Method Detection Limit and the concentration is an approximate value.
B = Compound was found in the blank and sample.

Appendix B-2
Former Recovery Wells RW-4 and RW-5
Historically Detected Compounds

Cherry Farm Monitoring Well Sampling Historically Detected Compounds		NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled:	RW-5 0508082-001A OB 200508 Water 8/11/2005	RW-5 0603110-001A LSL-BL 6030950 Water 3/24/2006	RW-5 A7E985010 TA A07-E985 Water 12/27/2007	RW-5 A8E15006 TA A08-E150 Water 11/5/2008	RW-5 RSI0296-05 TA RSI0296 Water 9/8/2009	RW-5 RTF0903-03 TA RTF0798 Water 6/14/2010	RW-5 480-2185-9 TA 480-2185 Water 3/3/2011	RW-5 480-14402-2 TA 480-14402 Water 12/22/2011	RW-5 480-23574-6 TA 480-23574 Water 8/7/2012	RW-5 480-38452-7 TA 480-38452 Water 5/16/2013
CAS NO.	COMPOUND		UNITS:										
	VOLATILES												
67-64-1	Acetone	50 (G)	µg/L	5 J, B	2 J, B	U	U	2.8 J	U	U	U	U	U
71-43-2	Benzene	1	µg/L	**25**	U	U	U	**1.8**	0.89 J	U	U	**41**	U
75-15-0	Carbon Disulfide	60 (G)	µg/L	U	U	U	U	U	U	U	0.56 J, B	U	U
156-59-2	cis-1,2-Dichloroethene	5	µg/L	U	U	U	U	U	U	U	U	U	U
100-41-4	Ethylbenzene	5	µg/L	**12**	U	U	U	U	U	U	U	**15**	U
75-09-2	Methylene chloride	5	µg/L	1 J, B	U	U	U	U	U	U	U	U	U
100-42-5	Styrene	5	µg/L	**10**	U	U	U	U	U	U	U	U	U
108-88-3	Toluene	5	µg/L	**15**	U	U	U	U	U	U	U	1.5	U
1330-20-7	Xylenes, Total	5	µg/L	U	U	U	U	U	U	U	U	**24**	U
	Total VOCs			68	2	ND	ND	4.6	0.89	ND	0.56	81.5	ND
	SEMIVOLATILES												
120-12-7	Anthracene	50 (G)	µg/L	U	U	U	U	U	U	U	0.64 J	U	U
208-96-8	Acenaphthylene	NS	µg/L	5 J	U	U	U	U	U	U	U	0.77 J	U
56-55-3	Benzo(a)anthracene	0.002 (G)	µg/L	U	U	U	U	U	U	U	**0.72 J**	U	U
50-32-8	Benzo(a)pyrene	NS	µg/L	U	U	U	U	U	U	U	0.48 J	U	U
205-99-2	Benzo(b)fluoranthene	0.002 (G)	µg/L	U	U	U	U	U	U	U	**0.54 J**	U	U
191-24-2	Benzo(g,h,i)perylene	NS	µg/L	U	U	U	U	U	U	U	0.57 J	U	U
101-55-3	4-Bromophenyl phenyl ether	NS	µg/L	U	U	U	U	U	U	U	0.63 J	U	U
117-81-7	Bis(2-ethylhexyl)phthalate	5	µg/L	U	U	U	U	U	U	U	3.2 J	U	U
85-68-7	Butyl benzyl phthalate	50 (G)	µg/L	U	U	U	U	U	U	U	3.4 J	U	U
86-74-8	Carbazole	NS	µg/L	2 J	U	U	U	U	U	U	0.34 J	U	U
218-01-9	Chrysene	0.002 (G)	µg/L	U	U	U	U	U	U	U	**0.62 J**	U	U
53-70-3	Dibenz(a,h)anthracene	NS	µg/L	U	U	U	U	U	U	U	0.53 J	U	U
81-74-2	Di-n-butyl phthalate	50	µg/L	U	U	U	0.3 J	U	U	0.34 J	0.83 J	U	0.41 J
117-84-0	Di-n-octyl-phthalate	50 (G)	µg/L	U	U	U	U	U	U	U	3.0 J	U	U
106-46-7	1,4-Dichlorobenzene	3	µg/L	U	U	U	U	U	U	U	U	U	U
206-44-0	Fluoranthene	50 (G)	µg/L	U	U	U	U	U	U	U	0.69 J	U	U
193-39-5	Ideno(1,2,3-cd)pyrene	0.002 (G)	µg/L	U	U	U	U	U	U	U	**0.55 J**	U	U
91-57-6	2-Methylnaphthalene	NS	µg/L	8 J	U	U	U	U	U	U	U	1.7 J	U
100-02-7	4-Nitrophenol	1	µg/L	**3 J**	U	U	U	U	U	U	U	U	U
91-20-3	Naphthalene	10 (G)	µg/L	**430 E**	U	U	U	U	U	U	U	8.8	U
85-01-8	Phenanthrene	50 (G)	µg/L	U	U	U	U	U	U	U	0.89 J	U	U
108-95-2	Phenol	1	µg/L	**3 J**	U	U	U	U	U	U	U	U	U
129-00-0	Pyrene	50 (G)	µg/L	U	U	U	U	U	U	U	0.76 J	U	U
	Total SVOCs			451	ND	ND	0.3	ND	ND	0.34	18.39	11.27	0.41
	PCBs												
	None detected												
	Total PCBs			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
NYSDEC June 1998 Ambient Water Quality Standards and Guidance Values for Groundwater Class
Bold and shaded values exceed the NYSDEC Class GA groundwater standard/guidance value.
ND = Not Detected
NS = No Standard
(G) = Guidance Value
U = Indicates compound was analyzed for, but not detected at or above the reporting limit.
J = Result is less than the Reporting Limit but greater than or equal to the Method Detection Limit an
B = Compound was found in the blank and sample.

APPENDIX B-3
Historically Detected Compounds
(Sumps, 1997-2013)

Appendix B-3
Sump S-1
Historically Detected Compounds

Cherry Farm Sump Samples Historically Detected Compounds		NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample Source: SDG: Matrix: Sampled:	S-1 G5093 OBG 5116 Water 11/20/1997	S-1 H0918 OBG 6847 Water 2/18/1998	S-1 H7400 OBG 7810 Water 5/28/1998	S-1 J8341 OBG 9571 Water 10/21/1998	S-1 M0193 OBG 1489 Water 4/20/1999	S-1 N4877 OBG 3856 Water 11/9/1999	S-1NAPL A9751104 OBG 11090 Water 11/9/1999	S-1 Q3849 OBG 5490 Water 4/26/2000	S-1 R7180 OBG 7645 Water 12/14/2000	S-1 S7322 OBG 9270 Water 6/20/2001	S-1 T7106 OBG 764 Water 12/13/2001
CAS NO.	COMPOUND		UNITS:											
	VOLATILES													
67-64-1	Acetone	50 (G)	µg/L	7 J	4 J	9 J	10 J	13	7 J		7 J	5 J	12	4 J
71-43-2	Benzene	0.7	µg/L	U	U	U	U	U	U		U	U	U	U
78-93-3	2-Butanone	50	µg/L	U	U	U	U	U	U		U	U	3 J	U
75-15-0	Carbon disulfide	60 (G)	µg/L	U	U	U	U	7 J	U		U	U	U	U
108-90-7	Chlorobenzene	5	µg/L	U	U	U	U	U	U		U	U	U	U
75-00-3	Chloroethane	5	µg/L	U	U	U	U	U	U		U	U	1 J	U
74-87-3	Chloromethane	5	µg/L	U	U	U	U	U	U		U	U	2 J	U
75-34-3	1,1-Dichloroethane	5	µg/L	2 J	2 J	U	U	U	U		U	U	U	U
156-59-2	cis-1,2-Dichloroethene	5	µg/L	U	U	U	U	U	U		U	U	U	U
540-59-0	1,2-Dichloroethene (total)	5	µg/L	U	U	U	U	U	U		U	U	U	U
108-10-1	4-Methyl-2-pentanone	NS	µg/L	3 J	2 J	U	2 J	U	U		U	U	U	U
75-09-2	Methylene chloride	5	µg/L	U	U	U	2 J	U	U		U	U	1 J	0.6 J, B
127-18-4	Tetrachloroethene	5	µg/L	U	U	U	U	U	U		U	U	U	U
108-88-3	Toluene	5	µg/L	U	U	U	U	U	U		U	U	U	U
79-01-6	Trichloroethene	5	µg/L	U	U	U	U	U	U		U	U	U	U
75-01-4	Vinyl chloride	3	µg/L	U	U	U	U	U	U		U	U	U	U
1330-20-7	Xylene (total)	5	µg/L	2 J	2 J	U	U	U	U		U	U	U	U
	Total VOCs			14	10	9	14	20	7	NA	7	5	19	4.6
	SEMIVOLATILES													
83-32-9	Acenaphthene	20 (G)	µg/L	11	**38**	3 J	**370 D**	**180 D**	**55 J, D**	**130000 J**	**77 J, D**	12 J, D	U	U
120-12-7	Anthracene	50(G)	µg/L	14	39	2 J	**300 D**	**110 D**	23 J, D	**83000 J**	U	U	U	U
56-55-3	Benzo[a]anthracene	20 (G)	µg/L	17	**94 E**	2 J	**420 D**	**310 D**	**78 J, D**	**160000 J**	**170 J, D**	**33 J, D**	**52 J, D**	**29 J, D**
50-32-8	Benzo[a]pyrene	ND	µg/L	12	57	2 J	230 D	150 D	42 J, D	73000 J	88 J, D	**21 J, D**	30 J, D	19 J, D
205-99-2	Benzo[b]fluoranthene	0.002 (G)	µg/L	**16**	**75**	**2 J**	**350 D**	**210 D**	**76 J, D**	**180000 J**	**170 J, D**	**34 J, D**	**68 J, D**	**34 J, D**
191-24-2	Benzo[g,h,i]perylene	NS	µg/L	6 J	34	U	130 D	220 D	U	U	U	U	U	U
207-08-9	Benzo[k]fluoranthene	0.002 (G)	µg/L	**6 J**	**29**	U	**160 D**	**77 D**	**29 J, D**	U	U	U	**25 J, D**	U
117-81-7	bis(2-Ethylhexyl)phthalate	5	µg/L	**21**	**120 E**	4 J	**530 D**	**190 D**	**46 J, D**	**82000 J**	**140 J, D**	**11 J, D**	**55 J, D**	**29 J, D, B**
86-74-8	Carbazole	NS	µg/L	U	U	2 J	U	U	U	U	U	**30 J, D**	U	U
218-01-9	Chrysene	0.002 (G)	µg/L	**19**	**90 E**	**2 J**	**430 D**	**380 D**	**92 J, D**	**160000 J**	**160 J, D**	**34 J, D**	**43 J, D**	**19 J, D**
84-74-2	Di-n-butyl phthalate	50	µg/L	U	U	U	U	U	U	U	U	U	U	U
53-70-3	Dibenz[a,h]anthracene	NS	µg/L	U	10	U	40 J, D	U	U	U	U	U	U	U
132-64-9	Dibenzofuran	NS	µg/L	5 J	31	2 J	250 D	73 D	24 J, D	U	U	U	U	U
541-73-1	1,3-Dichlorobenzene	3	µg/L	U	3 J	1 J	**16 J, D**	U	U	U	U	U	U	U
106-46-7	1,4-Dichlorobenzene	3	µg/L	2 J	**14**	**6 J**	**77 J, D**	**13**	U	U	U	U	U	U
120-83-2	2,4-Dichlorophenol	1	µg/L	1 J	U	U	U	U	U	U	U	U	U	U
84-66-2	Diethyl phthalate	50 (G)	µg/L	U	U	U	U	U	U	U	U	U	U	U
105-67-9	2,4-Dimethylphenol	1	µg/L	**260 E**	**290 E**	**78**	**84 J, D**	**33**	**12 J, D**	U	U	**12 J, D**	U	U
131-11-3	Dimethyl phthalate	50 (G)	µg/L	U	U	U	U	U	U	U	**570 J, D**	U	U	U
206-44-0	Fluoranthene	50 (G)	µg/L	**82 E**	**330 E**	6 J	**1800 D, E**	**710 D, E**	**160 J, D**	**600000 J**	U	U	**89 J, D**	**51 J, D**
86-73-7	Fluorene	50 (G)	µg/L	8 J	30	2 J	**390 D**	**99 D**	39 J, D	**1200000 J**	U	U	U	U
193-39-5	Indeno[1,2,3-cd]pyrene	0.002 (G)	µg/L	**6 J**	**30**	U	**120 D**	**190 D**	**21 J, D**	U	U	U	U	U
91-57-6	2-Methylnaphthalene	NS	µg/L	2 J	5 J	1 J	130 D	17 J, D	79 J	U	U	U	U	U
95-48-7	2-Methylphenol	1	µg/L	**51**	**33**	**6 J**	U	U	U	U	U	U	U	U
106-44-5	4-Methylphenol	1	µg/L	**86 E**	**37**	**37**	U	U	U	U	U	U	U	U
91-20-3	Naphthalene	10 (G)	µg/L	3 J	5 J	2 J	**65 J, D**	6 J, D	U	U	U	U	U	U
100-02-7	4-Nitrophenol	1	µg/L	U	U	U	U	U	U	U	U	U	U	U
85-01-8	Phenanthrene	50 (G)	µg/L	24	**140 E**	4 J	**1400 E, D**	**210 D**	**54 J, D**	**200000 J**	U	U	U	U
108-95-2	Phenol	1	µg/L	**68**	**40**	**17**	U	U	U	U	U	U	U	U
129-00-0	Pyrene	50 (G)	µg/L	45	**290 E**	11	**1200 E, D**	**1400 E, D**	**440 D**	**570000 J**	**560 J, D**	**94 J, D**	**170 J, D**	**69 J, D**
120-82-1	1,2,4-Trichlorobenzene	5	µg/L	**12**	**52**	4 J	**31 J, D**	U	U	U	U	U	U	U
	Total SVOCs			777	1,916	196	8,523	4,578	1,270	3,438,000	1,935.0	281.0	532.0	250.0
	PESTICIDES													
309-00-2	Aldrin	ND	µg/L	U	U	0.008 J, P	U	U	0.038 J, P		U	U	U	U
319-84-6	alpha-BHC	0.01	µg/L	U	U	**0.011 J, P**	U	U	U		**0.12 J, P**	**0.018 J, P**	U	**0.11 J, P**
319-86-8	delta-BHC	0.04	µg/L	U	0.021 J, P	U	U	0.0048 J, P	0.0046 J, P		0.0026 J, P	U	0.0045 J, P	U
58-89-9	gamma-BHC (Lindane)	0.05	µg/L	U	U	U	U	U	U		U	U	U	**0.28 P**
5103-71-9	alpha-Chlordane	0.05	µg/L	U	U	U	U	U	U		U	U	U	U
5103-74-2	gamma-Chlordane	0.05	µg/L	U	U	0.02 J, P	U	U	0.0082 J, P		U	U	U	**1.2 P**
72-54-8	4,4'-DDD	0.3	µg/L	0.026 J, P	0.26 J, P	0.058 J, P	0.033 J, P	0.051 J, P	U		0.029 J, P	U	0.068 J, P	U
72-55-9	4,4'-DDE	0.2	µg/L	U	**1.4 P**	0.016 J, P	**0.51 P**	**1.3 P**	**0.24 J, P**		**0.79**	**0.58 P**	**2.1 B, P**	**2.3**
50-29-3	4,4'-DDT	0.2	µg/L	U	U	U	U	U	U		0.028 J, P	0.17 J, P	**0.83 P**	U
60-57-1	Dieldrin	0.004	µg/L	U	U	U	U	U	**0.25 J, P**		U	U	U	**1.9 B, P**
959-98-8	Endosulfan I	NS	µg/L	U	U	U	U	0.14 J, P	U		0.13 J, P	0.1 J, P	0.62 P	0.33 P
33213-65-9	Endosulfan II	NS	µg/L	1.4	17 E	0.081 J, P	3.1	2.1	U		U	U	U	U
1031-07-8	Endosulfan sulfate	NS	µg/L	U	U	U	0.086 J, P, B	U	0.44 J		U	0.13 J, P	0.17 J, P	U
72-20-8	Endrin	ND	µg/L	U	U	0.023 J, P	U	U	U		0.13 J, P	1 P	0.31 J, P, B	0.68 P
7421-93-4	Endrin aldehyde	5	µg/L	U	1.8 P	U	0.045 J, P	0.3 J, P	0.047 J, P		0.025 J, P	0.067 J, P	0.82 P	0.71 B, P
53494-70-5	Endrin ketone	5	µg/L	U	U	U	U	U	U		U	U	U	0.069 J, P
76-44-8	Heptachlor	0.04	µg/L	U	**0.39 P**	U	U	U	U		U	U	U	U
1024-57-3	Heptachlor epoxide	0.03	µg/L	U	U	0.0057 J, P	U	U	U		U	U	U	U
72-43-5	Methoxychlor	35	µg/L	0.079 J, P	U	0.097 J, P	U	0.83 J, P	0.092 J, P		U	U	U	0.35 J, P
	Total Pesticides			1.5	20.9	0.3	3.8	4.7	1.1	NA	1.3	2.1	4.9	7.9
	PCBs													
53469-21-9	Aroclor-1242	Sum of all PCBs	µg/L	U	U	**0.88 J, P**	U	U	U	U	U	U	U	U
12672-29-6	Aroclor-1248	< 0.09	µg/L	**7.4**	**100 P**	U	**39 P**	**74 P**	**19 P**	**330000**	**56**	**48**	**150 P**	**110**
11096-82-5	Aroclor-1260		µg/L	**43**	**330 E**	**2.4 P**	**89 E**	**72 P**	**9.2 P**	**120000**	**26**	**17 P**	**88 E, P**	**53**
	Total PCBs			50.4	430	3.28	128	146	28.2	450000	82	65	238	163
	INORGANICS													
7429-90-5	Aluminum	NS	µg/L	142 B	1090	30.2 B	5870	2390	859		1920	6890 E	3290	18300
7440-36-0	Antimony	3	µg/L	U	U	U	**4.9 B**	2.9 B	U		U	1.9 B	U	U
7440-38-2	Arsenic	25	µg/L	4.7 B	5.8 B	10.2	20.6	10.4	14.1		7.6 B	23.4	7.8 B	13.2
7440-39-3	Barium	1,000	µg/L	187 B	196 B	151 B	463	332	490		278	468	313	**1080**
7440-41-7	Beryllium	3 (G)	µg/L	U	0.1 B	U	0.34 B	0.18 B	0.16 B		0.16 B	0.65 B	0.15 B	2.5 B
7440-43-9	Cadmium	5	µg/L	U	U	U	1.8 B	0.55 B	U		U	U	U	0.37 B
7440-70-2	Calcium	NS	µg/L	46300	50900	45700	233000	152000	254000		105000	160000	111000	470000
7440-47-8	Chromium	50	µg/L	1.2 B	5.4 B	U	16.3	7.6 B	5.1 B, E		15.2	16	7.6 B	48.8
7440-48-4	Cobalt	NS	µg/L	U	U	U	5.7 B	2.2 B	U		1.2 B	4.9 B	1.7 B	25.3 B
7440-50-8	Copper	200	µg/L	7.4 B	5.3 B	4 B	115	79.1	3 B		6.5 B	23.4 B	7.7 B	11.5 B
7439-89-6	Iron	300	µg/L	**1500**	**4440**	**3060**	**21800**	**7920**	**19000**		**9790**	**23400**	**15400**	**105000**
7439-92-1	Lead	25	µg/L	2.6 B	8.2	U	**47.6**	19.4	2.4 B		20.5	**28.3**	15.2	23.1
7439-95-4	Magnesium	35,000 (G)	µg/L	9410	10100	7730	16700	12900	13600		15600	14800	13900	33900
7439-96-5	Manganese	300	µg/L	**1210**	**1330**	**1080**	**3150**	**2290**	**3480**		**1510**	**2580**	**1830**	**6640**
7439-97-6	Mercury	0.7	µg/L	U	U	U	U	U	U		U	U	U	U
7440-02-0	Nickel	100	µg/L	7.7 B	17 B	8.1 B	28.9 B	18.2 B	33.5 B, E		45.3	28.6 B	12.4 B	**102**
7440-09-7	Potassium	NS	µg/L	16700	14500	20300	24400	23700	23000		22500	23900 E	23900	25300
7782-49-2	Selenium	10	µg/L	U	U	U	2.9 B	U	U		U	U	U	3.4 B
7440-22-4	Silver	50	µg/L	U	U	U	U	U	U		U	U	U	U
7440-23-5	Sodium	20,000	µg/L	**116000**	**110000**	**93300**	**93000**	**138000**	**145000 E**		**121000**	**118000**	**125000**	**124000**
7440-28-0	Thallium	0.5 (G)	µg/L	U	**4.1 B**	U	U	U	U		U	U	U	U
7440-62-2	Vanadium	NS	µg/L	1.8 B	3.6 B	1.2 B	13.4 B	7.4 B	5.2 B, E		6.2 B	12.7 B	8.2 B	63.5
7440-66-6	Zinc	2,000 (G)	µg/L	15.8 B	157	23.7	384	138	149		205	197	164	1340
57-12-5	Cyanide	200	µg/L	14.9	U	U	U	U	U		U	U	U	12.6
	Total Inorganics			191,505	192,763	171,398	399,024	339,818	459,641	NA	277,906	350,375	294,858	785,866

Notes:

NYSDEC June 1998 Ambient Water Quality Standards and Guidance Values for Groundwater Class GA.

Bold and shaded values exceed the NYSDEC Class GA groundwater standard/guidance value.

ND = Not Detected

NS = No Standard

(G) = Guidance Value

U = Indicates compound was analyzed for, but not detected at or above the reporting limit.

J = Result is less than the Reporting Limit but greater than or equal to the Method Detection Limit and the concentration is an approximate value.

B = Compound was found in the blank and sample.

Appendix B-3
Sump S-1
Historically Detected Compounds

Cherry Farm Sump Samples Historically Detected Compounds		NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample Source: SDG: Matrix: Sampled:	S-1 V4632 OB 2494 Water 6/19/2002	S-1 Z7813 OB 4203 Water 12/18/2002	S-1 A7429 OB 5716 Water 6/24/2003	S-1 B4467 OB 6968 Water 12/18/2003	S-1 E1135 OB 6968 Water 6/8/2004	S-1 0508015-006A OB 200508 Water 8/2/2005	S-1 0603095-002A LSL-BL 6030950 Water 3/21/2006	S-1 A7E985011 TA A07-E985 Water 12/27/2007	S-1 A8E30606 TA A08-E150 Water 11/10/2008	S-1 RSI0312-01 TA RSI0296 Water 9/9/2009	S-1 RTF0860-02 TA RTF0798 Water 6/11/2010
CAS NO.	COMPOUND		UNITS:											
	VOLATILES													
67-64-1	Acetone	50 (G)	µg/L	U	6 J, B	6 J	U	10 J, B	5 J, B	5 J, B	U	U	5.5	U
71-43-2	Benzene	0.7	µg/L	U	U	U	U	U	U	U	U	U	U	U
78-93-3	2-Butanone	50	µg/L	U	2 J	U	U	2 J	U	U	U	U	U	U
75-15-0	Carbon disulfide	60 (G)	µg/L	15	U	U	U	U	U	U	U	U	U	U
108-90-7	Chlorobenzene	5	µg/L	U	0.8 J	U	U	0.6 J	0.7 J	0.8 J	3 J	U	U	U
75-00-3	Chloroethane	5	µg/L	U	U	U	U	U	U	U	U	U	U	U
74-87-3	Chloromethane	5	µg/L	U	U	U	U	U	U	U	U	U	U	U
75-34-3	1,1-Dichloroethane	5	µg/L	U	U	U	U	U	U	U	U	U	0.5 J	U
156-59-2	cis-1,2-Dichloroethene	5	µg/L	U	U	U	U	U	U	2 J	U	U	U	U
540-59-0	1,2-Dichloroethene (total)	5	µg/L	U	U	U	U	U	U	U	U	U	4.8	4 DO3, J
108-10-1	4-Methyl-2-pentanone	NS	µg/L	U	U	U	U	0.6 J	U	U	U	U	U	U
75-09-2	Methylene chloride	5	µg/L	2 J	0.7 J, B	0.5 J	U	1 J, B	0.9 J, B	1 J, B	U	U	U	U
127-18-4	Tetrachloroethene	5	µg/L	U	U	U	U	U	U	U	U	U	U	U
108-88-3	Toluene	5	µg/L	U	U	U	U	U	0.7 J	U	U	U	U	U
79-01-6	Trichloroethene	5	µg/L	U	U	U	U	U	U	U	U	U	0.66 J	U
75-01-4	Vinyl chloride	3	µg/L	U	U	U	U	U	U	U	U	U	0.59 J	U
1330-20-7	Xylene (total)	5	µg/L	U	U	U	U	U	U	U	U	U	U	U
	Total VOCs			17	9.5	6.5	ND	14.2	7.3	8.8	3	ND	12.05	4
	SEMIVOLATILES													
83-32-9	Acenaphthene	20 (G)	µg/L	U	U	U	10 J, D	U	2 J	U	1 J	U	U	U
120-12-7	Anthracene	50(G)	µg/L	U	U	U	U	U	U	U	0.8 J	U	U	U
56-55-3	Benzo[a]anthracene	20 (G)	µg/L	**29 J, D**	U	**90 J, D**	**56 D**	13	12	61 J	U	U	32 J	U
50-32-8	Benzo[a]pyrene	ND	µg/L	26 J, D	U	72 J, D	53 D	10 J	10	62 J	U	**0.3 J**	**37 J**	U
205-99-2	Benzo[b]fluoranthene	0.002 (G)	µg/L	**45 J, D**	**57 J**	**110 J, D**	**84 D**	**15 J**	**20**	**100 J**	U	**0.3 J**	**47 J**	U
191-24-2	Benzo[g,h,i]perylene	NS	µg/L	U	U	U	U	4 J	4 J	33 J	U	0.2 J, B	U	U
207-08-9	Benzo[k]fluoranthene	0.002 (G)	µg/L	**14 J, D**	U	**58 J, D**	**31 J, D**	**10 J**	**5 J**	**38 J**	U	U	**26 J**	U
117-81-7	bis(2-Ethylhexyl)phthalate	5	µg/L	**32 J, D**	U	**100 J, D**	**77 D**	**13 J**	**8 J**	**76 J**	U	U	**110**	U
86-74-8	Carbazole	NS	µg/L	U	U	U	U	U	U	U	2 J	0.5 J	U	1.1 J
218-01-9	Chrysene	0.002 (G)	µg/L	**20 J, D**	U	**83 J, D**	**46 J, D**	**12 J**	**10**	**54 J**	U	U	**27 J**	U
84-74-2	Di-n-butyl phthalate	50	µg/L	U	U	U	U	U	U	U	U	0.7 J, B	U	U
53-70-3	Dibenz[a,h]anthracene	NS	µg/L	U	U	U	U	2 J	1 J	U	U	U	U	U
132-64-9	Dibenzofuran	NS	µg/L	U	U	U	U	U	U	U	0.7 J	U	U	U
541-73-1	1,3-Dichlorobenzene	3	µg/L	U	U	U	U	2 J	U	U	U	U	U	U
106-46-7	1,4-Dichlorobenzene	3	µg/L	U	U	U	**7 J, D**	3 J	1 J	U	1 J, B	U	U	0.53 J
120-83-2	2,4-Dichlorophenol	1	µg/L	U	U	U	U	U	U	U	U	U	U	U
84-66-2	Diethyl phthalate	50 (G)	µg/L	U	U	U	U	U	U	U	U	1 J, B	U	U
105-67-9	2,4-Dimethylphenol	1	µg/L	**26 J, D**	U	U	**14 J, D**	**7 J**	**22**	U	**8**	U	U	**8.2**
131-11-3	Dimethyl phthalate	50 (G)	µg/L	U	U	U	U	U	U	U	U	U	U	U
206-44-0	Fluoranthene	50 (G)	µg/L	43 J, D	**98 J**	**230 J, D**	**120 D**	27	21	**140 J**	0.4 J	0.8 J, B	45 J	U
86-73-7	Fluorene	50 (G)	µg/L	U	U	U	U	U	U	U	1 J	0.4 J	U	U
193-39-5	Indeno[1,2,3-cd]pyrene	0.002 (G)	µg/L	**10 J, D**	U	U	U	**4 J**	**4 J**	**32 J**	U	**0.2 J, B**	U	U
91-57-6	2-Methylnaphthalene	NS	µg/L	U	U	U	U	U	U	U	0.6 J	U	U	U
95-48-7	2-Methylphenol	1	µg/L	U	U	U	U	U	U	U	0.2 J	U	U	0.79 J
106-44-5	4-Methylphenol	1	µg/L	**13 J, D**	U	U	U	U	**2 J**	U	U	U	U	U
91-20-3	Naphthalene	10 (G)	µg/L	U	U	U	U	U	U	U	2 J	0.3 J, B	U	U
100-02-7	4-Nitrophenol	1	µg/L	U	U	U	U	U	U	U	**9 J**	**U**	U	U
85-01-8	Phenanthrene	50 (G)	µg/L	U	U	U	U	U	U	U	1 J	U	U	U
108-95-2	Phenol	1	µg/L	U	U	U	U	**2 J**	**2 J**	U	U	U	U	U
129-00-0	Pyrene	50 (G)	µg/L	**86 J, D**	**120 J, D**	**270 J, D**	**170 D**	**75**	30	**190 J**	0.8 J	0.6 J	**90 J**	U
120-82-1	1,2,4-Trichlorobenzene	5	µg/L	U	U	U	U	U	U	U	U	U	U	U
	Total SVOCs			344.0	275.0	1,013.0	668.0	199.0	154.0	786.0	28.5	5.3	414.0	10.62
	PESTICIDES													
309-00-2	Aldrin	ND	µg/L	U	U	U	U	U	U	U	U	U	U	U
319-84-6	alpha-BHC	0.01	µg/L	U	**0.26**	**0.072 J, P**	U	U	**0.11 J, P**	U	U	U	U	U
319-86-8	delta-BHC	0.04	µg/L	U	U	U	U	U	U	U	U	U	U	U
58-89-9	gamma-BHC (Lindane)	0.05	µg/L	**1.3 P**	U	U	**0.092 J, P**	**0.2 J, P**	**0.46 P**	0.19 J	U	U	**3.2 J**	0.012 QSU, J
5103-71-9	alpha-Chlordane	0.05	µg/L	U	U	**0.096 J, P**	U	U	**0.22 J, P**	U	U	U	U	U
5103-74-2	gamma-Chlordane	0.05	µg/L	U	**0.53 P**	U	U	U	**2 P**		.012 J	U	U	0.012 QSU, J
72-54-8	4,4'-DDD	0.3	µg/L	U	U	**2.3 P**	0.053 J, P	U	U	U	U	U	U	U
72-55-9	4,4'-DDE	0.2	µg/L	**9.3 E**	**0.69 P**	**1 P**	**0.61 P**	**1.1**	**4.3**	**1.4 P**	U	U	**4.8 J**	0.017 QSU, J
50-29-3	4,4'-DDT	0.2	µg/L	U	U	U	U	U	U	U	U	U	U	U
60-57-1	Dieldrin	0.004	µg/L	**6.2 P**	**0.88**	**1 P**	**0.42 J, P**	**0.85 B, P**	U	U	**0.023 J**	**0.13 J**	**6.7**	U
959-98-8	Endosulfan I	NS	µg/L	1.1 P	0.095 J, P	0.84 P	U	0.24 J, P	0.58 P	U	U	U	U	U
33213-65-9	Endosulfan II	NS	µg/L	U	0.082 J, P	U	0.046 J, P	0.05 J, P	U	U	U	U	U	U
1031-07-8	Endosulfan sulfate	NS	µg/L	U	U	U	U	U	0.32 J, P	0.48 J, P	U	U	U	U
72-20-8	Endrin	ND	µg/L	2.5 P	U	U	2.6	0.67 P	1.7 P	0.9 J	U	U	U	U
7421-93-4	Endrin aldehyde	5	µg/L	2.7 P	0.26 J, P	0.38 J, P, B	U	0.86 P	U	U	U	U	**5.9 J**	U
53494-70-5	Endrin ketone	5	µg/L	**8.7 P**	U	0.46 J, P	0.87 P	U	0.23 J, P	0.16 J, P	U	U	U	U
76-44-8	Heptachlor	0.04	µg/L	**5.3 E, P**	U	**0.26 P**	**0.41 P**	**0.78 P**	U	U	U	U	U	U
1024-57-3	Heptachlor epoxide	0.03	µg/L	U	U	U	U	U	U	U	U	U	U	U
72-43-5	Methoxychlor	35	µg/L	2.1 J, P	U	1.3 J, P	U	U	0.84 J, P	U	U	U	U	U
	Total Pesticides			39.2	2.8	7.7	5.1	4.8	10.8	3.1	0.0	0.1	20.6	0.041
	PCBs													
53469-21-9	Aroclor-1242	Sum of all PCBs	µg/L	U	U	U	U	U	U	**58 P**	**0.62**	U	U	U
12672-29-6	Aroclor-1248	< 0.09	µg/L	**400 E**	**54 P**	**62 P**	**33 P**	**55**	**240 P**	**30**	U	**2.6**	**290**	U
11096-82-5	Aroclor-1260		µg/L	**200 E**	**22**	**3 P8**	**16**	**22 J**	**130 P**	U	U	**5.4**	**210**	U
	Total PCBs			600	76	100	49	77	370	88	0.62	8.0	500	ND
	INORGANICS													
7429-90-5	Aluminum	NS	µg/L	85.4 B	3380	4920	23300		4500	11200	89 B	U	357 B	1,180 CF6
7440-36-0	Antimony	3	µg/L	U	U	**3.7 B**	**9.2 B**		U	**4.8 B**	U	U	**7.8 J**	U
7440-38-2	Arsenic	25	µg/L	4.9 B	13.3	**33.7**	**96.1**		12.6	**27.7**	U	5.4 B	11.3	6.8 J
7440-39-3	Barium	1,000	µg/L	179 B	292	441	519		190 B	238	190	169	69	85.2
7440-41-7	Beryllium	3 (G)	µg/L	0.13 B	0.17 B	0.2 B	1 B		U	0.37 B	U	U	U	U
7440-43-9	Cadmium	5	µg/L	U	U	0.3 B	4.3 B		U	1.1 B	U	U	U	0.4 J
7440-70-2	Calcium	NS	µg/L	75800	87000	308000	297000		61300	158000	84900	67500	36000 B	38,100
7440-47-8	Chromium	50	µg/L	1.7 B, E	7.4 B	13	**87.9**		21.7	**139**	U	1.5 B	10.7	31.9 CF6
7440-48-4	Cobalt	NS	µg/L	U	U	2.3 B	17.1 B		U	6.2 B	U	U	0.7 J	0.9 J
7440-50-8	Copper	200	µg/L	2.3 B	21.1 B	66.4	**318**		53	189	U	1.5 B	17.3	85.3 CF6
7439-89-6	Iron	300	µg/L	**6050**	**16600**	**36200**	**73300**		**15200**	**29800**	**8990**	**6210**	**1790**	**4,040**
7439-92-1	Lead	25	µg/L	2.6 B, N	19.9	**33.2**	**148**		**35.8**	**65.1**	U	U	5	21.8 CF6
7439-95-4	Magnesium	35,000 (G)	µg/L	14100	14800	16500	23800		16500	13900	19900	153000	5230	10,400
7439-96-5	Manganese	300	µg/L	**824**	**1660**	**2370**	**2260**		**971**	**929 E**	**917**	**1060**	222	**386**
7439-97-6	Mercury	0.7	µg/L	U	U	U	U		U	0.086 B	U	U	U	U
7440-02-0	Nickel	100	µg/L	2 B	14.1 B	35.7 B	**310**		33.7 B	**118**	U	2.9 B	5.9 J	20.2 CF6
7440-09-7	Potassium	NS	µg/L	24900	19500	24400	24000		25300	21900	19000	18800	28400	20,400
7782-49-2	Selenium	10	µg/L	U	U	U	9.5		U	U	U	U	U	U
7440-22-4	Silver	50	µg/L	U	U	U	U		U	1.6 B	1 B	U	U	U
7440-23-5	Sodium	20,000	µg/L	**99700 E**	**103000**	**108000**	**91800**		**88800**	**60400**	**67100**	**78300**	**61400**	**51,200**
7440-28-0	Thallium	0.5 (G)	µg/L	U	U	U	U		U	U	U	U	U	U
7440-62-2	Vanadium	NS	µg/L	U	10.3 B	43.4 B	76.3		12.4 B	42.2 B	U	U	5.1	3.9 J
7440-66-6	Zinc	2,000 (G)	µg/L	13.6 B	133	270	1200		126	399	U	3.9 B	36.9	63.1 CF6
57-12-5	Cyanide	200	µg/L	U	U	5.5 B	U		15.3	6.5 B	U	U	U	8.6 J
	Total Inorganics			221,666	246,451	501,338	538,256	NA	213,072	297,368	201,087	325,054	133,569	126,034

Notes:

NYSDEC June 1998 Ambient Water Quality Standards and Guidance Values for Groundwate

Bold and shaded values exceed the NYSDEC Class GA groundwater standard/guidance value.

ND = Not Detected

NS = No Standard

(G) = Guidance Value

U = Indicates compound was analyzed for, but not detected at or above the reporting limit.

J = Result is less than the Reporting Limit but greater than or equal to the Method Detection L

B = Compound was found in the blank and sample.

Appendix B-3
Sump S-1
Historically Detected Compounds

Cherry Farm Sump Samples Historically Detected Compounds		NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample Source: SDG: Matrix: Sampled:	S-1 480-2227-1 TA 480-2185 Water 3/4/2011	S-1 480-14339-1 TA 480-14339 Water 12/21/2011	S-1 480-23637-1 TA 480-23637 water 8/8/2012	S-1 480-38452-3 TA 480-38452 water 5/16/2013
CAS NO.	COMPOUND		UNITS:				
	VOLATILES						
67-64-1	Acetone	50 (G)	µg/L	U	U	4.1 J	U
71-43-2	Benzene	0.7	µg/L	U	0.44 J	0.41 J	U
78-93-3	2-Butanone	50	µg/L	U	U	U	U
75-15-0	Carbon disulfide	60 (G)	µg/L	U	U	U	U
108-90-7	Chlorobenzene	5	µg/L	**6.0**	**10**	U	U
75-00-3	Chloroethane	5	µg/L	1.1	U	0.69 J	U
74-87-3	Chloromethane	5	µg/L	U	U	U	U
75-34-3	1,1-Dichloroethane	5	µg/L	0.44 J	U	U	U
156-59-2	cis-1,2-Dichloroethene	5	µg/L	U	U	U	U
540-59-0	1,2-Dichloroethene (total)	5	µg/L	U	U	U	U
108-10-1	4-Methyl-2-pentanone	NS	µg/L	U	U	U	U
75-09-2	Methylene chloride	5	µg/L	U	U	U	U
127-18-4	Tetrachloroethene	5	µg/L	U	U	0.49 J	U
108-88-3	Toluene	5	µg/L	U	U	U	U
79-01-6	Trichloroethene	5	µg/L	U	U	U	U
75-01-4	Vinyl chloride	3	µg/L	U	U	U	U
1330-20-7	Xylene (total)	5	µg/L	U	U	U	U
	Total VOCs			7.54	10.44	5.69	ND
	SEMIVOLATILES						
83-32-9	Acenaphthene	20 (G)	µg/L	2.5 J	2.0 J	U	U
120-12-7	Anthracene	50(G)	µg/L	U	U	0.64 J	U
56-55-3	Benzo[a]anthracene	20 (G)	µg/L	U	U	0.74 J	U
50-32-8	Benzo[a]pyrene	ND	µg/L	U	U	0.77 J	U
205-99-2	Benzo[b]fluoranthene	0.002 (G)	µg/L	U	U	**1.1 J**	U
191-24-2	Benzo[g,h,i]perylene	NS	µg/L	U	U	0.65 J	U
207-08-9	Benzo[k]fluoranthene	0.002 (G)	µg/L	U	U	U	U
117-81-7	bis(2-Ethylhexyl)phthalate	5	µg/L	2.9 J	U	**6.3**	U
86-74-8	Carbazole	NS	µg/L	2.3 J	3.6 J	0.96 J	U
218-01-9	Chrysene	0.002 (G)	µg/L	U	U	**0.73 J**	U
84-74-2	Di-n-butyl phthalate	50	µg/L	1.3 J	U	0.80 J	U
53-70-3	Dibenz[a,h]anthracene	NS	µg/L	U	U	U	U
132-64-9	Dibenzofuran	NS	µg/L	0.92 J	1.0 J	U	U
541-73-1	1,3-Dichlorobenzene	3	µg/L	0.82 J	0.89 J	U	U
106-46-7	1,4-Dichlorobenzene	3	µg/L	1.5 J	1.9 J	U	U
120-83-2	2,4-Dichlorophenol	1	µg/L	U	U	U	U
84-66-2	Diethyl phthalate	50 (G)	µg/L	U	U	U	U
105-67-9	2,4-Dimethylphenol	1	µg/L	**9.4**	**4.7 J**	**65**	**1.3 J**
131-11-3	Dimethyl phthalate	50 (G)	µg/L	U	8.3	U	U
206-44-0	Fluoranthene	50 (G)	µg/L	U	U	1.4 J	U
86-73-7	Fluorene	50 (G)	µg/L	1.6 J	1.2 J	0.77 J	U
193-39-5	Indeno[1,2,3-cd]pyrene	0.002 (G)	µg/L	U	U	**0.54 J**	U
91-57-6	2-Methylnaphthalene	NS	µg/L	U	U	0.72 J	U
95-48-7	2-Methylphenol	1	µg/L	0.54 J	U	U	U
106-44-5	4-Methylphenol	1	µg/L	U	U	U	0.47 J
91-20-3	Naphthalene	10 (G)	µg/L	1.1 J	1.8 J	U	U
100-02-7	4-Nitrophenol	1	µg/L	U	U	U	U
85-01-8	Phenanthrene	50 (G)	µg/L	U	U	0.75 J	U
108-95-2	Phenol	1	µg/L	U	U	U	U
129-00-0	Pyrene	50 (G)	µg/L	U	0.48 J	1.9 J	U
120-82-1	1,2,4-Trichlorobenzene	5	µg/L	U	U	U	U
	Total SVOCs			24.88	25.87	83.77	1.77
	PESTICIDES						
309-00-2	Aldrin	ND	µg/L	U	U	U	U
319-84-6	alpha-BHC	0.01	µg/L	U	U	U	**0.023 J**
319-86-8	delta-BHC	0.04	µg/L	U	U	U	U
58-89-9	gamma-BHC (Lindane)	0.05	µg/L	U	U	U	U
5103-71-9	alpha-Chlordane	0.05	µg/L	U	U	U	U
5103-74-2	gamma-Chlordane	0.05	µg/L	U	U	U	0.010 J
72-54-8	4,4'-DDD	0.3	µg/L	U	U	U	**0.45 J**
72-55-9	4,4'-DDE	0.2	µg/L	U	U	U	0.17 B
50-29-3	4,4'-DDT	0.2	µg/L	U	U	U	U
60-57-1	Dieldrin	0.004	µg/L	U	U	U	**0.019 J**
959-98-8	Endosulfan I	NS	µg/L	U	U	U	U
33213-65-9	Endosulfan II	NS	µg/L	U	U	U	U
1031-07-8	Endosulfan sulfate	NS	µg/L	U	U	U	U
72-20-8	Endrin	ND	µg/L	U	U	U	U
7421-93-4	Endrin aldehyde	5	µg/L	U	U	U	U
53494-70-5	Endrin ketone	5	µg/L	U	U	U	U
76-44-8	Heptachlor	0.04	µg/L	U	U	U	0.030 J
1024-57-3	Heptachlor epoxide	0.03	µg/L	U	U	U	0.018 J
72-43-5	Methoxychlor	35	µg/L	U	U	U	U
	Total Pesticides			ND	ND	ND	0.72
	PCBs						
53469-21-9	Aroclor-1242	Sum of all PCBs	µg/L	**0.26 J**	**0.42 J**	U	U
12672-29-6	Aroclor-1248	< 0.09	µg/L	U	U	**8.3**	U
11096-82-5	Aroclor-1260		µg/L	U	U	**5.7**	U
	Total PCBs			0.26	0.42	14	ND
	INORGANICS						
7429-90-5	Aluminum	NS	µg/L	U	U	630	460
7440-36-0	Antimony	3	µg/L	U	U	U	U
7440-38-2	Arsenic	25	µg/L	U	U	U	6.1 J
7440-39-3	Barium	1,000	µg/L	140	130	160 B	30
7440-41-7	Beryllium	3 (G)	µg/L	U	U	U	U
7440-43-9	Cadmium	5	µg/L	U	0.46 J	U	U
7440-70-2	Calcium	NS	µg/L	81,800 B	86,200 B	58,800	111,000
7440-47-8	Chromium	50	µg/L	2.8 J	1.2 J	2.1 J	U
7440-48-4	Cobalt	NS	µg/L	U	U	U	U
7440-50-8	Copper	200	µg/L	2.7 J	2.1 J	6.7 J	U
7439-89-6	Iron	300	µg/L	7,100	**7,200**	**4,800**	130
7439-92-1	Lead	25	µg/L	U	U	U	U
7439-95-4	Magnesium	35,000 (G)	µg/L	22,300	22,100	12,800	900
7439-96-5	Manganese	300	µg/L	**710**	**640**	**720**	49 B
7439-97-6	Mercury	0.7	µg/L	U	U	U	U
7440-02-0	Nickel	100	µg/L	U	2.6 J	3 J	1.3 J
7440-09-7	Potassium	NS	µg/L	15,900	14,000	17,600	59,100
7782-49-2	Selenium	10	µg/L	U	U	U	U
7440-22-4	Silver	50	µg/L	U	U	U	U
7440-23-5	Sodium	20,000	µg/L	**49,800**	**37,700**	**69,600**	**57,000**
7440-28-0	Thallium	0.5 (G)	µg/L	U	U	U	U
7440-62-2	Vanadium	NS	µg/L	U	U	2.2 J	11
7440-66-6	Zinc	2,000 (G)	µg/L	1.8 J	9.9 J	8.2 J	U
57-12-5	Cyanide	200	µg/L	U	U	7.4 J	26
	Total Inorganics			177,757	167,986	165,140	228,713

Notes:
NYSDEC June 1998 Ambient Water Quality Standards and Guidance Values for Groundwate
Bold and shaded values exceed the NYSDEC Class GA groundwater standard/guidance value.
ND = Not Detected
NS = No Standard
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B = Compound was found in the blank and sample.

Appendix B-3
Sump S-2
Historically Detected Compounds

Cherry Farm Sump Samples Historically Detected Compounds		NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample Source: SDG: Matrix: Sampled:	S-2 G5094 OBG 5116 Water 11/20/1997	S-2 H0919 OBG 6847 Water 2/19/1998	S-2 H7397 OBG 7810 Water 5/28/1998	S-2 J8486 OBG 9595 Water 10/22/1998	S-2 M0296 OBG 1516 Water 4/21/1999	S-2 N5019 OBG 3880 Water 11/10/1999	S-2 Q3854 OBG 5490 Water 4/27/2000	S-2 R7177 OBG 7645 Water 12/14/2000	S-2 S7283 OBG 9259 Water 6/19/2001	S-2 T6915 OBG 739 Water 12/12/2001
CAS NO.	COMPOUND		UNITS:										
	VOLATILES												
67-64-1	Acetone	50 (G)	µg/L	U	U	U	9 J, B	U	U	U	3 J	7 J	U
71-43-2	Benzene	0.7	µg/L	U	U	U	1 J	U	U	U	U	U	U
75-15-0	Carbon disulfide	60 (G)	µg/L	U	U	U	U	38	1 J	U	U	U	U
108-90-7	Chlorobenzene	5	µg/L	U	U	U	U	U	U	U	U	U	U
75-00-3	Chloroethane	5	µg/L	U	U	U	U	U	U	U	U	U	U
75-34-3	1,1-Dichloroethane	5	µg/L	2 J	2 J	U	2 J	2 J	U	U	U	U	2 J
156-59-2	cis-1,2-Dichloroethene	5	µg/L	U	U	U	1 J	**6 J**	U	U	U	U	U
540-59-0	1,2-Dichloroethene (total	5	µg/L	**6 J**	2 J	U	2 J	**6 J**	**9 J**	U	3 J	U	U
100-41-4	Ethylbenzene	5	µg/L	U	2 J	U	1 J	U	U	U	U	U	U
108-10-1	4-Methyl-2-pentanone	NS	µg/L	U	U	U	U	U	U	U	U	U	U
75-09-2	Methylene chloride	5	µg/L	U	U	1	U	U	U	U	U	U	1 J, B
127-18-4	Tetrachloroethene	5	µg/L	U	1 J	U	1 J	U	U	U	U	U	U
108-88-3	Toluene	5	µg/L	1 J	**11**	U	3 J	U	U	U	U	U	U
79-01-6	Trichloroethene	5	µg/L	U	U	U	U	1 J	2 J	U	U	U	U
75-01-4	Vinyl Chloride	3	µg/L	U	U	U	U	U	U	U	U	U	U
1330-20-7	Xylene (total)	5	µg/L	2 J	**15**	U	**9 J**	3 J	U	U	U	U	U
	Total VOCs			11	33	1	29	56	12	ND	6	7	3
	SEMIVOLATILES												
83-32-9	Acenaphthene	20 (G)	µg/L	U	U	U	2 J	1 J	1 J	U	U	U	U
208-96-8	Acenaphthylene	NS	µg/L	U	U	U	3 J	1 J	1 J	U	U	U	U
120-12-7	Anthracene	50(G)	µg/L	U	U	U	U	U	U	1 J	U	U	U
56-55-3	Benzo[a]anthracene	20 (G)	µg/L	U	U	U	U	U	U	U	U	U	U
50-32-8	Benzo[a]pyrene	ND	µg/L	U	U	U	U	U	U	U	U	U	U
205-99-2	Benzo[b]fluoranthene	0.002 (G)	µg/L	U	U	U	U	U	U	U	U	U	U
191-24-2	Benzo[g,h,i]perylene	NS	µg/L	U	U	U	U	U	U	U	U	U	U
207-08-9	Benzo[k]fluoranthene	0.002 (G)	µg/L	U	U	U	U	U	U	U	U	U	U
117-81-7	bis(2-Ethylhexyl)phthalat	5	µg/L	U	U	U	U	U	U	U	U	2 J	1 J, B
86-74-8	Carbazole	NS	µg/L	U	U	U	3 J	U	U	U	U	U	U
218-01-9	Chrysene	0.002 (G)	µg/L	U	U	U	U	U	U	U	U	U	U
84-74-2	Di-n-butyl phthalate	50	µg/L	U	U	U	U	U	U	U	U	U	U
117-84-0	Di-n-octyl-phthalate	50 (G)	µg/L	U	U	U	U	U	U	U	U	U	U
132-64-9	Dibenzofuran	NS	µg/L	U	U	U	U	U	U	U	U	U	U
106-46-7	1,4-Dichlorobenzene	3	µg/L	U	U	U	U	U	U	1 J	U	U	U
84-66-2	Diethyl phthalate	50 (G)	µg/L	U	U	U	U	U	U	U	U	U	U
105-67-9	2,4-Dimethylphenol	1	µg/L	**45**	**38**	**18**	**39**	**6 J**	**8 J**	U	U	U	1 J
131-11-3	Dimethyl phthalate	50 (G)	µg/L	U	U	U	U	U	U	U	U	U	U
206-44-0	Fluoranthene	50 (G)	µg/L	U	U	U	U	U	U	U	U	U	U
86-73-7	Fluorene	50 (G)	µg/L	U	U	U	1 J	1 J	1 J	U	U	U	U
193-39-5	Indeno[1,2,3-cd]pyrene	0.002 (G)	µg/L	U	U	U	U	U	U	U	U	U	U
91-57-6	2-Methylnaphthalene	NS	µg/L	U	2	U	3	U	U	U	U	U	U
95-48-7	2-Methylphenol	1	µg/L	**15**	**13**	**5 J**	**9 J**	U	**2 J**	U	U	U	U
106-44-5	4-Methylphenol	1	µg/L	**29**	**37**	**15**	**15**	U	**4 J**	U	U	U	U
91-20-3	Naphthalene	10 (G)	µg/L	1 J	5 J	3 J	**46**	U	U	U	U	U	U
99-09-2	3-Nitroaniline	5	µg/L	U	U	U		U	U	U	U	U	U
100-02-7	4-Nitrophenol	1	µg/L	U	U	U	U	U	U	U	U	U	U
85-01-8	Phenanthrene	50 (G)	µg/L	U	U	U	1 J	U	1 J	U	U	U	U
108-95-2	Phenol	1	µg/L	**3**	**10**	**2**	1	U	U	U	U	U	U
129-00-0	Pyrene	50 (G)	µg/L	U	U	U	U	U	U	U	U	U	U
95-95-4	2,4,5-Trichlorophenol	1	µg/L	U	U	U	U	U	U	U	U	U	U
	Total SVOCs			93	105	43	123	9	18	2	ND	2	2
	PESTICIDES												
309-00-2	Aldrin	ND	µg/L	U	0.0012 J, P	U	U	U	U	0.036 J, P	0.0013 J, P	U	U
319-84-6	alpha-BHC	0.01	µg/L	U	U	0.0015 J, P	U	0.00081 J, P, B	U	0.0062 J, P	U	U	U
319-85-7	beta-BHC	0.04	µg/L	U	U	0.019 J	U	U	U	U	U	U	0.0074 J, P
319-86-8	delta-BHC	0.04	µg/L	U	U	U	0.0027 J, P	U	U	U	U	U	U
58-89-9	gamma-BHC (Lindane)	0.05	µg/L	U	0.0074 J, P	U	U	U	U	U	U	U	U
5103-71-9	alpha-Chlordane	0.05	µg/L	U	U	U	U	0.0016 J, P	0.0017 J, P	0.0022 J, P	U	U	U
5103-74-2	gamma-Chlordane	0.05	µg/L	0.0037 J, P	U	0.0092 J, P	0.0014 J, P	0.0018 J, P	U	U	0.0096 J, P	U	U
72-54-8	4,4'-DDD	0.3	µg/L	U	U	U	U	U	U	0.007 J, P	U	U	U
72-55-9	4,4'-DDE	0.2	µg/L	U	U	U	U	0.0024 J, P	U	U	0.00079 J, P	U	0.0027 J
50-29-3	4,4'-DDT	0.2	µg/L	U	U	U	U	0.00079 J, P, B	U	U	0.0082 J, P	U	U
60-57-1	Dieldrin	0.004	µg/L	U	U	U	U	U	U	**0.088 J, P**	U	**0.018 J, P**	**0.014 J, P**
959-98-8	Endosulfan I	NS	µg/L	U	U	U	U	U	0.0033 J, P, B	U	U	U	0.018 J
33213-65-9	Endosulfan II	NS	µg/L	U	0.0065 J	0.0029 J, P	0.0021 J, P	0.0018 J, P	0.0011 J, P	U	0.004 J, P	U	U
1031-07-8	Endosulfan sulfate	NS	µg/L	U	0.0018 J, P	U	0.0046 J, P, B	0.0025 J, P, B	0.002 J, P	U	0.0036 J, P	U	U
72-20-8	Endrin	ND	µg/L	U	U	0.011 J, P	U	0.0029 J, P	U	0.041 J, P	0.0041 J, P	0.022 J, P	U
7421-93-4	Endrin aldehyde	5	µg/L	U	U	U	0.0065 J	0.0017 J, P	U	U	0.0065 J, P	U	0.0087 J, P, B
53494-70-5	Endrin ketone	5	µg/L	U	U	U	0.00068 J	0.00041 J, P	U	0.0037 J, P	U	U	0.0097 J, P
76-44-8	Heptachlor	0.04	µg/L	U	U	U	U	U	0.0025 J, P	U	U	U	U
1024-57-3	Heptachlor epoxide	0.03	µg/L	U	U	U	0.00059 J, P	U	U	0.0039 J, P, B	0.00055 J, P	U	0.0038 J, P
72-43-5	Methoxychlor	35	µg/L	U	U	U	U	U	U	U	U	U	U
	Total Pesticides			0.0037	0.0169	0.0436	0.0186	0.0167	0.0106	0.1880	0.0386	0.0400	0.0643
	PCBs												
53469-21-9	Aroclor-1242	Sum of all PCBs	µg/L	U	U	**0.41 J, P**	**0.48 J, P**	**0.47 J, P**	U	U	U	U	U
12672-29-6	Aroclor-1248	< 0.09	µg/L	U	U	U	U	U	U	U	U	U	U
11096-82-5	Aroclor-1260		µg/L	U	U	U	U	U	U	U	U	U	U
	Total PCBs			ND	ND	**0.41**	**0.48**	**0.47**	ND	ND	ND	ND	ND
	INORGANICS												
7429-90-5	Aluminum	NS	µg/L	341	302	383	142 B	211	281	44.7	180 B, E	85.6 B	309
7440-36-0	Antimony	3	µg/L	2.6 B	3 B	**3.6 B**	**7 B**	**4.7 B**	**3.4 B**	U	**3.7 B**	3 B	**3.1**
7440-38-2	Arsenic	25	µg/L	6.2 B	U	7.4 B	6.7 B	3.8 B	3.5 B	U	4 B	U	5
7440-39-3	Barium	1,000	µg/L	63.4 B	37.3 B	43.2 B	76.9 B	71.6 B	68.2 B	210	114 B	44.7 B	48.4
7440-41-7	Beryllium	3 (G)	µg/L	U	U	U	U	0.14 B	0.06 B	U	0.3 B	U	0.1
7440-43-9	Cadmium	5	µg/L	U	U	U	U	U	U	U	U	U	0.37
7440-70-2	Calcium	NS	µg/L	117000	93700	98600	171000	156000	135000	70400	147000	109000	135000
7440-47-8	Chromium	50	µg/L	U	U	U	U	U	5 B, E	4 B	U	U	1.4
7440-48-4	Cobalt	NS	µg/L	U	U	U	U	U	U	U	U	U	1.1
7440-50-8	Copper	200	µg/L	2 B	1.7 B		2.1 B	0.96 B	1.2 B	1.3 B	4.1 B	0.7 B	0.88
7439-89-6	Iron	300	µg/L	61.4 B	170	99.1 B	47.9 B	46.7 B	134	**2640**	**491**	92.8 B	52.1
7439-92-1	Lead	25	µg/L	U	U	U	U	U	U	1.2 B	1.7 B	U	1.5
7439-95-4	Magnesium	35,000 (G)	µg/L	676 B	4130 B	671 B	18.9 B	U	34.7 B	14300	544 B	469 B	80.7
7439-96-5	Manganese	300	µg/L	0.4 B	3.2 B	0.62 B	U	U	1.6 B	**1140**	69.5	7.2 B	1.8
7439-97-6	Mercury	0.7	µg/L	U	U	U	U	U	U	U	U	U	0.15
7440-02-0	Nickel	100	µg/L	2.5 B	U	1.4 B	1.4 B	2.3 B	6.7 B, E	4 B	2.1 B	1.8 B	3.7
7440-09-7	Potassium	NS	µg/L	43700	29900	33900	36200	45600	43500	20800	42100 E	47200	49400
7782-49-2	Selenium	10	µg/L	8.3	U	U	U	U	3.4 B	U	**10.4**	3.4 B	4.5
7440-22-4	Silver	50	µg/L	0.65 B	U	U	U	U	U	U	U	U	1
7440-23-5	Sodium	20,000	µg/L	**47000**	**31000**	**40200**	**33300**	**43700**	**45900 E**	**114000**	**48100**	**68100**	**64100**
7440-62-2	Vanadium	NS	µg/L	21.2 B	10.1 B	11.3 B	8.1 B	13.9 B	34.9 B, E	1.1 B	55.6	19 B	24.8 B
7440-66-6	Zinc	2,000 (G)	µg/L	2.8 B	3.6 B	10.6 B	7.7 B	4.3 B	3.6 B	4 B	1.8 B	3.5 B	2 B
57-12-5	Cyanide	200	µg/L	48.3	U	12.9	80	52.3	27.1	U	39.7	50.3	40.5
	Total Inorganics			208,937	159,261	173,949	240,899	245,712	225,008	223,550	238,722	225,081	249,078

Notes:

NYSDEC June 1998 Ambient Water Quality Standards and Guidance Values for Groundwater Class GA.

Bold and shaded values exceed the NYSDEC Class GA groundwater standard/guidance value.

ND = Not Detected

NS = No Standard

(G) = Guidance Value

U = Indicates compound was analyzed for, but not detected at or above the reporting limit.

J = Result is less than the Reporting Limit but greater than or equal to the Method Detection Limit and the concentration is an approximate value.

B = Compound was found in the blank and sample.

Appendix B-3
Sump S-2
Historically Detected Compounds

Cherry Farm Sump Samples Historically Detected Compounds		NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample Source: SDG: Matrix: Sampled:	S-2 V4633 OB 2494 Water 6/19/2002	S-2 Z7442 OB 4203 Water 12/17/2002	S-2 A7430 OB 5716 Water 6/24/2003	S-2 B4251 OB 6968 Water 12/15/2003	S-2 E1137 OB 6968 Water 6/8/2004	S-2 0508015-007A OB 200508 Water 8/2/2005	S-2 0603095-003A LSL-BL 6030950 Water 3/21/2006	S-2 A7E985012 TA A07-E985 Water 12/27/2007	S-2 A8E30606 TA A08-E150 Water 11/10/2008	S-2 RSI0312-02 TA RSI0296 Water 9/9/2009	S-2 RTF0860-03 TA RTF0798 Water 6/11/2010
CAS NO.	COMPOUND		UNITS:											
	VOLATILES													
67-64-1	Acetone	50 (G)	µg/L	U	3 J, B	U	U	2 J, B	13 B	5 J, B	U	U	U	U
71-43-2	Benzene	0.7	µg/L	U	U	U	U	U	U	U	U	U	0.49 J	U
75-15-0	Carbon disulfide	60 (G)	µg/L	U	U	U	U	U	U	U	U	U	U	U
108-90-7	Chlorobenzene	5	µg/L	U	U	U	U	U	U	U	3 J	U	U	U
75-00-3	Chloroethane	5	µg/L	U	U	U	U	U	U	U	U	U	U	U
75-34-3	1,1-Dichloroethane	5	µg/L	2 J	1 J	1 J	2 J	2 J	1 J	2 J	U	U	2.2	2.6 DO3, J
156-59-2	cis-1,2-Dichloroethene	5	µg/L	U	U	U	U	U	U	U	U	U	U	U
540-59-0	1,2-Dichloroethene (total	5	µg/L	U	U	U	U	U	U	U	U	U	U	U
100-41-4	Ethylbenzene	5	µg/L	U	U	U	U	U	U	U	U	U	U	U
108-10-1	4-Methyl-2-pentanone	NS	µg/L	U	U	U	U	1 J	U	U	U	U	U	U
75-09-2	Methylene chloride	5	µg/L	U	0.8 J, B	U	U	0.8 J, B	0.9 J, B	1 J, B	U	U	U	U
127-18-4	Tetrachloroethene	5	µg/L	U	U	U	U	U	U	U	U	U	U	U
108-88-3	Toluene	5	µg/L	U	U	U	U	0.6 J	U	U	U	U	0.68 J	U
79-01-6	Trichloroethene	5	µg/L	U	U	U	U	U	U	U	U	U	U	U
75-01-4	Vinyl Chloride	3	µg/L	U	U	U	U	U	U	U	U	U	U	U
1330-20-7	Xylene (total)	5	µg/L	3 J	U	1 J	U	1 J	U	U	U	U	1.8 J	U
	Total VOCs			5	4.8	2	2	7.4	14.9	8	3	ND	5.17	2.6
	SEMIVOLATILES													
83-32-9	Acenaphthene	20 (G)	µg/L	U	U	U	U	U	U	U	0.3 J	0.6 J	U	0.59 J
208-96-8	Acenaphthylene	NS	µg/L	U	U	U	U	U	U	U	U	0.4 J	U	U
120-12-7	Anthracene	50(G)	µg/L	U	U	U	U	U	U	U	U	U	U	U
56-55-3	Benzo[a]anthracene	20 (G)	µg/L	U	U	U	U	U	3 J	U	U	U	U	U
50-32-8	Benzo[a]pyrene	ND	µg/L	U	U	U	U	U	3 J	U	U	U	U	U
205-99-2	Benzo[b]fluoranthene	0.002 (G)	µg/L	U	U	U	U	U	**6 J**	U	U	0.3 J	U	U
191-24-2	Benzo[g,h,i]perylene	NS	µg/L	U	U	U	U	U	U	U	U	0.2 J, B	U	U
207-08-9	Benzo[k]fluoranthene	0.002 (G)	µg/L	U	U	U	U	U	**2 J**	U	U	U	U	U
117-81-7	bis(2-Ethylhexyl)phthala	5	µg/L	U	4 J	U	1 J	U	**10 J**	U	U	U	U	U
86-74-8	Carbazole	NS	µg/L	U	U	U	U	U	U	U	U	0.5 J	U	U
218-01-9	Chrysene	0.002 (G)	µg/L	U	U	U	U	U	**2 J**	U	U	U	U	U
84-74-2	Di-n-butyl phthalate	50	µg/L	U	U	U	U	U	U	1 J	0.4 J, B	0.6 J, B	U	U
117-84-0	Di-n-octyl-phthalate	50 (G)	µg/L	U	U	U	U	U	U	U	U	U	U	U
132-64-9	Dibenzofuran	NS	µg/L	U	U	U	U	U	U	U	U	0.3 J	U	U
106-46-7	1,4-Dichlorobenzene	3	µg/L	U	U	U	U	U	U	U	U	U	U	U
84-66-2	Diethyl phthalate	50 (G)	µg/L	U	U	U	U	U	20	U	U	0.5 J, B	U	U
105-67-9	2,4-Dimethylphenol	1	µg/L	**16**	U	**6 J**	**2 J**	**7 J**	**4 J**	**7 J**	U	U	**15**	U
131-11-3	Dimethyl phthalate	50 (G)	µg/L	U	U	U	U	U	3.8 J	U	U	U	U	U
206-44-0	Fluoranthene	50 (G)	µg/L	U	U	U	U	U	4 J	U	0.3 J	0.4 J, B	U	U
86-73-7	Fluorene	50 (G)	µg/L	U	U	U	U	U	U	U	0.2 J	0.6 J	U	U
193-39-5	Indeno[1,2,3-cd]pyrene	0.002 (G)	µg/L	U	U	U	U	U	**1 J**	U	U	0.2 J, B	U	U
91-57-6	2-Methylnaphthalene	NS	µg/L	U	U	U	U	U	U	U	0.6 J	U	U	U
95-48-7	2-Methylphenol	1	µg/L	**3 J**	U	1 J	U	U	U	1 J	0.2 J	U	**4.6 J**	U
106-44-5	4-Methylphenol	1	µg/L	**5 J**	U	4 J	U	**3 J**	U	3 J	U	U	**10**	U
91-20-3	Naphthalene	10 (G)	µg/L	3 J	U	U	U	U	U	1 J	2 J	0.9 J, B	2.2 J	U
99-09-2	3-Nitroaniline	5	µg/L	U	U	U	U	U	U	U	U	U	U	0.53 J
100-02-7	4-Nitrophenol	1	µg/L	U	U	U	U	1 J	U	U	U	U	U	U
85-01-8	Phenanthrene	50 (G)	µg/L	U	U	U	U	U	U	U	0.3 J	0.7 J, B	U	0.69 J
108-95-2	Phenol	1	µg/L	U	U	U	U	U	U	U	U	U	U	U
129-00-0	Pyrene	50 (G)	µg/L	U	U	U	U	U	6 J	U	0.2 J	0.3 J	U	U
95-95-4	2,4,5-Trichlorophenol	1	µg/L	U	U	U	U	U	U	U	U	U	U	0.89 J
	Total SVOCs			27	4	11	3	11	64.8	13	4.5	6.5	31.8	2.7
	PESTICIDES													
309-00-2	Aldrin	ND	µg/L	0.046 J	U	U	U	U	U	U	U	U	U	U
319-84-6	alpha-BHC	0.01	µg/L	U	U	0.0032 J, P	U	U	U	U	U	U	U	0.013 QSU, J
319-85-7	beta-BHC	0.04	µg/L	0.0047 J, P	U	U	U	U	U	0.0026 J, P	U	U	U	U
319-86-8	delta-BHC	0.04	µg/L	U	U	U	U	U	U	0.018 J, P, B	U	U	U	U
58-89-9	gamma-BHC (Lindane)	0.05	µg/L	U	U	U	U	**0.066 P**	0.003 J, P	0.00066 J, P	0.03 J	0.033 J	U	0.011 QSU, J
5103-71-9	alpha-Chlordane	0.05	µg/L	U	U	U	U	U	U	U	U	U	U	U
5103-74-2	gamma-Chlordane	0.05	µg/L	U	U	U	U	U	0.038 J, P	U	0.012 J	U	U	U
72-54-8	4,4'-DDD	0.3	µg/L	U	U	U	U	U	U	U	U	U	U	U
72-55-9	4,4'-DDE	0.2	µg/L	U	U	U	U	U	0.074 J	U	U	U	0.024 J	U
50-29-3	4,4'-DDT	0.2	µg/L	0.0018 J, P	U	U	U	U	U	U	U	0.036 J	U	U
60-57-1	Dieldrin	0.004	µg/L	U	U	**0.0045 J, P**	U	U	U	U	**0.023 J**	U	U	U
959-98-8	Endosulfan I	NS	µg/L	0.0038 J, P	0.026 J	0.015 J	U	0.012 J	0.039 J, P	0.015 J	0.005 J	0.063	U	U
33213-65-9	Endosulfan II	NS	µg/L	U	U	U	U	U	U	U	U	U	U	U
1031-07-8	Endosulfan sulfate	NS	µg/L	U	U	U	U	U	0.022 J, P	U	U	U	U	U
72-20-8	Endrin	ND	µg/L	U	U	U	U	U	0.027 J, P	U	U	U	U	U
7421-93-4	Endrin aldehyde	5	µg/L	U	U	0.0088 J, P, B	U	U	U	0.0015 J, P	U	U	U	U
53494-70-5	Endrin ketone	5	µg/L	U	U	U	U	U	U	U	U	U	U	U
76-44-8	Heptachlor	0.04	µg/L	U	U	U	U	U	U	U	0.023 J	0.032 J	U	0.011 QSU, J
1024-57-3	Heptachlor epoxide	0.03	µg/L	U	U	0.0063 J, P	U	U	U	U	U	U	U	U
72-43-5	Methoxychlor	35	µg/L	U	U	U	U	U	1.3 P	U	U	U	U	U
	Total Pesticides			0.0563	0.0260	0.0378	ND	0.0780	1.5030	0.0378	0.0880	0.1640	0.0240	0.0350
	PCBs													
53469-21-9	Aroclor-1242	Sum of all PCBs	µg/L	U	U	U	U	U	U	U	U	**0.41 J**	U	U
12672-29-6	Aroclor-1248	< 0.09	µg/L	U	U	U	U	U	**4.9**	U	U	U	U	U
11096-82-5	Aroclor-1260		µg/L	U	U	U	U	U	**2**	U	U	U	U	U
	Total PCBs			ND	ND	ND	ND	ND	6.9	ND	ND	0.41	ND	ND
	INORGANICS													
7429-90-5	Aluminum	NS	µg/L	707	221	266	215	119 B	173 B	308	206	U	159 B, J	176 J
7440-36-0	Antimony	3	µg/L	**3.9 B**	2.2 B	2.6 B	**3.5 B**	**4.1 B**	2.5 B	**3.6 B**	U	U	U	U
7440-38-2	Arsenic	25	µg/L	5.7 B	5.7 B	4.7 B	3 B	2.4 B	3.5 B	3.2 B	U	5.4 B	U	U
7440-39-3	Barium	1,000	µg/L	60 B	50.6 B	48.5 B	37.6 B	39.4 B	310	34.8	39	169	35.5	30.8
7440-41-7	Beryllium	3 (G)	µg/L	0.13 B	U	U	U	U	U	U	0.38 B	U	U	U
7440-43-9	Cadmium	5	µg/L	U	U	U	U	U	U	U	U	U	U	U
7440-70-2	Calcium	NS	µg/L	144000	104000	116000	88400	99000	539000	83700	61800	67500	74400 B	72,500
7440-47-8	Chromium	50	µg/L	U	U	U	U	U	6.6 B	U	U	1.5 B	0.9 J	1.3 J
7440-48-4	Cobalt	NS	µg/L	U	U	U	U	U	U	U	U	U	U	U
7440-50-8	Copper	200	µg/L	6.2 B	2.8 B	1.8 B			3.8 B	3.8 B	2.9 B	1.5 B	2.8 J	21.6 CF6
7439-89-6	Iron	300	µg/L	**960**	96.8 B	**438**	34.6 B	42.8 B	**8190**	**705**	42.3 B	6210	78	**470 CF6**
7439-92-1	Lead	25	µg/L	U	U	U	U	0.59 B	U	U	U	U	U	U
7439-95-4	Magnesium	35,000 (G)	µg/L	223 B	135 B	175 B	U	33.5 B	3320 B	70.1 B	77.5 B	15300	U	U
7439-96-5	Manganese	300	µg/L	34.9	3.3 B	27.7	U	2.6 B	**1510**	3.9 B, E	0.45 B	1060	0.6 J	2.8 J
7439-97-6	Mercury	0.7	µg/L	U	U	U	U	0.05 B	0.025 B	0.011 B	U	U	U	U
7440-02-0	Nickel	100	µg/L	U	U	U	1.2 B	1.8 B	55.4	3.1 B	U	2.9 B	1.8 J	U
7440-09-7	Potassium	NS	µg/L	42200	40400	44300	36900	40900	49200	38100	36400	18800	39700	42,300
7782-49-2	Selenium	10	µg/L	3.3 B	4.4 B	6.6	4.4 B	U	U	U	7.7 B	U	U	U
7440-22-4	Silver	50	µg/L	U	U	U	U	U	U	U	1.3 B	U	U	U
7440-23-5	Sodium	20,000	µg/L	**63200 E**	**50900**	**64400**	**50100**	**63400**	**68500**	**57400**	**44900**	**78300**	**56700**	**59,800**
7440-62-2	Vanadium	NS	µg/L	14 B	44.8 B	14.6 B	25.6 B	13.8 B	7.2 B	12.6 B	72.4	U	13.3	11.5
7440-66-6	Zinc	2,000 (G)	µg/L	28.9	3.4 B	5 B	U	3 B	88.7	84.7	U	3.9 B	2.8 J	3.4 J
57-12-5	Cyanide	200	µg/L	16.9	39.4	49	50	46.9	34.6	38.6	0.031	U	U	63.9
	Total Inorganics			251,464	195,909	225,740	175,775	203,610	670,405	180,471	143,550	187,354	171,095	175,381

Notes:
NYSDEC June 1998 Ambient Water Quality Standards and Guidance Values for Grou
Bold and shaded values exceed the NYSDEC Class GA groundwater standard/guidanc
ND = Not Detected
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B = Compound was found in the blank and sample.

Appendix B-3
Sump S-2
Historically Detected Compounds

Cherry Farm Sump Samples Historically Detected Compounds		NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample Source: SDG: Matrix: Sampled:	S-2 480-2227-2 TA 480-2185 Water 3/4/2011	S-2 480-14339-2 TA 480-14339 Water 12/21/2011	S-2 480-23637-2 TA 480-23637 Water 8/8/2012	S-2 480-38452-4 TA 480-38452 Water 5/16/2013
CAS NO.	COMPOUND		UNITS:				
	VOLATILES						
67-64-1	Acetone	50 (G)	µg/L	U	U	4.3 J	U
71-43-2	Benzene	0.7	µg/L	U	U	0.44 J	U
75-15-0	Carbon disulfide	60 (G)	µg/L	U	U	U	U
108-90-7	Chlorobenzene	5	µg/L	U	1.8	U	U
75-00-3	Chloroethane	5	µg/L	U	0.52 J	U	U
75-34-3	1,1-Dichloroethane	5	µg/L	0.69 J	0.40 J	1	1.1
156-59-2	cis-1,2-Dichloroethene	5	µg/L	U	U	U	U
540-59-0	1,2-Dichloroethene (total	5	µg/L	7.1	2.1	U	U
100-41-4	Ethylbenzene	5	µg/L	U	U	U	U
108-10-1	4-Methyl-2-pentanone	NS	µg/L	U	U	U	U
75-09-2	Methylene chloride	5	µg/L	U	U	U	U
127-18-4	Tetrachloroethene	5	µg/L	U	U	0.44 J	U
108-88-3	Toluene	5	µg/L	U	U	U	U
79-01-6	Trichloroethene	5	µg/L	1.2	U	U	U
75-01-4	Vinyl Chloride	3	µg/L	1.1	U	U	U
1330-20-7	Xylene (total)	5	µg/L	U	U	U	U
	Total VOCs			10.09	4.82	6.18	1.1
	SEMIVOLATILES						
83-32-9	Acenaphthene	20 (G)	µg/L	0.71 J	1.1 J	0.73 J	U
208-96-8	Acenaphthylene	NS	µg/L	U	U	U	U
120-12-7	Anthracene	50(G)	µg/L	U	U	0.29 J	U
56-55-3	Benzo[a]anthracene	20 (G)	µg/L	U	U	U	U
50-32-8	Benzo[a]pyrene	ND	µg/L	U	U	U	U
205-99-2	Benzo[b]fluoranthene	0.002 (G)	µg/L	U	U	U	U
191-24-2	Benzo[g,h,i]perylene	NS	µg/L	U	U	U	U
207-08-9	Benzo[k]fluoranthene	0.002 (G)	µg/L	U	U	U	U
117-81-7	bis(2-Ethylhexyl)phthala	5	µg/L	U	U	U	U
86-74-8	Carbazole	NS	µg/L	U	2.2 J	0.91 J	U
218-01-9	Chrysene	0.002 (G)	µg/L	U	U	U	U
84-74-2	Di-n-butyl phthalate	50	µg/L	0.82 J,B	2.3 J	1.3 J	3.3 J
117-84-0	Di-n-octyl-phthalate	50 (G)	µg/L	U	0.53 J	U	U
132-64-9	Dibenzofuran	NS	µg/L	U	U	U	U
106-46-7	1,4-Dichlorobenzene	3	µg/L	U	1.1 J	U	U
84-66-2	Diethyl phthalate	50 (G)	µg/L	U	U	U	U
105-67-9	2,4-Dimethylphenol	1	µg/L	U	**3.7 J**	**21**	**5.8**
131-11-3	Dimethyl phthalate	50 (G)	µg/L	U	48	7.2	36
206-44-0	Fluoranthene	50 (G)	µg/L	U	U	0.39 J	U
86-73-7	Fluorene	50 (G)	µg/L	U	0.42 J	0.58 J	U
193-39-5	Indeno[1,2,3-cd]pyrene	0.002 (G)	µg/L	U	U	U	U
91-57-6	2-Methylnaphthalene	NS	µg/L	U	U	1.6 J	U
95-48-7	2-Methylphenol	1	µg/L	U	U	U	0.86 J
106-44-5	4-Methylphenol	1	µg/L	U	U	**5.5 J**	U
91-20-3	Naphthalene	10 (G)	µg/L	U	U	1.7 J	U
99-09-2	3-Nitroaniline	5	µg/L	U	U	U	U
100-02-7	4-Nitrophenol	1	µg/L	U	U	U	U
85-01-8	Phenanthrene	50 (G)	µg/L	U	U	0.65 J	0.49 J
108-95-2	Phenol	1	µg/L	U	U	U	U
129-00-0	Pyrene	50 (G)	µg/L	U	U	0.48 J	U
95-95-4	2,4,5-Trichlorophenol	1	µg/L	U	U	U	U
	Total SVOCs			1.53	59.35	42.33	46.45
	PESTICIDES						
309-00-2	Aldrin	ND	µg/L	U	U	U	U
319-84-6	alpha-BHC	0.01	µg/L	U	U	U	U
319-85-7	beta-BHC	0.04	µg/L	U	U	U	U
319-86-8	delta-BHC	0.04	µg/L	U	U	U	0.014 J
58-89-9	gamma-BHC (Lindane)	0.05	µg/L	U	U	U	0.015 J
5103-71-9	alpha-Chlordane	0.05	µg/L	U	U	U	U
5103-74-2	gamma-Chlordane	0.05	µg/L	U	U	U	0.013 J
72-54-8	4,4'-DDD	0.3	µg/L	U	U	U	0.12 B
72-55-9	4,4'-DDE	0.2	µg/L	U	U	U	0.021 J
50-29-3	4,4'-DDT	0.2	µg/L	U	U	U	0.023 J
60-57-1	Dieldrin	0.004	µg/L	U	U	U	U
959-98-8	Endosulfan I	NS	µg/L	U	U	U	0.11
33213-65-9	Endosulfan II	NS	µg/L	U	U	U	U
1031-07-8	Endosulfan sulfate	NS	µg/L	U	U	U	U
72-20-8	Endrin	ND	µg/L	U	U	U	U
7421-93-4	Endrin aldehyde	5	µg/L	U	U	U	U
53494-70-5	Endrin ketone	5	µg/L	U	U	U	U
76-44-8	Heptachlor	0.04	µg/L	U	U	U	0.022 J
1024-57-3	Heptachlor epoxide	0.03	µg/L	U	U	U	0.0089 J
72-43-5	Methoxychlor	35	µg/L	U	U	U	U
	Total Pesticides			ND	ND	ND	0.3469
	PCBs						
53469-21-9	Aroclor-1242	Sum of all PCBs	µg/L	U	**0.46 J**	**0.46 J**	U
12672-29-6	Aroclor-1248	< 0.09	µg/L	U	U	U	U
11096-82-5	Aroclor-1260		µg/L	U	U	U	U
	Total PCBs			ND	0.46	0.46	0.46
	INORGANICS						
7429-90-5	Aluminum	NS	µg/L	94 J	U	460	140
7440-36-0	Antimony	3	µg/L	U	U	U	U
7440-38-2	Arsenic	25	µg/L	U	U	U	U
7440-39-3	Barium	1,000	µg/L	23	100	110 B	38
7440-41-7	Beryllium	3 (G)	µg/L	U	U	U	U
7440-43-9	Cadmium	5	µg/L	U	U	U	U
7440-70-2	Calcium	NS	µg/L	18,700 B	83,100 B	65,800	84,600
7440-47-8	Chromium	50	µg/L	U	3.7 J	1.6 J	5.1
7440-48-4	Cobalt	NS	µg/L	U	U	U	0.82 J
7440-50-8	Copper	200	µg/L	9.9 J	2.8 J	7.8 J	U
7439-89-6	Iron	300	µg/L	**740**	**4,700**	3,400	**7,600**
7439-92-1	Lead	25	µg/L	U	3.3 J	U	U
7439-95-4	Magnesium	35,000 (G)	µg/L	2,500	17,600	7,400	430
7439-96-5	Manganese	300	µg/L	41	**540**	**430**	200 B
7439-97-6	Mercury	0.7	µg/L	U	U	U	U
7440-02-0	Nickel	100	µg/L	1.9 J	7.8 J	2.6 J	31
7440-09-7	Potassium	NS	µg/L	29,100	15,800	27,600	38,100
7782-49-2	Selenium	10	µg/L	U	U	U	U
7440-22-4	Silver	50	µg/L	U	U	U	U
7440-23-5	Sodium	20,000	µg/L	**46,400**	**33,900**	**63,200**	**45,400**
7440-62-2	Vanadium	NS	µg/L	27	1.6 J	9.1	4.2 J
7440-66-6	Zinc	2,000 (G)	µg/L	6.5 J	46	20	19
57-12-5	Cyanide	200	µg/L	18	U	29	21
	Total Inorganics			97,661	155,805	168,470	176,589

Notes:
NYSDEC June 1998 Ambient Water Quality Standards and Guidance Values for Grou
Bold and shaded values exceed the NYSDEC Class GA groundwater standard/guidanc
ND = Not Detected
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Appendix B-3
Sump S-3
Historically Detected Compounds

Cherry Farm Sump Samples Historically Detected Compounds		NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample Source: SDG: Matrix: Sampled:	S-3 G5120 OBG 5116 Water 11/20/1997	S-3 H0920 OBG 6847 Water 2/18/1998	S-3 H7393 OBG 7810 Water 5/27/1998	S-3 J8339 OBG 9571 Water 10/21/1998	S-3 M0189 OBG 1489 Water 4/19/1999	S-3 N4873 OBG 3856 Water 11/8/1999	S-3 Q3848 OBG 5490 Water 4/26/2000	S-3 R7148 OBG 7645 Water 12/13/2000	S-3 S7282 OBG 9259 Water 6/19/2001	S-3 T6807 OBG 724 Water 12/11/2001
CAS NO.	COMPOUND		UNITS:										
	VOLATILES												
67-64-1	Acetone	50 (G)	µg/L	U	7 J	U	6 J	5 J	U	U	7 J	4 J	U
71-43-2	Benzene	0.7	µg/L	U	U	U	U	U	U	U	U	U	U
75-15-0	Carbon disulfide	60 (G)	µg/L	U	U	U	U	8 J	2 J	U	U	U	U
108-90-7	Chlorobenzene	5	µg/L	U	U	U	U	U	U	U	U	U	U
75-34-3	1,1-Dichloroethane	5	µg/L	2 J	2 J	2 J	U	3 J	2 J	2 J	2 J	2 J	2 J
156-59-2	cis-1,2-Dichloroethene	5	µg/L	U	U	U	U	2 J	U	U	U	U	U
540-59-0	1,2-Dichloroethene (tota	5	µg/L	2 J	2 J	U	U	2 J	U	U	U	U	U
100-41-4	Ethylbenzene	5	µg/L	U	4 J	U	U	U	U	U	U	U	U
108-10-1	4-Methyl-2-pentanone	NS	µg/L	U	U	U	U	U	U	U	U	U	U
75-09-2	Methylene chloride	5	µg/L	U	U	U	2 J	1 J, B	U	U	U	U	2 J, B
127-18-4	Tetrachloroethene	5	µg/L	1 J	2 J	1 J	U	U	U	U	U	U	U
108-88-3	Toluene	5	µg/L	1 J	**17**	4 J	U	1 J	U	U	U	1 J	0.7 J
79-01-6	Trichloroethene	5	µg/L	U	1 J	U	U	U	U	U	U	U	U
1330-20-7	Xylene (total)	5	µg/L	3 J	**25**	**9 J**	U	4 J	3 J	4 J	2 J	4 J	2 J
	Total VOCs			9	60	16	8	26	7	6	11	11	6.7
	SEMIVOLATILES												
95-95-4	2,4,5-Trichlorophenol	NS	µg/L	U	U	U	U	U	U	U	U	U	U
105-67-9	2,4-Dimethylphenol	1	µg/L	U	U	U	U	U	U	U	U	U	U
83-32-9	Acenaphthene	20 (G)	µg/L	U	U	U	U	3 J	2 J	U	U	1 J	U
208-96-8	Acenaphthylene	NS	µg/L	U	U	U	U	4 J	2 J	U	U	U	U
56-55-3	Benzo[a]anthracene	20 (G)	µg/L	U	U	U	U	U	U	U	U	U	U
50-32-8	Benzo[a]pyrene	ND	µg/L	U	U	U	U	U	U	U	U	U	U
205-99-2	Benzo[b]fluoranthene	0.002 (G)	µg/L	U	U	U	U	U	U	U	U	U	U
191-24-2	Benzo[g,h,i]perylene	NS	µg/L	U	U	U	U	U	U	U	U	U	U
207-08-9	Benzo[k]fluoranthene	0.002 (G)	µg/L	U	U	U	U	U	U	U	U	U	U
117-81-7	bis(2-Ethylhexyl)phthala	5	µg/L	U	U	**7 J**	U	U	U	U	U	U	U
86-74-8	Carbazole	NS	µg/L	U	U	U	U	2 J	1 J	U	U	U	U
218-01-9	Chrysene	0.002 (G)	µg/L	U	U	U	U	U	U	U	U	U	U
84-74-2	Di-n-butyl phthalate	50	µg/L	U	U	U	U	U	U	U	U	U	U
132-64-9	Dibenzofuran	NS	µg/L	U	U	U	U	2 J	U	U	U	U	U
84-66-2	Diethyl phthalate	50 (G)	µg/L	U	U	U	U	U	U	U	U	U	U
105-67-9	2,4-Dimethylphenol	1	µg/L	**43**	**54**	**43**	U	**28**	**13**	**12**	**4 J**	**14**	**10**
206-44-0	Fluoranthene	50 (G)	µg/L	U	U	U	U	U	U	U	U	U	U
86-73-7	Fluorene	50 (G)	µg/L	U	U	U	U	2 J	2 J	U	1 J	U	U
193-39-5	Indeno[1,2,3-cd]pyrene	0.002 (G)	µg/L	U	U	U	U	U	U	U	U	U	U
91-57-6	2-Methylnaphthalene	NS	µg/L	1 J	2 J	2 J	U	4 J	2 J	U	U	U	U
95-48-7	2-Methylphenol	1	µg/L	**16**	**19**	**15**	U	**10 J**	**8 J**	**6 J**	**2 J**	**10**	U
106-44-5	4-Methylphenol	1	µg/L	**49**	**58**	**44**	U	**25**	**20**	**15**	U	**22**	**3 J**
91-20-3	Naphthalene	10 (G)	µg/L	3 J	6 J	5 J	U	**40**	**13**	6 J	U	5 J	4 J
85-01-8	Phenanthrene	50 (G)	µg/L	U	U	1 J	U	2 J	2 J	U	U	1 J	1 J
108-95-2	Phenol	1	µg/L	**6 J**	**18**	**5 J**	U	U	U	U	U	U	U
129-00-0	Pyrene	50 (G)	µg/L	U	U	U	U	U	U	U	U	U	U
	Total SVOCs			118	157	122	ND	122	65	39	7	53	18
	PESTICIDES												
309-00-2	Aldrin	ND	µg/L	U	U	U	U	U	U	0.0029 J, P	0.002 J, P	U	U
319-84-6	alpha-BHC	0.01	µg/L	U	U	U	U	U	U	U	U	U	U
319-85-7	beta-BHC	0.04	µg/L	U	U	U	U	U	U	U	U	U	U
58-89-9	gamma-BHC (Lindane)	0.05	µg/L	U	U	U	U	U	U	U	U	U	U
5103-71-9	alpha-Chlordane	0.05	µg/L	U	U	U	U	U	U	U	U	U	U
5103-74-2	gamma-Chlordane	0.05	µg/L	U	U	0.019 J, P	0.003 J, P	0.00072 B, J, P	0.0032 J, P	U	U	U	0.012 J, P
72-54-8	4,4'-DDD	0.3	µg/L	U	U	U	U	0.00049 J, P	U	0.0013 J, P	0.0032 J, P	U	U
72-55-9	4,4'-DDE	0.2	µg/L	U	U	0.0047 J, P	0.0024 J, P	U	U	U	U	U	U
50-29-3	4,4'-DDT	0.2	µg/L	U	U	U	U	0.00077 J, P	U	U	0.0052 J, P	U	0.0058 J
60-57-1	Dieldrin	0.004	µg/L	U	U	**0.0044 J, P**	U	0.00047 J, P	U	U	U	U	**0.018 J**
959-98-8	Endosulfan I	NS	µg/L	U	U	0.0032 J, P	U	U	U	U	0.0078 J, P	U	0.0038 J, P
33213-65-9	Endosulfan II	NS	µg/L	U	0.0059 J	U	0.005 J, P	0.00084 J, P	0.0023 J	U	U	0.008 J, P	U
1031-07-8	Endosulfan sulfate	NS	µg/L	U	0.0017 J, P	0.068 J, P	0.0069 B, J, P	0.0014 J, P	U	U	U	U	U
72-20-8	Endrin	ND	µg/L	U	U	0.36 P	U	U	U	U	0.0087 J	U	0.012 J, P
7421-93-4	Endrin aldehyde	5	µg/L	U	U	U	0.0075 J	0.0016 J	U	U	0.0061 J	U	0.011 B, J, P
53494-70-5	Endrin ketone	5	µg/L	U	U	U	U	U	U	U	U	U	0.003 J, P
76-44-8	Heptachlor	0.04	µg/L	U	0.0082 J, P	U	U	U	U	U	U	U	0.0017 J, P
1024-57-3	Heptachlor epoxide	0.03	µg/L	U	U	U	0.00073 J	0.0026 J, P	U	U	U	U	0.002 J, P
72-43-5	Methoxychlor	35	µg/L	U	U	U	U	U	U	U	U	U	U
	Total Pesticides			ND	0.0158	0.4593	0.02553	0.00889	0.0055	0.0042	0.033	0.008	0.0693
	PCBs												
53469-21-9	Aroclor-1242	Sum of all PCBs	µg/L	U	U	U	U	U	U	U	U	U	U
12672-29-6	Aroclor-1248	< 0.09	µg/L	U	U	U	U	U	U	U	U	U	U
11096-82-5	Aroclor-1260		µg/L	U	U	**0.82 J, P**	U	**0.52 J, P**	U	U	U	U	U
	Total PCBs			ND	ND	0.82	ND	0.52	ND	ND	ND	ND	ND
	INORGANICS												
7429-90-5	Aluminum	NS	µg/L	620	415	460	100 B	298	382	443	280 E	534	556
7440-36-0	Antimony	3	µg/L	**10.7 B**	2.8 B	**5.3 B**	**12.6 B**	**5.1 B**	**4.7 B**	**3.4 B**	**8.2 B**	**4.6 B**	**3.2 B**
7440-38-2	Arsenic	25	µg/L	9.2 B	U	9.3 B	4.9 B	3.8 B	4.4 B	4.3 B	2.6 B	3.3 B	4.2 B
7440-39-3	Barium	1,000	µg/L	55.2 B	51.2 B	44.4 B	54.8 B	56.6 B	50.3 B	52.3 B	64 B	40 B	38. 5 B
7440-41-7	Beryllium	3 (G)	µg/L	U	U	U	U	U	0.18 B	U	0.26 B	U	U
7440-70-2	Calcium	NS	µg/L	126000	136000	113000	112000	151000	145000	169000	201000	145000	132000
7440-47-8	Chromium	50	µg/L	U	U	U	U	U	U	U	U	U	U
7440-50-8	Copper	200	µg/L	1.4 B	1.4 B	1 B	4.6 B	1.1 B	U	0.75 B	1.4 B	U	U
7439-89-6	Iron	300	µg/L	67.1 B	21.6 B	41.6 B	**708**	62.3 B	75.8 B	61.6 B	61.4 B	127	40.7 B
7439-92-1	Lead	25	µg/L	U	U	U	U	U	U	U	1.7 B	U	U
7439-95-4	Magnesium	35,000 (G)	µg/L	27.4 B	53.6 B	U	546 B	46.8 B	60.7 B	121 B	2140 B	282 B	213 B
7439-96-5	Manganese	300	µg/L	0.7 B	U	U	14.8 B	U	0.39 B	U	4.1 B	8.2 B	U
7439-97-6	Mercury	0.7	µg/L	U	U	U	U	U	U	U	U	U	U
7440-02-0	Nickel	100	µg/L	2.5 B	1.1 B	2.4 B	1.9 B	2.5 B	2.8 B, E	U	2.1 B	2.3 B	3.2 B
7440-09-7	Potassium	NS	µg/L	53000	44700	47400	38500	47100	48500	54100	53600 E	49900	48800
7782-49-2	Selenium	10	µg/L	8.1	U	U	U	U	5.3	U	**26**	3.6 B	4.4 B
7440-22-4	Silver	50	µg/L	0.85 B	U	U	U	U	U	U	U	U	U
7440-23-5	Sodium	20,000	µg/L	**51500**	**45600**	**49400**	**32500**	**44300**	**46200 E**	**61300**	**54200**	**72400**	**63600**
7440-62-2	Vanadium	NS	µg/L	20.9 B	13.1 B	14.2 B	5.5 B	16.5 B	12.6 B, E	15.1 B	45 B	19.2 B	15.7 B
7440-66-6	Zinc	2,000 (G)	µg/L	4.3 B	4.9 B	8.4 B	26.1	U	6.3 B	3.4 B	1.2 B	3.8 B	U
57-12-5	Cyanide	200	µg/L	49.5		32.5	69	15.6	25.3	39.9	23	28.2	47.9
	Total Inorganics			231,378	226,865	210,419	184,548	242,908	240,331	285,145	311,461	268,356	245,327

Notes:

NYSDEC June 1998 Ambient Water Quality Standards and Guidance Values for Groundwater Class GA.

Bold and shaded values exceed the NYSDEC Class GA groundwater standard/guidance value.

ND = Not Detected

NS = No Standard

(G) = Guidance Value

U = Indicates compound was analyzed for, but not detected at or above the reporting limit.

J = Result is less than the Reporting Limit but greater than or equal to the Method Detection Limit and the concentration is an approximate value.

B = Compound was found in the blank and sample.

Appendix B-3
Sump S-3
Historically Detected Compounds

Cherry Farm Sump Samples Historically Detected Compounds		NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample Source: SDG: Matrix: Sampled:	S-3 V4307 OB 2494 Water 6/17/2002	S-3 Z9835 OB 4203 Water 12/19/2002	S-3 A7428 OB 5716 Water 6/24/2003	S-3 B4290 OB 6968 Water 12/16/2003	S-3 E1070 OB 6968 Water 6/7/2004	S-3 0508015-005A OB 200508 Water 8/2/2005	S-3 0603095-004A LSL-BL 6030950 Water 3/21/2006	S-3 A7E985013 TA A07-E985 Water 12/27/2007	S-3 A8E30607 TA A08-E150 Water 11/10/2008	S-3 RSI0312-03 TA RSI0296 Water 9/9/2009
CAS NO.	COMPOUND		UNITS:										
	VOLATILES												
67-64-1	Acetone	50 (G)	µg/L	U	4 J, B	U	U	3 J, B	5 J, B	2 J, B	U	U	2.1 J
71-43-2	Benzene	0.7	µg/L	U	U	U	U	U	U	U	U	U	U
75-15-0	Carbon disulfide	60 (G)	µg/L	U	U	U	U	U	U	U	U	U	U
108-90-7	Chlorobenzene	5	µg/L	U	U	U	U	U	U	U	3 J	U	U
75-34-3	1,1-Dichloroethane	5	µg/L	2 J	2 J	2 J	2 J	2 J	2 J	2 J	U	U	1.5
156-59-2	cis-1,2-Dichloroethene	5	µg/L	U	U	U	U	U	0.5 J	U	U	U	U
540-59-0	1,2-Dichloroethene (tota	5	µg/L	U	U	U	U	U	U	U	U	U	U
100-41-4	Ethylbenzene	5	µg/L	U	U	U	U	U	U	U	U	U	U
108-10-1	4-Methyl-2-pentanone	NS	µg/L	U	1 J	U	U	2 J	U	1 J	U	U	U
75-09-2	Methylene chloride	5	µg/L	1 J	1 J, B	0.5 J	U	0.7 J, B	0.8 J, B	1 J, B	U	U	U
127-18-4	Tetrachloroethene	5	µg/L	U	U	U	U	U	U	U	U	U	U
108-88-3	Toluene	5	µg/L	U	U	0.7 J	U	0.8 J	1 J	U	U	U	U
79-01-6	Trichloroethene	5	µg/L	U	U	U	U	U	U	U	U	U	U
1330-20-7	Xylene (total)	5	µg/L	3 J	U	1 J	0.9 J	1 J	2 J	U	U	U	1 J
	Total VOCs			6	8	4.2	2.9	9.5	11.3	6	3	ND	4.6
	SEMIVOLATILES												
95-95-4	2,4,5-Trichlorophenol	NS	µg/L	U	U	U	U	U	U	U	U	U	U
105-67-9	2,4-Dimethylphenol	1	µg/L	U	U	U	U	U	U	U	U	U	U
83-32-9	Acenaphthene	20 (G)	µg/L	U	U	U	U	1 J	U	U	0.5 J	0.6 J	U
208-96-8	Acenaphthylene	NS	µg/L	U	U	U	U	U	U	U	0.2 J	0.4 J	U
56-55-3	Benzo[a]anthracene	20 (G)	µg/L	U	U	**94 J, D**	1 J	5 J	1.3 J	U	0.2 J	U	U
50-32-8	Benzo[a]pyrene	ND	µg/L	U	U	79 J, D	U	4 J	1.9 J	1 J	U	U	U
205-99-2	Benzo[b]fluoranthene	0.002 (G)	µg/L	U	U	**110 J, D**	**2 J**	**6 J**	**3.7 J**	**1 J**	U	U	U
191-24-2	Benzo[g,h,i]perylene	NS	µg/L	U	U	U	U	3 J	1 J	U	U	U	U
207-08-9	Benzo[k]fluoranthene	0.002 (G)	µg/L	U	U	**93 J, D**	U	**4 J**	**1.7 J**	U	U	U	U
117-81-7	bis(2-Ethylhexyl)phthala	5	µg/L	U	U	**140 J, D**	2 J	**15 J**	**18**	**6 J**	U	U	U
86-74-8	Carbazole	NS	µg/L	U	U	U	U	U	U	U	U	0.5 J	U
218-01-9	Chrysene	0.002 (G)	µg/L	U	U	**92 J, D**	U	**4 J**	**1.2 J**	U	U	U	U
84-74-2	Di-n-butyl phthalate	50	µg/L	U	U	U	U	U	U	1 J	0.3 J, B	0.7 J, B	U
132-64-9	Dibenzofuran	NS	µg/L	U	U	U	U	U	U	U	U	0.3 J	U
84-66-2	Diethyl phthalate	50 (G)	µg/L	U	U	U	U	U	U	U	U	0.8 J, B	U
105-67-9	2,4-Dimethylphenol	1	µg/L	**19**	U	U	**6 J**	**13**	**28**	**26**	U	U	**11**
206-44-0	Fluoranthene	50 (G)	µg/L	U	U	**210 J, D**	2 J	7 J	1.5 J	U	0.3 J, B	0.4 J, B	U
86-73-7	Fluorene	50 (G)	µg/L	U	U	U	U	U	U	U	0.4 J	0.6 J	U
193-39-5	Indeno[1,2,3-cd]pyrene	0.002 (G)	µg/L	U	U	U	U	**2 J**	U	U	U	U	U
91-57-6	2-Methylnaphthalene	NS	µg/L	1 J	U	U	U	U	1 J	U	0.3 J	0.6 J, B	U
95-48-7	2-Methylphenol	1	µg/L	**14**	U	U	1 J	U	**8.4 J**	**9 J**	0.6 J	**3 J**	**3.5 J**
106-44-5	4-Methylphenol	1	µg/L	**33**	U	U	**4 J**	U	**19**	21	1 J	**6**	**7.4 J**
91-20-3	Naphthalene	10 (G)	µg/L	7 J	U	U	U	U	4 J	4 J	1 J	2 J, B	1.2 J
85-01-8	Phenanthrene	50 (G)	µg/L	U	U	U	U	U	U	U	0.8 J	0.9	U
108-95-2	Phenol	1	µg/L	U	U	U	U	U	U	U	U	U	U
129-00-0	Pyrene	50 (G)	µg/L	U	U	**290 J, D**	3 J	17	8.6 J	U	0.2 J	0.2 J	4.9 J
	Total SVOCs			74	ND	1108	21	81	99.3	69	5.8	17	28
	PESTICIDES												
309-00-2	Aldrin	ND	µg/L	0.036 J, P	U	U	U	U	U	0.0039 J, P	U	U	U
319-84-6	alpha-BHC	0.01	µg/L	U	U	U	U	U	0.0015 J, P	U	U	U	U
319-85-7	beta-BHC	0.04	µg/L	0.0053 J, P	U	U	0.024 J, P	U	0.026 J, P	0.0093 J, P	U	U	U
58-89-9	gamma-BHC (Lindane)	0.05	µg/L	U	U	U	0.017 J, P	0.041 J, P	0.021 J, P	0.018 J, P	0.03 J	U	0.026 J
5103-71-9	alpha-Chlordane	0.05	µg/L	U	U	**0.39 P**	U	U	U	U	U	U	U
5103-74-2	gamma-Chlordane	0.05	µg/L	U	**0.13 P**	U	U	U	0.0022 J, P	U	0.012 J	U	U
72-54-8	4,4'-DDD	0.3	µg/L	U	U	**8 P**	U	U	U	U	U	U	U
72-55-9	4,4'-DDE	0.2	µg/L	U	0.18 P	**2.8 P**	0.092 J, P	0.1	**0.26**	0.12 P	U	U	U
50-29-3	4,4'-DDT	0.2	µg/L	0.0097 J, P	U	U	U	U	U	U	U	0.041 J	0.028 J
60-57-1	Dieldrin	0.004	µg/L	U	**0.21**	**2.4 P**	U	**0.092 B, J, P**	U	U	**0.023 J**	U	U
959-98-8	Endosulfan I	NS	µg/L	0.0064 J, P	0.059 P	2.2 P	0.025 J, P	0.033 J, P	0.062 P	0.035 J, P	0.005 J	0.051	U
33213-65-9	Endosulfan II	NS	µg/L	U	U	1.6 P	U	0.0067 J, P	U	U	U	U	U
1031-07-8	Endosulfan sulfate	NS	µg/L	U	U	U	U	U	0.021 J, P	0.0057 J, P	U	U	U
72-20-8	Endrin	ND	µg/L	U	U	U	U	0.066 J, P	0.095 J, P	0.066 J	U	U	U
7421-93-4	Endrin aldehyde	5	µg/L	U	0.07 J, P	0.72 P, B	U	0.11 P	0.087 J, P	U	U	U	U
53494-70-5	Endrin ketone	5	µg/L	U	U	U	0.1 P	U	0.009 J, P	0.0072 J, P	U	U	U
76-44-8	Heptachlor	0.04	µg/L	0.0046 J	U	**0.85 P**	**0.041 P, J**	**0.07 P**	0.092 P	U	0.023 J	**0.08**	0.016 J
1024-57-3	Heptachlor epoxide	0.03	µg/L	U	U	**0.2 P, J**	U	U	**0.29 P**	U	U	U	U
72-43-5	Methoxychlor	35	µg/L	U	U	U	U	U	0.038	0.068	U	U	U
	Total Pesticides			0.062	0.649	19.16	0.299	0.5187	1.0047	0.3331	0.093	0.172	0.07
	PCBs												
53469-21-9	Aroclor-1242	Sum of all PCBs	µg/L	U	U	U	U	U	U	U	**0.39 J**	**0.44 J**	U
12672-29-6	Aroclor-1248	< 0.09	µg/L	U	**13**	**130 P**	**5.2 P**	U	**14**	**4.8 P**	U	U	U
11096-82-5	Aroclor-1260		µg/L	U	U	U	U	**2.8**	U	**2.1**	U	U	U
	Total PCBs			ND	13	130	5.2	2.8	14	6.9	0.39	0.44	ND
	INORGANICS												
7429-90-5	Aluminum	NS	µg/L	388	497	536	489	343	397	271	474	496	309 B
7440-36-0	Antimony	3	µg/L	2.8 B	**3.8 B**	2 B	**3.2 B**	**6.2 B**	2.6 B	**3.2 B**	U	U	U
7440-38-2	Arsenic	25	µg/L	3.6 B	4.8 B	3.7 B	2.6 B	4.9 B	5.2 B	4.4 B	5.7 B	7.9 B	10 B
7440-39-3	Barium	1,000	µg/L	32.8 B	36.6 B	37.6 B	31.1 B	34.6 B	36.1 B	29 B	34.9	34.9	27.8
7440-41-7	Beryllium	3 (G)	µg/L	U	U	U	U	U	U	U	0.38 B	0.4 B	U
7440-70-2	Calcium	NS	µg/L	106000	91800	107000	85100	93600	86300	72800	63000	74100	U
7440-47-8	Chromium	50	µg/L	U	U	U	U	U	U	U	1.6 B	1.3 B	U
7440-50-8	Copper	200	µg/L	U	U	1.2 B	U	1.1 B	U	U	U	1.6 B	U
7439-89-6	Iron	300	µg/L	36.6 B	61.7 B	127	120	86.6 B	86 B	153	20.5 B	118	26 J
7439-92-1	Lead	25	µg/L	U	U	U	U	1 B	U	U	U	U	U
7439-95-4	Magnesium	35,000 (G)	µg/L	317 B	152 B	131 B	182 B	532 B	72.7 B	343 B	557	193 B	56 J
7439-96-5	Manganese	300	µg/L	6.6 B	0.92 B	4.5 B	5.1 B	2.4 B	0.45 B	0.72 B, E	0.79 B	0.94 B	1 J
7439-97-6	Mercury	0.7	µg/L	U	U	0.06 B	U	U	0.027 B	U	U	U	U
7440-02-0	Nickel	100	µg/L	U	U	U	3.4 B	10.3 B	5.5 B	4 B	2.2 B	2 B	2.6 J
7440-09-7	Potassium	NS	µg/L	43100	41300	44600	37400	44700	47000	39400	38700	39700	41000
7782-49-2	Selenium	10	µg/L	2.5 B	2.8 B	6	3.3 B	U	U	3.3 B	**12.3 B**	U	U
7440-22-4	Silver	50	µg/L	U	U	U	U	U	U	1.2 B	1.5 B	U	U
7440-23-5	Sodium	20,000	µg/L	**64700 E**	**55900**	**64800**	**52200**	**70400**	**67000**	**60700**	**48900**	**61500**	**58500**
7440-62-2	Vanadium	NS	µg/L	16.9 B	27.5 B	16 B	16 B	17 B	10.1 B	10.6 B	39.1	22.4	15.6
7440-66-6	Zinc	2,000 (G)	µg/L	23.6	2.2 B	17 B	35.6	5.5 B	9.8 B	24.4	U	U	33.3
57-12-5	Cyanide	200	µg/L	40.6	49.9	40.2	40.6	48.2	39.9	50.6	0.037	0.022	46.5
	Total Inorganics			214,671	189,839	217,322	175,632	209,793	200,965	173,798	151,750	176,178	100,028

Notes:
NYSDEC June 1998 Ambient Water Quality Standards and Guidance Values for Gr
Bold and shaded values exceed the NYSDEC Class GA groundwater standard/guida
ND = Not Detected
NS = No Standard
(G) = Guidance Value
U = Indicates compound was analyzed for, but not detected at or above the reporting
J = Result is less than the Reporting Limit but greater than or equal to the Method De
B = Compound was found in the blank and sample.

Appendix B-3
Sump S-3
Historically Detected Compounds

Cherry Farm Sump Samples Historically Detected Compounds		NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample Source: SDG: Matrix: Sampled:	S-3 RTF0860-04 TA RTF0798 Water 6/11/2010	S-3 480-2227-3 TA 480-2185 Water 3/4/2011	S-3 480-14339-3 TA 480-14339 Water 12/21/2011	S-3 480-23637-3 TA 480-23637 Water 8/8/2012	S-3 480-38452-1 TA 480-38452 Water 5/16/2013
CAS NO.	COMPOUND		UNITS:					
	VOLATILES							
67-64-1	Acetone	50 (G)	µg/L	U	U	U	U	U
71-43-2	Benzene	0.7	µg/L	U	U	U	0.50 J	U
75-15-0	Carbon disulfide	60 (G)	µg/L	U	U	U	U	U
108-90-7	Chlorobenzene	5	µg/L	U	U	U	U	U
75-34-3	1,1-Dichloroethane	5	µg/L	U	2	1.8	2.2	1.8
156-59-2	cis-1,2-Dichloroethene	5	µg/L	U	U	U	U	U
540-59-0	1,2-Dichloroethene (tota	5	µg/L	U	U	U	U	U
100-41-4	Ethylbenzene	5	µg/L	U	U	U	U	U
108-10-1	4-Methyl-2-pentanone	NS	µg/L	U	U	U	U	U
75-09-2	Methylene chloride	5	µg/L	U	U	U	U	U
127-18-4	Tetrachloroethene	5	µg/L	U	U	U	0.49 J	U
108-88-3	Toluene	5	µg/L	U	0.67 J	0.68 J	0.94 J	U
79-01-6	Trichloroethene	5	µg/L	U	U	U	U	U
1330-20-7	Xylene (total)	5	µg/L	U	0.95 J	1.7 J	2.5	U
	Total VOCs			ND	3.62	4.18	6.63	1.8
	SEMIVOLATILES							
95-95-4	2,4,5-Trichlorophenol	NS	µg/L	U	U	U	U	0.52 J
105-67-9	2,4-Dimethylphenol	1	µg/L	U	U	U	U	**18**
83-32-9	Acenaphthene	20 (G)	µg/L	0.69 J	0.51 J	0.65 J	0.74 J	U
208-96-8	Acenaphthylene	NS	µg/L	4.9 J	U	U	U	U
56-55-3	Benzo[a]anthracene	20 (G)	µg/L	U	U	U	U	U
50-32-8	Benzo[a]pyrene	ND	µg/L	U	U	U	U	U
205-99-2	Benzo[b]fluoranthene	0.002 (G)	µg/L	U	U	U	U	U
191-24-2	Benzo[g,h,i]perylene	NS	µg/L	U	U	U	U	U
207-08-9	Benzo[k]fluoranthene	0.002 (G)	µg/L	U	U	U	U	U
117-81-7	bis(2-Ethylhexyl)phthala	5	µg/L	U	2.6 J,B	U	U	U
86-74-8	Carbazole	NS	µg/L	0.54 J	0.42 J	0.48 J	0.49 J	U
218-01-9	Chrysene	0.002 (G)	µg/L	U	U	U	U	U
84-74-2	Di-n-butyl phthalate	50	µg/L	4.9 J	0.92 J,B	U	0.39 J	0.49 J
132-64-9	Dibenzofuran	NS	µg/L	U	U	U	U	U
84-66-2	Diethyl phthalate	50 (G)	µg/L	U	U	U	U	U
105-67-9	2,4-Dimethylphenol	1	µg/L	**8.9**	**7.3**	U	**11**	U
206-44-0	Fluoranthene	50 (G)	µg/L	U	0.44 J	U	U	U
86-73-7	Fluorene	50 (G)	µg/L	U	0.59 J	0.37 J	0.65 J	U
193-39-5	Indeno[1,2,3-cd]pyrene	0.002 (G)	µg/L	U	U	U	U	U
91-57-6	2-Methylnaphthalene	NS	µg/L	U	U	0.70 J	0.67 J	U
95-48-7	2-Methylphenol	1	µg/L	**8.5**	**7.1**	**8.8**	**5.1**	**7.2**
106-44-5	4-Methylphenol	1	µg/L	**22**	**15**	**19**	**6.7 J**	**16**
91-20-3	Naphthalene	10 (G)	µg/L	2.1 J	1.8 J	3.0 J	2.9 J	1.9 J
85-01-8	Phenanthrene	50 (G)	µg/L	0.93 J	0.86 J	U	0.92 J	0.60 J
108-95-2	Phenol	1	µg/L	U	U	U	U	U
129-00-0	Pyrene	50 (G)	µg/L	U	0.40 J	U	U	U
	Total SVOCs			53.46	37.94	33	29.56	44.71
	PESTICIDES							
309-00-2	Aldrin	ND	µg/L	U	U	U	U	U
319-84-6	alpha-BHC	0.01	µg/L	U	U	U	U	U
319-85-7	beta-BHC	0.04	µg/L	U	U	U	U	U
58-89-9	gamma-BHC (Lindane)	0.05	µg/L	0.013 QSU, J	U	U	U	0.014 J
5103-71-9	alpha-Chlordane	0.05	µg/L	U	U	U	U	U
5103-74-2	gamma-Chlordane	0.05	µg/L	0.013 QSU, J	U	U	U	0.012 J
72-54-8	4,4'-DDD	0.3	µg/L	U	U	U	U	U
72-55-9	4,4'-DDE	0.2	µg/L	U	U	U	U	0.020 J
50-29-3	4,4'-DDT	0.2	µg/L	U	U	U	U	U
60-57-1	Dieldrin	0.004	µg/L	U	U	U	U	U
959-98-8	Endosulfan I	NS	µg/L	U	U	U	U	U
33213-65-9	Endosulfan II	NS	µg/L	U	U	U	U	U
1031-07-8	Endosulfan sulfate	NS	µg/L	U	U	U	U	U
72-20-8	Endrin	ND	µg/L	U	U	U	U	U
7421-93-4	Endrin aldehyde	5	µg/L	U	U	U	U	U
53494-70-5	Endrin ketone	5	µg/L	U	U	U	U	U
76-44-8	Heptachlor	0.04	µg/L	U	U	U	U	0.0091 J
1024-57-3	Heptachlor epoxide	0.03	µg/L	U	U	U	U	U
72-43-5	Methoxychlor	35	µg/L	U	U	U	U	U
	Total Pesticides			0.026	ND	ND	ND	0.0551
	PCBs							
53469-21-9	Aroclor-1242	Sum of all PCBs	µg/L	**0.2 QSU, J**	U	**0.30 J**	**0.93**	**0.24 J**
12672-29-6	Aroclor-1248	< 0.09	µg/L	U	**0.41 J**	U	U	U
11096-82-5	Aroclor-1260		µg/L	U	**0.29 J**	U	U	U
	Total PCBs			0.2	0.7	0.3	0.93	0.24
	INORGANICS							
7429-90-5	Aluminum	NS	µg/L	308	280	200	290	320
7440-36-0	Antimony	3	µg/L	U	U	U	U	U
7440-38-2	Arsenic	25	µg/L	7 J	U	U	6.4 J	5.7 J
7440-39-3	Barium	1,000	µg/L	30	24	24	29 B	33
7440-41-7	Beryllium	3 (G)	µg/L	U	U	U	U	U
7440-70-2	Calcium	NS	µg/L	59,600	52,200 B	45,400 B	54,100	57,600
7440-47-8	Chromium	50	µg/L	U	1.7 J	U	U	1.5 J
7440-50-8	Copper	200	µg/L	U	2.3 J	1.7 J	U	4.4 J
7439-89-6	Iron	300	µg/L	36 J	300	55	37 J	64
7439-92-1	Lead	25	µg/L	U	U	U	U	U
7439-95-4	Magnesium	35,000 (G)	µg/L	77 J	U	77 J	U	240
7439-96-5	Manganese	300	µg/L	0.2 J	2.3 J	0.55 J	U	0.79 J
7439-97-6	Mercury	0.7	µg/L	U	U	U	U	U
7440-02-0	Nickel	100	µg/L	1.4 J	1.6 J	1.9 J	1.4 J	1.9 J
7440-09-7	Potassium	NS	µg/L	43,500	35,300	35,100	39,900	42,900
7782-49-2	Selenium	10	µg/L	U	U	U	U	U
7440-22-4	Silver	50	µg/L	U	U	U	U	U
7440-23-5	Sodium	20,000	µg/L	**61,100**	**51,700**	**47,100**	**51,800**	**54,000**
7440-62-2	Vanadium	NS	µg/L	11.8	35	39	16	33
7440-66-6	Zinc	2,000 (G)	µg/L	2.1 J	3.0 J	U	U	2.2 J
57-12-5	Cyanide	200	µg/L	62.9 CF6	44	49	66	54
	Total Inorganics			164,736	139,894	128,048	146,246	155,260

Notes:
NYSDEC June 1998 Ambient Water Quality Standards and Guidance Values for Gr
Bold and shaded values exceed the NYSDEC Class GA groundwater standard/guida
ND = Not Detected
NS = No Standard
(G) = Guidance Value
U = Indicates compound was analyzed for, but not detected at or above the reporting
J = Result is less than the Reporting Limit but greater than or equal to the Method De
B = Compound was found in the blank and sample.

Appendix B-3
Sump S-4
Historically Detected Compounds

Cherry Farm Sump Samples Historically Detected Compounds		NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample Source: SDG: Matrix: Sampled:	S-4 G5118 OBG 5116 Water 11/20/1997	S-4 H1025 OBG 6857 Water 2/20/1998	S-4 H7398 OBG 7810 Water 5/28/1998	S-4 M0297 OBG 1516 Water 4/21/1999	S-4 N5018 OBG 3880 Water 11/10/1999	S-4 Q4028 OBG 5512 Water 4/28/2000	S-4 R7178 OBG 7645 Water 12/14/2000	S-4 S7279 OBG 9259 Water 6/19/2001	S-4 T6910 OBG 739 Water 12/12/2001	S-4 V4635 OB 2494 Water 6/19/2002
CAS NO.	COMPOUND		UNITS:										
	VOLATILES												
67-64-1	Acetone	50 (G)	µg/L	U	2 J	U	6 J	U	U	3 J	4 J	U	U
71-43-2	Benzene	0.7	µg/L	**6 J**	U	1 J	**5 J**	U	U	U	U	U	U
75-15-0	Carbon disulfide	60 (G)	µg/L	U	U	U	10	U	U	U	U	U	U
75-34-3	1,1-Dichloroethane	5	µg/L	U	U	U	**8 J**	U	U	U	U	U	U
156-59-2	cis-1,2-Dichloroethene	5	µg/L	U	U	U	**9 J**	U	U	U	U	U	U
156-60-5	trans-1,2-Dichloroethene	5	µg/L	U	U	U	2 J	U	U	U	U	U	U
540-59-0	1,2-Dichloroethene (tota	5	µg/L	3 J	U	U	**11**	U	U	1 J	U	U	U
100-41-4	Ethylbenzene	5	µg/L	U	U	U	**7**	U	U	U	U	U	U
108-10-1	4-Methyl-2-pentanone	NS	µg/L	U	U	U	U	U	U	U	U	U	U
75-09-2	Methylene chloride	5	µg/L	U	U	U	2 J, B	U	U	U	U	1 J, B	1 J
127-18-4	Tetrachloroethene	5	µg/L	U	U	U	U	U	U	U	U	U	U
108-88-3	Toluene	5	µg/L	1 J	U	U	4 J	U	U	U	U	U	U
79-01-6	Trichloroethene	5	µg/L	1 J	U	U	U	U	U	U	U	U	U
75-01-4	Vinyl chloride	3	µg/L	U	U	U	**4 J**	U	U	U	U	U	U
1330-20-7	Xylene (total)	5	µg/L	2 J	U	U	**24**	U	U	1 J	U	U	U
	Total VOCs			13	2	1	92	ND	ND	5	4	1	1
	SEMIVOLATILES												
83-32-9	Acenaphthene	20 (G)	µg/L	8	U	6 J	U	1 J	U	U	U	U	U
208-96-8	Acenaphthylene	NS	µg/L	4	U	5 J	U	1 J	U	U	U	U	U
120-12-7	Anthracene	50(G)	µg/L	1	U	U	U	U	U	U	U	U	U
50-32-8	Benzo[a]pyrene	ND	µg/L	U	U	U	U	U	U	U	U	U	U
117-81-7	bis(2-Ethylhexyl)phthala	5	µg/L	U	U	U	U	U	2 J	2 J	4 J	U	5 J
86-74-8	Carbazole	NS	µg/L	4 J	U	4 J	U	U	U	U	U	U	U
59-50-7	4-Chloro-3-methylphenc	1	µg/L	U	U	U	**5 J**	U	U	**3 J**	U	U	U
84-74-2	Di-n-butyl phthalate	50	µg/L	U	U	U	U	U	U	U	U	U	U
132-64-9	Dibenzofuran	NS	µg/L	4 J	U	5 J	U	U	U	U	U	U	U
95-50-1	1,2-Dichlorobenzene	3	µg/L	U	U	U	U	U	U	U	U	U	U
541-73-1	1,3-Dichlorobenzene	3	µg/L	U	U	U	1 J	U	U	U	U	U	U
106-46-7	1,4-Dichlorobenzene	3	µg/L	U	U	U	2 J	U	U	U	U	U	U
84-66-2	Diethyl phthalate	50 (G)	µg/L	U	U	U	U	U	U	U	U	U	U
131-11-3	Dimethyl phthalate	50 (G)	µg/L	U	U	U	U	U	U	U	U	U	U
105-67-9	2,4-Dimethylphenol	1	µg/L	**4 J**	U	**18**	**51**	**2 J**	U	U	U	U	U
206-44-0	Fluoranthene	50 (G)	µg/L	U	U	U	U	U	U	U	U	U	U
86-73-7	Fluorene	50 (G)	µg/L	6 J	U	6 J	1 J	1 J	U	U	U	U	U
91-57-6	2-Methylnaphthalene	NS	µg/L	6 J	U	5 J	2 J	U	U	U	U	U	U
95-48-7	2-Methylphenol	1	µg/L	**2 J**	U	**6 J**	**2 J**	U	U	**2 J**	U	U	U
106-44-5	4-Methylphenol	1	µg/L	**3 J**	U	**10**	U	U	U	U	U	U	U
91-20-3	Naphthalene	10 (G)	µg/L	**110**	U	**110 E**	**11**	U	U	U	U	U	U
85-01-8	Phenanthrene	50 (G)	µg/L	10 J	U	8 J	U	U	U	U	U	U	U
108-95-2	Phenol	1	µg/L	U	U	1 J	U	U	U	U	U	U	U
129-00-0	Pyrene	50 (G)	µg/L	U	U	U	U	U	U	U	U	U	U
120-82-1	1,2,4-Trichlorobenzene	5	µg/L	U	U	U	U	U	U	U	U	U	U
95-95-4	2,4,5-Triclorophenol	1	µg/L	U	U	U	U	U	U	U	U	U	U
	Total SVOCs			162	ND	184	75	5	2	7	4	ND	5
	PESTICIDES												
309-00-2	Aldrin	ND	µg/L	U	U	U	U	U	0.0021 J, P	U	U	U	0.0091 J, P
319-84-6	alpha-BHC	0.01	µg/L	U	U	U	U	U	0.0016 J	U	U	U	U
319-85-7	beta-BHC	0.04	µg/L	U	U	U	U	U	U	U	U	U	U
319-86-8	delta-BHC	0.04	µg/L	U	U	U	0.008 J, P	U	U	0.0035 B, J, P	U	U	U
58-89-9	gamma-BHC (Lindane)	0.05	µg/L	0.0011 J, P	0.0021 J, P	U	U	U	U	U	U	U	U
5103-71-9	alpha-Chlordane	0.05	µg/L	U	0.0036 J, P	U	0.012 J, P	0.0049 J, P	U	U	U	U	U
5103-74-2	gamma-Chlordane	0.05	µg/L	U	U	0.011 J, P	U	U	U	U	U	U	U
72-54-8	4,4'-DDD	0.3	µg/L	U	0.0045 J, P	U	0.0047 J, P	U	U	U	U	U	U
72-55-9	4,4'-DDE	0.2	µg/L	U	0.017 J	U	U	0.011 J, P	0.01 J	0.0036 J	0.0028 B, J, P	U	U
50-29-3	4,4'-DDT	0.2	µg/L	U	0.0085 J, P	U	0.022 B, J, P	0.0071 J, P	0.003 J, P	0.0021 J, P	U	U	U
60-57-1	Dieldrin	0.004	µg/L	U	U	U	U	U	U	U	U	0.0037 J, P	U
959-98-8	Endosulfan I	NS	µg/L	U	U	U	U	U	U	U	U	U	U
33213-65-9	Endosulfan II	NS	µg/L	U	U	U	0.0079 J, P	0.0012 J, P	0.0012 J, P	U	U	U	U
1031-07-8	Endosulfan sulfate	NS	µg/L	U	U	0.0078 J, P	0.0023 B, J, P	U	U	0.0032 J, P	U	U	U
72-20-8	Endrin	ND	µg/L	U	U	U	0.011 J, P	U	U	0.011 J, P	U	U	U
7421-93-4	Endrin aldehyde	5	µg/L	U	U	U	0.0096 J, P	0.0037 J	0.1 J	0.0044 J	U	0.011 B, J, P	U
53494-70-5	Endrin ketone	5	µg/L	U	U	U	0.0075 J, P	U	U	U	U	U	U
76-44-8	Heptachlor	0.04	µg/L	U	U	U	U	U	U	U	U	U	U
1024-57-3	Heptachlor epoxide	0.03	µg/L	U	U	U	0.025 J	0.0041 J, P	U	U	U	0.00066 J, P	U
72-43-5	Methoxychlor	35	µg/L	U	U	U	U	U	U	U	U	U	U
	Total Pesticides			0.0011	0.0357	0.0188	0.11	0.032	0.1179	0.0278	0.0028	0.01536	0.0091
	PCBs												
12674-11-2	Aroclor-1016	Sum PCBs	µg/L	U	U	U	U	U	U	U	U	U	U
53469-21-9	Aroclor-1242	of 0.09	µg/L	U	U	U	**1.5 P**	U	U	U	U	U	U
12672-29-6	Aroclor-1248		µg/L	U	U	U	U	U	U	U	U	U	U
	Total PCBs			ND	ND	ND	1.5	ND	ND	ND	ND	ND	ND
	INORGANICS												
7429-90-5	Aluminum	NS	µg/L	618	935	329	58.9 B	331	700	202 E	170 B	24.7 B	249
7440-36-0	Antimony	3	µg/L	U	U	U	U	U	U	1.7 B	U	U	U
7440-38-2	Arsenic	25	µg/L	18.4	U	16.8	U	5.3 B	U	U	U	2.6 B	2.3 B
7440-39-3	Barium	1000	µg/L	41.3 B	40.5 B	54.1 B	68.9 B	40.6 B	18 B	32.1 B	60.3 B	137 B	117 B
7440-41-7	Beryllium	3 (G)	µg/L	U	U	U	0.13	U	U	0.31 B	U	0.13 B	0.2 B
7440-43-9	Cadmium	5	µg/L	U	U	U	0.5 B	U	U	U	U	U	U
7440-70-2	Calcium	NS	µg/L	84000	74100	134000	456000	153000	58000	151000	139000	208000	134000
7440-47-8	Chromium	50	µg/L	U	3.3 B	U	2 B	1.6 B, E	5.5 B	2.1 B	2.5 B	11.5	3.2 B, E
7440-48-4	Cobalt	NS	µg/L	U	U	U	U	U	1.4 B	U	U	U	U
7440-50-8	Copper	200	µg/L	1.8 B	3.2 B	1.2 B	U	1.8 B	6.7 B	2.6 B	3.2 B	U	6.3 B
7439-89-6	Iron	300	µg/L	**774**	**1070**	155	**463**	**411**	**1230**	**1100**	**2700**	**57300**	**7860**
7439-92-1	Lead	25	µg/L	2.2 B	U	U	1.2 B	U	U	1.4 B	U	U	U
7439-95-4	Magnesium	35000 (G)	µg/L	719 B	17600	3900 B	10700	3640 B	7320	11400	14400	**45500**	13600
7439-96-5	Manganese	300	µg/L	55.2	**525**	83.1	**357**	88.8	53.1	**368**	**370**	**2040**	**660**
7439-97-6	Mercury	0.7	µg/L	U	U	U	U	U	U	U	U	U	U
7440-02-0	Nickel	100	µg/L	3.7 B	2.3 B	U	U	2.7 B, E	5.3 B	2.4 B	2.7 B	4 B	3.6 B
7440-09-7	Potassium	NS	µg/L	16600	12600	22900	60200	26300	14400	23200 E	23600	34700	27600
7782-49-2	Selenium	10	µg/L	U	U	U	U	5.2	U	2.8 B	U	2.6 B	U
7440-22-4	Silver	50	µg/L	0.61 B	U	U	U	U	U	U	U	U	U
7440-23-5	Sodium	20000	µg/L	**25700**	13300	**24400**	**36400**	**23600 E**	8060	13700	18000	**64500**	**26300 E**
7440-28-0	Thallium	0.5 (G)	µg/L	U	**4.5 B**	U	U	U	U	U	U	U	U
7440-62-2	Vanadium	NS	µg/L	3.2 B	3 B	2.2 B	2 B	12 B, E	2.6 B	3.8 B	1.4 B	1.6 B	U
7440-66-6	Zinc	2000 (G)	µg/L	13.2 B	480	14.3 B	2.5 B	5.7 B	22.6	2.8 B	5.6 B	U	48.1
57-12-5	Cyanide	200	µg/L	U	15.9	70.5	48.9	108	U	23.6	11.1	24.5	U
	Total Inorganics			128,551	120,683	185,926	564,305	207,554	89,825	201,046	198,327	412,249	210,450

Notes:

NYSDEC June 1998 Ambient Water Quality Standards and Guidance Values for Groundwater Class GA.

Bold and shaded values exceed the NYSDEC Class GA groundwater standard/guidance value.

ND = Not Detected

NS = No Standard

(G) = Guidance Value

U = Indicates compound was analyzed for, but not detected at or above the reporting limit.

J = Result is less than the Reporting Limit but greater than or equal to the Method Detection Limit and the concentration is an approximate value.

B = Compound was found in the blank and sample.

Appendix B-3
Sump S-4
Historically Detected Compounds

Cherry Farm Sump Samples Historically Detected Compounds		NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample Source: SDG: Matrix: Sampled:	S-4 Z7445 OB 4203 Water 12/17/2002	S-4 A7427 OB 5716 Water 6/23/2003	S-4 B4293 OB 6968 Water 12/16/2003	S-4 E1191 OB 6968 Water 6/9/2004	S-4 0508015-002A OB 6968 Water 8/1/2005	S-4 0603095-005A LSL-BL 6030950 Water 3/21/2006	S-4 A7E985013 TA A07-E985 Water 12/27/2007	S-4 A8E30608 TA A08-E150 Water 11/10/2008	S-4 RSI0312-04 TA RSI0296 Water 9/9/2009	S-4 RTF0860-05 TA RTF0798 Water 6/11/2010	S-4 480-2227-4 TA 480-2185 Water 3/4/2011
CAS NO.	COMPOUND		UNITS:											
	VOLATILES													
67-64-1	Acetone	50 (G)	µg/L	2 J, B	U	U	3	3	3	U	U	U	U	U
71-43-2	Benzene	0.7	µg/L	U	U	1 J	U	0.8 J	0.9 J	U	U	0.87 J	0.68 J	0.49
75-15-0	Carbon disulfide	60 (G)	µg/L	U	U	U	U	U	U	U	U	U	U	U
75-34-3	1,1-Dichloroethane	5	µg/L	U	1 J	1 J	0.6 J	1 J	1 J	U	U	1.3	1.2	1.7
156-59-2	cis-1,2-Dichloroethene	5	µg/L	U	1 J	2 J	0.8 J	2 J	2 J	U	U	U	U	U
156-60-5	trans-1,2-Dichloroethene	5	µg/L	U	U	U	U	U	U	U	U	U	U	U
540-59-0	1,2-Dichloroethene (tota	5	µg/L	U	U	U	U	U	U	U	U	1.9 J	1.4 J	0.96 J
100-41-4	Ethylbenzene	5	µg/L	U	U	U	U	0.9	U	U	U	1.5	1.2	0.93 J
108-10-1	4-Methyl-2-pentanone	NS	µg/L	U	U	U	U	U	1 J	U	U	U	U	U
75-09-2	Methylene chloride	5	µg/L	0.9 J, B	U	1	0.7	0.9	1	U	U	U	U	U
127-18-4	Tetrachloroethene	5	µg/L	U	U	U	U	0.6 J	0.5 J	U	U	0.72 J	0.71 J	0.63 J
108-88-3	Toluene	5	µg/L	U	U	U	U	1 J	2 J	U	U	1.4	1.2	1
79-01-6	Trichloroethene	5	µg/L	U	U	U	U	U	0.8 J	U	U	0.7 J	0.55 J	0.49 J
75-01-4	Vinyl chloride	3	µg/L	U	U	U	U	U	U	U	U	U	U	U
1330-20-7	Xylene (total)	5	µg/L	0.5 J	2 J	5 J	1 J	5 J	**12**	U	U	**9.7**	**6.9**	**5.5**
	Total VOCs			3.4	4	10	6.1	15.2	24.2	ND	ND	18.09	13.84	11.7
	SEMIVOLATILES													
83-32-9	Acenaphthene	20 (G)	µg/L	U	U	U	U	U	U	U	0.2 J	U	0.93 J	1.1 J
208-96-8	Acenaphthylene	NS	µg/L	U	U	U	U	1 J	U	U	0.2 J	U	0.46 J	0.62 J
120-12-7	Anthracene	50(G)	µg/L	U	U	U	U	U	U	U	U	U	U	U
50-32-8	Benzo[a]pyrene	ND	µg/L	U	U	U	U	U	1 J	U	U	U	U	U
117-81-7	bis(2-Ethylhexyl)phthala	5	µg/L	U	U	U	U	1 J	2 J	U	U	U	U	2.5 J,B
86-74-8	Carbazole	NS	µg/L	U	U	U	U	1 J	1 J	U	0.5 J	1.3 J	1.1 J	1.1 J
59-50-7	4-Chloro-3-methylphenc	1	µg/L	**2 J**	**36**	U	**9 J**	U	U	U	U	U	U	U
84-74-2	Di-n-butyl phthalate	50	µg/L	U	U	U	U	U	U	0.3 B, J	0.5 B, J	U	0.35 J	0.80 J,B
132-64-9	Dibenzofuran	NS	µg/L	U	U	U	U	1 J	U	U	U	U	U	0.57 J
95-50-1	1,2-Dichlorobenzene	3	µg/L	U	U	U	U	U	U	U	U	U	0.48 J, B	U
541-73-1	1,3-Dichlorobenzene	3	µg/L	U	U	U	U	U	U	U	U	U	U	U
106-46-7	1,4-Dichlorobenzene	3	µg/L	U	U	U	U	U	1 J	U	U	U	U	U
84-66-2	Diethyl phthalate	50 (G)	µg/L	U	U	U	U	U	U	U	0.6 B, J	U	U	U
131-11-3	Dimethyl phthalate	50 (G)	µg/L	U	U	U	U	U	U	U	U	U	U	U
105-67-9	2,4-Dimethylphenol	1	µg/L	1 J	**3 J**	**3 J**	**11**	**39**	**46**	U	U	**21**	**5.5**	**4.8 J**
206-44-0	Fluoranthene	50 (G)	µg/L	U	U	U	U	U	U	U	U	U	U	U
86-73-7	Fluorene	50 (G)	µg/L	U	U	1 J	U	2 J	U	U	0.3 J	4.9 J	U	1.0 J
91-57-6	2-Methylnaphthalene	NS	µg/L	U	U	U	U	U	3 J	U	U	1.5 J	1.3 J	2.5 J
95-48-7	2-Methylphenol	1	µg/L	U	1 J	**2 J**	**2 J**	**13**	**14**	U	U	**7.4**	**4.3 J**	**5.9**
106-44-5	4-Methylphenol	1	µg/L	U	U	U	U	**22**	22	U	U	**11**	**7.8 J**	**11**
91-20-3	Naphthalene	10 (G)	µg/L	2 J	U	5 J	U	U	**15**	U	1 B, J	4.3 J	1.8 J	8
85-01-8	Phenanthrene	50 (G)	µg/L	U	U	1 J	U	1 J	U	U	0.3 B, J	U	0.57 J	0.74 J
108-95-2	Phenol	1	µg/L	U	U	U	U	**2 J**	**2 J**	U	U	U	U	U
129-00-0	Pyrene	50 (G)	µg/L	U	U	U	U	U	U	U	U	U	U	U
120-82-1	1,2,4-Trichlorobenzene	5	µg/L	U	U	U	U	U	U	U	U	U	U	U
95-95-4	2,4,5-Triclorophenol	1	µg/L	U	U	U	U	U	U	U	U	U	U	U
	Total SVOCs			5	40	12	22	83	107	0.3	3.6	51.4	24.59	40.63
	PESTICIDES													
309-00-2	Aldrin	ND	µg/L	U	U	U	U	U	U	U	U	U	U	U
319-84-6	alpha-BHC	0.01	µg/L	U	**0.013 J, P**	0.0091 J	U	U	U	U	U	U	U	U
319-85-7	beta-BHC	0.04	µg/L	U	U	U	U	0.0047 J, P	U	U	U	U	U	U
319-86-8	delta-BHC	0.04	µg/L	U	U	U	U	U	U	U	0.039 B, J	U	U	U
58-89-9	gamma-BHC (Lindane)	0.05	µg/L	U	U	0.012 J, P	0.0031 J, P	0.0086 J, P	0.018 J, P	0.03 J	0.042 J	0.041 J	0.028 QSU, J	U
5103-71-9	alpha-Chlordane	0.05	µg/L	U	U	U	U	U	U	0.011 J	U	U	U	U
5103-74-2	gamma-Chlordane	0.05	µg/L	U	0.0062 J, P	U	0.021 B, J, P	0.02 J, P	U	U	0.034 J	0.012 J	0.012 QSU, J	U
72-54-8	4,4'-DDD	0.3	µg/L	U	U	U	0.0099 J, P	U	U	U	0.048 J	U	U	U
72-55-9	4,4'-DDE	0.2	µg/L	U	U	U	0.013 J	0.019 J	U	0.039 J	U	0.021 J	0.018 QSU, J	U
50-29-3	4,4'-DDT	0.2	µg/L	U	0.0026 J, P	U	0.008 J	U	U	0.046 J	0.04 J	U	U	U
60-57-1	Dieldrin	0.004	µg/L	U	0.0097 J	U	**0.0045 B, J, P**	U	0.0027 J	0.023 J	U	U	U	U
959-98-8	Endosulfan I	NS	µg/L	U	0.0099 J, P	U	0.011 J, P	U	U	0.005 J	0.064	U	U	U
33213-65-9	Endosulfan II	NS	µg/L	U	0.0052 J, P	U	U	U	U	U	0.019 J	U	U	U
1031-07-8	Endosulfan sulfate	NS	µg/L	U	U	U	U	U	0.0063 J, P	U	U	U	U	U
72-20-8	Endrin	ND	µg/L	U	U	U	U	U	U	U	**0.029**	U	U	U
7421-93-4	Endrin aldehyde	5	µg/L	U	0.0081 B, J, P	U	0.013 J	U	0.0068 J, P	U	U	U	U	U
53494-70-5	Endrin ketone	5	µg/L	U	U	U	U	U	0.0023 J, P	U	U	U	U	U
76-44-8	Heptachlor	0.04	µg/L	U	0.0057 J	U	U	U	U	0.019 J	0.031	U	0.011 QSU, J	0.024 J
1024-57-3	Heptachlor epoxide	0.03	µg/L	U	U	U	U	U	U	U	U	U	U	U
72-43-5	Methoxychlor	35	µg/L	U	U	U	0.75	U	0.018 J, P	U	U	U	U	U
	Total Pesticides			ND	0.0604	0.0211	0.8335	0.0523	0.0541	0.173	0.346	0.07	0.074	0.024
	PCBs													
12674-11-2	Aroclor-1016	Sum PCBs	µg/L	U	U	U	U	U	**0.96 J**	U	U	U	**2 QSU**	**2.6**
53469-21-9	Aroclor-1242	of 0.09	µg/L	U	U	U	U	**0.95 J, P**	U	**0.46 J**	U	**3.5**	U	U
12672-29-6	Aroclor-1248		µg/L	U	U	U	**0.77 J**	U	U	U	U	U	U	U
	Total PCBs			ND	ND	ND	0.77	0.95	.96	0.46	ND	3.5	2	2.6
	INORGANICS													
7429-90-5	Aluminum	NS	µg/L	128 B	12.8 B	21.7 B	60.1 B	229	125 B	1920	42.4 B	316 B	532 CF6	620
7440-36-0	Antimony	3	µg/L	U	U	U	U	U	**3.1 B**	U	U	U	U	U
7440-38-2	Arsenic	25	µg/L	2.7 B	2.4 B	4.4 B	3.3 B	6.9 B	11.1	7.3 B	4.6 B	9.4 J	U	U
7440-39-3	Barium	1000	µg/L	17 B	51.2 B	28.8 B	20.4 B	14.1 B	13.7 B	19.3	9.6	19.3	20.8 CF6	22
7440-41-7	Beryllium	3 (G)	µg/L	U	0.1 B	U	U	U	U	0.49 B	0.52 B	U		U
7440-43-9	Cadmium	5	µg/L	U	U	U	U	U	U	U	U	U	U	U
7440-70-2	Calcium	NS	µg/L	112000	307000	196000	156000	109000	114000	34800	54000	121000 B	107,000	89,200 B
7440-47-8	Chromium	50	µg/L	U	U	U	U	U	U	2.5 B	1.6 B	1.2 J	U	1.0 J
7440-48-4	Cobalt	NS	µg/L	U	U	U	U	U	U	U	U	U	U	U
7440-50-8	Copper	200	µg/L	5.4 B	6.8 B		1.7 B	U	U	4.5 B	13	17.6	U	U
7439-89-6	Iron	300	µg/L	**456**	**1380**	**848**	275	183	**473**	**1110**	86.6	370	82	71
7439-92-1	Lead	25	µg/L	U	U	U	1.2 B	U	U	U	U	U	U	U
7439-95-4	Magnesium	35000 (G)	µg/L	10000	3520 B	3090 B	3000 B	981 B	708 B	4640	2760	1010	757	240
7439-96-5	Manganese	300	µg/L	188	**729**	**317**	**657**	28.5	28.5 E	32.2	4.2	66.4	14.9 CF6	5.5
7439-97-6	Mercury	0.7	µg/L	U	U	U	0.04 B	0.18 B	0.21	U	U	U	U	U
7440-02-0	Nickel	100	µg/L	U	U	1.8 B	2.6 B	7.2 B	2.4 B	8.7 B	4 B	4.5 J	U	2.0 J
7440-09-7	Potassium	NS	µg/L	21400	63300	51800	53400	53100	54400	11500	34500	50800	52,900	55,800
7782-49-2	Selenium	10	µg/L	3.7 B	5 B	8.7	4.6 B	2.9 B	3.8 B	10 B	U	U	U	**12 J**
7440-22-4	Silver	50	µg/L	U	U	U	U	U	U	1.3 B	U	U	U	U
7440-23-5	Sodium	20000	µg/L	15000	**46900**	**45700**	**48600**	**53600**	**52400**	5140	**24700**	**50500**	**53,500**	**51,900**
7440-28-0	Thallium	0.5 (G)	µg/L	U	U	U	U	U	U	U	U	U	U	U
7440-62-2	Vanadium	NS	µg/L	4.4 B	2.2 B	14.6 B	3.7 B	7.4 B	9.2 B	8.4	6.7	4.6	5	67
7440-66-6	Zinc	2000 (G)	µg/L	2.7 B	11.8 B	U	7 B	5.1 B	3.9 B	15.5	81.4	250	2.3 J	2.2 J
57-12-5	Cyanide	200	µg/L	16.8	29	32.2	29.5	34.8	24.2	U	U	6.3 J	16.7	U
	Total Inorganics			159,225	422,950	297,867	262,066	217,172	169,803	59,220	116,215	173,505	214,831	197,943

Notes:
NYSDEC June 1998 Ambient Water Quality Standards and Guidance Values for Gro
Bold and shaded values exceed the NYSDEC Class GA groundwater standard/guidan
ND = Not Detected
NS = No Standard
(G) = Guidance Value
U = Indicates compound was analyzed for, but not detected at or above the reporting
J = Result is less than the Reporting Limit but greater than or equal to the Method De
B = Compound was found in the blank and sample.

Appendix B-3
Sump S-4
Historically Detected Compounds

Cherry Farm Sump Samples Historically Detected Compounds		NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample Source: SDG: Matrix: Sampled:	S-4 480-14339-4 TA 480-14339 Water 12/21/2011	S-4 480-23637-4 TA 480-23637 Water 8/8/2012	S-4 480-38452-2 TA 480-38452 Water 5/16/2013
CAS NO.	COMPOUND		UNITS:			
	VOLATILES					
67-64-1	Acetone	50 (G)	µg/L	U	U	U
71-43-2	Benzene	0.7	µg/L	**0.71 J**	**0.96 J**	**0.76 J**
75-15-0	Carbon disulfide	60 (G)	µg/L	U	U	U
75-34-3	1,1-Dichloroethane	5	µg/L	1.4	1.8	1.5
156-59-2	cis-1,2-Dichloroethene	5	µg/L	U	U	U
156-60-5	trans-1,2-Dichloroethene	5	µg/L	U	U	U
540-59-0	1,2-Dichloroethene (tota	5	µg/L	1.4 J	1.7 J	1.5 J
100-41-4	Ethylbenzene	5	µg/L	1.1	1.2	1.2
108-10-1	4-Methyl-2-pentanone	NS	µg/L	U	U	U
75-09-2	Methylene chloride	5	µg/L	U	U	U
127-18-4	Tetrachloroethene	5	µg/L	0.81 J	0.98 J	0.90 J
108-88-3	Toluene	5	µg/L	1.3	1.1	1.2
79-01-6	Trichloroethene	5	µg/L	0.63 J	0.73 J	0.87 J
75-01-4	Vinyl chloride	3	µg/L	U	U	U
1330-20-7	Xylene (total)	5	µg/L	**6.5**	**6.7**	**7**
	Total VOCs			13.85	15.17	14.93
	SEMIVOLATILES					
83-32-9	Acenaphthene	20 (G)	µg/L	1.2 J	1.5 J	0.94 J
208-96-8	Acenaphthylene	NS	µg/L	0.68 J	0.70 J	0.43 J
120-12-7	Anthracene	50(G)	µg/L	U	0.93 J	U
50-32-8	Benzo[a]pyrene	ND	µg/L	U	U	U
117-81-7	bis(2-Ethylhexyl)phthala	5	µg/L	U	U	U
86-74-8	Carbazole	NS	µg/L	1.4 J	1.3 J	0.86 J
59-50-7	4-Chloro-3-methylpheno	1	µg/L	U	U	U
84-74-2	Di-n-butyl phthalate	50	µg/L	U	U	0.51 J
132-64-9	Dibenzofuran	NS	µg/L	0.58 J	0.75 J	0.53 J
95-50-1	1,2-Dichlorobenzene	3	µg/L	U	U	0.85 J
541-73-1	1,3-Dichlorobenzene	3	µg/L	U	U	0.51 J
106-46-7	1,4-Dichlorobenzene	3	µg/L	0.47 J	U	1.9 J
84-66-2	Diethyl phthalate	50 (G)	µg/L	U	U	U
131-11-3	Dimethyl phthalate	50 (G)	µg/L	0.77 J	U	1.9 J
105-67-9	2,4-Dimethylphenol	1	µg/L	**21**	**18**	**28**
206-44-0	Fluoranthene	50 (G)	µg/L	U	0.73 J	U
86-73-7	Fluorene	50 (G)	µg/L	0.77 J	1.3 J	0.78 J
91-57-6	2-Methylnaphthalene	NS	µg/L	3.0 J	2.7 J	2.8 J
95-48-7	2-Methylphenol	1	µg/L	**12**	13	**9.4**
106-44-5	4-Methylphenol	1	µg/L	**22**	24	**19**
91-20-3	Naphthalene	10 (G)	µg/L	**11**	9.9	**12**
85-01-8	Phenanthrene	50 (G)	µg/L	U	0.95 J	0.74 J
108-95-2	Phenol	1	µg/L	U	U	U
129-00-0	Pyrene	50 (G)	µg/L	U	0.53 J	U
120-82-1	1,2,4-Trichlorobenzene	5	µg/L	0.52 J	U	0.54 J
95-95-4	2,4,5-Triclorophenol	1	µg/L	0.66 J	U	0.52 J
	Total SVOCs			76.05	76.29	82.21
	PESTICIDES					
309-00-2	Aldrin	ND	µg/L	U	U	U
319-84-6	alpha-BHC	0.01	µg/L	U	U	U
319-85-7	beta-BHC	0.04	µg/L	U	U	U
319-86-8	delta-BHC	0.04	µg/L	U	U	**0.076**
58-89-9	gamma-BHC (Lindane)	0.05	µg/L	U	U	0.025 J
5103-71-9	alpha-Chlordane	0.05	µg/L	U	U	U
5103-74-2	gamma-Chlordane	0.05	µg/L	U	U	0.013 J
72-54-8	4,4'-DDD	0.3	µg/L	U	U	U
72-55-9	4,4'-DDE	0.2	µg/L	U	U	0.023 J
50-29-3	4,4'-DDT	0.2	µg/L	U	U	0.022 J
60-57-1	Dieldrin	0.004	µg/L	U	U	**0.011 J**
959-98-8	Endosulfan I	NS	µg/L	U	U	U
33213-65-9	Endosulfan II	NS	µg/L	U	U	U
1031-07-8	Endosulfan sulfate	NS	µg/L	U	U	U
72-20-8	Endrin	ND	µg/L	U	U	U
7421-93-4	Endrin aldehyde	5	µg/L	U	U	U
53494-70-5	Endrin ketone	5	µg/L	U	U	U
76-44-8	Heptachlor	0.04	µg/L	U	U	0.022 J
1024-57-3	Heptachlor epoxide	0.03	µg/L	U	U	U
72-43-5	Methoxychlor	35	µg/L	U	U	U
	Total Pesticides			ND	ND	0.192
	PCBs					
12674-11-2	Aroclor-1016	Sum PCBs	µg/L	**2.7**	**1.7**	U
53469-21-9	Aroclor-1242	of 0.09	µg/L	U	U	**2.2**
12672-29-6	Aroclor-1248		µg/L	U	U	U
	Total PCBs			2.7	1.7	1.7
	INORGANICS					
7429-90-5	Aluminum	NS	µg/L	460	500	460
7440-36-0	Antimony	3	µg/L	U	U	U
7440-38-2	Arsenic	25	µg/L	U	8.8 J	6.1 J
7440-39-3	Barium	1000	µg/L	30	23 B	30
7440-41-7	Beryllium	3 (G)	µg/L	U	U	U
7440-43-9	Cadmium	5	µg/L	U	U	U
7440-70-2	Calcium	NS	µg/L	98,000 B	93,200	111,000
7440-47-8	Chromium	50	µg/L	13	U	U
7440-48-4	Cobalt	NS	µg/L	U	U	U
7440-50-8	Copper	200	µg/L	U	2.2 J	U
7439-89-6	Iron	300	µg/L	**370**	720	130
7439-92-1	Lead	25	µg/L	U	U	U
7439-95-4	Magnesium	35000 (G)	µg/L	1,000	970	900
7439-96-5	Manganese	300	µg/L	27	100	49 B
7439-97-6	Mercury	0.7	µg/L	U	U	U
7440-02-0	Nickel	100	µg/L	8.5 J	U	1.3 J
7440-09-7	Potassium	NS	µg/L	51,300	51,200	59,100
7782-49-2	Selenium	10	µg/L	U	U	U
7440-22-4	Silver	50	µg/L	U	U	U
7440-23-5	Sodium	20000	µg/L	**51,000**	**50,400**	**57,000**
7440-28-0	Thallium	0.5 (G)	µg/L	U	U	U
7440-62-2	Vanadium	NS	µg/L	22	11	11
7440-66-6	Zinc	2000 (G)	µg/L	2.9 J	3.6 J	U
57-12-5	Cyanide	200	µg/L	37	U	26
	Total Inorganics			202,270	197,139	228,673

Notes:
NYSDEC June 1998 Ambient Water Quality Standards and Guidance Values for Gro
Bold and shaded values exceed the NYSDEC Class GA groundwater standard/guidan
ND = Not Detected
NS = No Standard
(G) = Guidance Value
U = Indicates compound was analyzed for, but not detected at or above the reporting
J = Result is less than the Reporting Limit but greater than or equal to the Method De
B = Compound was found in the blank and sample.

APPENDIX B-4
Historically Detected Compounds
(Surface Water, 1997-2013)

Appendix B-4
Surface Water Collection SW-1 Historically Detected Compounds

Cherry Farm Surface Water Historically Detected Compounds		NYSDEC Class A Surface Water Standards/ Guideline Values	Sample ID: Lab Sample Source: SDG: Matrix: Sampled:	SW-1 G5192 OBG 5116 Water 11/21/1997	SW-1 H0921 OBG 6847 Water 2/18/1998	SW-1 H7401 OBG 7810 Water 5/28/1998	SW-1 M0192 OBG 1489 Water 4/20/1999	SW-1 A9751102 OBG 11090 Water 11/9/1999	SW-1 R7147 OBG 7645 Water 12/13/2000	SW-1 T7110 OBG 764 Water 12/13/2001	SW-1 Z7446 OB 4203 Water 12/17/2002	SW-1 B4289 OB 6968 Water 12/16/2003	SW-1 E1194 OB 6968 Water 6/9/2004	SW-1 0603095-001A LSL-BL 6030950 Water 3/21/2006	SW-1 A7E985015 BM A07-E985 Water 12/27/2007
CAS NO.	COMPOUND		UNITS:												
	VOLATILES														
67-64-1	Acetone	50 (G)	µg/L	U	U	U	U	U	U	U	2 J, B	U	4 J, B	2 J, B	U
75-15-0	Carbon disulfide	60 (G)	µg/L	U	U	U	5 J	U	U	U	U	U	U	U	U
75-09-2	Methylene chloride	5	µg/L	U	U	U	U	U	U	0.6 J, B	0.8 J, B	2 J, B	0.7 J, B	1 J, B	U
1330-20-7	Xylene (total)	5	µg/L	U	U	U	U	U	2 J	U	U	U	U	U	U
	Total VOCs			ND	ND	ND	5	ND	2	0.6	2.8	2	4.7	3	ND
	SEMIVOLATILES														
117-81-7	bis(2-Ethylhexyl)phthala	5	µg/L	U	U	1 J	U	U	4 J	U	U	U	U	U	U
84-74-2	Di-n-butyl phthalate	50	µg/L	U	U	U	U	U	U	U	U	U	U	U	0.3 J, B
	Total SVOCs			ND	ND	1	ND	ND	4	ND	ND	ND	ND	ND	0.3
	PESTICIDES														
319-84-6	alpha-BHC	0.01	µg/L	0.0031 J, P	0.0068 J	U	0.0083 J, P, B		0.006 J	U	U	U	U	U	U
319-85-7	beta-BHC	0.04	µg/L	U	U	U	U	U	0.0087 J, P	U	U	0.02 J	U	U	U
319-86-8	delta-BHC	0.04	µg/L	U	U	U	U	U	U	U	U	U	U	0.0017 J, P, B	U
72-54-8	4,4'-DDD	0.3	µg/L	0.0022 J, P	U	U	0.002 J	U	0.0031 J, P	U	U	U	U	0.0019 J, P	U
72-55-9	4,4'-DDE	0.2	µg/L	0.021 J	0.0019 J, P	0.0032 J, P	U	U	U	U	U	U	U	U	U
50-29-3	4,4'-DDT	0.2	µg/L	0.1 J, P	U	U	U	U	U	U	U	U	U	U	U
60-57-1	Dieldrin	0.004	µg/L	U	U	0.0016 J, P	0.00096 J, P	U	0.0038 J, P	0.0016 J, P, B	U	U	U	0.0027 J, P	U
33213-65-9	Endosulfan II	NS	µg/L	U	0.0059 J	U	0.00052 J, P	U	U	U	U	U	U	U	U
1031-07-8	Endosulfan sulfate	NS	µg/L	U	U	0.001 J, P	0.0018 J, P	U	U	U	U	U	U	U	U
72-20-8	Endrin	0.2	µg/L	U	U	0.0017 J, P	0.00056 J, P	U	0.0032 J, P	U	U	U	U	U	U
7421-93-4	Endrin aldehyde	5 (G)	µg/L	U	0.0059 J, P	U	U	U	U	0.01 J, P, B	U	U	U	U	U
58-89-9	gamma-BHC (Lindane)	0.05	µg/L	U	0.0023 J	0.0019 J, P, B	U	U	U	U	U	U	U	U	0.03 J
5103-74-2	gamma-Chlordane	0.05	µg/L	U	U	0.0026 J, P	0.0048 J, P, B	U	U	U	U	U	0.0033 J, P, B	0.0042 J, P	0.012 J
72-43-5	Methoxychlor	35	µg/L	U	U	U	U	U	0.061 J, P, B	U	U	U	U	U	U
	Total Pesticides			0.1263	0.0228	0.012	0.01894	ND	0.0858	0.0116	ND	0.02	0.0033	0.0105	0.042
	PCBs														
	None Detected														
	Total SVOCs			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	INORGANICS														
7429-90-5	Aluminum	NS	µg/L	263	2630	73.6 B	153 B	315	380 E	127 B	157 B	152 B	528	72.6 B	1180
7440-36-0	Antimony	3	µg/L	U	U	2.9 B	**8.3 B**	U	**3.4 B**	U	U	2.6 B	U	2.7 B	U
7440-38-2	Arsenic	25	µg/L	U	U	7.2 B	5.2 B	8.9 B	5 B	5.3 B	6.3 B	3.4 B	8.3 B	4.6 B	5.6 B
7440-39-3	Barium	1000	µg/L	12.2 B	33.9 B	26 B	50.3 B	51.4 B	37.6 B	46.1 B	34.5 B	40.6 B	46.1 B	45 B	40.5
7440-41-7	Beryllium	3 (G)	µg/L	U	0.08 B	U	U	U	0.27 B	0.1 B	U	U	U	U	0.47 B
7440-70-2	Calcium	NS	µg/L	34600	68900	134000	189000	152000	125000	192000	138000	152000	137000	146000	132000
7440-47-8	Chromium	50	µg/L	2.6 B	7.4 B	U	8.7 B	U	10.3	7.6 B	6 B	4.1 B	4.4 B	2.9 B	2.8 B
7440-48-4	Cobalt	5	µg/L	U	U	U	U	U	U	1.1 B	U	U	U	U	U
7440-50-8	Copper	200	µg/L	3.4 B	8.1 B	U	3.6 B	4.3 B	2.5 B	1.9 B	3.2 B	U	1.1 B	1.5 B	U
7439-89-6	Iron	300	µg/L	300	**2030**	**352**	223	282	**473**	**305**	239	188	**1070**	81.9 B	172
7439-92-1	Lead	50	µg/L	U	10.2	U	U	U	2.3 B	U	U	U	2 B	U	U
7439-95-4	Magnesium	35000 (G)	µg/L	11000	19200	**57900**	**53200**	**40400**	29800	**56300**	**38900**	38400	**48800**	**41000**	31900
7439-96-5	Manganese	300	µg/L	6.4 B	70.5	220	71.6	39.8	93	48.7	12.8 B	7.8 B	**541**	8.3 B, E	8.9
7439-97-6	Mercury	0.7	µg/L	1.2 B	3.6 B	2.3 B	3.2 B	3.6 B	3.1 B	4.7 B	U	1.5 B	0.04 B	0.011 B	U
7440-02-0	Nickel	100	µg/L	4330 B	9890	76900	66300	46700	29200 E	59600	28800	28500	4.2 B	2.2 B	U
7440-09-7	Potassium	NS	µg/L	4.4 B	U	U	U	9.8	2.4 B	2.6 B	3.3 B	3.8 B	50800	32600	24400
7782-49-2	Selenium	10	µg/L	U	U	U	U	U	U	U	1.5 B	U	U	3.6 B	**10.3 B**
7440-22-4	Silver	50	µg/L	6090	**30400**	**134000**	**133000**	**79400**	**93600**	**99300**	**82700**	67700	U	U	U
7440-23-5	Sodium	20000	µg/L	6090	**30400**	**134000**	**133000**	79400	93600	99300	82700	67700	**106000**	**112000**	**92200**
7440-62-2	Vanadium	NS	µg/L	1.2 B	6.4 B	1.2 B	9.9 B	U	2.9 B	2.7 B	4.3 B	2.3 B	3.4 B	U	3.4 B
7440-66-6	Zinc	2000 (G)	µg/L	6.5 B	29.9	9.3 B	23.7	15.8 B	15.4 B	15.9 B	15.5 B	5.3 B	12.3 B	5.6 B	6.1 B
57-12-5	Cyanide	200	µg/L	U	U	U	U	U	U	U	U	U	U	3.6 B	U
	Total Inorganics			62,711	163,620	537,495	575,061	398,631	372,231	507,069	371,583	354,711	344,821	178,744	281,930

Notes:
NYSDEC June 1998 Ambient Water Quality Standards and Guidance Values for Groundwater Class GA.
Bold and shaded values exceed the NYSDEC Class GA groundwater standard/guidance value.
NS = No Standard
(G) = Guidance Value
U = Indicates compound was analyzed for, but not detected at or above the reporting limit.
B (organics) = The analyte was found in the associated blank, as well as in the sample
J or B (inorganics) = Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
J (organics) = Indicates an estimated value

Appendix B-4
Surface Water Collection SW-2 and SW-3
Historically Detected Compounds

Cherry Farm Surface Water Historically Detected Compounds		NYSDEC Class A Surface Water Standards/ Guideline Values	Sample ID: Lab Sample Source: SDG: Matrix: Sampled:	SW-2 G5193 OBG 5116 Water 11/21/1997	SW-3 G5117 OBG 5116 Water 11/20/1997	SW-3 N4876 OBG 3856 Water 11/9/1999	SW-3 Q3847 OBG 5490 Water 4/26/2000
CAS NO.	COMPOUND		UNITS:				
	VOLATILES						
67-64-1	Acetone	50 (G)	µg/L	2 J	U	U	U
	Total VOCs			2	ND	ND	ND
	SEMIVOLATILES						
	None Detected						
	Total SVOCs			ND	ND	ND	ND
	PESTICIDES						
309-00-2	Aldrin	0.022 (G)	µg/L	U	U	U	0.0017 J, P
319-84-6	alpha-BHC	0.01	µg/L	U	U	U	U
319-85-7	beta-BHC	0.04	µg/L	U	U	U	U
319-86-8	delta-BHC	0.04	µg/L	U	U	U	U
72-54-8	4,4'-DDD	0.3	µg/L	U	U	0.0015 J, P	0.0014 J, P
72-55-9	4,4'-DDE	0.2	µg/L	0.0043 J, P	U	U	U
50-29-3	4,4'-DDT	0.2	µg/L	0.0014 J, P	U	U	U
60-57-1	Dieldrin	0.004	µg/L	U	U	**0.0064 J, P**	U
33213-65-9	Endosulfan II	NS	µg/L	U	U	0.0013 J, P	U
1031-07-8	Endosulfan sulfate	NS	µg/L	U	U	0.0021 J, P	U
72-20-8	Endrin	0.2	µg/L	U	U	0.0018 J, P	U
7421-93-4	Endrin aldehyde	5 (G)	µg/L	U	U	0.0016 J, P	U
58-89-9	gamma-BHC (Lindane)	0.05	µg/L	U	U	U	U
5103-74-2	gamma-Chlordane	0.05	µg/L	U	U	U	U
72-43-5	Methoxychlor	35	µg/L	U	0.012 J	U	U
	Total Pesticides			0.0057	0.012	0.0147	0.0031
	PCBs						
	None Detected						
	Total PCBs			ND	ND	ND	ND
	INORGANICS						
7429-90-5	Aluminum	NS	µg/L	687	358	271	203
7440-38-2	Arsenic	25	µg/L	U	U	5 B	5.1 B
7440-39-3	Barium	1000	µg/L	20 B	25.8 B	44.3 B	35.5 B
7440-70-2	Calcium	NS	µg/L	38100	131000	153000	130000
7440-47-8	Chromium	50	µg/L	3 B	8.1 B	5.3 B, E	7.1 B
7440-50-8	Copper	200	µg/L	5.3 B	2.9 B	4 B	3.1 B
7439-89-6	Iron	300	µg/L	**1080**	**559**	**379**	291
7439-92-1	Lead	50	µg/L	4.6	U	U	U
7439-95-4	Magnesium	35000 (G)	µg/L	10200	31800	**38700**	**40300**
7439-96-5	Manganese	300	µg/L	25.1	56	18.5	23.4
7439-97-6	Mercury	0.7	µg/L	**2.3 B**	**3 B**	**3.9 B, E**	U
7440-02-0	Nickel	100	µg/L	**1040 B**	**24700**	**39200**	**31000**
7440-09-7	Potassium	NS	µg/L	U	4.2 B	3.9 B	U
7782-49-2	Selenium	10	µg/L	0.9 B	U	U	U
7440-22-4	Silver	50	µg/L	**3980 B**	**95400**	**84600 E**	**89800**
7440-23-5	Sodium	20000	µg/L	3980 B	95400	**84600 E**	**89800**
7440-62-2	Vanadium	NS	µg/L	2.2 B	3.5 B	3.5 B, E	2.6 B
7440-66-6	Zinc	2000 (G)	µg/L	26.2	12.1 B	41.2	14 B
57-12-5	Cyanide	200	µg/L	U	138	U	U
	Total Inorganics			59,157	379,471	400,880	381,485

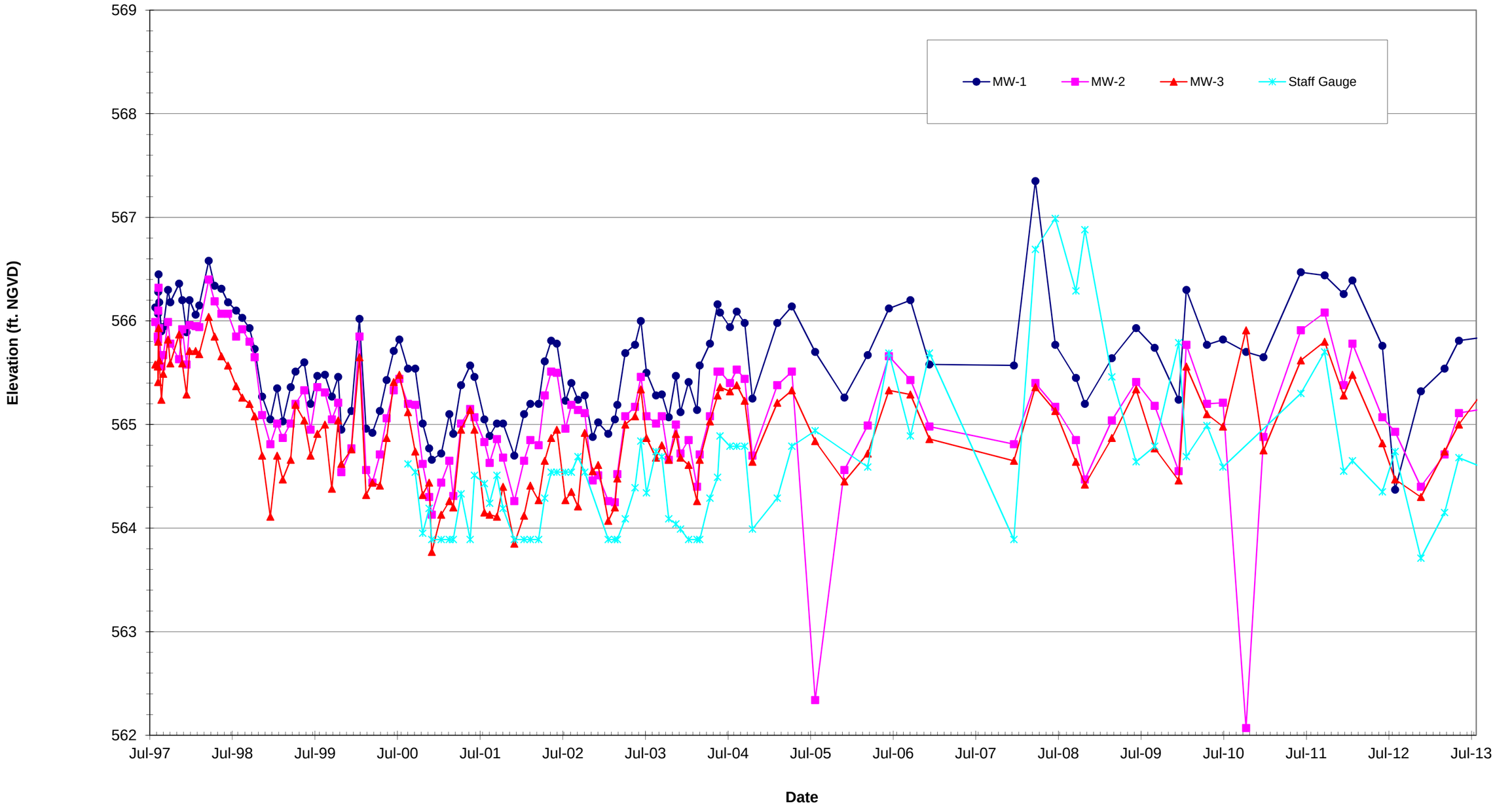
Notes:
NYSDEC June 1998 Ambient Water Quality Standards and Guidance Values for Groundwater Class GA
Bold and shaded values exceed the NYSDEC standard/guidance value
NS = No Standard
(G) = Guidance Value
U = Indicates compound was analyzed for, but not detected at or above the reporting limi
B (organics) = The analyte was found in the associated blank, as well as in the sampl
J or B (inorganics) = Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation lim
J (organics) = Indicates an estimated value

APPENDIX B-5
Historical Hydrographs
(Monitoring Wells, 1997-2013)

Appendix B-5

Historical Hydrograph

MW-1, MW-2, MW-3, and Staff Gauge

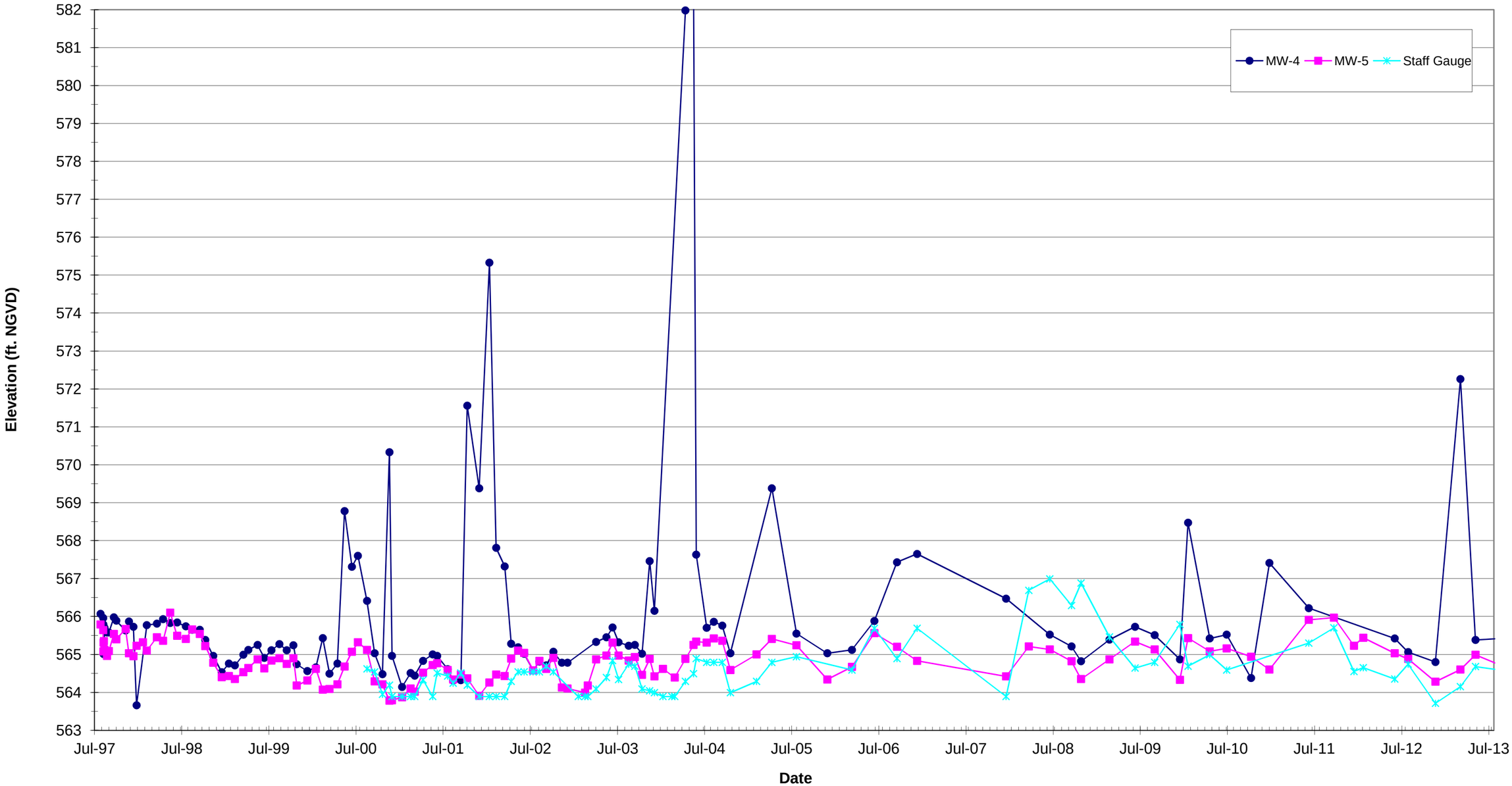


NGVD-National Geodetic Vertical Datum

Appendix B-5

Historical Hydrograph

MW-4, MW-5, and Staff Gauge

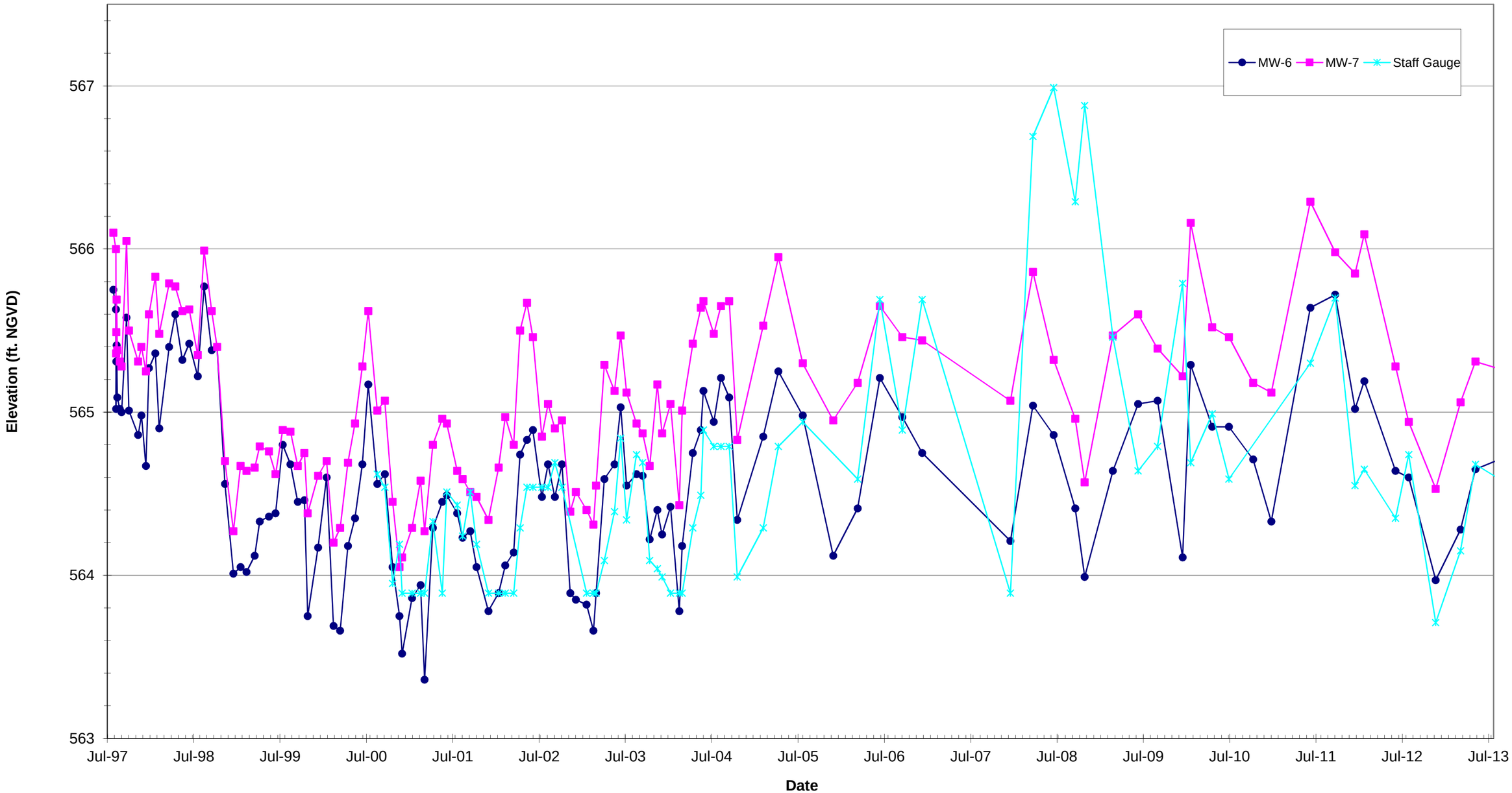


NGVD-National Geodetic Vertical Datum

Appendix B-5

Historical Hydrograph

MW-6, MW-7, and Staff Gauge

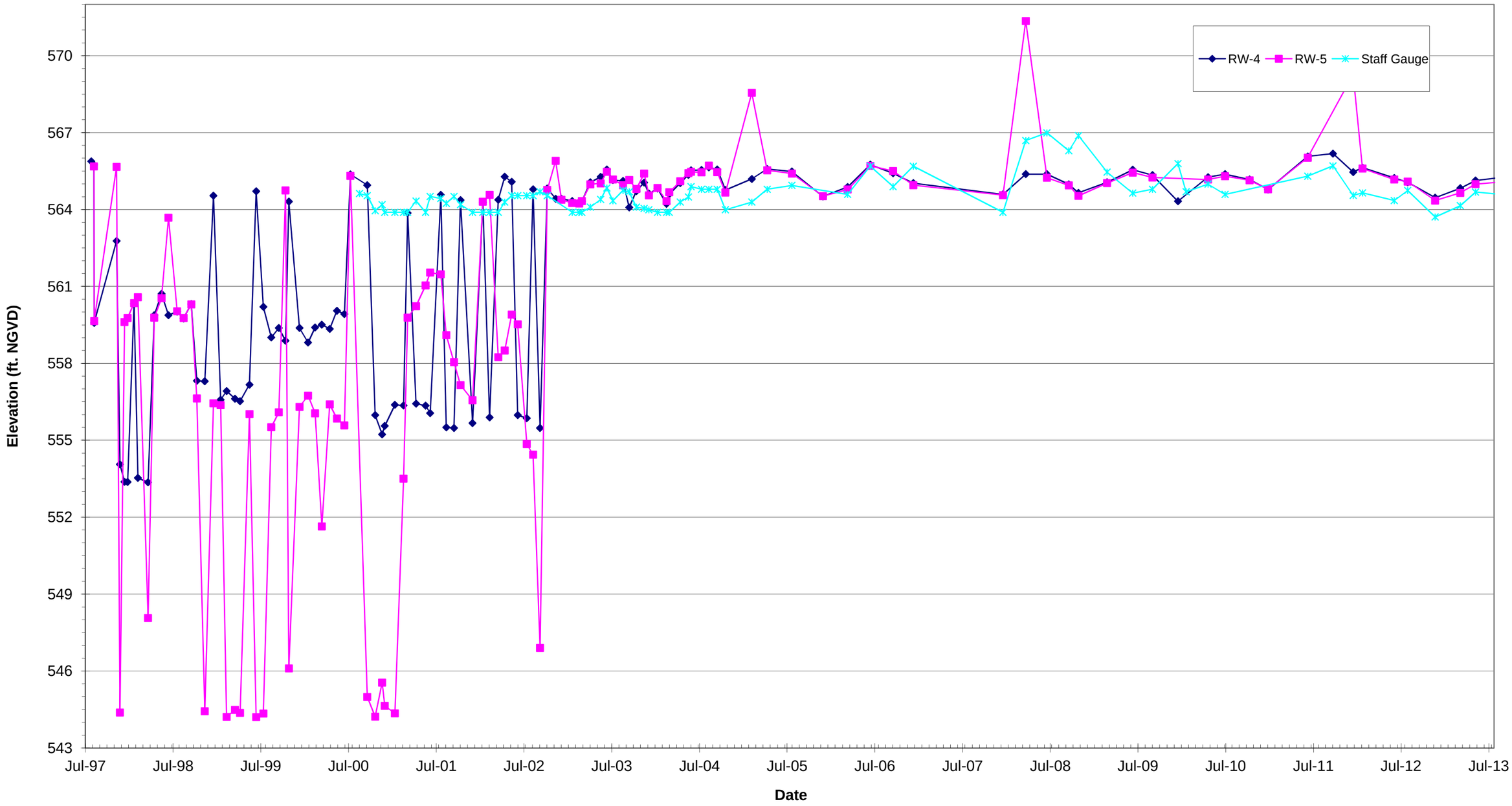


NGVD-National Geodetic Vertical Datum

Appendix B-5

Historical Hydrograph

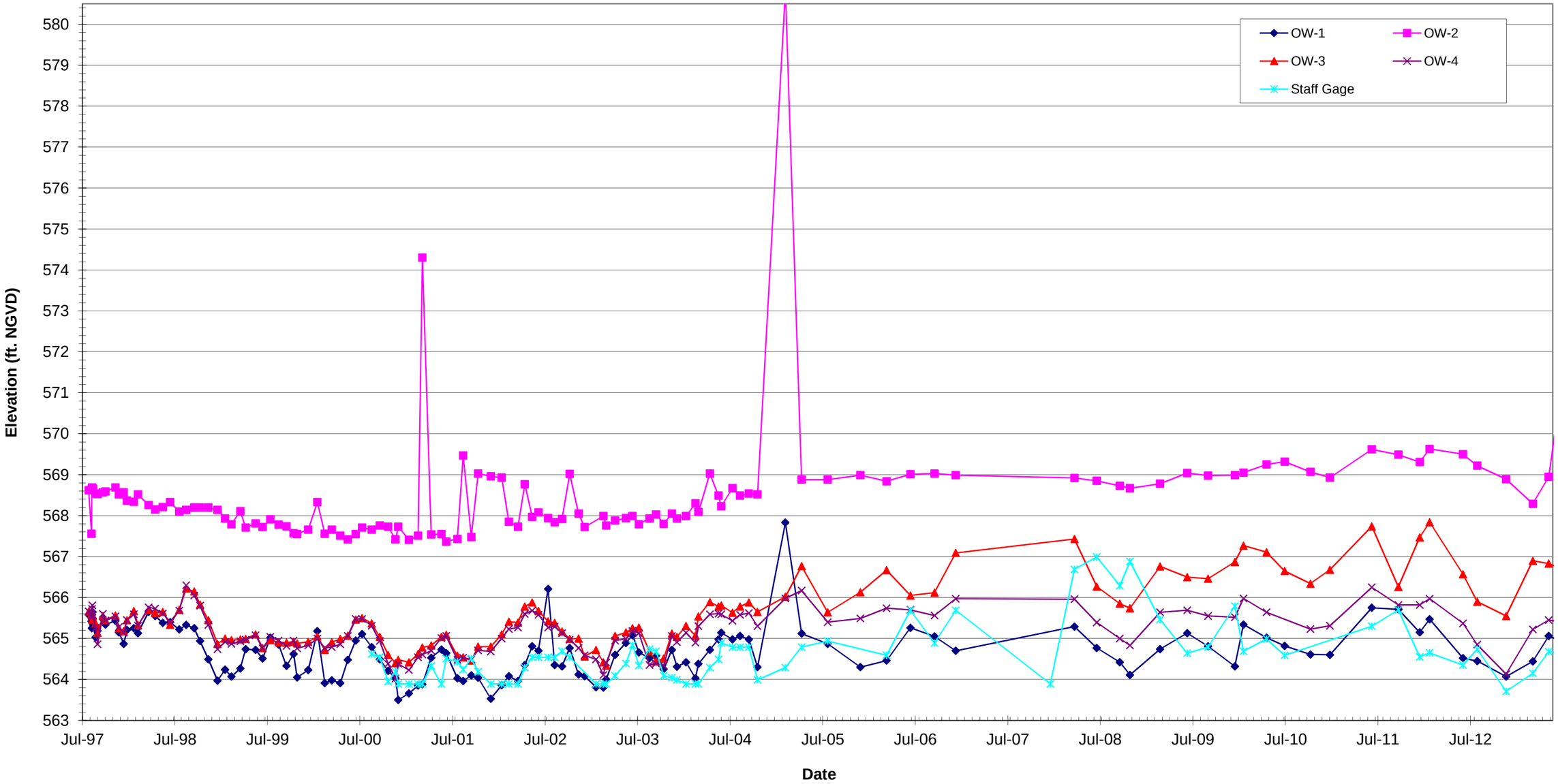
RW-4, RW-5, and Staff Gauge



NGVD-National Geodetic Vertical Datum

APPENDIX B-6
Historical Hydrographs
(Sumps and Observation Wells, 1997-2013)

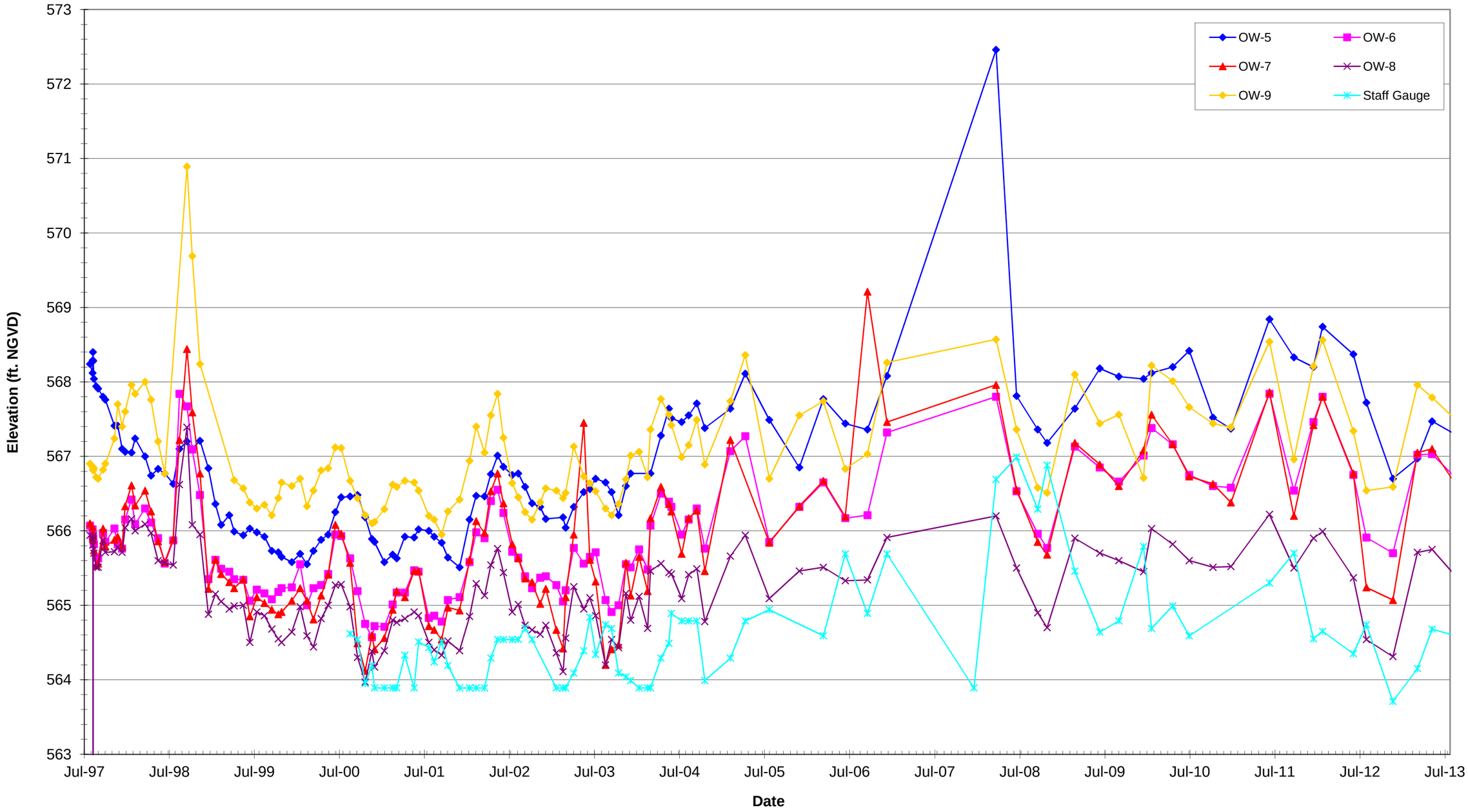
Appendix B-6
Historical Hydrograph
OW-1, OW-2, OW-3, OW-4,
and Staff Gauge



NGVD-National Geodetic Vertical Datum

Appendix B-6

Historical Hydrograph
OW-5, OW-6, OW-7, OW-8, OW-9,
and Staff Gauge

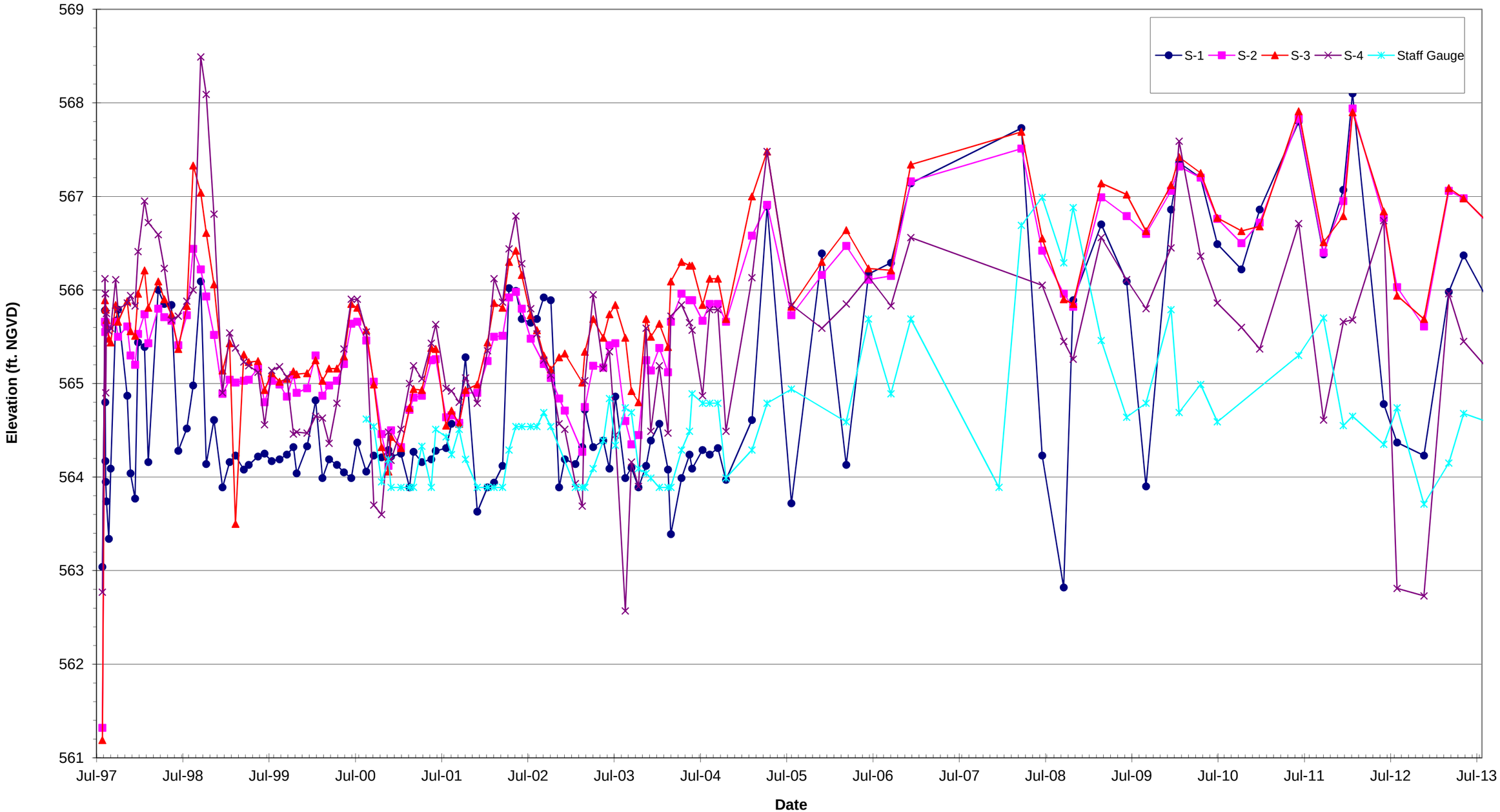


NGVD-National Geodetic Vertical Datum

Appendix B-6

Historical Hydrograph

S-1, S-2, S-3, S-4, and Staff Gauge



NGVD-National Geodetic Vertical Datum

APPENDIX C
Groundwater Sampling Logs

WELL SAMPLING RECORD

Site Name: Cherry Farm Well ID: MW-1

Samplers: MR, TP

Total Well Depth (TOC)	40.50	feet
Initial Static Water Level (TOC)	11.87	feet
Well Diameter	2	inches

Purging Data

Method: Grab Date/Time: 5/13 0915

Water Volume = (Total Depth of Well - Depth To Water) x Casing Volume per Foot

Well depth	DTW	Casing Vol. per foot	Water Volume
40.50	11.87	0.16	4.6 gallons

Casing Volumes (gal/ft.):					
1-inch	0.041	4-inch	0.64	10-inch	4
2-inch	0.16	6-inch	1.4		
3-inch	0.36	8-inch	2.5		

Volume of Purge Water Removed: 14 gallons

Sampling Data

Method: Grab Date/Time: 5/15/13 1445

Parameters	Bottle	Preservation	Method
VOC's	40 ml	1:1 HCl	Grab
Semi Volatiles	Liter	None	Grab
PCB's	Liter	None	Grab

Field Parameters

	0 Volume	1 Volume	2 Volume	3 Vol/Sample
pH	7.36	7.40	7.39	7.40
Temp. (°F) ms	13.95	14.83	15.22	15.04
Spec. Cond. (uS/cm)	1.15	1.12	1.11	1.11
Turbidity (NTU)	450	367	557	529

Comments:

WELL SAMPLING RECORD

Site Name: Cherry Farm Well ID: MW-2

Samplers: MVC, TP

Total Well Depth (TOC)	42.35	feet
Initial Static Water Level (TOC)	14.65	feet
Well Diameter	2	inches

Purging Data

Method: Grab Date/Time: 5/15/13 0850

Water Volume = (Total Depth of Well - Depth To Water) x Casing Volume per Foot

Well depth	DTW	Casing Vol. per foot	Water Volume
42.35	14.65	0.16	4.67 gallons

Casing Volumes (gal/ft.):					
1-inch	0.041	4-inch	0.64	10-inch	4
2-inch	0.16	6-inch	1.4		
3-inch	0.36	8-inch	2.5		

Volume of Purge Water Removed: 14 gallons

Sampling Data

Method: Grab Date/Time: 5/15/13 1430

Parameters	Bottle	Preservation	Method
VOC's	40 ml	1:1 HCl	Grab
Semi Volatiles	Liter	None	Grab
PCB's	Liter	None	Grab

Field Parameters

	0 Volume	1 Volume	2 Volume	3 Vol/Sample
pH	7.53	7.42	7.46	7.45
Temp. (°F)	14.63	14.79	15.00	15.28
Spec. Cond. (mS/cm)	.894	1.13	1.14	1.14
Turbidity (NTU)	45.3	185	189	380

Comments:

WELL SAMPLING RECORD

Site Name: Cherry Farm Well ID: MW-3

Samplers: MP, TP

Total Well Depth (TOC)	31.30	feet
Initial Static Water Level (TOC)	6.16	feet
Well Diameter	2	inches

Purging Data

Method: Grab Date/Time: 5/15/13 0930

Water Volume = (Total Depth of Well - Depth To Water) x Casing Volume per Foot

Well depth	DTW	Casing Vol. per foot	Water Volume
31.30	6.16	0.16	4

gallons

Casing Volumes (gal/ft.):					
1-inch	0.041	4-inch	0.64	10-inch	4
2-inch	0.16	6-inch	1.4		
3-inch	0.36	8-inch	2.5		

Volume of Purge Water Removed: 12 gallons

Sampling Data

Method: Grab Date/Time: 5/15/13 1500

Parameters	Bottle	Preservation	Method
VOC's	40 ml	1:1 HCl	Grab
Semi Volatiles	Liter	None	Grab
PCB's	Liter	None	Grab

Field Parameters

	0 Volume	1 Volume	2 Volume	3 Vol/Sample
pH	7.48	7.41	7.35	7.36
Temp. (°F)	13.03	11.90	12.62	12.24
Spec. Cond. (uS/cm)	.782	.773	.736	.739
Turbidity (NTU)	95.2	114	38.3	28.1

Comments:

WELL SAMPLING RECORD

Site Name: Cherry Farm Well ID: MW-4

Samplers: MR, TP

Total Well Depth (TOC)	49.83	feet
Initial Static Water Level (TOC)	18.45	feet
Well Diameter	2	inches

Purging Data

Method: Grab Date/Time: 5/15/13 1010

Water Volume = (Total Depth of Well - Depth To Water) x Casing Volume per Foot

Well depth	DTW	Casing Vol. per foot	Water Volume
49.83	18.45	0.16	5

gallons

Casing Volumes (gal/ft.):					
1-inch	0.041	4-inch	0.64	10-inch	4
2-inch	0.16	6-inch	1.4		
3-inch	0.36	8-inch	2.5		

Volume of Purge Water Removed: 15 gallons

Sampling Data

Method: Grab Date/Time: 5/15/13 1515

Parameters	Bottle	Preservation	Method
VOC's	40 ml	1:1 HCl	Grab
Semi Volatiles	Liter	None	Grab
PCB's	Liter	None	Grab

Field Parameters

	0 Volume	1 Volume	2 Volume	3 Vol/Sample
pH	7.49	7.51	7.51	7.53
Temp. (°F) MS	13.50	13.13	12.80	12.84
Spec. Cond. (uS/cm)	.457	.443	.445	.463
Turbidity (NTU)	12.4	26.1	26.0	16.2

Comments:

GES

WELL SAMPLING RECORD

Site Name: Cherry Farm Well ID: MW-5

Samplers: MV, TP

Total Well Depth (TOC)	49.40	feet
Initial Static Water Level (TOC)	19.15	feet
Well Diameter	2	inches

Purging Data

Method: Grab Date/Time: 5/15/13 1030

Water Volume = (Total Depth of Well - Depth To Water) x Casing Volume per Foot

Well depth	DTW	Casing Vol. per foot	Water Volume
49.40	19.15	0.16	4.8 gallons

Casing Volumes (gal/ft.):					
1-inch	0.041	4-inch	0.64	10-inch	4
2-inch	0.16	6-inch	1.4		
3-inch	0.36	8-inch	2.5		

Volume of Purge Water Removed: 15 gallons

Sampling Data

Method: Grab Date/Time: 5/15/13 1530

Parameters	Bottle	Preservation	Method
VOC's	40 ml	1:1 HCl	Grab
Semi Volatiles	Liter	None	Grab
PCB's	Liter	None	Grab

Field Parameters

	0 Volume	1 Volume	2 Volume	3 Vol/Sample
pH	7.76	7.62	7.45	7.39
Temp. (°F)	13.16	13.53	13.26	13.30
Spec. Cond. (µS/cm)	.664	.696	.736	.750
Turbidity (NTU)	23.6	50.0	20.1	14.7

Comments:

WELL SAMPLING RECORD

Site Name: Cherry Farm | Well ID: MW-6

Samplers: MVR, TVP

Total Well Depth (TOC)	50.80	feet
Initial Static Water Level (TOC)	21.05	feet
Well Diameter	2	inches

Purging Data

Method: Grab | Date/Time: 5/15/13 1045

Water Volume = (Total Depth of Well - Depth To Water) x Casing Volume per Foot

Well depth	DTW	Casing Vol. per foot	Water Volume
50.80	21.05	0.16	4.75 gallons

Casing Volumes (gal/ft.):					
1-inch	0.041	4-inch	0.64	10-inch	4
2-inch	0.16	6-inch	1.4		
3-inch	0.36	8-inch	2.5		

Volume of Purge Water Removed: _____ gallons

Sampling Data

Method: Grab | Date/Time: 5/15/13 1545

Parameters	Bottle	Preservation	Method
VOC's	40 ml	1:1 HCl	Grab
Semi Volatiles	Liter	None	Grab
PCB's	Liter	None	Grab

Field Parameters

	0 Volume	1 Volume	2 Volume	3 Vol/Sample
pH	7.45	7.28	7.29	7.30
Temp. (°F)	13.72	13.76	13.66	13.71
Spec. Cond. (uS/cm)	.679	.711	.721	.722
Turbidity (NTU)	14.4	13.7	7.8	6.9

Comments:

WELL SAMPLING RECORD

Site Name: Cherry Farm Well ID: MW-7

Samplers: M Rhodes, T Palmer

Total Well Depth (TOC)	45.45	feet
Initial Static Water Level (TOC)	21.09	feet
Well Diameter	2	inches

Purging Data

Method: Grab Date/Time: 5/15/13 0830

Water Volume = (Total Depth of Well - Depth To Water) x Casing Volume per Foot

Well depth	DTW	Casing Vol. per foot	Water Volume
45.45	21.09	0.16	3.89

gallons

Casing Volumes (gal/ft.):					
1-inch	0.041	4-inch	0.64	10-inch	4
2-inch	0.16	6-inch	1.4		
3-inch	0.36	8-inch	2.5		

Volume of Purge Water Removed: 12 gallons

Sampling Data

Method: Grab Date/Time: 5/15/13 1415

Parameters	Bottle	Preservation	Method
VOC's	40 ml	1:1 HCl	Grab
Semi Volatiles	Liter	None	Grab
PCB's	Liter	None	Grab

Field Parameters

	0 Volume	~~1 Volume~~	2 Volume	3 Vol/Sample
pH	6.57	6.50	7.00	7.12
Temp. (°F)	13.53	13.51	13.54	13.53
Spec. Cond. (mS/cm)	.660	.589	.798	.864
Turbidity (NTU)	23.1	31.1	19.9	12.6

Comments:

WELL SAMPLING RECORD

Site Name: Cherry Farms Well ID: RW-4

Samplers: MR, TP

Total Well Depth (TOC)	52.15	feet
Initial Static Water Level (TOC)	16.70	feet
Well Diameter	10	inches

Purging Data

Method: Low Flow Pumping Date/Time: 5/16/13 0930

Casing Volumes (gal/ft.):					
1-inch	0.041	4-inch	0.64	10-inch	4
2-inch	0.16	6-inch	1.4		
3-inch	0.36	8-inch	2.5		

Sampling Data

Method: Grab Date/Time: 5/16/13 1015

Parameters	Bottle	Preservation	Method
VOC's	40 ml	1:1 HCl	Grab
Semi Volatiles	Liter	None	Grab
PCB	Liter	None	Grab

	Field Parameters	Depth To Water	pH	Temp (°C)	Spec. Cond. (mS/cm)	Turbidity (NTU)	Flow Rate ml/min
Elapsed Time (min)	0	16.75	7.56	13.12	.220	42.5	0
	5	16.95	7.13	12.52	.219	36.1	380
	10	17.03	7.04	12.52	.218	37.0	380
	15	17.20	7.01	12.50	.218	37.1	380
	20	17.25	6.99	12.51	.218	37.6	380
	25	17.29	6.99	12.56	.218	37.9	380
	30	17.29	6.99	12.59	.218	38.9	380
	35	17.29	6.99	12.58	.218	38.9	380
	40						380
	45						380
	50						380
	55						380
	60						380

Comments:

WELL SAMPLING RECORD

Site Name: Cherry Farms Well ID: RW-5

Samplers:

Total Well Depth (TOC)	31.30 feet
Initial Static Water Level (TOC)	17.06 feet
Well Diameter	TO 8 inches

Purging Data

Method: Low Flow Pumping Date/Time: 5/16/13 1050

Casing Volumes (gal/ft.):					
1-inch	0.041	4-inch	0.64	10-inch	4
2-inch	0.16	6-inch	1.4		
3-inch	0.36	8-inch	2.5		

Sampling Data

Method: Grab Date/Time: 5/16/13 1145

Parameters	Bottle	Preservation	Method
VOC's	40 ml	1:1 HCl	Grab
Semi Volatiles	Liter	None	Grab
PCB	Liter	None	Grab

	Field Parameters	Depth To Water	pH	Temp (°C)	Spec. Cond. (mS/cm)	Turbidity (NTU)	Flow Rate ml\min
Elapsed Time (min)	0	17.18	7.82	12.96	.355	34.4	0
	5	17.35	8.20	11.64	.360	0	380
	10	17.41	8.23	11.67	.357	0	380
	15	17.47	8.24	11.67	.360	0	380
	20	17.85	8.26	11.70	.357	0	380
	25	18.21	8.27	12.25	.356	0	380
	30	18.01	8.28	12.11	.357	0	380
	35	18.25	8.21	12.31	.357	0	380
	40	18.37	8.29	12.53	.355	0	380
	45	18.15	8.24	12.68	.354	0	380
	50	18.25	8.24	12.55	.356	0	380
	55	18.37	8.21	12.50	.356	1.1	380
	60	18.38	8.30	12.47	.357	0	380

Comments:

SUMP WATER SAMPLING RECORD

Site Name: *Cherry Farms* | Sample ID: S-1

Samplers: MVL, TP

Sample Description

Type of Water Body	Sump
Physical Appearance/Odor	clear
Color/Stain	no odor

Sampling Data

Method: *Grab* | Date/Time: 5/16/13 1330

Parameters	Bottle	Preservation	Method
VOC's	*40 ml*	*1:1 HCl*	*Grab*
Semi Volatiles	*Liter*	*None*	*Grab*
PCB's	*Liter*	*None*	*Grab*
Pesticides	*Liter*	*None*	*Grab*
Metals	*16 oz*	*HNO3*	*Grab*
Cyanide	*8 oz*	*NaOH*	*Grab*

Field Parameters

pH	7.06
Temp. (°F)	17.86
Spec. Cond. (MS/uS/cm)	1358
Turbidity (NTU)	0

Comments Triple volume of VOA's collected for MS/MSD

SUMP WATER SAMPLING RECORD

Site Name: *Cherry Farms* | Sample ID: S-2

Samplers: WJL, TP

Sample Description

Type of Water Body	Sump
Physical Appearance/Odor	rusty colored
Color/Stain	no odor

Sampling Data

Method: *Grab* | Date/Time: 5/16/13 1345

Parameters	Bottle	Preservation	Method
VOC's	*40 ml*	*1:1 HCl*	*Grab*
Semi Volatiles	*Liter*	*None*	*Grab*
PCB's	*Liter*	*None*	*Grab*
Pesticides	*Liter*	*None*	*Grab*
Metals	*16 oz*	*HNO3*	*Grab*
Cyanide	*8 oz*	*NaOH*	*Grab*

Field Parameters

pH	7.24
Temp. (°F)	20.20
Spec. Cond. (uS/cm)	.581
Turbidity (NTU)	C7.0

Comments

SUMP WATER SAMPLING RECORD

Site Name: *Cherry Farms* | Sample ID: S-3

Samplers: MR / TP

Sample Description

Type of Water Body	Sump
Physical Appearance/Odor	clear / no odor
Color/Stain	

Sampling Data

Method: *Grab* | Date/Time: 5/16/13 1400

Parameters	Bottle	Preservation	Method
VOC's	*40 ml*	*1:1 HCl*	*Grab*
Semi Volatiles	*Liter*	*None*	*Grab*
PCB's	*Liter*	*None*	*Grab*
Pesticides	*Liter*	*None*	*Grab*
Metals	*16 oz*	*HNO3*	*Grab*
Cyanide	*8 oz*	*NaOH*	*Grab*

Field Parameters

pH	11.37
Temp. (°F)	14.97
Spec. Cond. (uS/cm)	.466
Turbidity (NTU)	0

Comments

* Dup. taken

SUMP WATER SAMPLING RECORD

Site Name: *Cherry Farms* | Sample ID: 34

Samplers: VR, TP

Sample Description

Type of Water Body	Sump
Physical Appearance/Odor	
Color/Stain	

Sampling Data

Method: *Grab* | Date/Time: 5/16/13 1430

Parameters	Bottle	Preservation	Method
VOC's	*40 ml*	*1:1 HCl*	*Grab*
Semi Volatiles	*Liter*	*None*	*Grab*
PCB's	*Liter*	*None*	*Grab*
Pesticides	*Liter*	*None*	*Grab*
Metals	*16 oz*	*HNO3*	*Grab*
Cyanide	*8 oz*	*NaOH*	*Grab*

Field Parameters

pH	10.99
Temp. (°F)	148.5
Spec. Cond. (uS/cm)	1,657
Turbidity (NTU)	0

Comments

APPENDIX D
2013 Remedial System Monitoring Data
and Industrial Sewer Connection Permit

Appendix D
2013 Remedial System Monitoring Data

	Wastewater Discharge Limit	Units	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13
OWS/Influent *														
PCBs														
Aroclor 1016	NA	ug/L	ND	ND	1.2	1.4	ND	ND	ND	0.48	ND	ND	ND	ND
Aroclor 1221	NA	ug/L	ND	ND	ND	ND	ND	ND	3.0	ND	ND	0.98	ND	ND
Aroclor 1232	NA	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	NA	ug/L	0.39	0.81	ND	ND	0.78	ND	1.1	ND	ND	0.93	1.1	1.5
Aroclor 1248	NA	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	NA	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	NA	ug/L	0.085	0.077	0.039 J	ND	ND	ND	0.037 J	ND	ND	ND	ND	ND
Between Carbon														
PCBs														
Aroclor 1016	NA	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1221	NA	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1232	NA	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	NA	ug/L	0.079	0.069	ND	ND	ND	ND	0.062	ND	ND	ND	ND	0.13
Aroclor 1248	NA	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	NA	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	NA	ug/L	ND	0.032 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Oil & Grease	100 mg/L	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ML-1														
PCBs														
Aroclor 1016	<PQL (µg/L)	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1221	<PQL (µg/L)	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1232	<PQL (µg/L)	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	<PQL (µg/L)	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1248	<PQL (µg/L)	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	<PQL (µg/L)	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	<PQL (µg/L)	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Oil & Grease	100 mg/L	mg/L	ND	ND	ND	1.4 J	ND	ND	ND	ND	ND	ND	ND	ND
ML-2 (Post-Carbon)														
PCBs														
Aroclor 1016	<PQL (µg/L)	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1221	<PQL (µg/L)	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1232	<PQL (µg/L)	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	<PQL (µg/L)	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1248	<PQL (µg/L)	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	<PQL (µg/L)	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	<PQL (µg/L)	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Oil & Grease	100 mg/L	mg/L	ND	ND	ND	4.1 J	ND	ND	ND	ND	ND	3.6 J	ND	ND
TSS	250 mg/L	mg/L	-	-	-	ND	-	-	-	-	-	-	ND	-
pH	5.0-9.5 S.U.	SU	-	-	-	7.26	-	-	-	-	-	-	7.02	-
BOD	250 mg/L	mg/L	-	-	-	2.1 b	-	-	-	-	-	-	ND	-
SGT TPH	100 mg/L	mg/L	-	-	-	ND	-	-	-	-	-	-	ND	-
Total Phosphorous	6.0 mg/L	mg/L	-	-	-	ND	-	-	-	-	-	-	0.0058 J	-
Total Zinc	4.4 mg/L	mg/L	-	-	-	0.0023	-	-	-	-	-	-	0.0041 J B	-
Effluent Flow	NA	GPM	238,365	149,261	259,844	183,043	272,934	231,674	256,367	258,704	196,534	160,466	155,139	191,951

Notes:
PCBs = Polychlorinated Biphenyls
PQL = Pratical Quantitaion Limit
TSS = Total Suspended Solids
BOD = Biochemical Oxygen Demand
SGT TPH = Silica Gel Treated Total Petroleum Hydrocarbon
ND = Not Detected
GPM = Gallons per month
J = Result is less than the result limit but greater than or equal to the method detection limit and the concentration is an approximate value
b = Result detected in the unseeded control blank
B = Comppound was found in the blank and sample
BOLD = concentration exceeds permitted Wastewater Discharge Limit

Permit No. 613

TOWN OF TONAWANDA

INDUSTRIAL SEWER CONNECTION PERMIT

Company Name: Cherry Farm/River Road PRP Group

Division Name (if Applicable)

Mailing Address: 158 Sonwil Drive
Street or P.O. Box
Cheektowaga, New York, 14225
City, State and Zip Code

Facility Address: Cherry Farms 4100 River Road
Street or P.O. Box
Tonawanda, New York, 14150
City, State and Zip Code

The above Industrial User is authorized to discharge industrial wastewater to the Town of Tonawanda sewer system in compliance with the Town's Sewer Use Ordinance Number 2-2000, any applicable provisions of Federal or State law or regulation, and in accordance with discharge point(s), effluent limitations, monitoring requirements, and other conditions set forth herein.

This permit is granted in accordance with the application filed on October 12, 2010 in the office of the Pretreatment Administrator, and in conformity with plans, specifications, and other data submitted to the Town in support of the above application.

Effective Date: January 1, 2011

Expiration Date: December 31, 2013

Permit No. 613

Date: 10/20/2010 Signed: William Mucci

William Mucci
Town of Tonawanda
Office of the Compliance Coordinator

Permit No. 613

Modified Date: _____

PART 1 - WASTEWATER DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS

A. LOCALLY DERIVED LIMITATIONS

The industrial user shall comply with the following locally derived effluent limitations effective as of ***January*** **1, 2011 through December 31, 2013**

MONITORING LOCATION #1: **Outlet of Carbon column Following Oil/Water Separator Prior to Mixing with Other Non-Oily Wastewater.**

PARAMETER	MONTHLY AVERAGE mg/l (lbs/day)	DAILY MAXIMUM mg/l (lbs/day)
Oil and Grease		**100 mg/l**
Polychlorinated Bi-Phenyls (PCB's)		**<PQL *******

MONITORING LOCATION #2: **Discharge Point of Total Mixed wastes to the Town Sewer**

PARAMETER	MONTHLY AVERAGE mg/l (lbs/day)	DAILY MAXIMUM mg/l (lbs/day)
Oil and Grease		**100 mg/l**
Polychlorinated Bi-Phenyls (PCB's)		**<PQL**

MONITORING SPECIFICATIONS

A. *Monitoring for compliance with these locally derived limitations* ***at both Monitoring Point 1 and at Monitoring Point 2*** *shall be performed as follows:*

PARAMETERS	SAMPLE FREQUENCY	SAMPLE TYPE	PURPOSE
Oil and Grease	**Monthly**	**Grab**	**Compliance**
PCB's (All Arochlors)	**Monthly**	**Grab**	**Compliance**
pH	**Monthly**	**Grab/Field Test**	**Compliance**
PCB's (Recovered Oil)	**Monthly**	**Grab**	**Compliance**

Monitoring for SUO Compliance, Surcharge Evaluation and other reasons shall be performed at ***Monitoring Point # 2 only*** *as follows:*

PARAMETERS	SAMPLE FREQUENCY	SAMPLE TYPE	PURPOSE
pH	Semi-Annual	Grab	5.0-9.5 su
Total Petroleum Hydrocarbons	"	"	100 mg/l
BOD	"	"	250 mg/l *
TSS	"	"	250 mg/l *
Total Phosphorous	"	"	6.0 mg/l *
Zinc	"	"	4.4 mg/l

*** = Concentrations at which surcharge begins.**

All Self -Monitoring reports shall be submitted to this office no later than the twenty-fifth (25) day of the month following when the sample was taken.
Flows must be mailed, faxed, or called to this office no later than the 10th of the month.

PART II - SPECIAL CONDITIONS/COMPLIANCE SCHEDULE

1. *The Industrial User shall develop, within 6 months of the effective date of this permit, an accidental spill prevention plan to eliminate or minimize the accidental or slug discharge of pollutants into the sewer system, which could have an effect on the Town's treatment plant, sludge, or cause the Town to violate its SPDES permit.*

PART III - REPORTING REQUIREMENTS

1. *All Industries requiring submittal of self-monitoring reports (SMR's) must submit all laboratory results on all discharged samples. If a lab analysis was performed using an EPA approved test method, then those results must be included in the SMR.*
   Persons signing SMR's must be a responsible company official, ie; owner, corporate manager, or supervise more than two hundred fifty (250) employees. Any of the above may appoint a company representative to sign SMR's but written notice must be supplied to this office authorizing said employee to sign.

The following statement will be required on all SMR's and baseline monitoring reports (BMR):

" I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who managed the system, or those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violation."

2. *The Industrial User shall notify the Town immediately upon any accidental or slug discharge to the sanitary sewer system. Formal written notification discussing circumstances and remedies shall be submitted to the Town within 5 days of the occurrence.*

3. *The Industrial User shall notify the Town 30 days prior to the introduction of new wastewater or pollutants or any substantial change in the volume or characteristics of the wastewater being introduced into the POTW from the User's industrial processes.*

4. *Any upset experienced by the Industrial User of its treatment that places it in a temporary state of non-compliance with wastewater discharge limitations contained in this permit or other limitations specified in the Town's Ordinance shall be reported to the Town within 24 hours of first awareness of the commencement of the upset. Immediate resampling for the non-compliance pollutant shall begin. A detailed report shall be filed within 5 days.*

5. *The Industrial User is required to submit to the Town reports on the results of its sampling of the pollutants specified in Part I of this Permit. This report shall also contain monthly flows.*

6. *Analytical procedures must be performed in accordance with 40 CFR Part 136. Additional pollutants not contained in Part 136 must be performed using validated analytical methods approved by EPA (40 CFR 403.12 [g] [4]).*

7. *All reports shall be submitted to the following address:*

Daniel G. O'Leary, Compliance Coordinator
Wastewater Treatment Facility
779 Two Mile Creek Road
Tonawanda, New York 14150

PART IV - STANDARD CONDITIONS

I. The Industrial User shall comply with all the general prohibitive discharge standards in Article IV of the Local Law 2-2000.

a. BOD 250 mg/l,TSS 250 mg/l, P 6 mg/l are not to be construed as discharge limits of the above pollutants but as a baseline for generating abnormal sewer charges.

2. RIGHT OF ENTRY

The Industrial User shall, after reasonable notification by the Town, allow the Town or its representatives, exhibiting proper credentials and identification, to enter upon the premises of the User, at all reasonable hours, for the purposes of inspection, sampling, or records inspection. Reasonable hours in the context of inspection and sampling includes any time the Industrial User is operating any process which results in a process wastewater discharge to the Town's sewerage system.

3. RECORDS RETENTION

The Industrial User shall retain and preserve for no less than three (3) years, any records, books, documents, memoranda, reports, correspondence and all summaries thereof, relating to monitoring, sampling and chemical analysis made by or in behalf of the User in connection with its discharge.

a) All records that pertain to matters that are the subject of special orders or any other enforcement or litigation activities brought by the Town shall be retained and preserved by the Industrial User until all enforcement activities have concluded and all periods of limitation with respect to any and all appeals have expired.

4. CONFIDENTIAL INFORMATION

Except for data determined to be confidential under Article VII, Section 4 of the Town's Ordinance, all reports required by this permit shall be available for public inspection at the office of the Compliance Coordinator, Wastewater Treatment Facility, 779 Two Mile Creek Road, Tonawanda, New York 14150.

5. RECORDING OF RESULTS

For each measurement or sample taken pursuant to the requirements of this permit, the user shall record the following information:

a) The exact place, date and time of sampling;
b) The dates the analyses were performed;
c) The person(s) who performed the analyses;
d) The analytical techniques or methods used, and
e) The results of all required analyses.
f) Where sanitary sewer discharge is measured by a mechanical or electronic device, accuracy of device shall be certified correct every year by the manufacturer. Certification shall begin September 2011.
g) Where sanitary sewer discharge is measured by percentage of consumed water, percentage shall be certified correct every year by a licensed professional engineer .Certification shall begin September 2011.

6. DILUTION

No Industrial User shall increase the use of potable or process water or, in any way, attempt to dilute a discharge as a partial or complete substitute for adequate treatment to achieve compliance with the limitations contained in this permit

7. PROPER DISPOSAL OF PRETREATMENT SLUDGES AND SPENT CHEMICALS

The disposal of sludges and spent chemicals generated shall be done in accordance with Section 405 of the Clean Water Act and Subtitles C and D of the Resource Conservation and Recovery Act.

8. TOXIC SUBSTANCES

All waters shall be maintained free of toxic substances in concentrations that are toxic to or produce detrimental physiological responses in human, plant, animal, or aquatic life.

9. SIGNATORY REQUIREMENTS

All reports required by this permit shall be signed by a principal executive officer of the User, or his designee.

10. REVOCATION OF PERMIT

The permit issued to the Industrial User by the Town may be revoked when after inspection, monitoring or analysis it is determined that the discharge of wastewater to the sanitary sewer is in violation of Federal, State, or local laws, ordinances, or regulations. Additionally, falsification or intentional misrepresentation of data or statements pertaining to the permit application or any other required reporting form, shall be cause for permit revocation.

11. LIMITATIONS ON PERMIT TRANSFER

Transfer of permit. Industrial waste permits are issued to a specific user for a specific operation. In the event of any change in ownership of the industrial facility, the permittee shall notify the new owner of the existence of the permit by letter, a copy of which shall be forwarded to the Pretreatment Administrator 30 days prior to change of ownership. A new industrial waste permit must be issued to the new owner.

12. FALSIFYING INFORMATION OR TAMPERING WITH MONITORING EQUIPMENT

Knowingly making any false statement on any report or other document required by this permit or knowingly rendered any monitoring device or method inaccurate, may result in punishment under the criminal law of the Town, as well as being subjected to civil penalties and relief.

13. MODIFICATION OR REVISION OF THE PERMIT

a) The terms and conditions of this permit may be subject to modification by the Town at any time as limitations or requirements as identified the Town's Ordinance, are modified or other just cause exists.

b) This permit may also be modified to incorporate special conditions resulting from the issuance of a special order.

c) The terms and conditions may be modified as a result of EPA promulgating a new federal pretreatment standard.

d) Any permit modifications which result in new conditions in the permit shall include a reasonable time schedule for compliance if necessary.

14. DUTY TO REAPPLY

The Town shall notify a User one hundred and eighty (180) days prior to the expiration of the User's Permit. Within ninety (90) days of the notification, the User shall reapply for re-issuance of the permit on a form provided by the Town.

15. SEVERABILITY

The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit shall not be affected thereby.

16. LIMITATIONS

The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any invasion of personal rights, nor any infringement of Federal, State or Local regulations.

17. A. VIOLATIONS

(1) Any violation of sections 165-3 through 165-19 of this Part 1 of Local Law 2-2000 is hereby declared a violation except as otherwise provided by law.

(2) Any person who violates the provisions of sections 165-3 through 165-19 of the Part 1, upon conviction thereof in a court of competent jurisdiction, may be punished by a fine of not more than two hundred fifty dollars ($250.), and each day on which there is a failure to comply shall be and is hereby declared to be a distinct and separate offense and punishable as such.

(3) The Town of Tonawanda may also maintain an action of proceeding in the name of the Town of Tonawanda in a court of competent jurisdiction to collect a civil penalty of not over two hundred dollars ($200.) for each violation of sections 165-3 through 165-19 of this Part 1.

(4) The Town of Tonawanda may also maintain an action or proceeding in the name of the Town of Tonawanda in a court of competent jurisdiction for injunctive relief for any violation Articles III, IV or V of this Part 1.

B. MISDEMEANORS

(1) Any violation of sections 165-20 through 165-30 of this Part 1 is hereby declared a misdemeanor except as otherwise provided by law.

(2) Any person who violates the provisions of sections 165-20 through 165-30 of this Part 1, upon conviction thereof in a court of competent jurisdiction, may be punished by a fine of not more than five hundred dollars ($500.), and each day on which there is a failure to comply shall be and is hereby deemed to be a distinct and separate offense and punishable as such.

(3) The Town of Tonawanda may also maintain an action or proceeding in the name of the Town of Tonawanda in a court of competent jurisdiction to collect a civil penalty of not over one thousand dollars ($1,000.) for each violation of section 165-20 through 165-30 of this Part 1.

(4) The Town of Tonawanda may also maintain an action or proceeding in the name of the Town of Tonawanda in a court of competent jurisdiction for injunctive relief for any violation of Article VI of this Part 1.

18. ENFORCEMENT OF THE SEWER USE LAW AND PERMITS

The Town has developed and received USEPA approval of its Enforcement Response Plan which details the standard responses to be taken by the Town when it encounters various violations of the Sewer Use Law or the terms of this permit. Copies of this document are available at the office of the Pretreatment Administrator.

APPENDIX E
Institutional and Engineering Controls Certification Forms

Enclosure 2
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form

Site Details **Box 1**

Site No. **915063**

Site Name **Niagara Mohawk - Cherry Farm**

Site Address: River Road (near 4000 River Road) Zip Code: 14150
City/Town: Tonawanda
County: Erie
Site Acreage: 56.0

Reporting Period: January 01, 2013 to December 31, 2013

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

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Closed Landfill	■	□
7. Are all ICs/ECs in place and functioning as designed?	■	□

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

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

Signature of Owner, Remedial Party or Designated Representative

Date

SITE NO. 915063 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
51.20-1-1	Niagara Mohawk Power Corp.	Monitoring Plan O&M Plan Building Use Restriction Landuse Restriction

A Consent Order (CO) for a Remedial Investigation / Feasibility Study (RI/FS) was signed by the PRP group in April 1988. The RI/FS was completed and a Record of Decision (ROD) was signed in February 1991. Based on the results of additional investigations and pump tests completed in 1992, the ROD was amended on October 7, 1993. Due to common site history, former common ownership, similar waste and a similar Remedial Program, this site was combined with the adjacent River Road Site for Remedial Action. The remedy consisted of stabilization of the river bank, installation of a clean earth cover, extraction and treatment of groundwater and recovery and disposal of non-aqueous phase liquid. The design incorporated several habitat improvements including development of wetland buffer areas, fish embayment structures and specific vegetative cover along the Niagara River. A Consent Order for Remedial Design/Remedial Action (RD/RA) was signed in September 1994. The PRP Group developed a comprehensive remedial design for Cherry Farm and the adjoining River Road Site. The Remedial Design work was completed in February 1996. Shortly afterwards, in May 1996, Remedial Action work began and was completed in August of 1999. A Deed Restriction was placed on the property on January 27, 1999. The Construction Certification Report and the Operation, Maintenance and Monitoring Plan were approved in January, 2000.

Box 4

Description of Engineering Controls

Parcel	Engineering Control
51.20-1-1	Leachate Collection Groundwater Treatment System Cover System Fencing/Access Control

Hazardous wastes were excavated and pulled back from the perimeter remedial investigation areas and consolidated. PAH sediments were hydraulically dredged from the Niagara River and discharged on to the River Road portion of the site to settle. Shallow groundwater recovery wells were installed along the shoreline. Recovered leachate is pumped to an onsite treatment plant. A permeable soil cap/cover was installed and seeded. Embayments and plantings were installed along the shoreline for habitat objectives.

Box 5

Periodic Review Report (PRR) Certification Statements

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

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

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

YES	NO
■	□

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

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

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

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

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

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

YES	NO
■	□

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

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

_____ _____

Signature of Owner, Remedial Party or Designated Representative Date

IC CERTIFICATIONS
SITE NO. 915063

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

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

I William R Jones (print name) at NATIONAL GRID 300 ERIE BLVD WEST, SYRACUSE NY (print business address)

am certifying as OWNER (Owner or Remedial Party)

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

William R. Jones
Signature of Owner, Remedial Party, or Designated Representative Rendering Certification

2/21/14
Date

IC/EC CERTIFICATIONS

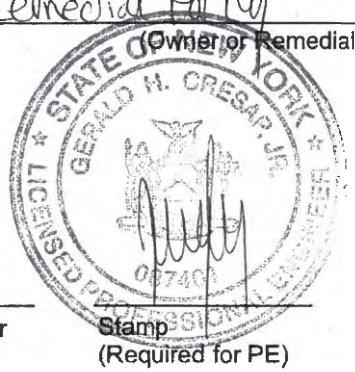
Box 7

Professional Engineer Signature

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

I Gerald H Cresap, Jr at GES, 364 Littleton Rd, Westford, MA
print name print business address

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



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

Stamp (Required for PE)

2/20/2014
Date

APPENDIX F
Copy of August 2013
Hazardous Waste Manifest

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) 727607793 9CPPW 3/3/2011 Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: NYD018641601
2. Page 1 of: 1
3. Emergency Response Phone: (800) 483-3718
4. Manifest Tracking Number: 006618357 FLE

5. Generator's Name and Mailing Address:
Cherry Farm PRP Group
4100 River Road
Tonawanda, NY 14150
Generator's Phone: (800) 247-7057

Generator's Site Address (if different than mailing address): SAME

6. Transporter 1 Company Name: Clean Harbors Environmental Services Inc
U.S. EPA ID Number: MAD039322250

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address:
Clean Harbors Deer Park, LLC
2027 Independence Parkway South
La Porte, TX 77571
Facility's Phone: (281) 930-2300
U.S. EPA ID Number: TXD055141378

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ, UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S., (POLYCHLORINATED BIPHENYLS), 9, PG III (PCB'S)	002	DM	320	K	B007; 0001S4091; B
X	2. RQ, UN 3077, Environmentally Hazardous Substances, solid, n.o.s. (Polychlorinated biphenyls), 9, PG III (PCBs)	001	DF	70	K	B007; 0001S4091; B
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1. CH362050 ER68171
2. CH362056 ER68171

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: On behalf of PRP Group Lawrence T. [illegible] | Signature: [signature] | Month 08 Day 02 Year 13

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Steve Ricci | Signature: [signature] | Month 08 Day 02 Year 13
Transporter 2 Printed/Typed Name: | Signature: | Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H040 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Signature: Month Day Year

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. **GENERATOR'S INITIAL COPY**

Clean Harbors has the appropriate permits for and will accept the waste the generator is shipping.

NEW YORK STATE GENERATOR RESTRICTED WASTE NOTIFICATION/CERTIFICATION FOR PCB WASTES

ALL NEW YORK STATE GENERATORS WHO GENERATE PCB WASTE MUST ATTACH THIS ADDENDUM TO CHI FORM LDR1

(THIS NOTIFICATION/CERTIFICATION IS ONLY APPLICABLE WITHIN THE STATE OF NEW YORK)

Generator Name: Cherry Farm LRP Group

EPA ID No. NYD038644601

Signature: [signature]

Date: 08/02/13

Manifest No.: 006618357 FE

This Addendum to CHI Form LDR1 must be completed for any New York state regulated hazardous waste generated in the State of New York. This form ensures that New York State generators comply with the notification requirements of 6 NYCRR Part 376. All New York State generators shipping PCB waste which is a New York State regulated hazardous waste must check the box and indicate the applicable waste code below.

[X] CHECK HERE The waste associated with the above manifest includes New York State Regulated PCB Waste which is land restricted in the State of New York and is subject to 6 NYCRR Part 376.4(f). This waste shall be disposed of in accordance with 40 CFR Part 761. Pursuant to 376.4(f)(1)(i), B002 waste from any source other than a spill may not be stabilized or mixed with any other substance to conform with any provision of 40 CFR Part 761 regarding land disposal if the disposal occurs in the State of New York.

Check all which apply: [ ] B001 [ ] B002 [ ] B003 [ ] B004 [ ] B005

[ ] B006* (see below)

[X] B007* (see below)

- Generators are required to certify that their B006 and/or B007 waste can be land disposed in accordance with 40 CFR Part 761 without further treatment if:

a. The waste is a B006, and is a transformer which has been drained and flushed pursuant to 40 CFR 761.60(b)(1)(i)(B), or

b. The waste is a B007 and does not contain PCBs which have been deliberately solidified.

[X] CHECK HERE if the B006 and/or B007 waste associated with this manifest conforms to either "a" or "b"

and is intended for land disposal, and sign this form at the top of the page. In accordance with 6 NYCRR Part 376.1(g)(1)(ii) the generator makes the following certification:

"I certify under penalty of law that I personally have examined and am familiar with the waste, through analysis and testing or through knowledge of the waste, to support this certification that the waste complies with the treatment standards specified in Part 376, section 376.4 and all applicable prohibitions set forth in subdivision 376.3(b) of Part 376 or RCRA section 3004(d). I believe that the information I submitted is true, accurate, and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment."

TSCA MANIFEST CONTINUATION FORM

MANIFEST NUMBER: _____ GENERATOR NAME: _____

ADDRESS: _____

_____

EPA ID NUMBER: _____

ITEM NUMBER	Type/ Description	Serial No. or Other ID No.	Date of Removal From Service For Disposal	Volume (gallons) or Weight (kilograms)
1				160
1				160
2				70

NOTES

1. **Type/Description:** Brief description of the unit such as:
   (i) Transformer (> 500 ppm or < 500 ppm) **(ii) Capacitor** **(iii) Bulk Liquid/Solid** (tanker or rolloff)
   (iv) PCB Container - A container in direct contact w/ PCBs, such as a drum containing PCB spill debris
   (v) PCB Article Container - A container not in direct contact w/ PCBs, such as a drum containing one or more non-leaking motors, light ballasts, etc.
2. **Serial No. or Other ID No.:** Serial Number must be reported if one is present; if not, assign a unique number.
3. **Date Removed From Service For Disposal:** The date when the item was taken out of service for disposal. If more than one item (batch) is present in the container (tank), the reported date for the entire container (tank) must be the first (i.e., the earliest) date.
4. **Weight:** Volume may be reported in gallons; however, the weight in kilograms is preferred.

COPY>7: GENERATOR STATE-MAILED BY GENERATOR

TSCA MANIFEST CONTINUATION FORM

MANIFEST NUMBER: _____ GENERATOR NAME: _____

ADDRESS: _____

_____

EPA ID NUMBER: _____

ITEM NUMBER	Type/ Description	Serial No. or Other ID No.	Date of Removal From Service For Disposal	Volume (gallons) or Weight (kilograms)

NOTES

1. **Type/Description:** Brief description of the unit such as:
   (i) Transformer (> 500 ppm or < 500 ppm) **(ii) Capacitor** **(iii) Bulk Liquid/Solid** (tanker or rolloff)
   (iv) PCB Container - A container in direct contact w/ PCBs, such as a drum containing PCB spill debris
   (v) PCB Article Container - A container not in direct contact w/ PCBs, such as a drum containing one or more non-leaking motors, light ballasts, etc.
2. **Serial No. or Other ID No.:** Serial Number must be reported if one is present; if not, assign a unique number.
3. **Date Removed From Service For Disposal:** The date when the item was taken out of service for disposal. If more than one item (batch) is present in the container (tank), the reported date for the entire container (tank) must be the first (i.e., the earliest) date.
4. **Weight:** Volume may be reported in gallons; however, the weight in kilograms is preferred.

COPY>8: GENERATOR-RETAINED BY GENERATOR

TSCA MANIFEST CONTINUATION FORM

MANIFEST NUMBER: [illegible] GENERATOR NAME: [illegible]

ADDRESS: [illegible]

[illegible]

EPA ID NUMBER: [illegible]

ITEM	NUMBER	Type/ Description	Serial No. or Other ID No.	Date of Removal From Service For Disposal	Volume (gallons) or Weight (kilograms)
1	1	[illegible]	[illegible]	[illegible]	160
2	1	[illegible]	[illegible]	[illegible]	160
3	2	[illegible]	[illegible]	[illegible]	20

NOTES

1. **Type/Description:** Brief description of the unit such as:
   (i) Transformer (> 500 ppm or < 500 ppm) **(ii) Capacitor** **(iii) Bulk Liquid/Solid** (tanker or rolloff)
   (iv) PCB Container - A container in direct contact w/ PCBs, such as a drum containing PCB spill debris
   (v) PCB Article Container - A container not in direct contact w/ PCBs, such as a drum containing one or more non-leaking motors, light ballasts, etc.
2. **Serial No. or Other ID No.:** Serial Number must be reported if one is present; if not, assign a unique number.
3. **Date Removed From Service For Disposal:** The date when the item was taken out of service for disposal. If more than one item (batch) is present in the container (tank), the reported date for the entire container (tank) must be the first (i.e., the earliest) date.
4. **Weight:** Volume may be reported in gallons; however, the weight in kilograms is preferred.

COPY>6: DESTINATION STATE-MAILED BY GENERATOR