

***Periodic Review Report
2012 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**

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EXECUTIVE SUMMARY

INTRODUCTION

This Periodic Review Report (PRR) and 2012 Annual Report for the Cherry Farm/River Road site summarizes the monitoring and maintenance activities conducted from January 1 through December 31, 2012. 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 August 2012. 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 fourth quarter of 2011, this sampling event was completed in the third quarter of 2012. 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 2012.

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 the NYSDEC were conducted on a semi-annual basis. Any minor deficiencies observed during the monthly inspections were documented and discussed with the 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 – AUGUST 2012

In the intermediate/deep groundwater samples, VOC concentrations exceeding Class GA quality standards/guidance values were detected in wells MW-5, RW-4 and RW-5. The concentrations were consistent with levels detected in the past. SVOC concentrations exceeding Class GA quality standards/guidance values were detected in wells MW-2 and MW-5. The concentrations were consistent with levels detected in the past. PCBs were detected in monitoring well MW-7. This was the first historical detection of PCBs in MW-7. There was a historical detection of PCBs from MW-4 in 2009.

Overall, total VOC concentrations have shown a consistent decreasing trend since 2005, with the exception of MW-5, RW-4 and RW-5, while total SVOC concentrations have shown a relative decreasing trend since 2007, with the exception of MW-2 and MW-5. Total VOC and SVOC detections in MW-5 are historically erratic but have been generally decreasing since 1998. The detection of PCBs in MW-7 will be monitored for re-occurrence over the next two annual sampling events to determine if this is an anomalous result.

SHALLOW GROUNDWATER SAMPLING – AUGUST 2012

Concentrations exceeding Class GA quality standards/guidance values in the shallow groundwater samples were detected in S-1 (SVOCs, PCBs, and Metals), S-2 (SVOCs, PCBs, and Metals), S-3 (SVOCs, PCBs, and Metals), and S-4 (VOCs, SVOCs, PCBs, and Metals). Total VOCs and SVOCs were relatively consistent with recent sampling results. Total PCBs and Metals increased in S-1 when compared to recent sampling results.

Overall, total VOC, SVOC, and Metal concentrations have shown a relative decreasing trend since 1998. Total PCBs and Pesticides continue to remain near non-detect concentrations with the exception of S-1, which has had erratic spikes since 1997. Since 2008, total VOC, SVOC, and Metal concentrations continue to remain relatively stable. The variation in concentrations seems to be associated with seasonal variation in groundwater levels.

SURFACE WATER GROUNDWATER SAMPLING

Surface water was not present in any of the surface water sampling locations during the August 2012 sampling event.

WATER LEVEL MONITORING

Quarterly water level monitoring was completed in January, June, August and November, 2012. MW-4 was not able to be gauged during the January gauging event due to ponded water covering the well. 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 OW-1, OW-8, S-1 and S-4 during the August gauging event and S-4 during the November 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

A formal inspection with the NYSDEC was conducted on May 21, 2012. The NYSDEC declined attendance of the second semi-annual cap inspection conducted on November 28, 2012. There were no deficiencies noted during GES's routine monthly inspections, the May inspection with the NYSDEC, or the November inspection completed by GES.

SYSTEM EFFECTIVENESS

During system operation, the average flow rate for 2012 was approximately 5.78 gallons per minute (gpm), which is lower when compared to the 2011 (6.84 gpm) and the 2010 (7.3 gpm) average flow rates. The system up-time for 2012 was approximately 95%, which is higher when compared to 2011 (74%). Approximately 2,878,362 gallons of groundwater were treated and discharged to the Town of Tonawanda Wastewater Treatment Facility during 2012. 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 permit.

PROCESS LINE DE-SCALING

In accordance with the NYSDEC approved Proposed Chemical Application for De-Scaling of Process Line letter dated April 3, 2012, the Foul Out application was started on April 23, 2012 at S-1. The purpose of the de-scaling is to clean the process line associated with sumps S-1 through S-3 so flows from these sumps return to designed rates. The flow rates from sumps S-1 through S-3 have steadily decreased over time even with the completion of routine maintenance events such as monthly muriatic acid flushes and annual process line flushing.

GES coordinated the logistics for the chemical application with William Gaworecki of Aquatrol Systems, LLC of Baldwinsville, New York and chemical supplier Redux Technology

of Newfane, New Jersey. The chemical application included an in-line cleaning using Redux Foul Out for a period of approximately five months.

With guidance from Mr. Gaworecki, GES was able to determine the initial feed rate (4.4 gallons per day) that was appropriate for the system based on observed flow rates from sumps S-1 through S-3 (2.8 gallons per minute). In addition to recording flow rates throughout the duration of the chemical application, GES is field testing the influent water for hardness to aid in determining the effectiveness of the chemical application. A background hardness concentration was field determined prior to the start-up of the chemical application.

The combined flow rate from sumps S-1 through S-3 at the start-up of the chemical application was approximately 2.8 gpm. Since that time, the combined flow has increased to approximately 5.5 gpm. The primary goal is to achieve a combined flow rate of approximately 9 gpm from all three sumps. The feed rate of the Foul Out was monitored and adjusted accordingly based on observed flow rates, hardness concentrations, and with guidance from Mr. Gaworecki.

CONCLUSIONS

- August 2012 Intermediate/deep Aquifer - VOC concentrations exceeding Class GA quality standards/guidance values were detected in wells MW-5, RW-4 and RW-5. The concentrations were consistent with levels detected in the past. SVOC concentrations exceeding Class GA quality standards/guidance values were detected in wells MW-2 and MW-5. The concentrations were consistent with levels detected in the past. PCBs were detected in monitoring well MW-7. This was the first historical detection of PCBs in MW-7.
- August 2012 Shallow Groundwater - Concentrations exceeding Class GA quality standards/guidance values in the shallow groundwater samples were detected in S-1 (SVOCs, PCBs, and Metals), S-2 (SVOCs, PCBs, and Metals), S-3 (SVOCs, PCBs, and Metals), and S-4 (VOCs, SVOCs, PCBs, and Metals). Total VOCs and SVOCs were relatively consistent with recent sampling results. Total PCBs and Metals increased in S-1 when compared to recent sampling results.
- There was no surface water present in any of the surface water sampling points at the time of the August 2012 sampling event.
- There were no deficiencies noted during GES's routine monthly inspections, the May 2012 inspection with the NYSDEC, or the December 2012 inspection completed by GES.
- During system operation, the average flow rate for 2012 was approximately 5.78 gallons per minute (gpm), which is lower when compared to the 2011 (6.84 gpm) and the 2010 (7.3 gpm) average flow rates. The system up-time for 2012 was approximately 95%, which is higher when compared to 2011 (74%). Approximately 2,878,362 gallons of groundwater were treated and discharged to the Town of Tonawanda Wastewater Treatment Facility during 2012.

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

RECOMMENDATIONS

- Based on operating the remediation system for the last 16 years and the positive progress that has been achieved, it is recommended that consideration be given to fully shutting down the system: This recommendation is based on these observations:
 - Contaminant concentrations in the groundwater have steadily declined from the start-up of the system in 1997 until 2008 and since then have essentially shown a stable trend.
 - There has been no LNAPL observed in any of the monitoring wells since 2004.
 - Even though flows have declined over time (despite the recent attempt at descaling), there has been no observed groundwater seeps at the site indicating the groundwater is not overtopping the collection trench.
- The PRP group is currently undertaking a preliminary study (with the support of the Town of Tonawanda which is interested in developing the Site for recreation-type purposes) to model potential impacts on groundwater quality and flow to the Niagara River assuming the collection trench was no longer active. Upon completion of this study the PRPs will present the findings to NYSDEC to determine if any further assessment is warranted. Should this effort further support our observations, a timeframe to shut down the groundwater collection and treatment system (with continued groundwater monitoring) will be presented.

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 (**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 the 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, the 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 the NYSDEC. The controls for both sites were recently modified in which the Pump & Treat engineering controls were replaced with Groundwater Treatment System controls. Also, the Groundwater Containment engineering control was removed from the River Road site.

Cherry Farm	River Road
• Fencing/Access Control • Cover System • Groundwater Treatment System • Monitoring Plan • O&M Plan • Leachate Collection • Building Use Restriction • Land Use Restriction	• 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 August 7 and 8, 2012. 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 2012 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, one matrix spike, one matrix spike 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 2012 sampling events.

2.4 WATER LEVEL MONITORING

Quarterly water level monitoring was completed in January, June, August, and November, 2012. 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.

MW-4 was not able to be gauged during the January gauging event due to ponded water covering the well.

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. A formal inspection with the NYSDEC was conducted on May 21, 2012. The NYSDEC declined attendance of the second semi-annual cap inspection conducted on December 10, 2012. 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 the NYSDEC inspection, 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 2012 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, 2012 are provided in **Table 2.3** and are discussed in **Section 3**.

2.7 WASTE

On December 5, 2011, three 55-gallon drums containing waste sulfuric acid, one box containing spent packing material from the oil/water separator clean 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 Spring Grove Resource Recovery, Inc. disposal facility in Cincinnati, Ohio. Copies of the hazardous waste manifests are provided in **Appendix F**.

SECTION 3 MONITORING SUMMARY

3.1 GROUNDWATER QUALITY

Annual sampling 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 2012 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 August 2012 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 the 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 – AUGUST 2012

In the intermediate/deep groundwater samples, VOC concentrations exceeding Class GA quality standards/guidance values were detected in wells MW-5, RW-4 and RW-5. The concentrations were consistent with levels detected in the past. SVOC concentrations exceeding Class GA quality standards/guidance values were detected in wells MW-2 and MW-5. The concentrations were consistent with levels detected in the past. PCBs were detected in monitoring well MW-7. This was the first historical detection of PCBs in MW-7.

Overall, total VOC concentrations have shown a consistent decreasing trend since 2005, with the exception of MW-5, RW-4 and RW-5, while total SVOC concentrations have shown a relative decreasing trend since 2007, with the exception of MW-2 and MW-5. Total VOC and SVOC detections in MW-5 are historically erratic but have been generally decreasing since 1998. The detection of PCBs in MW-7 will be monitored for re-occurrence over the next two annual sampling events to determine if this is an anomalous result. 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 – AUGUST 2012

Concentrations exceeding Class GA quality standards/guidance values in the shallow groundwater samples were detected in S-1 (SVOCs, PCBs, and Metals), S-2 (SVOCs, PCBs, and Metals), S-3 (SVOCs, PCBs, and Metals), and S-4 (VOCs, SVOCs, PCBs, and Metals). Total VOCs and SVOCs were relatively consistent with recent sampling results. Total PCBs and Metals increased in S-1 when compared to recent sampling results.

Overall, total VOC, SVOC, and Metal concentrations have shown a relative decreasing trend since 1998. Total PCBs and Pesticides continue to remain near non-detect concentrations with the exception of S-1, which has had erratic spikes since 1997. Since 2008, total VOC, SVOC, and Metal concentrations continue to remain relatively stable. The variation in concentrations seems to be associated with seasonal variation in groundwater levels. 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 August 2012 sampling events. 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 March or December 2011 sampling events. 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 January, June, August, and November 2012 water level data (**Figures 3.2a-d**). As has been consistently observed, the flow direction is primarily westerly, towards the Niagara River. The 2012 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 2012 was approximately 5.78 gallons per minute (gpm), which is lower when compared to the 2011 (6.84 gpm) and the 2010 (7.3 gpm) average flow rates. The system up-time for 2012 was approximately 95%, which is higher when compared to 2011 (74%). Approximately 2,878,362 gallons of groundwater were treated and discharged to the Town of Tonawanda Wastewater Treatment Facility during 2012. 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 2012 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 2012 were higher than the Niagara River except for OW-1 and OW-8 during the August 2012 gauging event. 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 2012 were higher than the Niagara River except for S-1 and S-4 during the August 2012 gauging event and S-4 during the November gauging event. In reviewing the hydrographs for the sumps, historic water table elevations have generally remained slightly above the water elevation of the Niagara River.

3.2.3 Process Line De-Scaling

In accordance with the NYSDEC approved Proposed Chemical Application for De-Scaling of Process Line letter dated April 3, 2012, the Foul Out application was started on April 23, 2012 at S-1. The purpose of the de-scaling is to clean the process line associated with sumps S-1 through S-3 so flows from these sumps return to designed rates. The flow rates from sumps S-1 through S-3 have steadily decreased over time even with the completion of routine maintenance events such as monthly muriatic acid flushes and annual process line flushing.

GES coordinated the logistics for the chemical application with William Gaworecki of Aquatrol Systems, LLC of Baldwinsville, New York and chemical supplier Redux Technology of Newfane, New Jersey. The chemical application included an in-line cleaning using Redux Foul Out for a period of approximately five months.

With guidance from Mr. Gaworecki, GES was able to determine the initial feed rate (4.4 gallons per day) that was appropriate for the system based on observed flow rates from sumps S-1 through S-3 (2.8 gallons per minute). In addition to recording flow rates throughout the duration of the chemical application, GES is field testing the influent water for hardness to aid in determining the effectiveness of the chemical application. A background hardness concentration was field determined prior to the start-up of the chemical application.

The combined flow rate from sumps S-1 through S-3 at the start-up of the chemical application was approximately 2.8 gpm. Since that time, the combined flow has increased to approximately 5.5 gpm. The primary goal is to achieve a combined flow rate of approximately 9 gpm from all three sumps. The feed rate of the Foul Out was monitored and adjusted accordingly based on observed flow rates, hardness concentrations, and with guidance from Mr. Gaworecki.

SECTION 4

SUMMARY, CONCLUSIONS 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.

- August 2012 Intermediate/deep Aquifer - VOC concentrations exceeding Class GA quality standards/guidance values were detected in wells MW-5, RW-4 and RW-5. The concentrations were consistent with levels detected in the past. SVOC concentrations exceeding Class GA quality standards/guidance values were detected in wells MW-2 and MW-5. The concentrations were consistent with levels detected in the past. PCBs were detected in monitoring well MW-7. This was the first historical detection of PCBs in MW-7.
- August 2012 Shallow Groundwater - Concentrations exceeding Class GA quality standards/guidance values in the shallow groundwater samples were detected in S-1 (SVOCs, PCBs, and Metals), S-2 (SVOCs, PCBs, and Metals), S-3 (SVOCs, PCBs, and Metals), and S-4 (VOCs, SVOCs, PCBs, and Metals). Total VOCs and SVOCs were relatively consistent with recent sampling results. Total PCBs and Metals increased in S-1 when compared to recent sampling results.
- There was no surface water present in any of the surface water sampling points at the time of the August 2012 sampling event.
- There were no deficiencies noted during GES's routine monthly inspections, the May 2012 inspection with the NYSDEC, or the December 2012 inspection completed by GES.
- During system operation, the average flow rate for 2012 was approximately 5.78 gallons per minute (gpm), which is lower when compared to the 2011 (6.84 gpm) and the 2010 (7.3 gpm) average flow rates. The system up-time for 2012 was approximately 95%, which is higher when compared to 2011 (74%). Approximately 2,878,362 gallons of groundwater were treated and discharged to the Town of Tonawanda Wastewater Treatment Facility during 2012.
- Monthly analytical discharge data for the reporting period indicates that the treatment system had been operating/discharging in accordance with the permit.
- Periodic Review Reports will continue to be submitted on an annual basis.

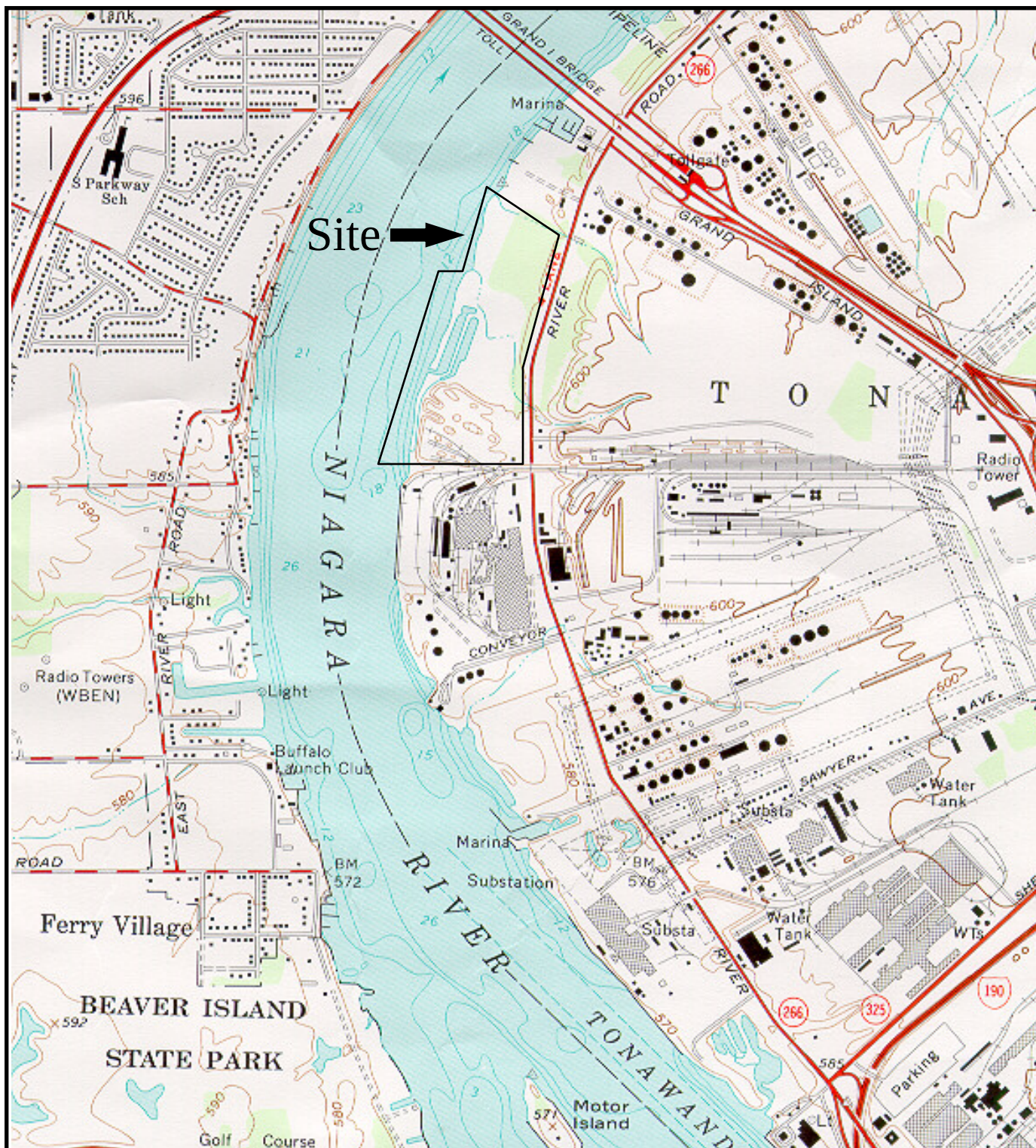
Recommendations

Based on operating the remediation system for the last 16 years and the positive progress that has been achieved, it is recommended that consideration be given to fully shutting down the system: This recommendation is based on these observations:

- Contaminant concentrations in the groundwater have steadily declined from the start-up of the system in 1997 until 2008 and since then have essentially shown a stable trend.
- There has been no LNAPL observed in any of the monitoring wells since 2004.
- Even though flows have declined over time (despite the recent attempt at descaling), there has been no observed groundwater seeps at the site indicating the groundwater is not overtopping the collection trench.

The PRP group is currently undertaking a preliminary study (with the support of the Town of Tonawanda which is interested in developing the Site for recreation-type purposes) to model potential impacts on groundwater quality and flow to the Niagara River assuming the collection trench was no longer active. Upon completion of this study the PRPs will present the findings to NYSDEC to determine if any further assessment is warranted. Should this effort further support our observations, a timeframe to shut down the groundwater collection and treatment system (with continued groundwater monitoring) will be presented.

FIGURES



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

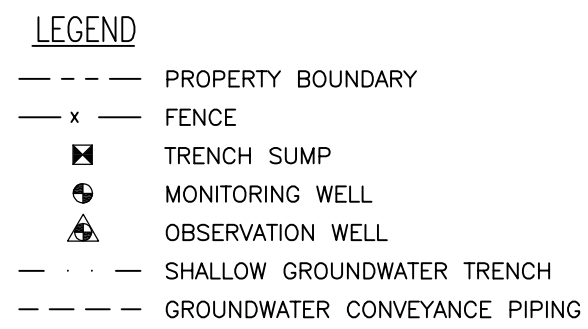
SOURCE: U.S.G.S. 7.5 SERIES BUFFALO NW, New York-Ont
 (TOPOGRAPHIC), 1965

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



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

Figure 3.1a
Monitoring Well Concentration Trend
Total VOCs

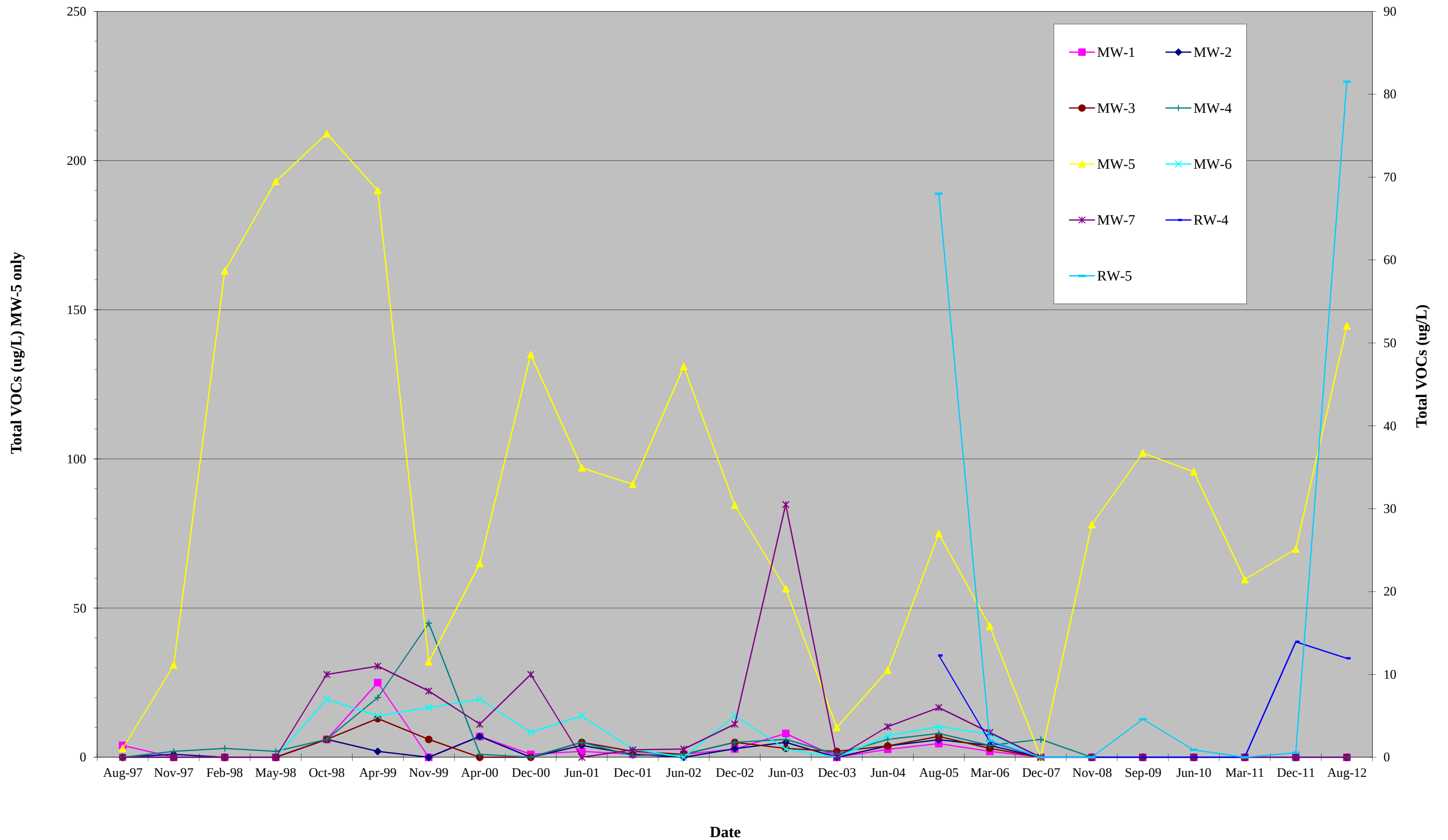


Figure 3.1b
Monitoring Well Concentration Trend
Total SVOCs

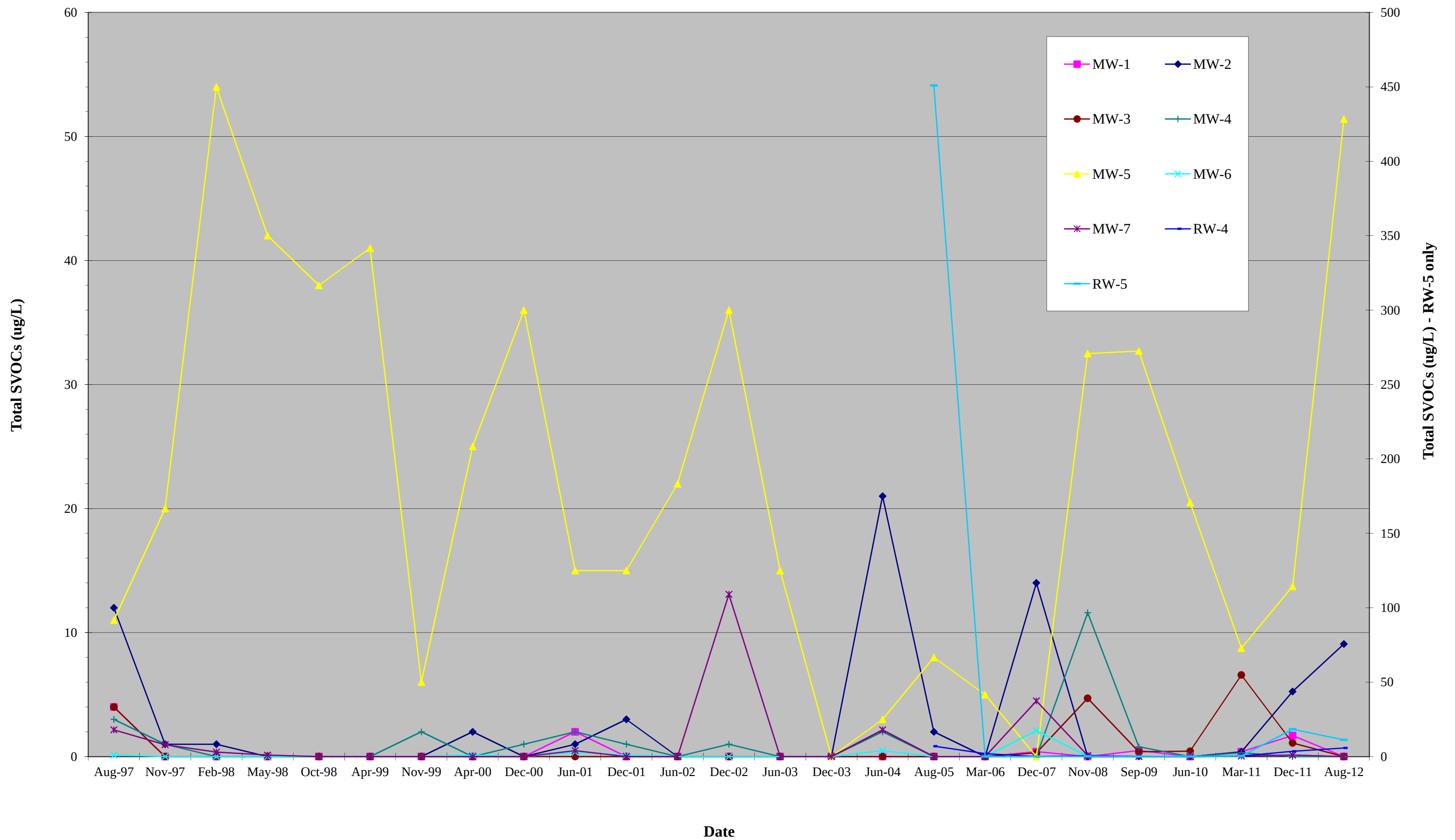


Figure 3.1c
Monitoring Well Concentration Trend
Total PCBs

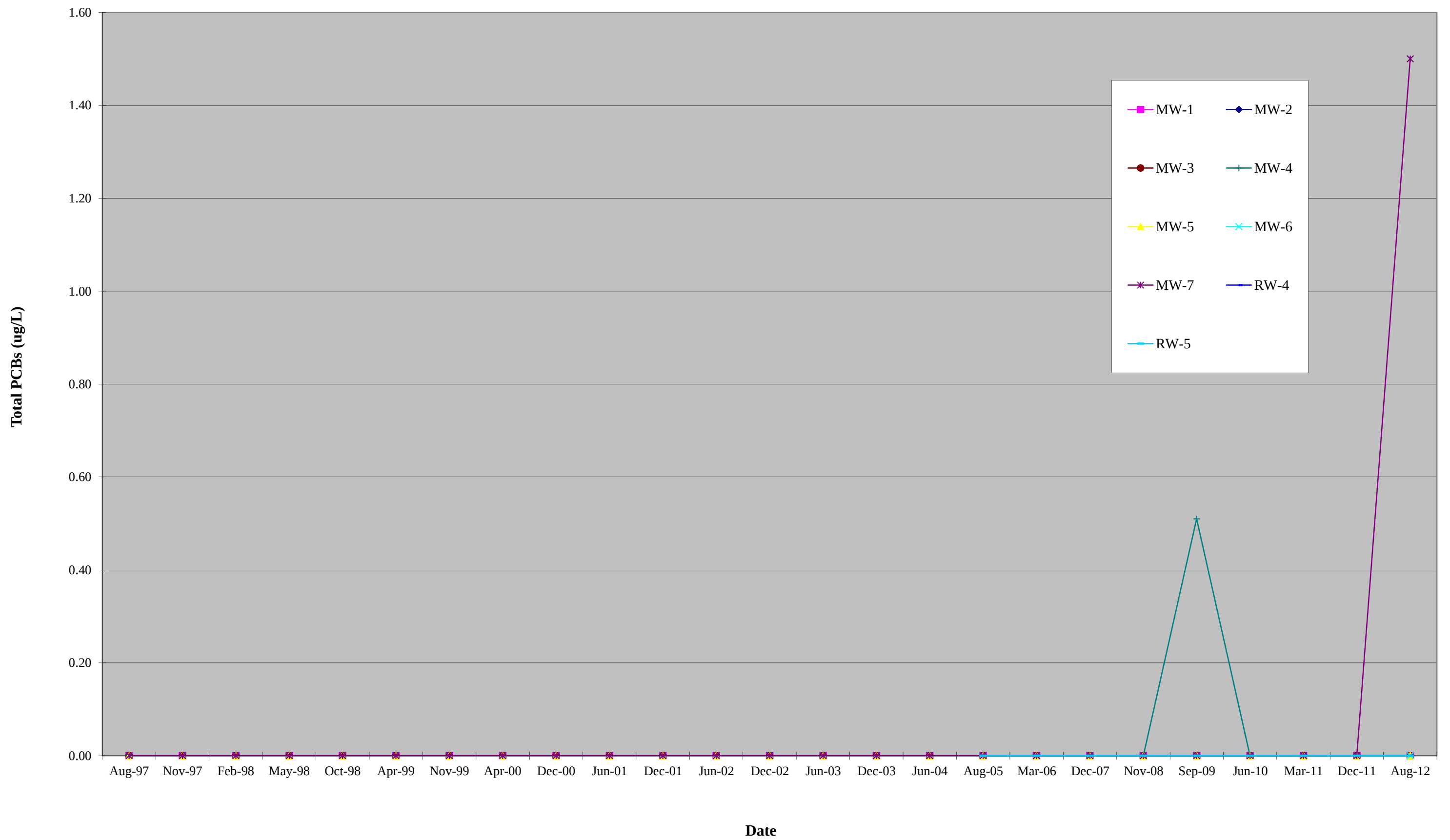


Figure 3.1d
Sump Concentration Trend
Total VOCs

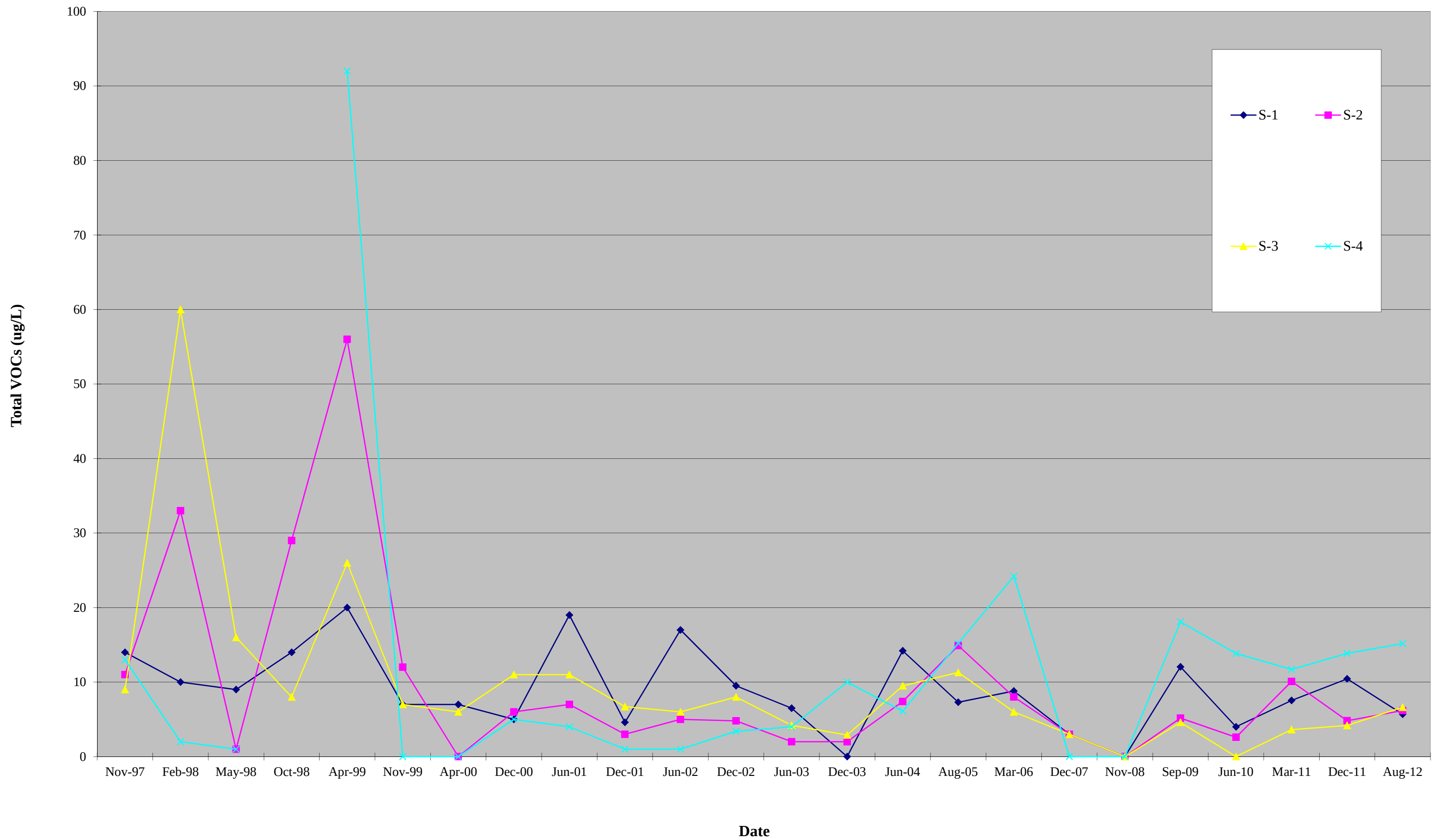


Figure 3.1e
Sump Concentration Trend
Total SVOCs

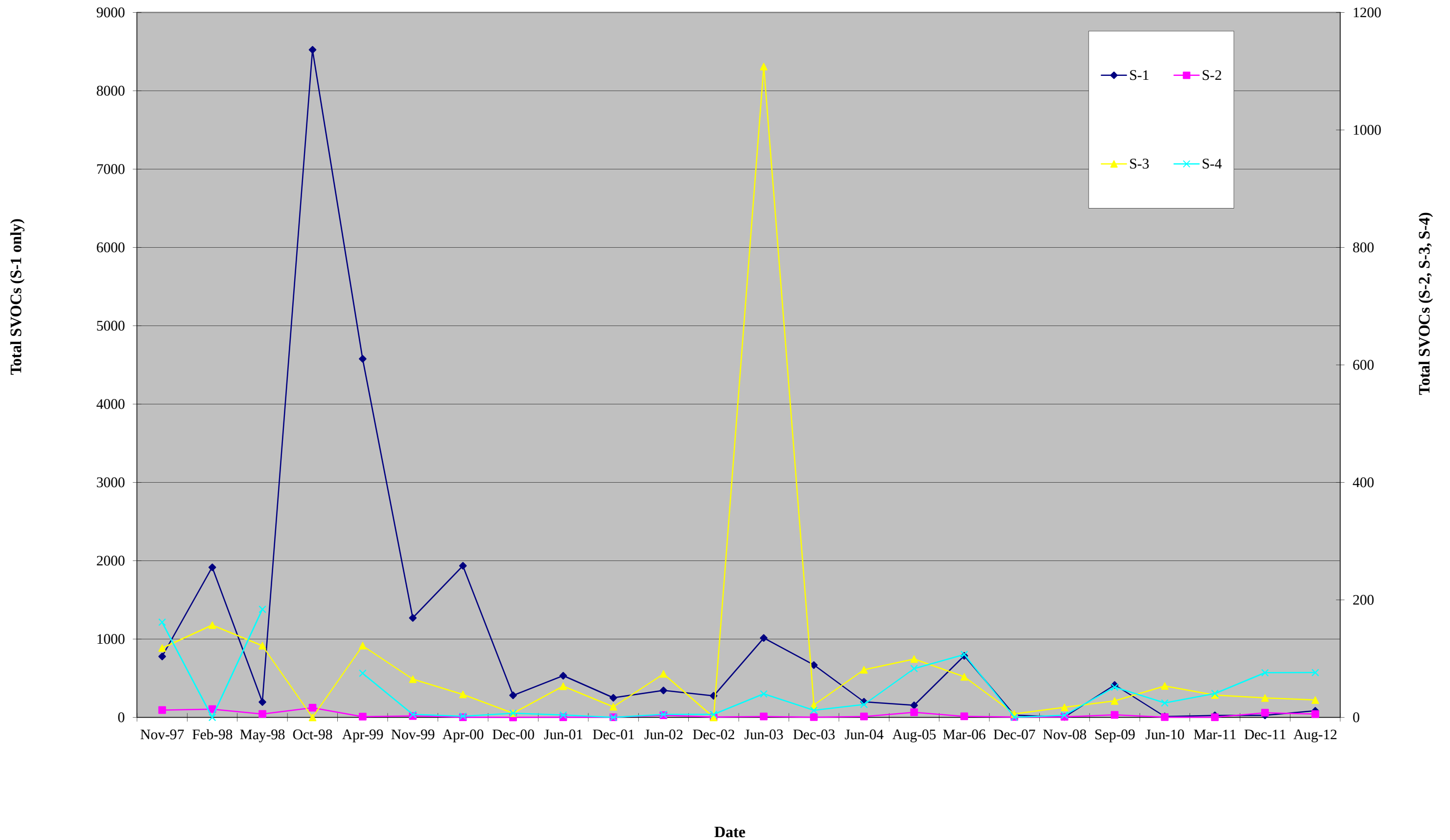


Figure 3.1f
Sump Concentration Trend
Total PCBs

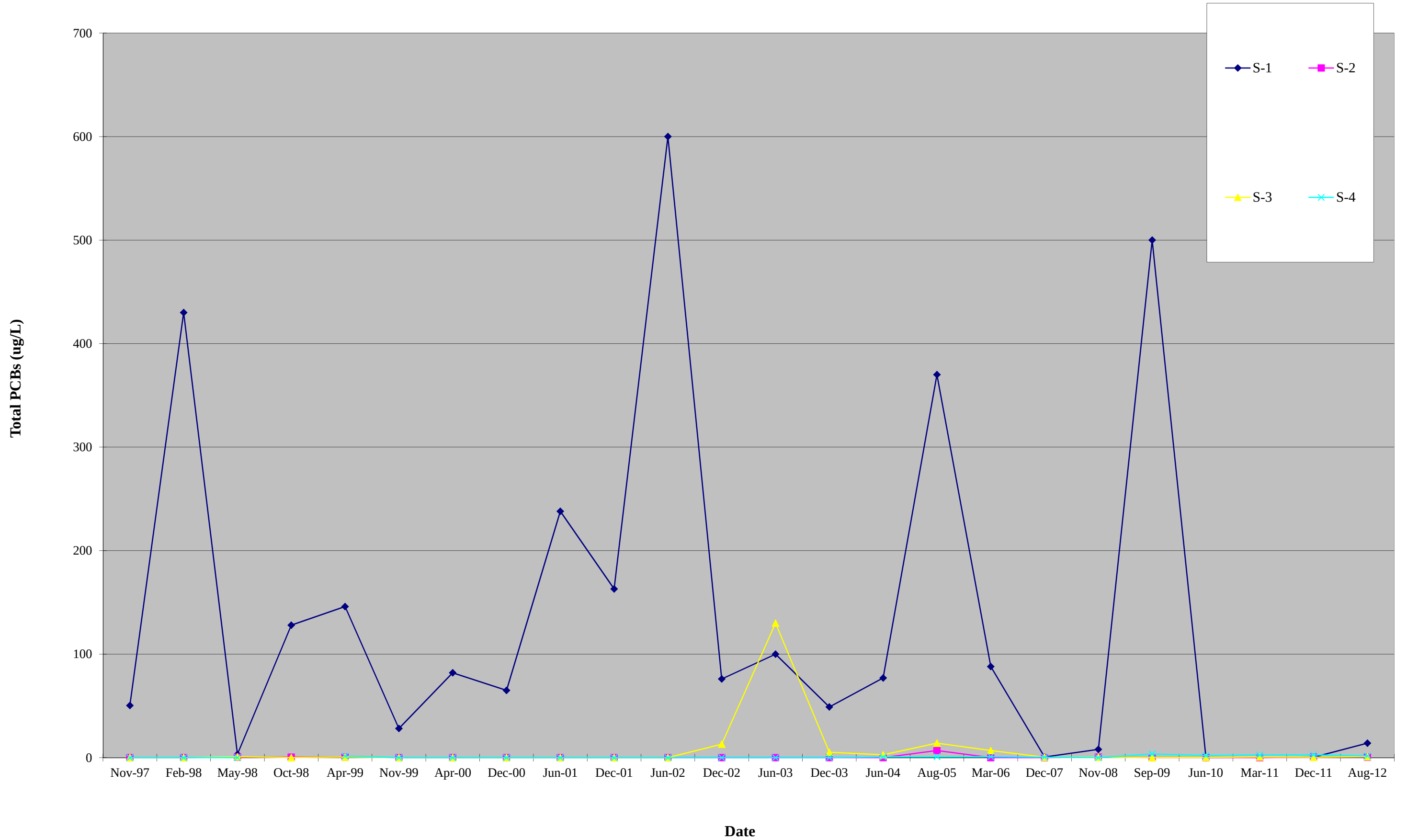


Figure 3.1g
Sump Concentration Trend
Total Pesticides

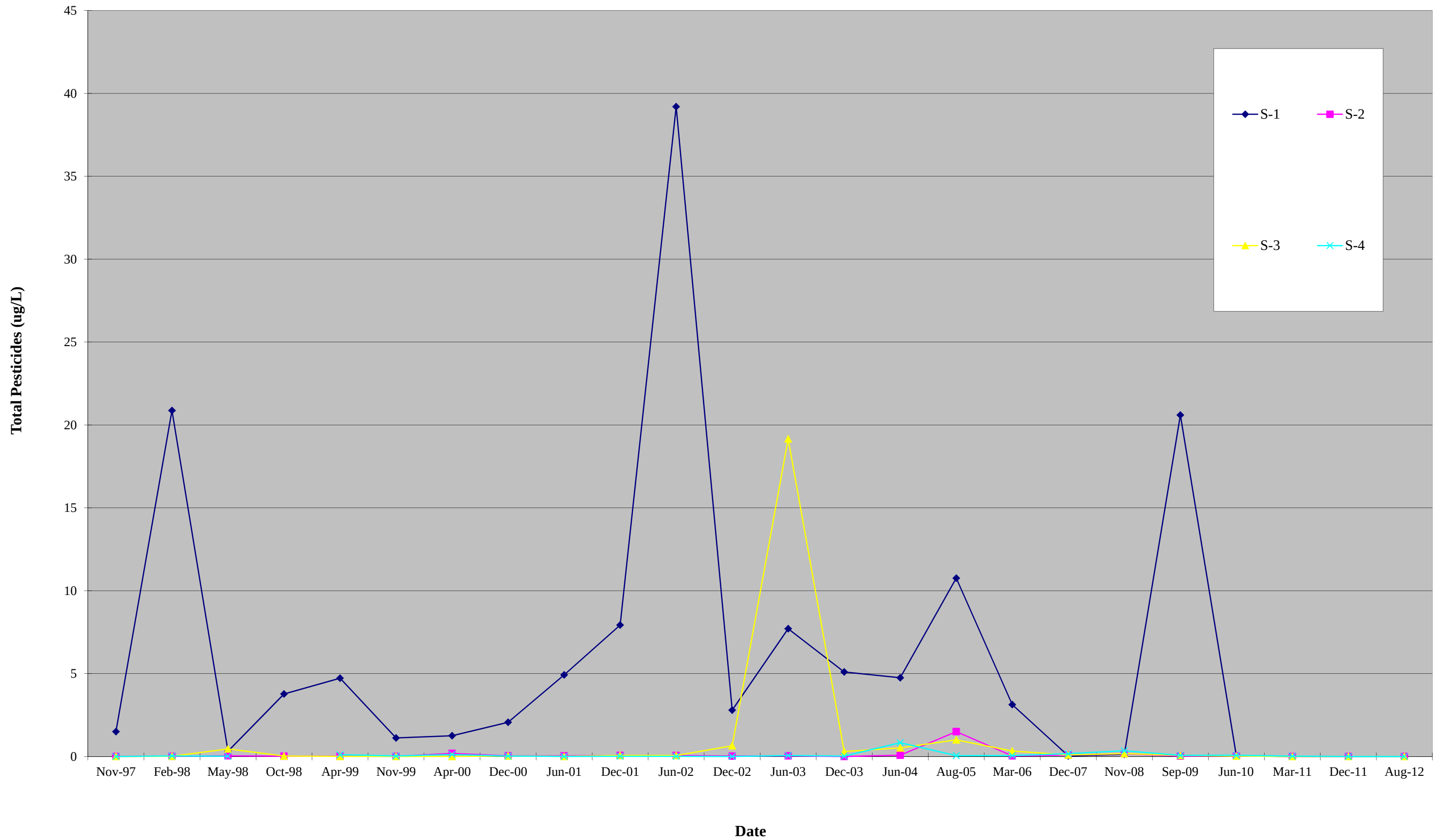
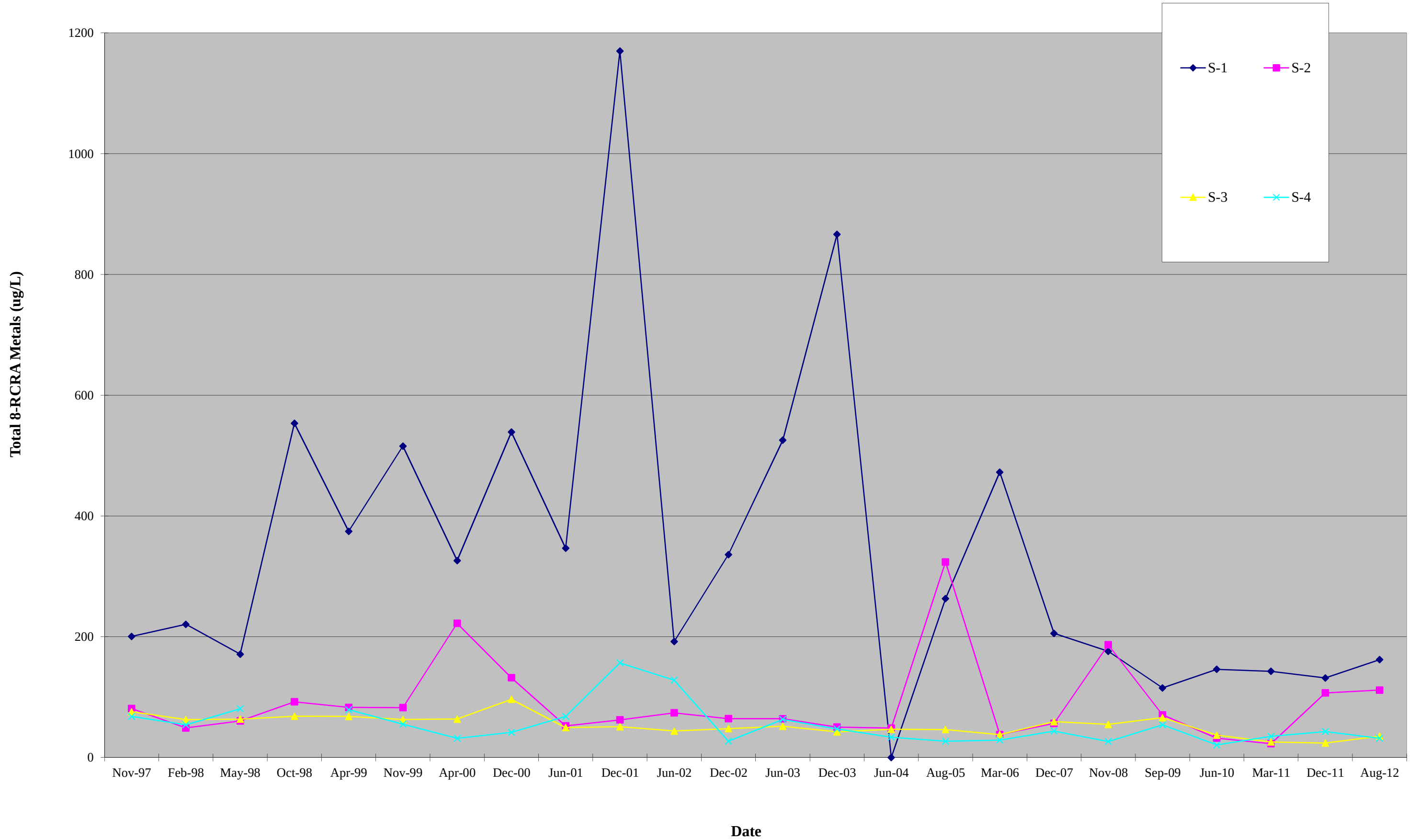
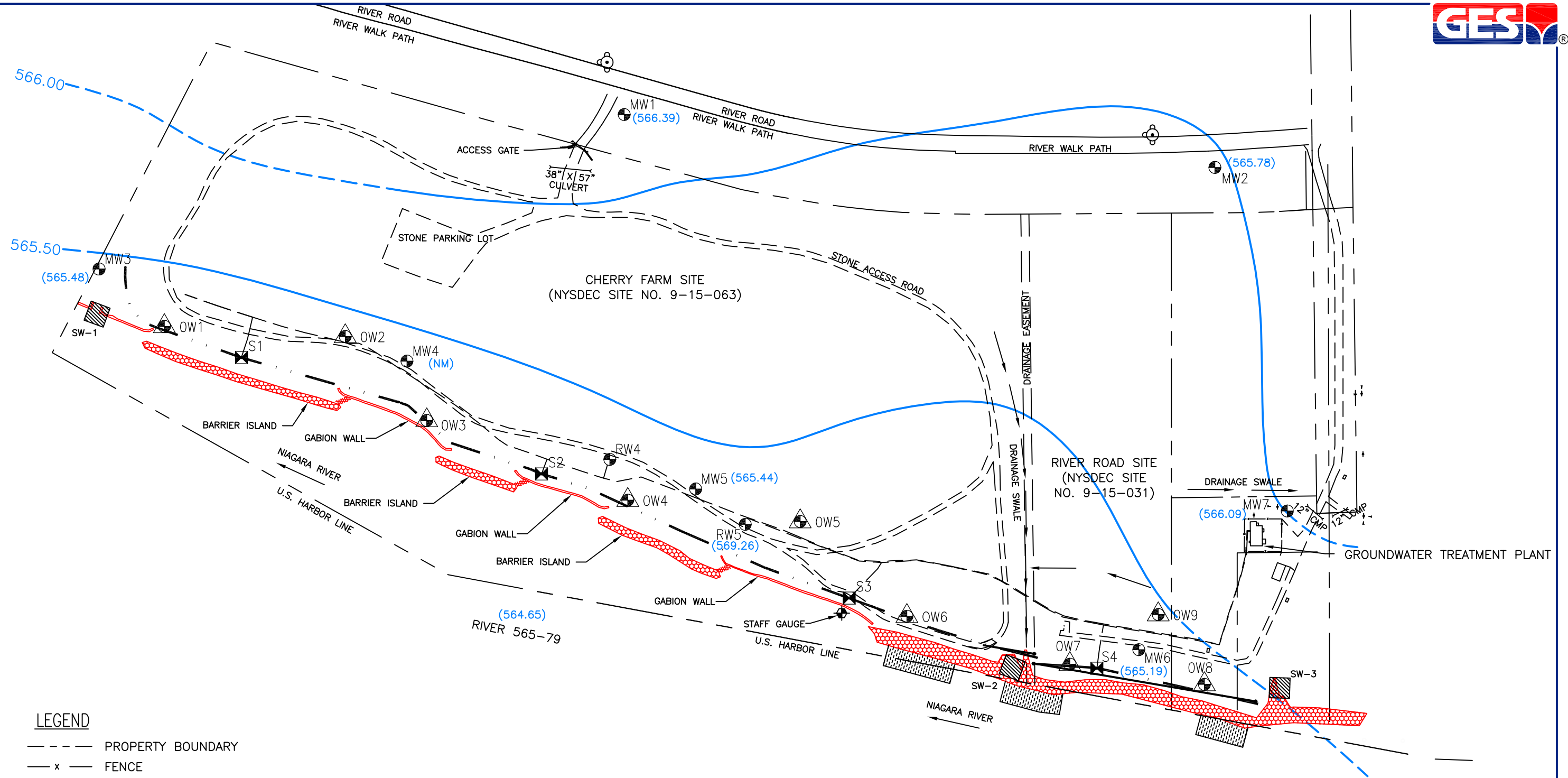
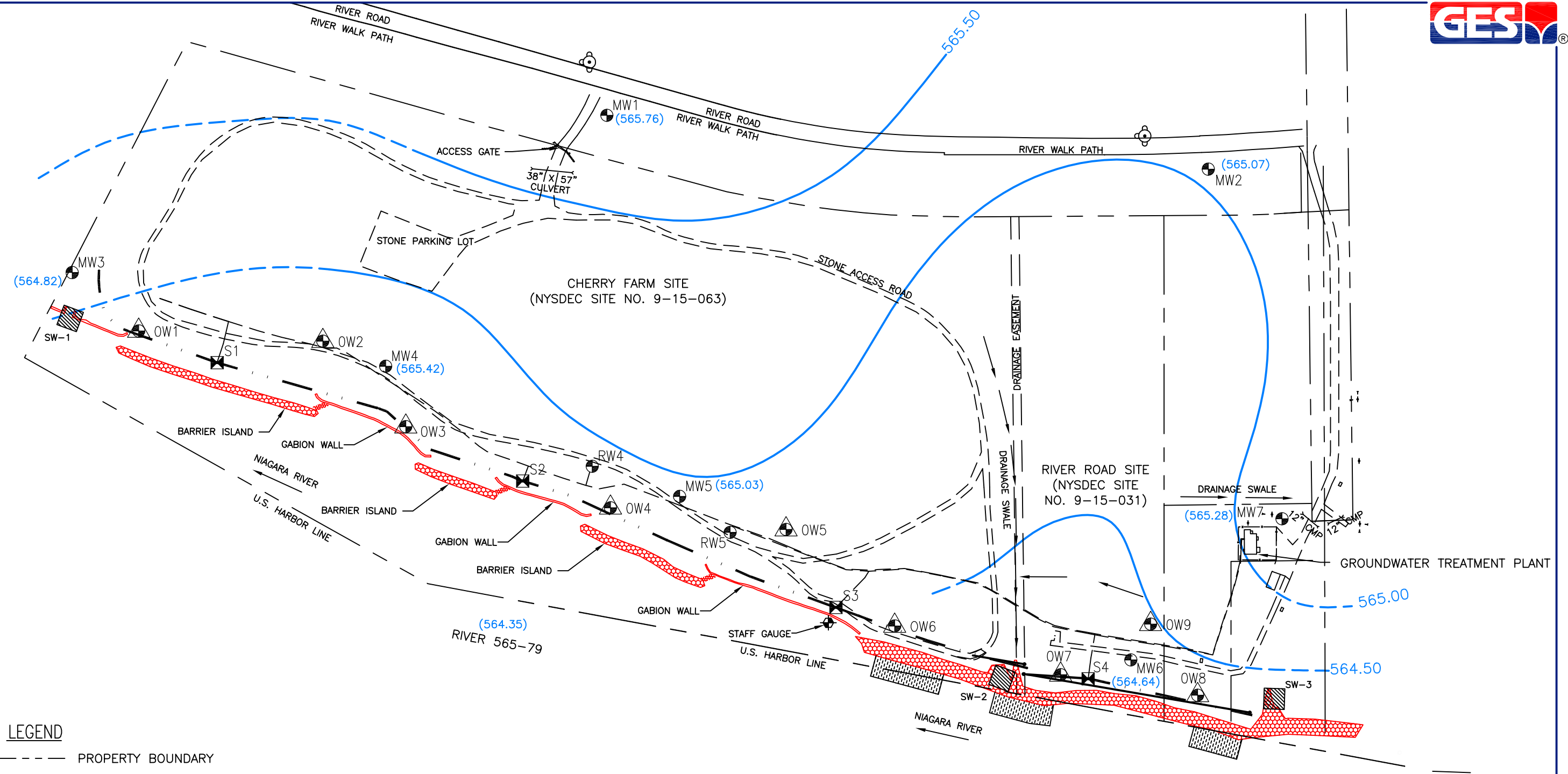


Figure 3.1h
Sump Concentration Trend
Total 8-RCRA Metals





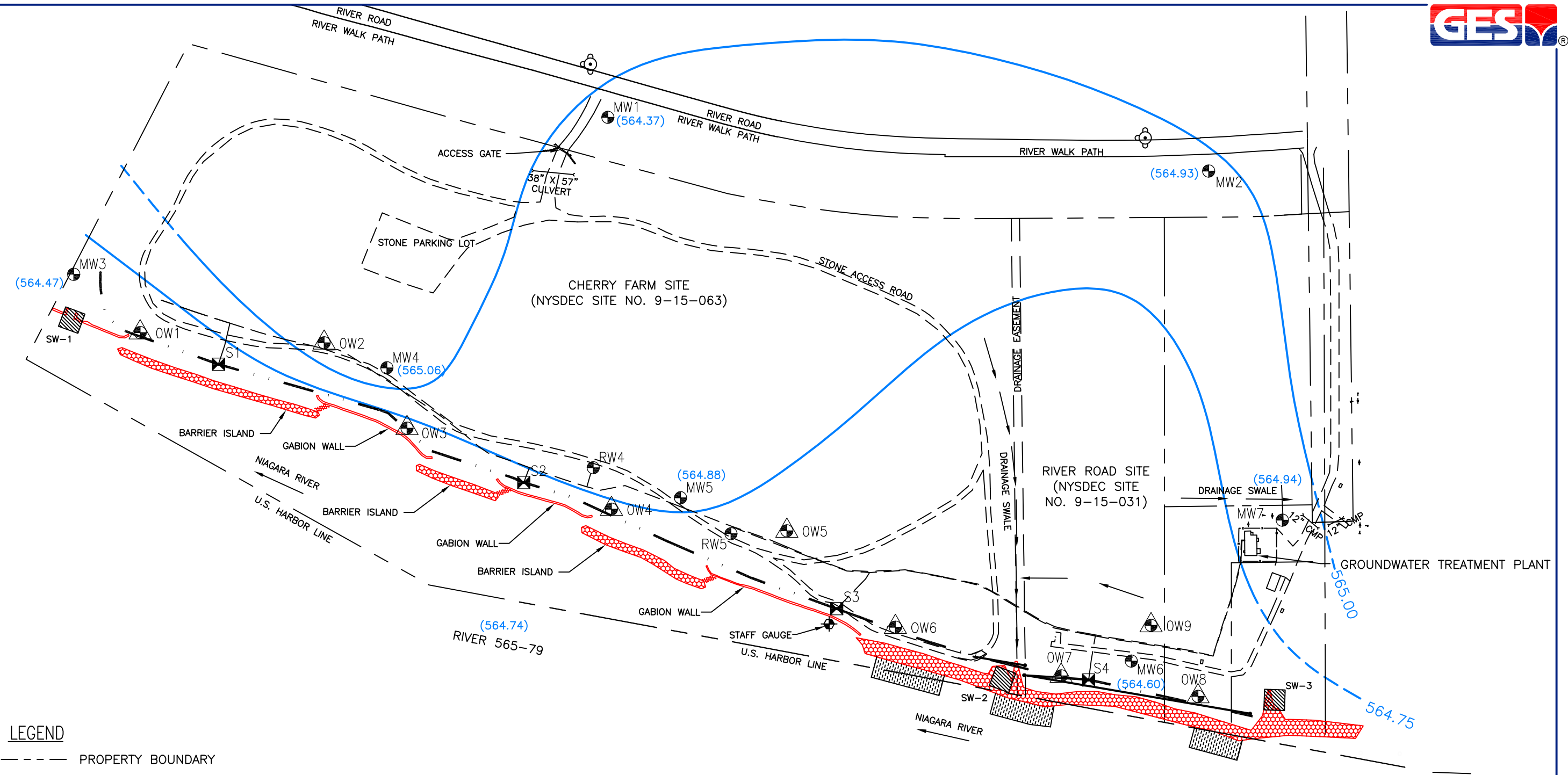
DRAFTED BY: E.M.E. (N.J.)	GROUNDWATER CONTOUR MAP JANUARY 31, 2012		
CHECKED BY:	CHERRY FARM (RIVER ROAD SITE) 4100 RIVER ROAD TONAWANDA, NEW YORK		
REVIEWED BY:	Groundwater & Environmental Services, Inc. 495 AERO DRIVE, SUITE 3, CHEEKTOWAGA, NEW YORK 14225		
NORTH 	SCALE IN FEET 	DATE 5-9-13	FIGURE 3.2a
	0 APPROXIMATE 250		



LEGEND

- PROPERTY BOUNDARY
- x - FENCE
- ▣ TRENCH SUMP
- ⊕ MONITORING WELL
- ⊙ OBSERVATION WELL
- . - SHALLOW GROUNDWATER TRENCH
- - - GROUNDWATER CONVEYANCE PIPING
- (564.64) GROUNDWATER ELEVATION (feet)
- ~ GROUNDWATER CONTOUR (feet)
DASHED WHERE INFERRED

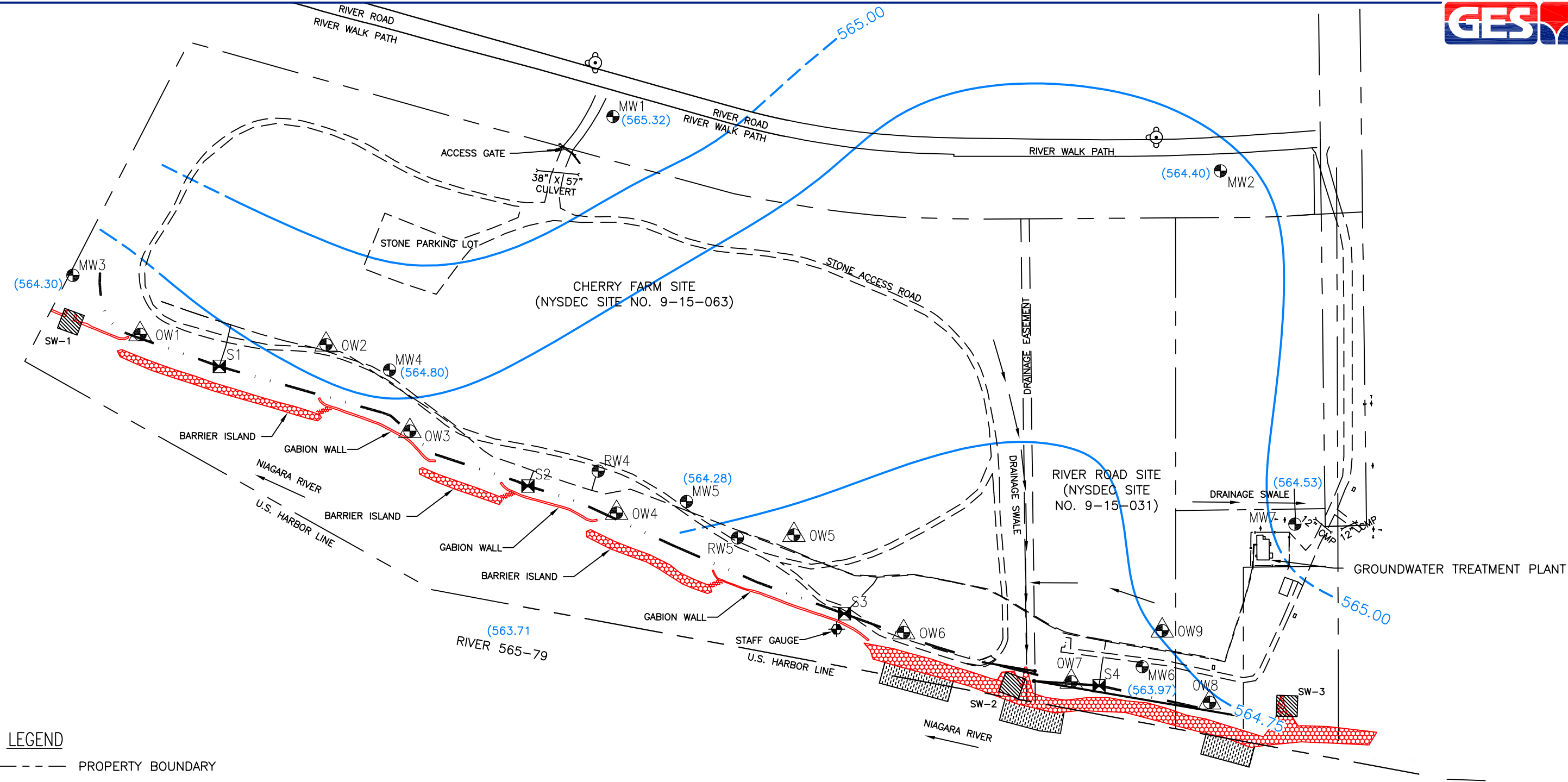
DRAFTED BY: E.M.E. (N.J.)	GROUNDWATER CONTOUR MAP JUNE 11, 2012		
CHECKED BY:	CHERRY FARM (RIVER ROAD SITE) 4100 RIVER ROAD TONAWANDA, NEW YORK		
REVIEWED BY:	Groundwater & Environmental Services, Inc. 495 AERO DRIVE, SUITE 3, CHEEKTOWAGA, NEW YORK 14225		
NORTH 	SCALE IN FEET 	DATE 5-9-13	FIGURE 3.2b
	0 APPROXIMATE 250		



LEGEND

- PROPERTY BOUNDARY
- x - FENCE
- ▣ TRENCH SUMP
- ⊕ MONITORING WELL
- ⊙ OBSERVATION WELL
- . - SHALLOW GROUNDWATER TRENCH
- - - GROUNDWATER CONVEYANCE PIPING
- (564.94) GROUNDWATER ELEVATION (feet)
- ~ GROUNDWATER CONTOUR (feet)
DASHED WHERE INFERRED

DRAFTED BY: E.M.E. (N.J.)	GROUNDWATER CONTOUR MAP AUGUST 6, 2012		
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 	DATE 5-9-13	FIGURE 3.2c
	0 APPROXIMATE 250		



LEGEND

- PROPERTY BOUNDARY
- x - FENCE
- ▣ TRENCH SUMP
- ⊕ MONITORING WELL
- ⊙ OBSERVATION WELL
- . - SHALLOW GROUNDWATER TRENCH
- - - GROUNDWATER CONVEYANCE PIPING
- (563.71) GROUNDWATER ELEVATION (feet)
- ~ GROUNDWATER CONTOUR (feet)
- - - DASHED WHERE INFERRED

DRAFTED BY: E.M.E. (N.J.)	GROUNDWATER CONTOUR MAP NOVEMBER 28, 2012		
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 	DATE 5-9-13	FIGURE 3.2d
	0 APPROXIMATE 250		

Figure 3.3a
Monitoring Well Hydrograph (2008-2012)
MW-1, MW-2, MW-3, and Staff Gauge

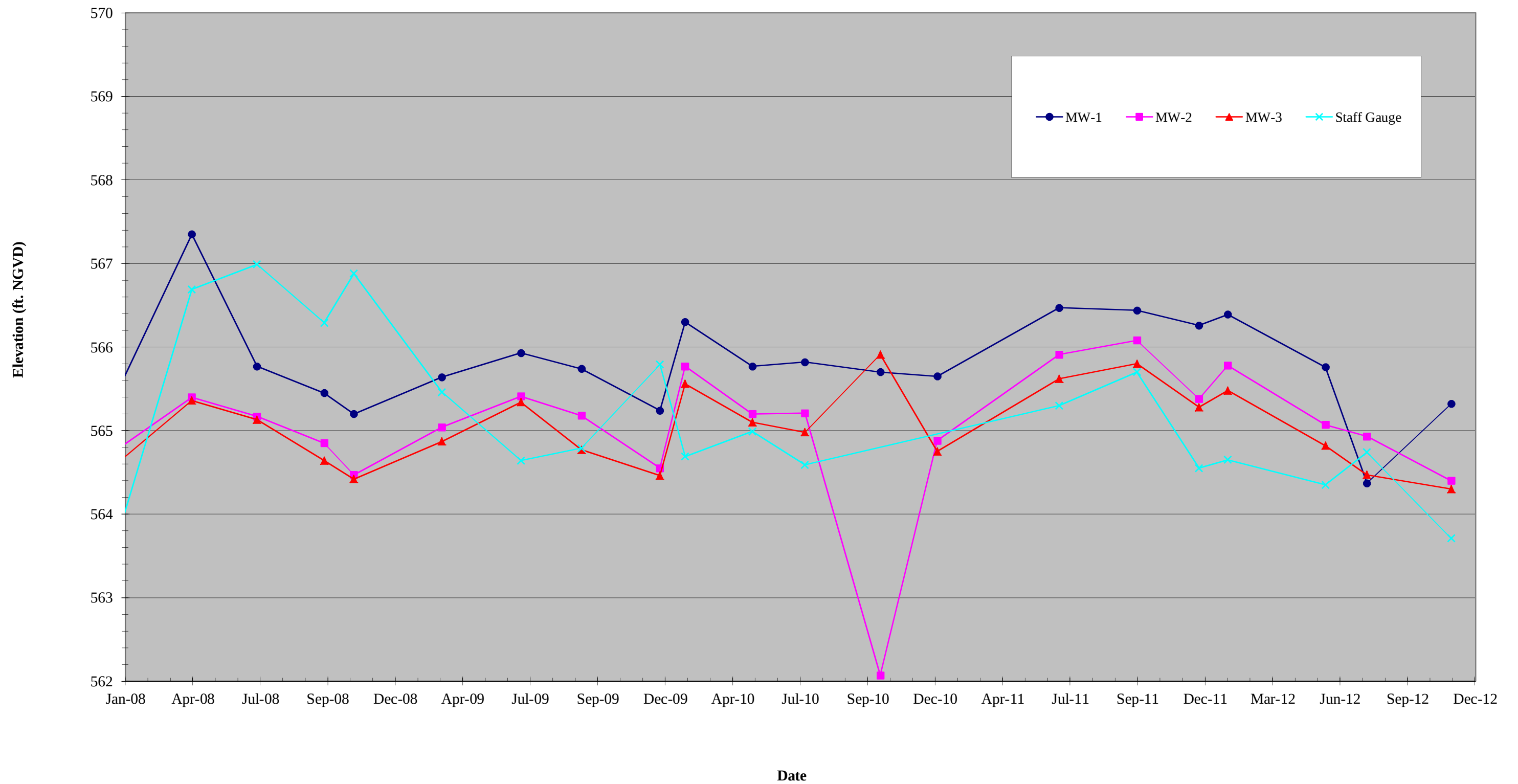
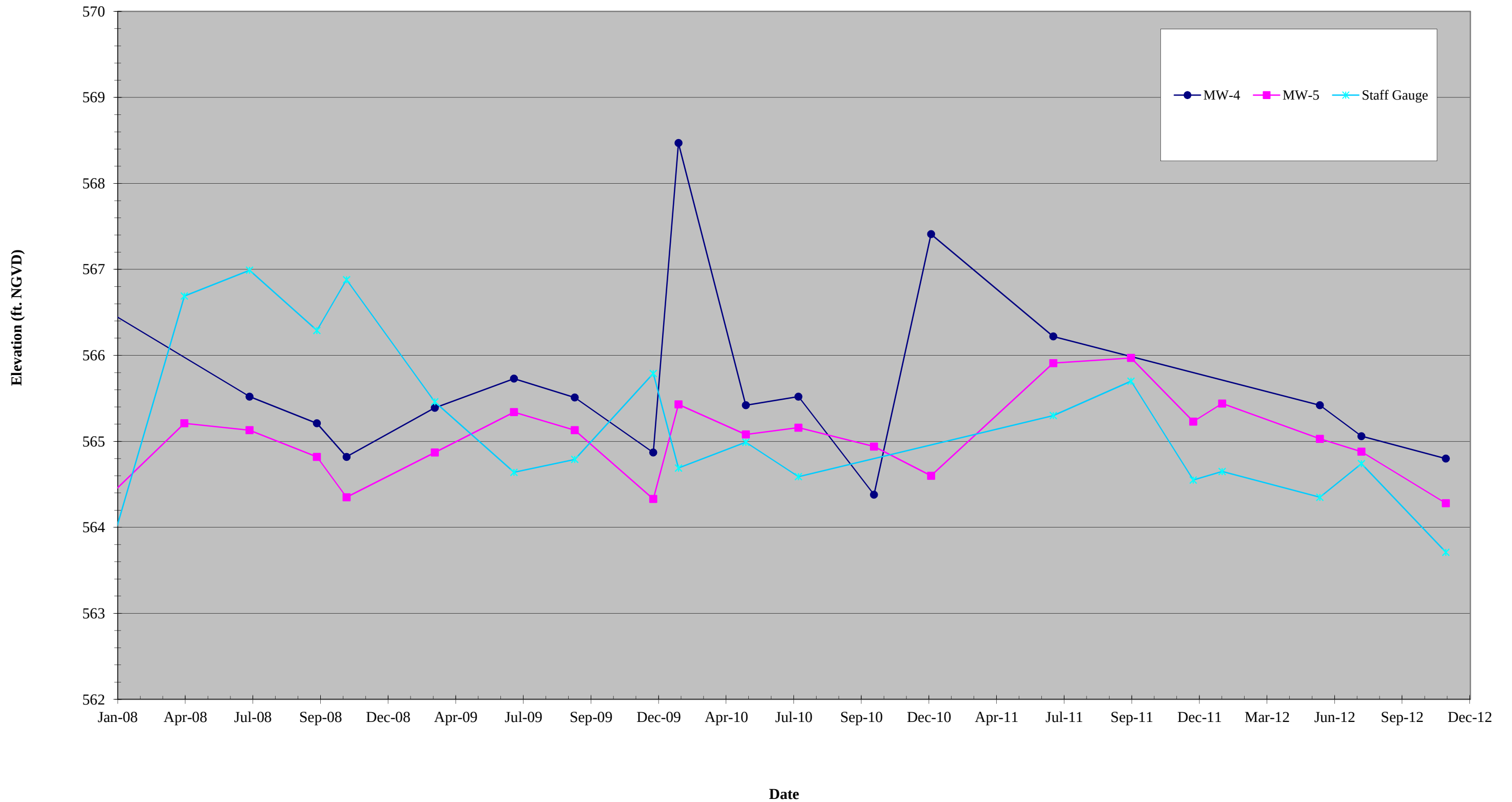
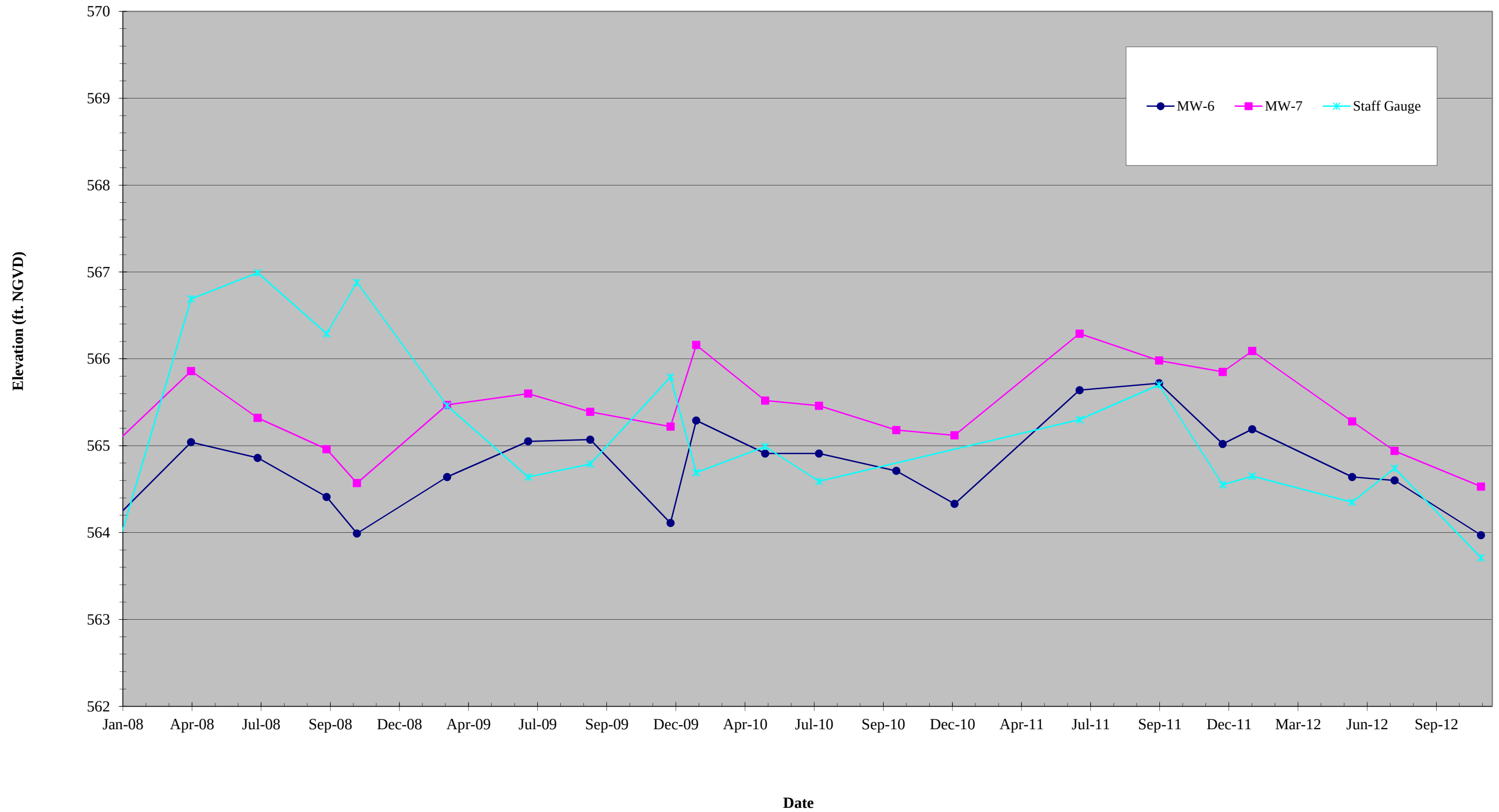


Figure 3.3b
Monitoring Well Hydrograph (2008-2012)
MW-4, MW-5, and Staff Gauge



NGVD-National Geodetic Vertical Datum

Figure 3.3c
Monitoring Well Hydrograph (2008-2012)
MW-6, MW-7, and Staff Gauge



NGVD-National Geodetic Vertical Datum

Figure 3.3d
Monitoring Well Hydrograph (2008-2012)
RW-4, RW-5, and Staff Gauge

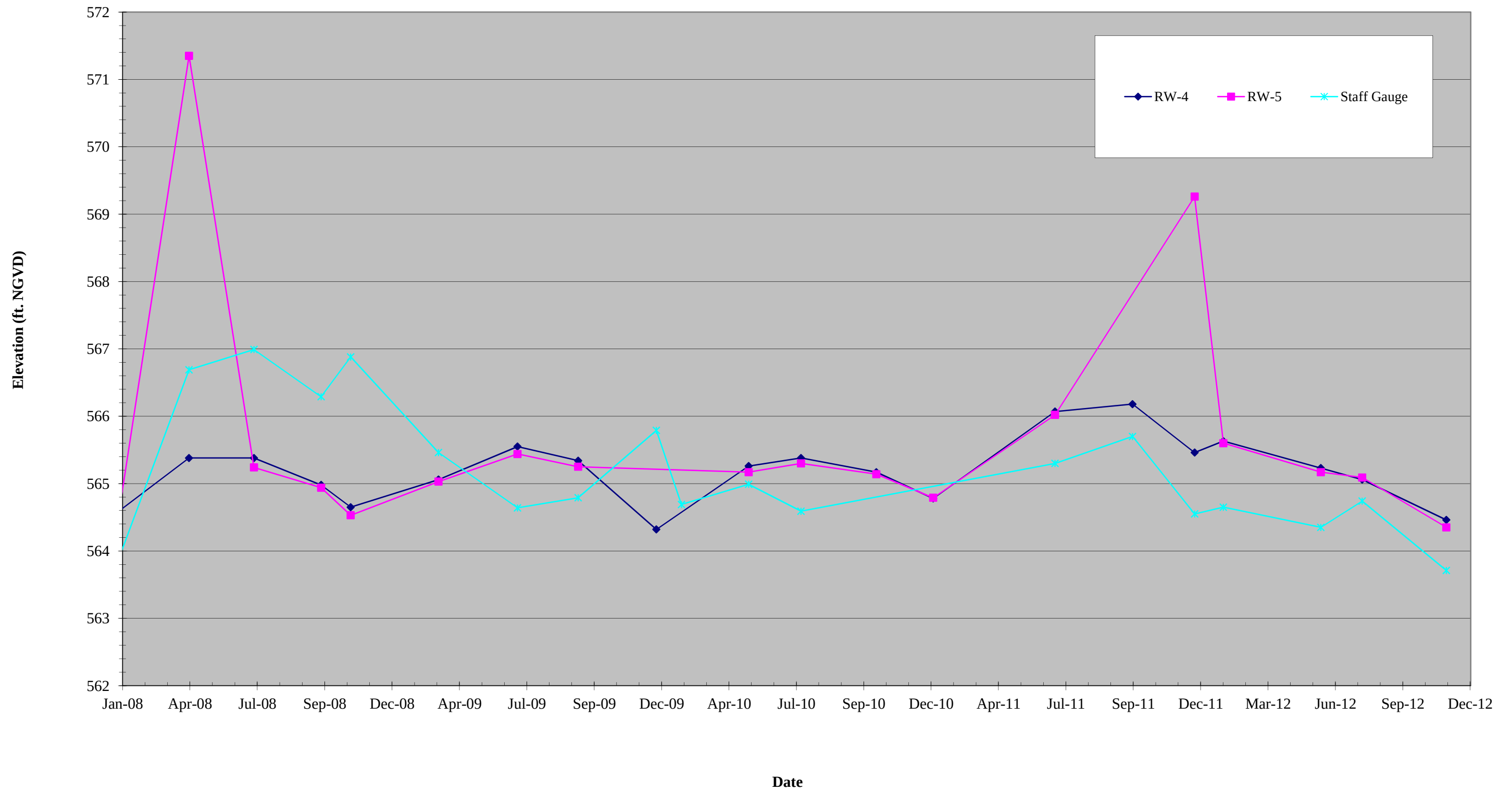


Figure 3.4a
Sump Hydrograph (2008-2012)
S1, S-2, S-3, S-4, and Staff Gauge

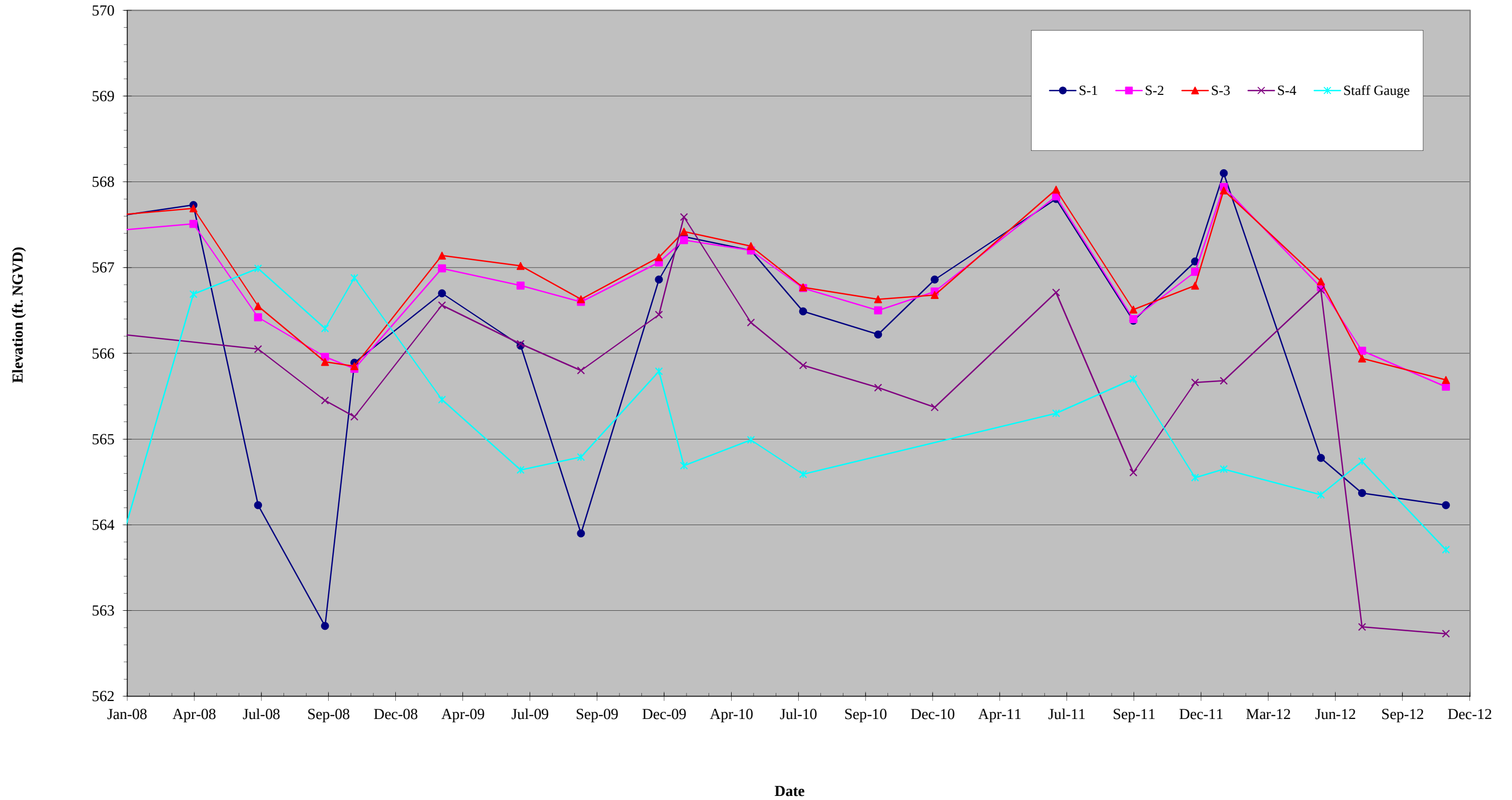
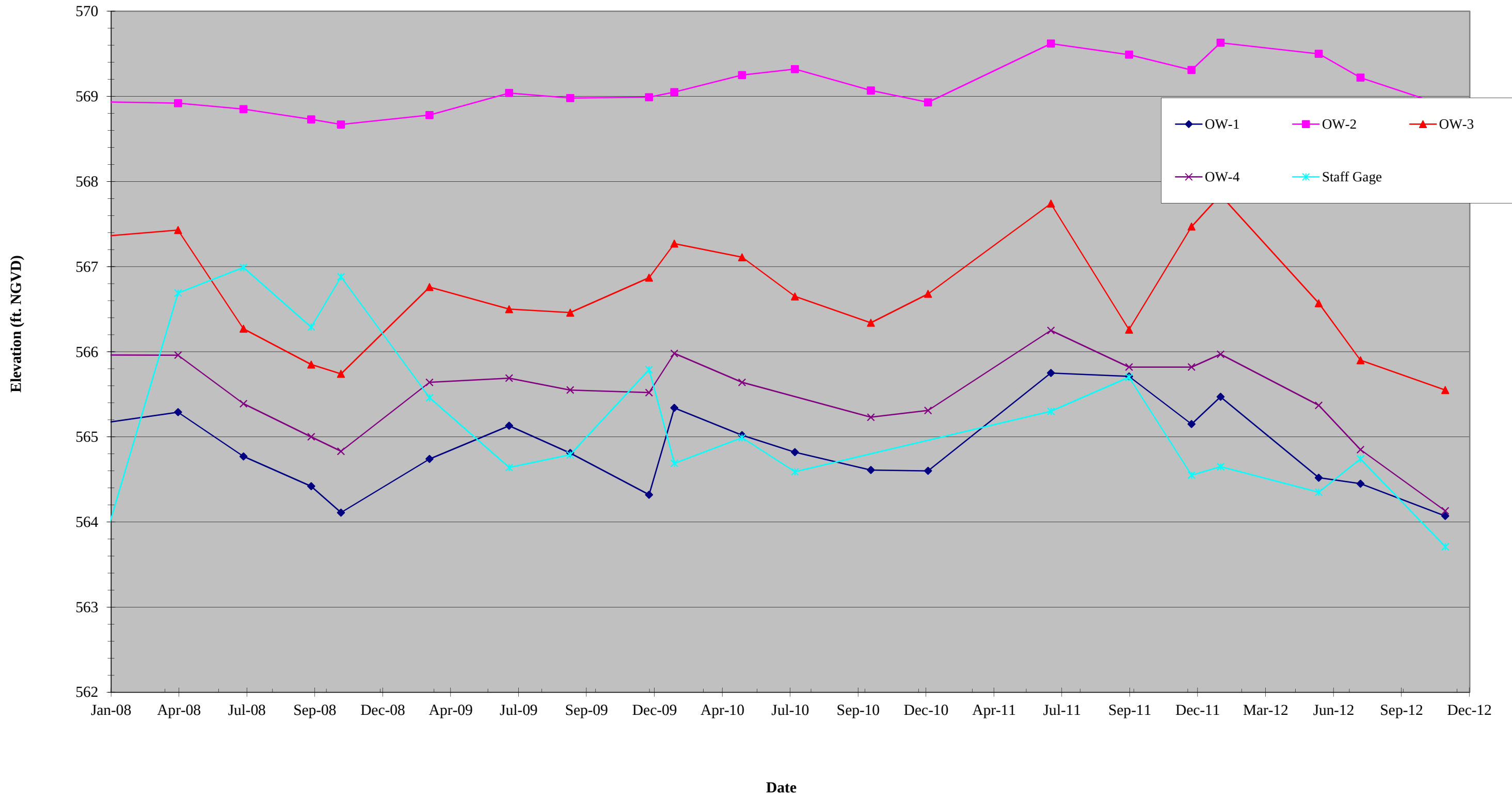
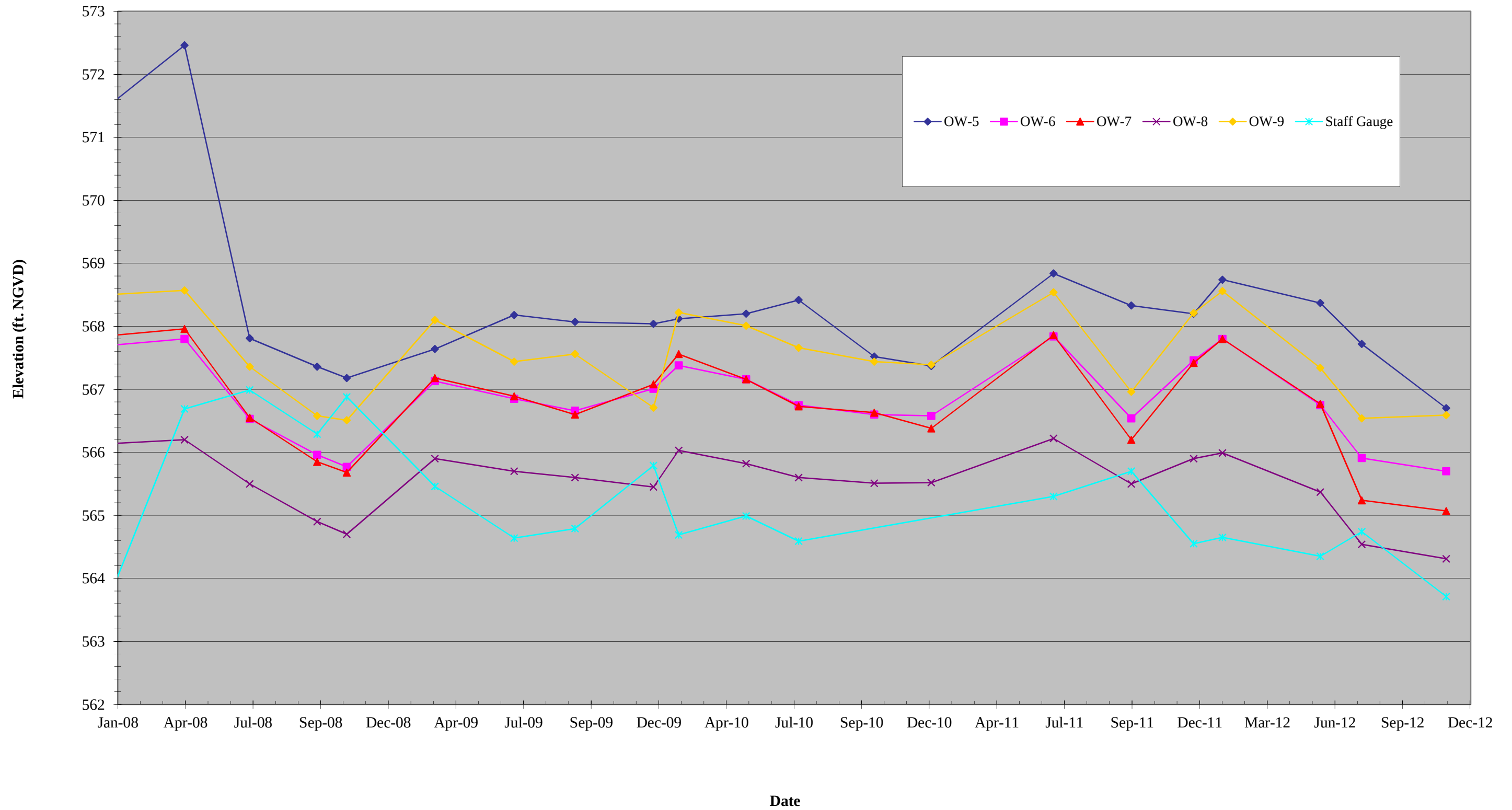


Figure 3.4b
Observation Well Hydrograph (2008-2012)
OW-1, OW-2, OW-3, OW-4, and Staff Gauge



NGVD-National Geodetic Vertical Datum

Figure 3.4c
Observation Well Hydrograph (2008-2012)
OW-5, OW-6, OW-7, OW-8, OW-9, and Staff Gauge



TABLES

Table 2.1
Institutional and Engineering Controls Summary

Controls for Cherry Farm	Description	Monitoring Program	Monitoring Frequency	Deficiencies	Corrective Measures
Building Use Restriction	Restrictions 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	Restrictions 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 permeability 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 erosion.	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
2012 Groundwater Elevation Summary

WELL NAME	WELL SIZE	1/31/2012 ELEVATION (FEET)	6/11/2012 ELEVATION (FEET)	8/6/2012 ELEVATION (FEET)	11/28/2012 ELEVATION (FEET)
MW-1	2"	566.39	565.76	564.37	565.32
MW-2	2"	565.78	565.07	564.93	564.40
MW-3	2"	565.48	564.82	564.47	564.30
MW-4 ¹	2"	NM	565.42	565.06	564.80
MW-5	2"	565.44	565.03	564.88	564.28
MW-6	2"	565.19	564.64	564.60	563.97
MW-7	2"	566.09	565.28	564.94	564.53
OW-1	1 1/2"	565.47	564.52	564.45	564.07
OW-2	1 1/2"	569.63	569.50	569.22	568.89
OW-3	1 1/2"	567.84	566.57	565.90	565.55
OW-4	1 1/2"	565.97	565.37	564.85	564.13
OW-5	1 1/2"	568.74	568.37	567.72	566.70
OW-6	1 1/2"	567.80	566.75	565.91	566.70
OW-7	1 1/2"	567.80	566.77	565.24	565.70
OW-8	1 1/2"	565.99	565.37	564.54	565.70
OW-9	1 1/2"	568.56	567.34	566.54	565.07
RW-4	8"	565.63	565.23	565.06	564.31
RW-5	8"	565.60	565.17	565.09	566.59
S-1	vault	568.10	564.78	564.37	564.23
S-2	vault	567.94	566.77	566.03	565.61
S-3	vault	567.90	566.84	565.94	565.69
S-4	vault	565.68	566.74	562.81	562.73
SG	NA	564.65	564.35	564.74	563.71

Notes:

NA = Not applicable

NM = Not Measured

1 = MW-4 was not gauged during the January gauging event due to ponded water covering the well.

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

Date	Non-Routine Maintenance Item
January 2012	The system was down on two occasions due to freezing of the caustic line. The caustic line was thoroughly cleaned. Sumps 1,2 and 3 were down for three days while the process lines were treated with acid and the pumps were cleaned.
February 2012	The system was down for a day due to problems with the caustic delivery system. The system was also down for a day while new flow meters were installed on the clear well and the sump influent lines.
April 2012	The system was down for a day due to the failure of a motor starter on clearwell pump number 1. The starter was replaced. The system was also shut down for two days for system cleaning. The foul-out treatment was initiated on 4/24/2012.
May through September 2012	Foul-out/acid treatment of sump influent lines was continued.
September 2012	The pump motor in Sump #4 was replaced.
October through December 2012	The system was down several times due to issues with gelling/freezing in the caustic delivery system as well as system shutdowns due to clogged bag filters. Caustic line cleaning and changeout of bag filters was completed as needed

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:	480-23574-7	480-23574-8	480-23574-9	480-23574-1	480-23574-2	480-23574-3	480-23574-4	480-23574-5	480-23574-6
Year 2012	Groundwater	Depth:	12.37	14.3	6.68	13.13	19.9	21.75	21.55	17.7	17.45
Detected Compound Summar	Standards/ Guidance Values	Source:	TA	TA	TA	TA	TA	TA	TA	TA	TA
		SDG:	480-23574	480-23574	480-23574	480-23574	480-23574	480-23574	480-23574	480-23574	480-23574
		Matrix:	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
		Sampled:	8/7/2012	8/7/2012	8/7/2012	8/7/2012	8/7/2012	8/7/2012	8/7/2012	8/7/2012	8/7/2012
COMPOUND		UNITS:									
VOLATILES											
Benzene	0.7	µg/L	U	U	U	U	97	U	U	6.5	41
Ethylbenzene	5	µg/L	U	U	U	U	7.6	U	U	1.6	15
Toluene	5	µg/L	U	U	U	U	11	U	U	0.55 J	1.5
Total Xylenes	5	µg/L	U	U	U	U	29	U	U	3.3	24
SEMIVOLATILES											
2,4-Dimethylphenol	1	µg/L	U	U	U	U	8.0	U	U	U	U
2-Methylnaphthalene	NS	µg/L	U	U	U	U	U	U	U	U	1.7 J
2-Methylphenol	1	µg/L	U	U	U	U	2.3 J	U	U	U	U
4-Methylphenol	1	µg/L	U	U	U	U	2.1 J	U	U	U	U
Acenaphthylene	NS	µg/L	U	U	U	U	U	U	U	U	0.77 J
Benzo[a]anthracene	0.002 (G)	µg/L	U	1.0 J	U	U	U	U	U	U	U
Benzo[a]pyrene	NS	µg/L	U	0.83 J	U	U	U	U	U	U	U
Benzo[b]fluoranthene	0.002 (G)	µg/L	U	1.1 J	U	U	U	U	U	U	U
Benzo[g,h,i]perylene	NS	µg/L	U	0.50 J	U	U	U	U	U	U	U
Chrysene	0.002 (G)	µg/L	U	0.86 J	U	U	U	U	U	U	U
Fluoranthene	50 (G)	µg/L	U	1.7 J	U	U	U	U	U	U	U
Indeno[1,2,3-cd]pyrene	0.002 (G)	µg/L	U	0.59 J	U	U	U	U	U	U	U
Naphthalene	10 (G)	µg/L	U	U	U	U	39	U	U	5.8	8.8
Phenanthrene	50 (G)	µg/L	U	1.1 J	U	U	U	U	U	U	U
Pyrene	50 (G)	µg/L	U	1.4 J	U	U	U	U	U	U	U
PCBs											
Aroclor 1242	0.09	µg/L	U	U	U	U	U	U	1.5	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.

Table 3.2
Detected Compound Summary
Sump Samples

Cherry Farm	NYSDEC	Sample ID:	S-1	S-2	S-3	S-4
Groundwater Analytical Data	Class GA	Lab Sample Id:	480-2227-1	480-2227-2	480-2227-3	480-2227-4
Year 2012	Groundwater	Source:	TA	TA	TA	TA
Detected Compound Summary	Standards/Guidance Values	SDG:	480-2185	480-2185	480-2185	480-2185
		Matrix:	WATER	WATER	WATER	WATER
		Sampled:	3/4/2011	3/4/2011	3/4/2011	3/4/2011
COMPOUND		UNITS:				
VOLATILES						
1,1-Dichloroethane	5	µg/L	U	1.0	2.2	1.8
1,2-Dichloroethane, Total	NS	µg/L	U	U	U	1.7 J
Acetone	50 (G)	µg/L	4.1 J	4.3 J	U	U
Benzene	0.7	µg/L	0.41 J	0.44 J	0.50 J	0.96 J
Chloroethane	5	µg/L	0.69 J	U	U	U
Ethylbenzene	5	µg/L	U	U	U	1.2
Tetrachloroethene	5	µg/L	0.49 J	0.44 J	0.49 J	0.98 J
Toluene	5	µg/L	U	U	0.94 J	1.1
Trichloroethene	5	µg/L	U	U	U	0.73J
Xylenes, total	5	µg/L	U	U	2.5	6.7
SEMIVOLATILES						
2,4-Dimethylphenol	1	µg/L	65	21	11	18
2-Methylnaphthalene	NS	µg/L	0.72 J	1.6 J	0.67 J	2.7 J
2-Methylphenol	1	µg/L	U	U	5.1	13
4-Methylphenol	1	µg/L	U	5.5 J	6.7 J	24
Acenaphthene	20 (G)	µg/L	U	0.73 J	0.74 J	1.5 J
Acenaphthylene	NS	µg/L	U	U	U	0.70 J
Anthracene	50 (G)	µg/L	0.64 J	0.29 J	U	0.93 J
Benzo[a]anthracene	0.002 (G)	µg/L	0.74 J	U	U	U
Benzo[a]pyrene	NS	µg/L	0.77 J	U	U	U
Benzo[b]fluoranthene	0.002 (G)	µg/L	1.1 J	U	U	U
Benzo[g,h,i]perylene	NS	µg/L	0.65 J	U	U	U
Bis(2-ethylhexyl) phthalate	5	µg/L	6.3	U	U	U
Carbazole	NS	µg/L	0.96 J	0.91 J	0.49 J	1.3 J
Chrysene	0.002 (G)	µg/L	0.73 J	U	U	U
Dibenzofuran	NS	µg/L	U	U	U	0.75 J
Dimethyl phthalate	50 (G)	µg/L	U	7.2	U	U
Di-n-butyl phthalate	50	µg/L	0.80 J	1.3 J	0.39 J	U
Fluoranthene	50 (G)	µg/L	1.4 J	0.39 J	U	0.73 J
Fluorene	50 (G)	µg/L	0.77 J	0.58 J	0.65 J	1.3 J
Indeno[1,2,3-cd]pyrene	0.002 (G)	µg/L	0.54 J	U	U	U
Naphthalene	10 (G)	µg/L	U	1.7 J	2.9 J	9.9
Phenanthrene	50 (G)	µg/L	0.75 J	0.65 J	0.92 J	0.95 J
Pyrene	50 (G)	µg/L	1.9 J	0.48 J	U	0.53 J
PCBs						
Aroclor 1016		µg/L	U	U	U	1.7
Aroclor 1242	Sum of all PCBs	µg/L	U	0.46 J	0.93	U
Aroclor 1248	is <0.09	µg/L	8.3	U	U	U
Aroclor 1260		µg/L	5.7	U	U	U
INORGANICS						
Aluminum	NS	µg/L	630	460	290	500
Arsenic	25	µg/L	U	U	6.4 J	8.8 J
Barium	1,000	µg/L	160 B	110 B	29 B	23 B
Calcium	NS	µg/L	58,800	65,800	54,100	93,200
Chromium	50	µg/L	2.1 J	1.6 J	U	U
Copper	200	µg/L	6.7 J	7.8 J	U	2.2 J
Iron	300	µg/L	4,800	3,400	37 J	720
Magnesium	35,000 (G)	µg/L	12,800	7,400	U	970
Manganese	300	µg/L	720	430	U	100
Nickel	100	µg/L	3.0 J	2.6 J	1.4 J	U
Potassium	NS	µg/L	17,600	27,600	39,900	51,200
Sodium	20,000	µg/L	69,600	63,200	51,800	50,400
Vanadium	NS	µg/L	2.2 J	9.1	16	11
Zinc	2,000 (G)	µg/L	8.2 J	20	U	3.6 J
Cyanide	200	µg/L	7.4 J	29	66	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

August 2012
Analytical Data

Appendix A-1
August 2012 Analytical Data
Monitoring Well Samples
Volatile Organic Compounds

Cherry Farm/River Road August 2012 Monitoring Well Sampling	NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample Id: Depth: Source: SDG: Matrix: Sampled:	MW-1 480-23574-7 12.37 TA 480-23574 WATER 8/7/2012	MW-2 480-23574-8 14.3 TA 480-23574 WATER 8/7/2012	MW-3 480-23574-9 6.68 TA 480-23574 WATER 8/7/2012	MW-4 480-23574-1 13.13 TA 480-23574 WATER 8/7/2012	MW-5 480-23574-2 19.9 TA 480-23574 WATER 8/7/2012	MW-6 480-23574-3 21.75 TA 480-23574 WATER 8/7/2012	MW-7 480-23574-4 21.55 TA 480-23574 WATER 8/7/2012	RW-4 480-23574-5 17.7 TA 480-23574 WATER 8/7/2012	RW-5 480-23574-6 17.45 TA 480-23574 WATER 8/7/2012
COMPOUND		UNITS:									
VOLATILES											
1,1,1-Trichloroethane	5	µg/L	U	U	U	U	U	U	U	U	U
1,1,1,2,2-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	97	U	U	6.5	41
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	7.6	U	U	1.6	15
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	11	U	U	0.55 J	1.5
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	29	U	U	3.3	24

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
August 2012 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-1 480-23574-7 12.37 TA 480-23574 WATER 8/7/2012	MW-2 480-23574-8 14.3 TA 480-23574 WATER 8/7/2012	MW-3 480-23574-9 6.68 TA 480-23574 WATER 8/7/2012	MW-4 480-23574-1 13.13 TA 480-23574 WATER 8/7/2012	MW-5 480-23574-2 19.9 TA 480-23574 WATER 8/7/2012	MW-6 480-23574-3 21.75 TA 480-23574 WATER 8/7/2012	MW-7 480-23574-4 21.55 TA 480-23574 WATER 8/7/2012	RW-4 480-23574-5 17.7 TA 480-23574 WATER 8/7/2012	RW-5 480-23574-6 17.45 TA 480-23574 WATER 8/7/2012
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	U	U	U	U	U	U	U	U
2,4,6-Trichlorophenol	NS	µg/L	U	U	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	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	U	U	U	U	U	U	U	U
2,6-Dinitrotoluene	5	µg/L	U	U	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	1.7 J
2-Methylphenol	1	µg/L	U	U	U	U	2.3 J	U	U	U	U
2-Nitroaniline	5	µg/L	U	U	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	U	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	U	U	U	U	U	U	U	U
4-Chloro-3-methylphenol	1	µg/L	U	U	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	U	U	U	U	U	U	U	U
4-Methylphenol	1	µg/L	U	U	U	U	2.1 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	U	0.77 J
Anthracene	50 (G)	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.

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
August 2012 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-1 480-23574-7 12.37 TA 480-23574 WATER 8/7/2012	MW-2 480-23574-8 14.3 TA 480-23574 WATER 8/7/2012	MW-3 480-23574-9 6.68 TA 480-23574 WATER 8/7/2012	MW-4 480-23574-1 13.13 TA 480-23574 WATER 8/7/2012	MW-5 480-23574-2 19.9 TA 480-23574 WATER 8/7/2012	MW-6 480-23574-3 21.75 TA 480-23574 WATER 8/7/2012	MW-7 480-23574-4 21.55 TA 480-23574 WATER 8/7/2012	RW-4 480-23574-5 17.7 TA 480-23574 WATER 8/7/2012	RW-5 480-23574-6 17.45 TA 480-23574 WATER 8/7/2012
COMPOUND		UNITS:									
Benzo[a]anthracene	0.002 (G)	µg/L	U	1.0 J	U	U	U	U	U	U	U
Benzo[a]pyrene	NS	µg/L	U	0.83 J	U	U	U	U	U	U	U
Benzo[b]fluoranthene	0.002 (G)	µg/L	U	1.1	U	U	U	U	U	U	U
Benzo[g,h,i]perylene	NS	µg/L	U	0.50 J	U	U	U	U	U	U	U
Benzo[k]fluoranthene	0.002 (G)	µg/L	U	U	U	U	U	U	U	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	U	U	U	U	U	U	U	U
Butyl benzyl phthalate	50 (G)	µg/L	U	U	U	U	U	U	U	U	U
Carbazole	NS	µg/L	U	U	U	U	U	U	U	U	U
Chrysene	0.002 (G)	µg/L	U	0.86 J	U	U	U	U	U	U	U
Dibenzo[a,h]anthracene	NS	µg/L	U	U	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	U	U	U	U	U	U	U	U	U
Dimethyl phthalate	50 (G)	µg/L	U	U	U	U	U	U	U	U	U
Di-n-butyl phthalate	50	µg/L	U	U	U	U	U	U	U	U	U
Di-n-octyl phthalate	50 (G)	µg/L	U	U	U	U	U	U	U	U	U
Fluoranthene	50 (G)	µg/L	U	1.7 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	U	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	U	0.59 J	U	U	U	U	U	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	39	U	U	5.8	8.8
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	U	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	1.1 J	U	U	U	U	U	U	U
Phenol	1	µg/L	U	U	U	U	U	U	U	U	U
Pyrene	50 (G)	µg/L	U	1.4 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
August 2012 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: Lab Sample Id: Depth: Source: SDG: Matrix: Sampled:	MW-1 480-23574-7 12.37 TA 480-23574 WATER 8/7/2012	MW-2 480-23574-8 14.3 TA 480-23574 WATER 8/7/2012	MW-3 480-23574-9 6.68 TA 480-23574 WATER 8/7/2012	MW-4 480-23574-1 13.13 TA 480-23574 WATER 8/7/2012	MW-5 480-23574-2 19.9 TA 480-23574 WATER 8/7/2012	MW-6 480-23574-3 21.75 TA 480-23574 WATER 8/7/2012	MW-7 480-23574-4 21.55 TA 480-23574 WATER 8/7/2012	RW-4 480-23574-5 17.7 TA 480-23574 WATER 8/7/2012	RW-5 480-23574-6 17.45 TA 480-23574 WATER 8/7/2012
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	1.5	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
August 2012 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-1 480-23637-1 TA 480-23637 WATER 8/8/2012	S-2 480-23637-2 TA 480-23637 WATER 8/8/2012	S-3 480-23637-3 TA 480-23637 WATER 8/8/2012	S-4 480-2367-4 TA 480-23637 WATER 8/8/2012
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	1.0	2.2	1.8
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	1.7 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	4.1 J	4.3 J	U	U
Benzene	0.7	µg/L	0.41 J	0.44 J	0.50 J	0.96 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	0.69 J	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	0.49 J	0.44 J	0.49 J	0.98 J
Toluene	5	µg/L	U	U	0.94 J	1.1
trans-1,3-Dichloropropene	0.4	µg/L	U	U	U	U
Trichloroethene	5	µg/L	U	U	U	0.73J
Vinyl chloride	2	µg/L	U	U	U	U
Xylenes, total	5	µg/L	U	U	2.5	6.7

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
August 2012 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-1 480-23637-1 TA 480-23637 WATER 8/8/2012	S-2 480-23637-2 TA 480-23637 WATER 8/8/2012	S-3 480-23637-3 TA 480-23637 WATER 8/8/2012	S-4 480-2367-4 TA 480-23637 WATER 8/8/2012
COMPOUND		UNITS:				
SEMIVOLATILES						
1,2,4-Trichlorobenzene	5	µg/L	U	U	U	U
1,2-Dichlorobenzene	3	µg/L	U	U	U	U
1,3-Dichlorobenzene	3	µg/L	U	U	U	U
1,4-Dichlorobenzene	3	µg/L	U	U	U	U
2,4,5-Trichlorophenol	NS	µg/L	U	U	U	U
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	65	21	11	18
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	0.72 J	1.6 J	0.67 J	2.7 J
2-Methylphenol	1	µg/L	U	U	5.1	13
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	U	5.5 J	6.7 J	24
4-Nitroaniline	5	µg/L	U	U	U	U
4-Nitrophenol	1	µg/L	U	U	U	U
Acenaphthene	20 (G)	µg/L	U	0.73 J	0.74 J	1.5 J
Acenaphthylene	NS	µg/L	U	U	U	0.70 J
Anthracene	50 (G)	µg/L	0.64 J	0.29 J	U	0.93 J

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
August 2012 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-1 480-23637-1 TA 480-23637 WATER 8/8/2012	S-2 480-23637-2 TA 480-23637 WATER 8/8/2012	S-3 480-23637-3 TA 480-23637 WATER 8/8/2012	S-4 480-2367-4 TA 480-23637 WATER 8/8/2012
COMPOUND		UNITS:				
Benzo[a]anthracene	0.002 (G)	µg/L	0.74 J	U	U	U
Benzo[a]pyrene	NS	µg/L	0.77 J	U	U	U
Benzo[b]fluoranthene	0.002 (G)	µg/L	1.1 J	U	U	U
Benzo[g,h,i]perylene	NS	µg/L	0.65 J	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	6.3	U	U	U
Butyl benzyl phthalate	50 (G)	µg/L	U	U	U	U
Carbazole	NS	µg/L	0.96 J	0.91 J	0.49 J	1.3 J
Chrysene	0.002 (G)	µg/L	0.73 J	U	U	U
Dibenz[a,h]anthracene	NS	µg/L	U	U	U	U
Dibenzofuran	NS	µg/L	U	U	U	0.75 J
Diethyl phthalate	50 (G)	µg/L	U	U	U	U
Dimethyl phthalate	50 (G)	µg/L	U	7.2	U	U
Di-n-butyl phthalate	50	µg/L	0.80 J	1.3 J	0.39 J	U
Di-n-octyl phthalate	50 (G)	µg/L	U	U	U	U
Fluoranthene	50 (G)	µg/L	1.4 J	0.39 J	U	0.73 J
Fluorene	50 (G)	µg/L	0.77 J	0.58 J	0.65 J	1.3 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	0.54 J	U	U	U
Isophorone	50 (G)	µg/L	U	U	U	U
Naphthalene	10 (G)	µg/L	U	1.7 J	2.9 J	9.9
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	0.75 J	0.65 J	0.92 J	0.95 J
Phenol	1	µg/L	U	U	U	U
Pyrene	50 (G)	µg/L	1.9 J	0.48 J	U	0.53 J

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
August 2012 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-1 480-23637-1 TA 480-23637 WATER 8/8/2012	S-2 480-23637-2 TA 480-23637 WATER 8/8/2012	S-3 480-23637-3 TA 480-23637 WATER 8/8/2012	S-4 480-2367-4 TA 480-23637 WATER 8/8/2012
COMPOUND		UNITS:				
PESTICIDES						
4,4'-DDD	0.2	µg/L	U	U	U	U
4,4'-DDE	0.2	µg/L	U	U	U	U
4,4'-DDT	0.2	µg/L	U	U	U	U
Aldrin	ND	µg/L	U	U	U	U
alpha-BHC	0.01	µg/L	U	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	U	U	U
Dieldrin	0.004	µg/L	U	U	U	U
Endosulfan I	NS	µg/L	U	U	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	U	U	U
gamma-Chlordane	0.05	µg/L	U	U	U	U
Heptachlor	0.04	µg/L	U	U	U	U
Heptachlor epoxide	0.03	µg/L	U	U	U	U
Methoxychlor	35	µg/L	U	U	U	U
Toxaphene	0.06	µg/L	U	U	U	U
PCBs						
Aroclor 1016	Sum of all PCBs is <0.09	µg/L	U	U	U	1.7
Aroclor 1221		µg/L	U	U	U	U
Aroclor 1232		µg/L	U	U	U	U
Aroclor 1242		µg/L	U	0.46 J	0.93	U
Aroclor 1248		µg/L	8.3	U	U	U
Aroclor 1254		µg/L	U	U	U	U
Aroclor 1260		µg/L	5.7	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
August 2012 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-1 480-23637-1 TA 480-23637 WATER 8/8/2012	S-2 480-23637-2 TA 480-23637 WATER 8/8/2012	S-3 480-23637-3 TA 480-23637 WATER 8/8/2012	S-4 480-2367-4 TA 480-23637 WATER 8/8/2012
COMPOUND		UNITS:				
INORGANICS						
Aluminum	NS	µg/L	630	460	290	500
Antimony	3	µg/L	U	U	U	U
Arsenic	25	µg/L	U	U	6.4 J	8.8 J
Barium	1,000	µg/L	160 B	110 B	29 B	23 B
Beryllium	3 (G)	µg/L	U	U	U	U
Cadmium	10	µg/L	U	U	U	U
Calcium	NS	µg/L	58,800	65,800	54,100	93,200
Chromium	50	µg/L	2.1 J	1.6 J	U	U
Cobalt	NS	µg/L	U	U	U	U
Copper	200	µg/L	6.7 J	7.8 J	U	2.2 J
Iron	300	µg/L	4,800	3,400	37 J	720
Lead	25	µg/L	U	U	U	U
Magnesium	35,000 (G)	µg/L	12,800	7,400	U	970
Manganese	300	µg/L	720	430	U	100
Nickel	100	µg/L	3.0 J	2.6 J	1.4 J	U
Potassium	NS	µg/L	17,600	27,600	39,900	51,200
Selenium	10	µg/L	U	U	U	U
Silver	50	µg/L	U	U	U	U
Sodium	20,000	µg/L	69,600	63,200	51,800	50,400
Thallium	0.5 (G)	µg/L	U	U	U	U
Vanadium	NS	µg/L	2.2 J	9.1	16	11
Zinc	2,000 (G)	µg/L	8.2 J	20	U	3.6 J
Cyanide	200	µg/L	7.4 J	29	66	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-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: 480-23574-1

Client Project/Site: Cherry Farms Annual GW Sample

For:

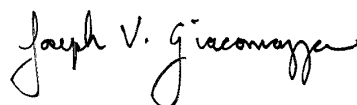
Groundwater & Environmental Services Inc

495 Aero Drive

Suite 3

Cheektowaga, New York 14225

Attn: Mr. Andrew Janik



Authorized for release by:

8/21/2012 11:47:03 AM

Joe Giacomazza

Project Administrator

joe.giacomazza@testamericainc.com

Designee for

Sally Hoffman

Project Manager II

sally.hoffman@testamericainc.com

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www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

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

TestAmerica Job ID: 480-23574-1

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
X	Surrogate is outside control limits
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
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
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
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

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

TestAmerica Job ID: 480-23574-1

Job ID: 480-23574-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-23574-1

Receipt

The samples were received on 8/7/2012 4:10 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 3 coolers at receipt time were 1.9° C, 2.6° C and 3.8° C.

GC/MS VOA

No analytical or quality issues were noted.

GC/MS Semi VOA

Method 8270C: The following samples contained one acid and/or one base surrogate outside acceptance limits: MW-1 (480-23574-7), MW-4 (480-23574-1), MW-6 (480-23574-3), MW-7 (480-23574-4), RW-4 (480-23574-5). The laboratory's SOP allows one acid surrogate and/or one base surrogate to be outside acceptance limits; 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.

Organic Prep

Method 3510C: During pH adjustment, the following samples required 24 mL of base to reach the desired pH: MW-2 (480-23574-8). Most samples take less than 12 mL to reach the desired range.

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: 480-23574-1

Client Sample ID: MW-4

Lab Sample ID: 480-23574-1

No Detections

Client Sample ID: MW-5

Lab Sample ID: 480-23574-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	97		1.0	0.41	ug/L	1		8260B_ASP	Total/NA
Ethylbenzene	7.6		1.0	0.74	ug/L	1		8260B_ASP	Total/NA
Toluene	11		1.0	0.51	ug/L	1		8260B_ASP	Total/NA
Xylenes, Total	29		2.0	0.66	ug/L	1		8260B_ASP	Total/NA
2,4-Dimethylphenol	8.0		5.3	0.53	ug/L	1		8270C_ASP	Total/NA
2-Methylphenol	2.3	J	5.3	0.42	ug/L	1		8270C_ASP	Total/NA
4-Methylphenol	2.1	J	11	0.38	ug/L	1		8270C_ASP	Total/NA
Naphthalene	39		5.3	0.80	ug/L	1		8270C_ASP	Total/NA

Client Sample ID: MW-6

Lab Sample ID: 480-23574-3

No Detections

Client Sample ID: MW-7

Lab Sample ID: 480-23574-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1242	1.5		0.59	0.21	ug/L	1		8082	Total/NA

Client Sample ID: RW-4

Lab Sample ID: 480-23574-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	6.5		1.0	0.41	ug/L	1		8260B_ASP	Total/NA
Ethylbenzene	1.6		1.0	0.74	ug/L	1		8260B_ASP	Total/NA
Toluene	0.55	J	1.0	0.51	ug/L	1		8260B_ASP	Total/NA
Xylenes, Total	3.3		2.0	0.66	ug/L	1		8260B_ASP	Total/NA
Naphthalene	5.8		5.0	0.75	ug/L	1		8270C_ASP	Total/NA

Client Sample ID: RW-5

Lab Sample ID: 480-23574-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	41		1.0	0.41	ug/L	1		8260B_ASP	Total/NA
Ethylbenzene	15		1.0	0.74	ug/L	1		8260B_ASP	Total/NA
Toluene	1.5		1.0	0.51	ug/L	1		8260B_ASP	Total/NA
Xylenes, Total	24		2.0	0.66	ug/L	1		8260B_ASP	Total/NA
2-Methylnaphthalene	1.7	J	5.0	0.59	ug/L	1		8270C_ASP	Total/NA
Acenaphthylene	0.77	J	5.0	0.38	ug/L	1		8270C_ASP	Total/NA
Naphthalene	8.8		5.0	0.75	ug/L	1		8270C_ASP	Total/NA

Client Sample ID: MW-1

Lab Sample ID: 480-23574-7

No Detections

Client Sample ID: MW-2

Lab Sample ID: 480-23574-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	1.0	J	5.1	0.36	ug/L	1		8270C_ASP	Total/NA
Benzo[a]pyrene	0.83	J	5.1	0.47	ug/L	1		8270C_ASP	Total/NA
Benzo[b]fluoranthene	1.1	J	5.1	0.34	ug/L	1		8270C_ASP	Total/NA
Benzo[g,h,i]perylene	0.50	J	5.1	0.35	ug/L	1		8270C_ASP	Total/NA
Chrysene	0.86	J	5.1	0.33	ug/L	1		8270C_ASP	Total/NA

Detection Summary

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

TestAmerica Job ID: 480-23574-1

Client Sample ID: MW-2 (Continued)

Lab Sample ID: 480-23574-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fluoranthene	1.7	J	5.1	0.40	ug/L	1		8270C_ASP	Total/NA
Indeno[1,2,3-cd]pyrene	0.59	J	5.1	0.47	ug/L	1		8270C_ASP	Total/NA
Phenanthrene	1.1	J	5.1	0.44	ug/L	1		8270C_ASP	Total/NA
Pyrene	1.4	J	5.1	0.34	ug/L	1		8270C_ASP	Total/NA

Client Sample ID: MW-3

Lab Sample ID: 480-23574-9

No Detections

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-23574-10

No Detections

Client Sample Results

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

TestAmerica Job ID: 480-23574-1

Client Sample ID: MW-4

Date Collected: 08/07/12 15:15

Date Received: 08/07/12 16:10

Lab Sample ID: 480-23574-1

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			08/15/12 03:45	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/15/12 03:45	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/15/12 03:45	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/15/12 03:45	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/15/12 03:45	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/15/12 03:45	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/15/12 03:45	1
2-Hexanone	ND		5.0	1.2	ug/L			08/15/12 03:45	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/15/12 03:45	1
1,2-Dichloroethene, Total	ND		2.0	0.70	ug/L			08/15/12 03:45	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/15/12 03:45	1
Acetone	ND		10	3.0	ug/L			08/15/12 03:45	1
Benzene	ND		1.0	0.41	ug/L			08/15/12 03:45	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/15/12 03:45	1
Bromoform	ND		1.0	0.26	ug/L			08/15/12 03:45	1
Bromomethane	ND		1.0	0.69	ug/L			08/15/12 03:45	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/15/12 03:45	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/15/12 03:45	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/15/12 03:45	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/15/12 03:45	1
Chloroethane	ND		1.0	0.32	ug/L			08/15/12 03:45	1
Chloroform	ND		1.0	0.34	ug/L			08/15/12 03:45	1
Chloromethane	ND		1.0	0.35	ug/L			08/15/12 03:45	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/15/12 03:45	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/15/12 03:45	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/15/12 03:45	1
Styrene	ND		1.0	0.73	ug/L			08/15/12 03:45	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/15/12 03:45	1
Toluene	ND		1.0	0.51	ug/L			08/15/12 03:45	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/15/12 03:45	1
Trichloroethene	ND		1.0	0.46	ug/L			08/15/12 03:45	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/15/12 03:45	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/15/12 03:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		66 - 137		08/15/12 03:45	1
Toluene-d8 (Surr)	111		71 - 126		08/15/12 03:45	1
4-Bromofluorobenzene (Surr)	104		73 - 120		08/15/12 03:45	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		5.3	0.55	ug/L		08/09/12 07:35	08/10/12 01:23	1
1,2,4-Trichlorobenzene	ND		11	0.46	ug/L		08/09/12 07:35	08/10/12 01:23	1
2,4,5-Trichlorophenol	ND		5.3	0.51	ug/L		08/09/12 07:35	08/10/12 01:23	1
1,2-Dichlorobenzene	ND		11	0.42	ug/L		08/09/12 07:35	08/10/12 01:23	1
2,4,6-Trichlorophenol	ND		5.3	0.64	ug/L		08/09/12 07:35	08/10/12 01:23	1
2,4-Dichlorophenol	ND		5.3	0.54	ug/L		08/09/12 07:35	08/10/12 01:23	1
2,4-Dimethylphenol	ND		5.3	0.53	ug/L		08/09/12 07:35	08/10/12 01:23	1
1,3-Dichlorobenzene	ND		11	0.51	ug/L		08/09/12 07:35	08/10/12 01:23	1
2,4-Dinitrophenol	ND		11	2.3	ug/L		08/09/12 07:35	08/10/12 01:23	1
2,4-Dinitrotoluene	ND		5.3	0.47	ug/L		08/09/12 07:35	08/10/12 01:23	1

Client Sample Results

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

TestAmerica Job ID: 480-23574-1

Client Sample ID: MW-4

Lab Sample ID: 480-23574-1

Date Collected: 08/07/12 15:15

Matrix: Water

Date Received: 08/07/12 16:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		11	0.48	ug/L		08/09/12 07:35	08/10/12 01:23	1
2,6-Dinitrotoluene	ND		5.3	0.42	ug/L		08/09/12 07:35	08/10/12 01:23	1
2-Chloronaphthalene	ND		5.3	0.48	ug/L		08/09/12 07:35	08/10/12 01:23	1
2-Chlorophenol	ND		5.3	0.56	ug/L		08/09/12 07:35	08/10/12 01:23	1
2-Methylnaphthalene	ND		5.3	0.63	ug/L		08/09/12 07:35	08/10/12 01:23	1
2-Methylphenol	ND		5.3	0.42	ug/L		08/09/12 07:35	08/10/12 01:23	1
2-Nitroaniline	ND		11	0.44	ug/L		08/09/12 07:35	08/10/12 01:23	1
2-Nitrophenol	ND		5.3	0.51	ug/L		08/09/12 07:35	08/10/12 01:23	1
3,3'-Dichlorobenzidine	ND		5.3	0.42	ug/L		08/09/12 07:35	08/10/12 01:23	1
3-Nitroaniline	ND		11	0.51	ug/L		08/09/12 07:35	08/10/12 01:23	1
4,6-Dinitro-2-methylphenol	ND		11	2.3	ug/L		08/09/12 07:35	08/10/12 01:23	1
4-Bromophenyl phenyl ether	ND		5.3	0.47	ug/L		08/09/12 07:35	08/10/12 01:23	1
4-Chloro-3-methylphenol	ND		5.3	0.47	ug/L		08/09/12 07:35	08/10/12 01:23	1
4-Chloroaniline	ND		5.3	0.62	ug/L		08/09/12 07:35	08/10/12 01:23	1
4-Chlorophenyl phenyl ether	ND		5.3	0.37	ug/L		08/09/12 07:35	08/10/12 01:23	1
4-Methylphenol	ND		11	0.38	ug/L		08/09/12 07:35	08/10/12 01:23	1
4-Nitroaniline	ND		11	0.26	ug/L		08/09/12 07:35	08/10/12 01:23	1
4-Nitrophenol	ND		11	1.6	ug/L		08/09/12 07:35	08/10/12 01:23	1
Acenaphthene	ND		5.3	0.43	ug/L		08/09/12 07:35	08/10/12 01:23	1
Acenaphthylene	ND		5.3	0.40	ug/L		08/09/12 07:35	08/10/12 01:23	1
Anthracene	ND		5.3	0.29	ug/L		08/09/12 07:35	08/10/12 01:23	1
Benzo[a]anthracene	ND		5.3	0.38	ug/L		08/09/12 07:35	08/10/12 01:23	1
Benzo[a]pyrene	ND		5.3	0.49	ug/L		08/09/12 07:35	08/10/12 01:23	1
Benzo[b]fluoranthene	ND		5.3	0.36	ug/L		08/09/12 07:35	08/10/12 01:23	1
Benzo[g,h,i]perylene	ND		5.3	0.37	ug/L		08/09/12 07:35	08/10/12 01:23	1
Benzo[k]fluoranthene	ND		5.3	0.77	ug/L		08/09/12 07:35	08/10/12 01:23	1
Bis(2-chloroethoxy)methane	ND		5.3	0.37	ug/L		08/09/12 07:35	08/10/12 01:23	1
Bis(2-chloroethyl)ether	ND		5.3	0.42	ug/L		08/09/12 07:35	08/10/12 01:23	1
Bis(2-ethylhexyl) phthalate	ND		5.3	1.9	ug/L		08/09/12 07:35	08/10/12 01:23	1
Butyl benzyl phthalate	ND		5.3	0.44	ug/L		08/09/12 07:35	08/10/12 01:23	1
Carbazole	ND		5.3	0.32	ug/L		08/09/12 07:35	08/10/12 01:23	1
Chrysene	ND		5.3	0.35	ug/L		08/09/12 07:35	08/10/12 01:23	1
Di-n-butyl phthalate	ND		5.3	0.33	ug/L		08/09/12 07:35	08/10/12 01:23	1
Di-n-octyl phthalate	ND		5.3	0.49	ug/L		08/09/12 07:35	08/10/12 01:23	1
Dibenz(a,h)anthracene	ND		5.3	0.44	ug/L		08/09/12 07:35	08/10/12 01:23	1
Dibenzofuran	ND		11	0.54	ug/L		08/09/12 07:35	08/10/12 01:23	1
Diethyl phthalate	ND		5.3	0.23	ug/L		08/09/12 07:35	08/10/12 01:23	1
Dimethyl phthalate	ND		5.3	0.38	ug/L		08/09/12 07:35	08/10/12 01:23	1
Fluoranthene	ND		5.3	0.42	ug/L		08/09/12 07:35	08/10/12 01:23	1
Fluorene	ND		5.3	0.38	ug/L		08/09/12 07:35	08/10/12 01:23	1
Hexachlorobenzene	ND		5.3	0.54	ug/L		08/09/12 07:35	08/10/12 01:23	1
Hexachlorobutadiene	ND		5.3	0.72	ug/L		08/09/12 07:35	08/10/12 01:23	1
Hexachlorocyclopentadiene	ND		5.3	0.62	ug/L		08/09/12 07:35	08/10/12 01:23	1
Hexachloroethane	ND		5.3	0.62	ug/L		08/09/12 07:35	08/10/12 01:23	1
Indeno[1,2,3-cd]pyrene	ND		5.3	0.49	ug/L		08/09/12 07:35	08/10/12 01:23	1
Isophorone	ND		5.3	0.45	ug/L		08/09/12 07:35	08/10/12 01:23	1
N-Nitrosodi-n-propylamine	ND		5.3	0.57	ug/L		08/09/12 07:35	08/10/12 01:23	1
N-Nitrosodiphenylamine	ND		5.3	0.54	ug/L		08/09/12 07:35	08/10/12 01:23	1
Naphthalene	ND		5.3	0.80	ug/L		08/09/12 07:35	08/10/12 01:23	1
Nitrobenzene	ND		5.3	0.31	ug/L		08/09/12 07:35	08/10/12 01:23	1
Pentachlorophenol	ND		11	2.3	ug/L		08/09/12 07:35	08/10/12 01:23	1

Client Sample Results

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

TestAmerica Job ID: 480-23574-1

Client Sample ID: MW-4

Lab Sample ID: 480-23574-1

Date Collected: 08/07/12 15:15

Matrix: Water

Date Received: 08/07/12 16:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenanthrene	ND		5.3	0.46	ug/L		08/09/12 07:35	08/10/12 01:23	1
Phenol	ND		5.3	0.41	ug/L		08/09/12 07:35	08/10/12 01:23	1
Pyrene	ND		5.3	0.36	ug/L		08/09/12 07:35	08/10/12 01:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	70		52 - 132				08/09/12 07:35	08/10/12 01:23	1
2-Fluorobiphenyl	77		48 - 120				08/09/12 07:35	08/10/12 01:23	1
2-Fluorophenol	27		20 - 120				08/09/12 07:35	08/10/12 01:23	1
Nitrobenzene-d5	84		46 - 120				08/09/12 07:35	08/10/12 01:23	1
p-Terphenyl-d14	51	X	67 - 150				08/09/12 07:35	08/10/12 01:23	1
Phenol-d5	20		16 - 120				08/09/12 07:35	08/10/12 01:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.51	0.18	ug/L		08/10/12 08:44	08/12/12 22:17	1
PCB-1221	ND		0.51	0.18	ug/L		08/10/12 08:44	08/12/12 22:17	1
PCB-1232	ND		0.51	0.18	ug/L		08/10/12 08:44	08/12/12 22:17	1
PCB-1242	ND		0.51	0.18	ug/L		08/10/12 08:44	08/12/12 22:17	1
PCB-1248	ND		0.51	0.18	ug/L		08/10/12 08:44	08/12/12 22:17	1
PCB-1254	ND		0.51	0.26	ug/L		08/10/12 08:44	08/12/12 22:17	1
PCB-1260	ND		0.51	0.26	ug/L		08/10/12 08:44	08/12/12 22:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	40		19 - 120				08/10/12 08:44	08/12/12 22:17	1
Tetrachloro-m-xylene	75		23 - 127				08/10/12 08:44	08/12/12 22:17	1

Client Sample ID: MW-5

Lab Sample ID: 480-23574-2

Date Collected: 08/07/12 13:00

Matrix: Water

Date Received: 08/07/12 16:10

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			08/15/12 04:07	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/15/12 04:07	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/15/12 04:07	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/15/12 04:07	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/15/12 04:07	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/15/12 04:07	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/15/12 04:07	1
2-Hexanone	ND		5.0	1.2	ug/L			08/15/12 04:07	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/15/12 04:07	1
1,2-Dichloroethene, Total	ND		2.0	0.70	ug/L			08/15/12 04:07	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/15/12 04:07	1
Acetone	ND		10	3.0	ug/L			08/15/12 04:07	1
Benzene	97		1.0	0.41	ug/L			08/15/12 04:07	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/15/12 04:07	1
Bromoform	ND		1.0	0.26	ug/L			08/15/12 04:07	1
Bromomethane	ND		1.0	0.69	ug/L			08/15/12 04:07	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/15/12 04:07	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/15/12 04:07	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/15/12 04:07	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/15/12 04:07	1

Client Sample Results

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

TestAmerica Job ID: 480-23574-1

Client Sample ID: MW-5

Lab Sample ID: 480-23574-2

Date Collected: 08/07/12 13:00

Matrix: Water

Date Received: 08/07/12 16:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	ND		1.0	0.32	ug/L			08/15/12 04:07	1
Chloroform	ND		1.0	0.34	ug/L			08/15/12 04:07	1
Chloromethane	ND		1.0	0.35	ug/L			08/15/12 04:07	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/15/12 04:07	1
Ethylbenzene	7.6		1.0	0.74	ug/L			08/15/12 04:07	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/15/12 04:07	1
Styrene	ND		1.0	0.73	ug/L			08/15/12 04:07	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/15/12 04:07	1
Toluene	11		1.0	0.51	ug/L			08/15/12 04:07	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/15/12 04:07	1
Trichloroethene	ND		1.0	0.46	ug/L			08/15/12 04:07	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/15/12 04:07	1
Xylenes, Total	29		2.0	0.66	ug/L			08/15/12 04:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		66 - 137		08/15/12 04:07	1
Toluene-d8 (Surr)	109		71 - 126		08/15/12 04:07	1
4-Bromofluorobenzene (Surr)	106		73 - 120		08/15/12 04:07	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		5.3	0.55	ug/L		08/09/12 07:35	08/10/12 01:47	1
1,2,4-Trichlorobenzene	ND		11	0.46	ug/L		08/09/12 07:35	08/10/12 01:47	1
2,4,5-Trichlorophenol	ND		5.3	0.51	ug/L		08/09/12 07:35	08/10/12 01:47	1
1,2-Dichlorobenzene	ND		11	0.42	ug/L		08/09/12 07:35	08/10/12 01:47	1
2,4,6-Trichlorophenol	ND		5.3	0.64	ug/L		08/09/12 07:35	08/10/12 01:47	1
2,4-Dichlorophenol	ND		5.3	0.54	ug/L		08/09/12 07:35	08/10/12 01:47	1
2,4-Dimethylphenol	8.0		5.3	0.53	ug/L		08/09/12 07:35	08/10/12 01:47	1
1,3-Dichlorobenzene	ND		11	0.51	ug/L		08/09/12 07:35	08/10/12 01:47	1
2,4-Dinitrophenol	ND		11	2.3	ug/L		08/09/12 07:35	08/10/12 01:47	1
2,4-Dinitrotoluene	ND		5.3	0.47	ug/L		08/09/12 07:35	08/10/12 01:47	1
1,4-Dichlorobenzene	ND		11	0.48	ug/L		08/09/12 07:35	08/10/12 01:47	1
2,6-Dinitrotoluene	ND		5.3	0.42	ug/L		08/09/12 07:35	08/10/12 01:47	1
2-Chloronaphthalene	ND		5.3	0.48	ug/L		08/09/12 07:35	08/10/12 01:47	1
2-Chlorophenol	ND		5.3	0.56	ug/L		08/09/12 07:35	08/10/12 01:47	1
2-Methylnaphthalene	ND		5.3	0.63	ug/L		08/09/12 07:35	08/10/12 01:47	1
2-Methylphenol	2.3	J	5.3	0.42	ug/L		08/09/12 07:35	08/10/12 01:47	1
2-Nitroaniline	ND		11	0.44	ug/L		08/09/12 07:35	08/10/12 01:47	1
2-Nitrophenol	ND		5.3	0.51	ug/L		08/09/12 07:35	08/10/12 01:47	1
3,3'-Dichlorobenzidine	ND		5.3	0.42	ug/L		08/09/12 07:35	08/10/12 01:47	1
3-Nitroaniline	ND		11	0.51	ug/L		08/09/12 07:35	08/10/12 01:47	1
4,6-Dinitro-2-methylphenol	ND		11	2.3	ug/L		08/09/12 07:35	08/10/12 01:47	1
4-Bromophenyl phenyl ether	ND		5.3	0.47	ug/L		08/09/12 07:35	08/10/12 01:47	1
4-Chloro-3-methylphenol	ND		5.3	0.47	ug/L		08/09/12 07:35	08/10/12 01:47	1
4-Chloroaniline	ND		5.3	0.62	ug/L		08/09/12 07:35	08/10/12 01:47	1
4-Chlorophenyl phenyl ether	ND		5.3	0.37	ug/L		08/09/12 07:35	08/10/12 01:47	1
4-Methylphenol	2.1	J	11	0.38	ug/L		08/09/12 07:35	08/10/12 01:47	1
4-Nitroaniline	ND		11	0.26	ug/L		08/09/12 07:35	08/10/12 01:47	1
4-Nitrophenol	ND		11	1.6	ug/L		08/09/12 07:35	08/10/12 01:47	1
Acenaphthene	ND		5.3	0.43	ug/L		08/09/12 07:35	08/10/12 01:47	1
Acenaphthylene	ND		5.3	0.40	ug/L		08/09/12 07:35	08/10/12 01:47	1

Client Sample Results

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

TestAmerica Job ID: 480-23574-1

Client Sample ID: MW-5

Lab Sample ID: 480-23574-2

Date Collected: 08/07/12 13:00

Matrix: Water

Date Received: 08/07/12 16:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	ND		5.3	0.29	ug/L		08/09/12 07:35	08/10/12 01:47	1
Benzo[a]anthracene	ND		5.3	0.38	ug/L		08/09/12 07:35	08/10/12 01:47	1
Benzo[a]pyrene	ND		5.3	0.49	ug/L		08/09/12 07:35	08/10/12 01:47	1
Benzo[b]fluoranthene	ND		5.3	0.36	ug/L		08/09/12 07:35	08/10/12 01:47	1
Benzo[g,h,i]perylene	ND		5.3	0.37	ug/L		08/09/12 07:35	08/10/12 01:47	1
Benzo[k]fluoranthene	ND		5.3	0.77	ug/L		08/09/12 07:35	08/10/12 01:47	1
Bis(2-chloroethoxy)methane	ND		5.3	0.37	ug/L		08/09/12 07:35	08/10/12 01:47	1
Bis(2-chloroethyl)ether	ND		5.3	0.42	ug/L		08/09/12 07:35	08/10/12 01:47	1
Bis(2-ethylhexyl) phthalate	ND		5.3	1.9	ug/L		08/09/12 07:35	08/10/12 01:47	1
Butyl benzyl phthalate	ND		5.3	0.44	ug/L		08/09/12 07:35	08/10/12 01:47	1
Carbazole	ND		5.3	0.32	ug/L		08/09/12 07:35	08/10/12 01:47	1
Chrysene	ND		5.3	0.35	ug/L		08/09/12 07:35	08/10/12 01:47	1
Di-n-butyl phthalate	ND		5.3	0.33	ug/L		08/09/12 07:35	08/10/12 01:47	1
Di-n-octyl phthalate	ND		5.3	0.49	ug/L		08/09/12 07:35	08/10/12 01:47	1
Dibenz(a,h)anthracene	ND		5.3	0.44	ug/L		08/09/12 07:35	08/10/12 01:47	1
Dibenzofuran	ND		11	0.54	ug/L		08/09/12 07:35	08/10/12 01:47	1
Diethyl phthalate	ND		5.3	0.23	ug/L		08/09/12 07:35	08/10/12 01:47	1
Dimethyl phthalate	ND		5.3	0.38	ug/L		08/09/12 07:35	08/10/12 01:47	1
Fluoranthene	ND		5.3	0.42	ug/L		08/09/12 07:35	08/10/12 01:47	1
Fluorene	ND		5.3	0.38	ug/L		08/09/12 07:35	08/10/12 01:47	1
Hexachlorobenzene	ND		5.3	0.54	ug/L		08/09/12 07:35	08/10/12 01:47	1
Hexachlorobutadiene	ND		5.3	0.72	ug/L		08/09/12 07:35	08/10/12 01:47	1
Hexachlorocyclopentadiene	ND		5.3	0.62	ug/L		08/09/12 07:35	08/10/12 01:47	1
Hexachloroethane	ND		5.3	0.62	ug/L		08/09/12 07:35	08/10/12 01:47	1
Indeno[1,2,3-cd]pyrene	ND		5.3	0.49	ug/L		08/09/12 07:35	08/10/12 01:47	1
Isophorone	ND		5.3	0.45	ug/L		08/09/12 07:35	08/10/12 01:47	1
N-Nitrosodi-n-propylamine	ND		5.3	0.57	ug/L		08/09/12 07:35	08/10/12 01:47	1
N-Nitrosodiphenylamine	ND		5.3	0.54	ug/L		08/09/12 07:35	08/10/12 01:47	1
Naphthalene	39		5.3	0.80	ug/L		08/09/12 07:35	08/10/12 01:47	1
Nitrobenzene	ND		5.3	0.31	ug/L		08/09/12 07:35	08/10/12 01:47	1
Pentachlorophenol	ND		11	2.3	ug/L		08/09/12 07:35	08/10/12 01:47	1
Phenanthrene	ND		5.3	0.46	ug/L		08/09/12 07:35	08/10/12 01:47	1
Phenol	ND		5.3	0.41	ug/L		08/09/12 07:35	08/10/12 01:47	1
Pyrene	ND		5.3	0.36	ug/L		08/09/12 07:35	08/10/12 01:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	100		52 - 132	08/09/12 07:35	08/10/12 01:47	1
2-Fluorobiphenyl	80		48 - 120	08/09/12 07:35	08/10/12 01:47	1
2-Fluorophenol	44		20 - 120	08/09/12 07:35	08/10/12 01:47	1
Nitrobenzene-d5	97		46 - 120	08/09/12 07:35	08/10/12 01:47	1
p-Terphenyl-d14	89		67 - 150	08/09/12 07:35	08/10/12 01:47	1
Phenol-d5	34		16 - 120	08/09/12 07:35	08/10/12 01:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.51	0.18	ug/L		08/10/12 08:44	08/12/12 22:37	1
PCB-1221	ND		0.51	0.18	ug/L		08/10/12 08:44	08/12/12 22:37	1
PCB-1232	ND		0.51	0.18	ug/L		08/10/12 08:44	08/12/12 22:37	1
PCB-1242	ND		0.51	0.18	ug/L		08/10/12 08:44	08/12/12 22:37	1
PCB-1248	ND		0.51	0.18	ug/L		08/10/12 08:44	08/12/12 22:37	1
PCB-1254	ND		0.51	0.25	ug/L		08/10/12 08:44	08/12/12 22:37	1

Client Sample Results

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

TestAmerica Job ID: 480-23574-1

Client Sample ID: MW-5

Date Collected: 08/07/12 13:00

Date Received: 08/07/12 16:10

Lab Sample ID: 480-23574-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1260	ND		0.51	0.25	ug/L		08/10/12 08:44	08/12/12 22:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	26		19 - 120				08/10/12 08:44	08/12/12 22:37	1
Tetrachloro-m-xylene	85		23 - 127				08/10/12 08:44	08/12/12 22:37	1

Client Sample ID: MW-6

Date Collected: 08/07/12 12:30

Date Received: 08/07/12 16:10

Lab Sample ID: 480-23574-3

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			08/15/12 04:30	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/15/12 04:30	1
1,1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/15/12 04:30	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/15/12 04:30	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/15/12 04:30	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/15/12 04:30	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/15/12 04:30	1
2-Hexanone	ND		5.0	1.2	ug/L			08/15/12 04:30	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/15/12 04:30	1
1,2-Dichloroethene, Total	ND		2.0	0.70	ug/L			08/15/12 04:30	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/15/12 04:30	1
Acetone	ND		10	3.0	ug/L			08/15/12 04:30	1
Benzene	ND		1.0	0.41	ug/L			08/15/12 04:30	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/15/12 04:30	1
Bromoform	ND		1.0	0.26	ug/L			08/15/12 04:30	1
Bromomethane	ND		1.0	0.69	ug/L			08/15/12 04:30	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/15/12 04:30	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/15/12 04:30	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/15/12 04:30	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/15/12 04:30	1
Chloroethane	ND		1.0	0.32	ug/L			08/15/12 04:30	1
Chloroform	ND		1.0	0.34	ug/L			08/15/12 04:30	1
Chloromethane	ND		1.0	0.35	ug/L			08/15/12 04:30	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/15/12 04:30	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/15/12 04:30	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/15/12 04:30	1
Styrene	ND		1.0	0.73	ug/L			08/15/12 04:30	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/15/12 04:30	1
Toluene	ND		1.0	0.51	ug/L			08/15/12 04:30	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/15/12 04:30	1
Trichloroethene	ND		1.0	0.46	ug/L			08/15/12 04:30	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/15/12 04:30	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/15/12 04:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		66 - 137					08/15/12 04:30	1
Toluene-d8 (Surr)	110		71 - 126					08/15/12 04:30	1
4-Bromofluorobenzene (Surr)	104		73 - 120					08/15/12 04:30	1

Client Sample Results

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

TestAmerica Job ID: 480-23574-1

Client Sample ID: MW-6

Lab Sample ID: 480-23574-3

Date Collected: 08/07/12 12:30

Matrix: Water

Date Received: 08/07/12 16:10

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		08/09/12 07:35	08/10/12 02:11	1
1,2,4-Trichlorobenzene	ND		10	0.44	ug/L		08/09/12 07:35	08/10/12 02:11	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		08/09/12 07:35	08/10/12 02:11	1
1,2-Dichlorobenzene	ND		10	0.40	ug/L		08/09/12 07:35	08/10/12 02:11	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		08/09/12 07:35	08/10/12 02:11	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		08/09/12 07:35	08/10/12 02:11	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		08/09/12 07:35	08/10/12 02:11	1
1,3-Dichlorobenzene	ND		10	0.48	ug/L		08/09/12 07:35	08/10/12 02:11	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		08/09/12 07:35	08/10/12 02:11	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		08/09/12 07:35	08/10/12 02:11	1
1,4-Dichlorobenzene	ND		10	0.46	ug/L		08/09/12 07:35	08/10/12 02:11	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		08/09/12 07:35	08/10/12 02:11	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		08/09/12 07:35	08/10/12 02:11	1
2-Chlorophenol	ND		5.0	0.53	ug/L		08/09/12 07:35	08/10/12 02:11	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		08/09/12 07:35	08/10/12 02:11	1
2-Methylphenol	ND		5.0	0.40	ug/L		08/09/12 07:35	08/10/12 02:11	1
2-Nitroaniline	ND		10	0.42	ug/L		08/09/12 07:35	08/10/12 02:11	1
2-Nitrophenol	ND		5.0	0.48	ug/L		08/09/12 07:35	08/10/12 02:11	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		08/09/12 07:35	08/10/12 02:11	1
3-Nitroaniline	ND		10	0.48	ug/L		08/09/12 07:35	08/10/12 02:11	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		08/09/12 07:35	08/10/12 02:11	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		08/09/12 07:35	08/10/12 02:11	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		08/09/12 07:35	08/10/12 02:11	1
4-Chloroaniline	ND		5.0	0.59	ug/L		08/09/12 07:35	08/10/12 02:11	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		08/09/12 07:35	08/10/12 02:11	1
4-Methylphenol	ND		10	0.36	ug/L		08/09/12 07:35	08/10/12 02:11	1
4-Nitroaniline	ND		10	0.25	ug/L		08/09/12 07:35	08/10/12 02:11	1
4-Nitrophenol	ND		10	1.5	ug/L		08/09/12 07:35	08/10/12 02:11	1
Acenaphthene	ND		5.0	0.41	ug/L		08/09/12 07:35	08/10/12 02:11	1
Acenaphthylene	ND		5.0	0.38	ug/L		08/09/12 07:35	08/10/12 02:11	1
Anthracene	ND		5.0	0.28	ug/L		08/09/12 07:35	08/10/12 02:11	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		08/09/12 07:35	08/10/12 02:11	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		08/09/12 07:35	08/10/12 02:11	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		08/09/12 07:35	08/10/12 02:11	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		08/09/12 07:35	08/10/12 02:11	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		08/09/12 07:35	08/10/12 02:11	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		08/09/12 07:35	08/10/12 02:11	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		08/09/12 07:35	08/10/12 02:11	1
Bis(2-ethylhexyl) phthalate	ND		5.0	1.8	ug/L		08/09/12 07:35	08/10/12 02:11	1
Butyl benzyl phthalate	ND		5.0	0.42	ug/L		08/09/12 07:35	08/10/12 02:11	1
Carbazole	ND		5.0	0.30	ug/L		08/09/12 07:35	08/10/12 02:11	1
Chrysene	ND		5.0	0.33	ug/L		08/09/12 07:35	08/10/12 02:11	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		08/09/12 07:35	08/10/12 02:11	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		08/09/12 07:35	08/10/12 02:11	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		08/09/12 07:35	08/10/12 02:11	1
Dibenzofuran	ND		10	0.51	ug/L		08/09/12 07:35	08/10/12 02:11	1
Diethyl phthalate	ND		5.0	0.22	ug/L		08/09/12 07:35	08/10/12 02:11	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		08/09/12 07:35	08/10/12 02:11	1
Fluoranthene	ND		5.0	0.40	ug/L		08/09/12 07:35	08/10/12 02:11	1
Fluorene	ND		5.0	0.36	ug/L		08/09/12 07:35	08/10/12 02:11	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		08/09/12 07:35	08/10/12 02:11	1

Client Sample Results

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

TestAmerica Job ID: 480-23574-1

Client Sample ID: MW-6

Lab Sample ID: 480-23574-3

Date Collected: 08/07/12 12:30

Matrix: Water

Date Received: 08/07/12 16:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobutadiene	ND		5.0	0.68	ug/L		08/09/12 07:35	08/10/12 02:11	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		08/09/12 07:35	08/10/12 02:11	1
Hexachloroethane	ND		5.0	0.59	ug/L		08/09/12 07:35	08/10/12 02:11	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		08/09/12 07:35	08/10/12 02:11	1
Isophorone	ND		5.0	0.43	ug/L		08/09/12 07:35	08/10/12 02:11	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		08/09/12 07:35	08/10/12 02:11	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		08/09/12 07:35	08/10/12 02:11	1
Naphthalene	ND		5.0	0.76	ug/L		08/09/12 07:35	08/10/12 02:11	1
Nitrobenzene	ND		5.0	0.29	ug/L		08/09/12 07:35	08/10/12 02:11	1
Pentachlorophenol	ND		10	2.2	ug/L		08/09/12 07:35	08/10/12 02:11	1
Phenanthrene	ND		5.0	0.44	ug/L		08/09/12 07:35	08/10/12 02:11	1
Phenol	ND		5.0	0.39	ug/L		08/09/12 07:35	08/10/12 02:11	1
Pyrene	ND		5.0	0.34	ug/L		08/09/12 07:35	08/10/12 02:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	105		52 - 132	08/09/12 07:35	08/10/12 02:11	1
2-Fluorobiphenyl	90		48 - 120	08/09/12 07:35	08/10/12 02:11	1
2-Fluorophenol	42		20 - 120	08/09/12 07:35	08/10/12 02:11	1
Nitrobenzene-d5	98		46 - 120	08/09/12 07:35	08/10/12 02:11	1
p-Terphenyl-d14	55	X	67 - 150	08/09/12 07:35	08/10/12 02:11	1
Phenol-d5	30		16 - 120	08/09/12 07:35	08/10/12 02:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		08/10/12 08:44	08/12/12 22:57	1
PCB-1221	ND		0.50	0.18	ug/L		08/10/12 08:44	08/12/12 22:57	1
PCB-1232	ND		0.50	0.18	ug/L		08/10/12 08:44	08/12/12 22:57	1
PCB-1242	ND		0.50	0.18	ug/L		08/10/12 08:44	08/12/12 22:57	1
PCB-1248	ND		0.50	0.18	ug/L		08/10/12 08:44	08/12/12 22:57	1
PCB-1254	ND		0.50	0.25	ug/L		08/10/12 08:44	08/12/12 22:57	1
PCB-1260	ND		0.50	0.25	ug/L		08/10/12 08:44	08/12/12 22:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	67		19 - 120	08/10/12 08:44	08/12/12 22:57	1
Tetrachloro-m-xylene	93		23 - 127	08/10/12 08:44	08/12/12 22:57	1

Client Sample ID: MW-7

Lab Sample ID: 480-23574-4

Date Collected: 08/07/12 14:20

Matrix: Water

Date Received: 08/07/12 16:10

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			08/15/12 04:52	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/15/12 04:52	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/15/12 04:52	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/15/12 04:52	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/15/12 04:52	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/15/12 04:52	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/15/12 04:52	1
2-Hexanone	ND		5.0	1.2	ug/L			08/15/12 04:52	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/15/12 04:52	1
1,2-Dichloroethene, Total	ND		2.0	0.70	ug/L			08/15/12 04:52	1

Client Sample Results

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

TestAmerica Job ID: 480-23574-1

Client Sample ID: MW-7

Lab Sample ID: 480-23574-4

Date Collected: 08/07/12 14:20

Matrix: Water

Date Received: 08/07/12 16:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/15/12 04:52	1
Acetone	ND		10	3.0	ug/L			08/15/12 04:52	1
Benzene	ND		1.0	0.41	ug/L			08/15/12 04:52	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/15/12 04:52	1
Bromoform	ND		1.0	0.26	ug/L			08/15/12 04:52	1
Bromomethane	ND		1.0	0.69	ug/L			08/15/12 04:52	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/15/12 04:52	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/15/12 04:52	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/15/12 04:52	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/15/12 04:52	1
Chloroethane	ND		1.0	0.32	ug/L			08/15/12 04:52	1
Chloroform	ND		1.0	0.34	ug/L			08/15/12 04:52	1
Chloromethane	ND		1.0	0.35	ug/L			08/15/12 04:52	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/15/12 04:52	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/15/12 04:52	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/15/12 04:52	1
Styrene	ND		1.0	0.73	ug/L			08/15/12 04:52	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/15/12 04:52	1
Toluene	ND		1.0	0.51	ug/L			08/15/12 04:52	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/15/12 04:52	1
Trichloroethene	ND		1.0	0.46	ug/L			08/15/12 04:52	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/15/12 04:52	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/15/12 04:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		66 - 137		08/15/12 04:52	1
Toluene-d8 (Surr)	110		71 - 126		08/15/12 04:52	1
4-Bromofluorobenzene (Surr)	104		73 - 120		08/15/12 04:52	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		5.1	0.53	ug/L		08/09/12 07:35	08/10/12 02:34	1
1,2,4-Trichlorobenzene	ND		10	0.45	ug/L		08/09/12 07:35	08/10/12 02:34	1
2,4,5-Trichlorophenol	ND		5.1	0.49	ug/L		08/09/12 07:35	08/10/12 02:34	1
1,2-Dichlorobenzene	ND		10	0.41	ug/L		08/09/12 07:35	08/10/12 02:34	1
2,4,6-Trichlorophenol	ND		5.1	0.62	ug/L		08/09/12 07:35	08/10/12 02:34	1
2,4-Dichlorophenol	ND		5.1	0.52	ug/L		08/09/12 07:35	08/10/12 02:34	1
2,4-Dimethylphenol	ND		5.1	0.51	ug/L		08/09/12 07:35	08/10/12 02:34	1
1,3-Dichlorobenzene	ND		10	0.49	ug/L		08/09/12 07:35	08/10/12 02:34	1
2,4-Dinitrophenol	ND		10	2.3	ug/L		08/09/12 07:35	08/10/12 02:34	1
2,4-Dinitrotoluene	ND		5.1	0.46	ug/L		08/09/12 07:35	08/10/12 02:34	1
1,4-Dichlorobenzene	ND		10	0.47	ug/L		08/09/12 07:35	08/10/12 02:34	1
2,6-Dinitrotoluene	ND		5.1	0.41	ug/L		08/09/12 07:35	08/10/12 02:34	1
2-Chloronaphthalene	ND		5.1	0.47	ug/L		08/09/12 07:35	08/10/12 02:34	1
2-Chlorophenol	ND		5.1	0.54	ug/L		08/09/12 07:35	08/10/12 02:34	1
2-Methylnaphthalene	ND		5.1	0.61	ug/L		08/09/12 07:35	08/10/12 02:34	1
2-Methylphenol	ND		5.1	0.41	ug/L		08/09/12 07:35	08/10/12 02:34	1
2-Nitroaniline	ND		10	0.43	ug/L		08/09/12 07:35	08/10/12 02:34	1
2-Nitrophenol	ND		5.1	0.49	ug/L		08/09/12 07:35	08/10/12 02:34	1
3,3'-Dichlorobenzidine	ND		5.1	0.41	ug/L		08/09/12 07:35	08/10/12 02:34	1
3-Nitroaniline	ND		10	0.49	ug/L		08/09/12 07:35	08/10/12 02:34	1

Client Sample Results

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

TestAmerica Job ID: 480-23574-1

Client Sample ID: MW-7

Lab Sample ID: 480-23574-4

Date Collected: 08/07/12 14:20

Matrix: Water

Date Received: 08/07/12 16:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		08/09/12 07:35	08/10/12 02:34	1
4-Bromophenyl phenyl ether	ND		5.1	0.46	ug/L		08/09/12 07:35	08/10/12 02:34	1
4-Chloro-3-methylphenol	ND		5.1	0.46	ug/L		08/09/12 07:35	08/10/12 02:34	1
4-Chloroaniline	ND		5.1	0.60	ug/L		08/09/12 07:35	08/10/12 02:34	1
4-Chlorophenyl phenyl ether	ND		5.1	0.36	ug/L		08/09/12 07:35	08/10/12 02:34	1
4-Methylphenol	ND		10	0.37	ug/L		08/09/12 07:35	08/10/12 02:34	1
4-Nitroaniline	ND		10	0.26	ug/L		08/09/12 07:35	08/10/12 02:34	1
4-Nitrophenol	ND		10	1.6	ug/L		08/09/12 07:35	08/10/12 02:34	1
Acenaphthene	ND		5.1	0.42	ug/L		08/09/12 07:35	08/10/12 02:34	1
Acenaphthylene	ND		5.1	0.39	ug/L		08/09/12 07:35	08/10/12 02:34	1
Anthracene	ND		5.1	0.29	ug/L		08/09/12 07:35	08/10/12 02:34	1
Benzo[a]anthracene	ND		5.1	0.37	ug/L		08/09/12 07:35	08/10/12 02:34	1
Benzo[a]pyrene	ND		5.1	0.48	ug/L		08/09/12 07:35	08/10/12 02:34	1
Benzo[b]fluoranthene	ND		5.1	0.35	ug/L		08/09/12 07:35	08/10/12 02:34	1
Benzo[g,h,i]perylene	ND		5.1	0.36	ug/L		08/09/12 07:35	08/10/12 02:34	1
Benzo[k]fluoranthene	ND		5.1	0.74	ug/L		08/09/12 07:35	08/10/12 02:34	1
Bis(2-chloroethoxy)methane	ND		5.1	0.36	ug/L		08/09/12 07:35	08/10/12 02:34	1
Bis(2-chloroethyl)ether	ND		5.1	0.41	ug/L		08/09/12 07:35	08/10/12 02:34	1
Bis(2-ethylhexyl) phthalate	ND		5.1	1.8	ug/L		08/09/12 07:35	08/10/12 02:34	1
Butyl benzyl phthalate	ND		5.1	0.43	ug/L		08/09/12 07:35	08/10/12 02:34	1
Carbazole	ND		5.1	0.31	ug/L		08/09/12 07:35	08/10/12 02:34	1
Chrysene	ND		5.1	0.34	ug/L		08/09/12 07:35	08/10/12 02:34	1
Di-n-butyl phthalate	ND		5.1	0.32	ug/L		08/09/12 07:35	08/10/12 02:34	1
Di-n-octyl phthalate	ND		5.1	0.48	ug/L		08/09/12 07:35	08/10/12 02:34	1
Dibenz(a,h)anthracene	ND		5.1	0.43	ug/L		08/09/12 07:35	08/10/12 02:34	1
Dibenzofuran	ND		10	0.52	ug/L		08/09/12 07:35	08/10/12 02:34	1
Diethyl phthalate	ND		5.1	0.22	ug/L		08/09/12 07:35	08/10/12 02:34	1
Dimethyl phthalate	ND		5.1	0.37	ug/L		08/09/12 07:35	08/10/12 02:34	1
Fluoranthene	ND		5.1	0.41	ug/L		08/09/12 07:35	08/10/12 02:34	1
Fluorene	ND		5.1	0.37	ug/L		08/09/12 07:35	08/10/12 02:34	1
Hexachlorobenzene	ND		5.1	0.52	ug/L		08/09/12 07:35	08/10/12 02:34	1
Hexachlorobutadiene	ND		5.1	0.69	ug/L		08/09/12 07:35	08/10/12 02:34	1
Hexachlorocyclopentadiene	ND		5.1	0.60	ug/L		08/09/12 07:35	08/10/12 02:34	1
Hexachloroethane	ND		5.1	0.60	ug/L		08/09/12 07:35	08/10/12 02:34	1
Indeno[1,2,3-cd]pyrene	ND		5.1	0.48	ug/L		08/09/12 07:35	08/10/12 02:34	1
Isophorone	ND		5.1	0.44	ug/L		08/09/12 07:35	08/10/12 02:34	1
N-Nitrosodi-n-propylamine	ND		5.1	0.55	ug/L		08/09/12 07:35	08/10/12 02:34	1
N-Nitrosodiphenylamine	ND		5.1	0.52	ug/L		08/09/12 07:35	08/10/12 02:34	1
Naphthalene	ND		5.1	0.78	ug/L		08/09/12 07:35	08/10/12 02:34	1
Nitrobenzene	ND		5.1	0.30	ug/L		08/09/12 07:35	08/10/12 02:34	1
Pentachlorophenol	ND		10	2.2	ug/L		08/09/12 07:35	08/10/12 02:34	1
Phenanthrene	ND		5.1	0.45	ug/L		08/09/12 07:35	08/10/12 02:34	1
Phenol	ND		5.1	0.40	ug/L		08/09/12 07:35	08/10/12 02:34	1
Pyrene	ND		5.1	0.35	ug/L		08/09/12 07:35	08/10/12 02:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	104		52 - 132				08/09/12 07:35	08/10/12 02:34	1
2-Fluorobiphenyl	88		48 - 120				08/09/12 07:35	08/10/12 02:34	1
2-Fluorophenol	45		20 - 120				08/09/12 07:35	08/10/12 02:34	1
Nitrobenzene-d5	99		46 - 120				08/09/12 07:35	08/10/12 02:34	1
p-Terphenyl-d14	52	X	67 - 150				08/09/12 07:35	08/10/12 02:34	1

Client Sample Results

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

TestAmerica Job ID: 480-23574-1

Client Sample ID: MW-7

Date Collected: 08/07/12 14:20

Date Received: 08/07/12 16:10

Lab Sample ID: 480-23574-4

Matrix: Water

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Phenol-d5	33		16 - 120	08/09/12 07:35	08/10/12 02:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.59	0.21	ug/L		08/14/12 14:14	08/17/12 18:26	1
PCB-1221	ND		0.59	0.21	ug/L		08/14/12 14:14	08/17/12 18:26	1
PCB-1232	ND		0.59	0.21	ug/L		08/14/12 14:14	08/17/12 18:26	1
PCB-1242	1.5		0.59	0.21	ug/L		08/14/12 14:14	08/17/12 18:26	1
PCB-1248	ND		0.59	0.21	ug/L		08/14/12 14:14	08/17/12 18:26	1
PCB-1254	ND		0.59	0.29	ug/L		08/14/12 14:14	08/17/12 18:26	1
PCB-1260	ND		0.59	0.29	ug/L		08/14/12 14:14	08/17/12 18:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	48		19 - 120	08/14/12 14:14	08/17/12 18:26	1
Tetrachloro-m-xylene	88		23 - 127	08/14/12 14:14	08/17/12 18:26	1

Client Sample ID: RW-4

Date Collected: 08/07/12 10:50

Date Received: 08/07/12 16:10

Lab Sample ID: 480-23574-5

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			08/15/12 05:15	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/15/12 05:15	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/15/12 05:15	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/15/12 05:15	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/15/12 05:15	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/15/12 05:15	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/15/12 05:15	1
2-Hexanone	ND		5.0	1.2	ug/L			08/15/12 05:15	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/15/12 05:15	1
1,2-Dichloroethene, Total	ND		2.0	0.70	ug/L			08/15/12 05:15	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/15/12 05:15	1
Acetone	ND		10	3.0	ug/L			08/15/12 05:15	1
Benzene	6.5		1.0	0.41	ug/L			08/15/12 05:15	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/15/12 05:15	1
Bromoform	ND		1.0	0.26	ug/L			08/15/12 05:15	1
Bromomethane	ND		1.0	0.69	ug/L			08/15/12 05:15	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/15/12 05:15	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/15/12 05:15	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/15/12 05:15	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/15/12 05:15	1
Chloroethane	ND		1.0	0.32	ug/L			08/15/12 05:15	1
Chloroform	ND		1.0	0.34	ug/L			08/15/12 05:15	1
Chloromethane	ND		1.0	0.35	ug/L			08/15/12 05:15	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/15/12 05:15	1
Ethylbenzene	1.6		1.0	0.74	ug/L			08/15/12 05:15	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/15/12 05:15	1
Styrene	ND		1.0	0.73	ug/L			08/15/12 05:15	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/15/12 05:15	1
Toluene	0.55 J		1.0	0.51	ug/L			08/15/12 05:15	1

Client Sample Results

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

TestAmerica Job ID: 480-23574-1

Client Sample ID: RW-4

Lab Sample ID: 480-23574-5

Date Collected: 08/07/12 10:50

Matrix: Water

Date Received: 08/07/12 16:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/15/12 05:15	1
Trichloroethene	ND		1.0	0.46	ug/L			08/15/12 05:15	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/15/12 05:15	1
Xylenes, Total	3.3		2.0	0.66	ug/L			08/15/12 05:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		66 - 137					08/15/12 05:15	1
Toluene-d8 (Surr)	111		71 - 126					08/15/12 05:15	1
4-Bromofluorobenzene (Surr)	104		73 - 120					08/15/12 05:15	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	0.51	ug/L		08/09/12 07:35	08/10/12 02:58	1
1,2,4-Trichlorobenzene	ND		9.9	0.44	ug/L		08/09/12 07:35	08/10/12 02:58	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		08/09/12 07:35	08/10/12 02:58	1
1,2-Dichlorobenzene	ND		9.9	0.40	ug/L		08/09/12 07:35	08/10/12 02:58	1
2,4,6-Trichlorophenol	ND		5.0	0.60	ug/L		08/09/12 07:35	08/10/12 02:58	1
2,4-Dichlorophenol	ND		5.0	0.50	ug/L		08/09/12 07:35	08/10/12 02:58	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		08/09/12 07:35	08/10/12 02:58	1
1,3-Dichlorobenzene	ND		9.9	0.48	ug/L		08/09/12 07:35	08/10/12 02:58	1
2,4-Dinitrophenol	ND		9.9	2.2	ug/L		08/09/12 07:35	08/10/12 02:58	1
2,4-Dinitrotoluene	ND		5.0	0.44	ug/L		08/09/12 07:35	08/10/12 02:58	1
1,4-Dichlorobenzene	ND		9.9	0.46	ug/L		08/09/12 07:35	08/10/12 02:58	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		08/09/12 07:35	08/10/12 02:58	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		08/09/12 07:35	08/10/12 02:58	1
2-Chlorophenol	ND		5.0	0.52	ug/L		08/09/12 07:35	08/10/12 02:58	1
2-Methylnaphthalene	ND		5.0	0.59	ug/L		08/09/12 07:35	08/10/12 02:58	1
2-Methylphenol	ND		5.0	0.40	ug/L		08/09/12 07:35	08/10/12 02:58	1
2-Nitroaniline	ND		9.9	0.42	ug/L		08/09/12 07:35	08/10/12 02:58	1
2-Nitrophenol	ND		5.0	0.48	ug/L		08/09/12 07:35	08/10/12 02:58	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		08/09/12 07:35	08/10/12 02:58	1
3-Nitroaniline	ND		9.9	0.48	ug/L		08/09/12 07:35	08/10/12 02:58	1
4,6-Dinitro-2-methylphenol	ND		9.9	2.2	ug/L		08/09/12 07:35	08/10/12 02:58	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		08/09/12 07:35	08/10/12 02:58	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		08/09/12 07:35	08/10/12 02:58	1
4-Chloroaniline	ND		5.0	0.58	ug/L		08/09/12 07:35	08/10/12 02:58	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		08/09/12 07:35	08/10/12 02:58	1
4-Methylphenol	ND		9.9	0.36	ug/L		08/09/12 07:35	08/10/12 02:58	1
4-Nitroaniline	ND		9.9	0.25	ug/L		08/09/12 07:35	08/10/12 02:58	1
4-Nitrophenol	ND		9.9	1.5	ug/L		08/09/12 07:35	08/10/12 02:58	1
Acenaphthene	ND		5.0	0.41	ug/L		08/09/12 07:35	08/10/12 02:58	1
Acenaphthylene	ND		5.0	0.38	ug/L		08/09/12 07:35	08/10/12 02:58	1
Anthracene	ND		5.0	0.28	ug/L		08/09/12 07:35	08/10/12 02:58	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		08/09/12 07:35	08/10/12 02:58	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		08/09/12 07:35	08/10/12 02:58	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		08/09/12 07:35	08/10/12 02:58	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		08/09/12 07:35	08/10/12 02:58	1
Benzo[k]fluoranthene	ND		5.0	0.72	ug/L		08/09/12 07:35	08/10/12 02:58	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		08/09/12 07:35	08/10/12 02:58	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		08/09/12 07:35	08/10/12 02:58	1
Bis(2-ethylhexyl) phthalate	ND		5.0	1.8	ug/L		08/09/12 07:35	08/10/12 02:58	1

Client Sample Results

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

TestAmerica Job ID: 480-23574-1

Client Sample ID: RW-4

Lab Sample ID: 480-23574-5

Date Collected: 08/07/12 10:50

Matrix: Water

Date Received: 08/07/12 16:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Butyl benzyl phthalate	ND		5.0	0.42	ug/L		08/09/12 07:35	08/10/12 02:58	1
Carbazole	ND		5.0	0.30	ug/L		08/09/12 07:35	08/10/12 02:58	1
Chrysene	ND		5.0	0.33	ug/L		08/09/12 07:35	08/10/12 02:58	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		08/09/12 07:35	08/10/12 02:58	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		08/09/12 07:35	08/10/12 02:58	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		08/09/12 07:35	08/10/12 02:58	1
Dibenzofuran	ND		9.9	0.50	ug/L		08/09/12 07:35	08/10/12 02:58	1
Diethyl phthalate	ND		5.0	0.22	ug/L		08/09/12 07:35	08/10/12 02:58	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		08/09/12 07:35	08/10/12 02:58	1
Fluoranthene	ND		5.0	0.40	ug/L		08/09/12 07:35	08/10/12 02:58	1
Fluorene	ND		5.0	0.36	ug/L		08/09/12 07:35	08/10/12 02:58	1
Hexachlorobenzene	ND		5.0	0.50	ug/L		08/09/12 07:35	08/10/12 02:58	1
Hexachlorobutadiene	ND		5.0	0.67	ug/L		08/09/12 07:35	08/10/12 02:58	1
Hexachlorocyclopentadiene	ND		5.0	0.58	ug/L		08/09/12 07:35	08/10/12 02:58	1
Hexachloroethane	ND		5.0	0.58	ug/L		08/09/12 07:35	08/10/12 02:58	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		08/09/12 07:35	08/10/12 02:58	1
Isophorone	ND		5.0	0.43	ug/L		08/09/12 07:35	08/10/12 02:58	1
N-Nitrosodi-n-propylamine	ND		5.0	0.53	ug/L		08/09/12 07:35	08/10/12 02:58	1
N-Nitrosodiphenylamine	ND		5.0	0.50	ug/L		08/09/12 07:35	08/10/12 02:58	1
Naphthalene	5.8		5.0	0.75	ug/L		08/09/12 07:35	08/10/12 02:58	1
Nitrobenzene	ND		5.0	0.29	ug/L		08/09/12 07:35	08/10/12 02:58	1
Pentachlorophenol	ND		9.9	2.2	ug/L		08/09/12 07:35	08/10/12 02:58	1
Phenanthrene	ND		5.0	0.44	ug/L		08/09/12 07:35	08/10/12 02:58	1
Phenol	ND		5.0	0.39	ug/L		08/09/12 07:35	08/10/12 02:58	1
Pyrene	ND		5.0	0.34	ug/L		08/09/12 07:35	08/10/12 02:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	110		52 - 132	08/09/12 07:35	08/10/12 02:58	1
2-Fluorobiphenyl	95		48 - 120	08/09/12 07:35	08/10/12 02:58	1
2-Fluorophenol	44		20 - 120	08/09/12 07:35	08/10/12 02:58	1
Nitrobenzene-d5	103		46 - 120	08/09/12 07:35	08/10/12 02:58	1
p-Terphenyl-d14	58	X	67 - 150	08/09/12 07:35	08/10/12 02:58	1
Phenol-d5	32		16 - 120	08/09/12 07:35	08/10/12 02:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.51	0.18	ug/L		08/10/12 08:44	08/12/12 23:36	1
PCB-1221	ND		0.51	0.18	ug/L		08/10/12 08:44	08/12/12 23:36	1
PCB-1232	ND		0.51	0.18	ug/L		08/10/12 08:44	08/12/12 23:36	1
PCB-1242	ND		0.51	0.18	ug/L		08/10/12 08:44	08/12/12 23:36	1
PCB-1248	ND		0.51	0.18	ug/L		08/10/12 08:44	08/12/12 23:36	1
PCB-1254	ND		0.51	0.26	ug/L		08/10/12 08:44	08/12/12 23:36	1
PCB-1260	ND		0.51	0.26	ug/L		08/10/12 08:44	08/12/12 23:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	53		19 - 120	08/10/12 08:44	08/12/12 23:36	1
Tetrachloro-m-xylene	91		23 - 127	08/10/12 08:44	08/12/12 23:36	1

Client Sample Results

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

TestAmerica Job ID: 480-23574-1

Client Sample ID: RW-5

Lab Sample ID: 480-23574-6

Date Collected: 08/07/12 09:51

Matrix: Water

Date Received: 08/07/12 16:10

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			08/15/12 05:37	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/15/12 05:37	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/15/12 05:37	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/15/12 05:37	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/15/12 05:37	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/15/12 05:37	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/15/12 05:37	1
2-Hexanone	ND		5.0	1.2	ug/L			08/15/12 05:37	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/15/12 05:37	1
1,2-Dichloroethene, Total	ND		2.0	0.70	ug/L			08/15/12 05:37	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/15/12 05:37	1
Acetone	ND		10	3.0	ug/L			08/15/12 05:37	1
Benzene	41		1.0	0.41	ug/L			08/15/12 05:37	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/15/12 05:37	1
Bromoform	ND		1.0	0.26	ug/L			08/15/12 05:37	1
Bromomethane	ND		1.0	0.69	ug/L			08/15/12 05:37	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/15/12 05:37	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/15/12 05:37	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/15/12 05:37	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/15/12 05:37	1
Chloroethane	ND		1.0	0.32	ug/L			08/15/12 05:37	1
Chloroform	ND		1.0	0.34	ug/L			08/15/12 05:37	1
Chloromethane	ND		1.0	0.35	ug/L			08/15/12 05:37	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/15/12 05:37	1
Ethylbenzene	15		1.0	0.74	ug/L			08/15/12 05:37	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/15/12 05:37	1
Styrene	ND		1.0	0.73	ug/L			08/15/12 05:37	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/15/12 05:37	1
Toluene	1.5		1.0	0.51	ug/L			08/15/12 05:37	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/15/12 05:37	1
Trichloroethene	ND		1.0	0.46	ug/L			08/15/12 05:37	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/15/12 05:37	1
Xylenes, Total	24		2.0	0.66	ug/L			08/15/12 05:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		66 - 137		08/15/12 05:37	1
Toluene-d8 (Surr)	112		71 - 126		08/15/12 05:37	1
4-Bromofluorobenzene (Surr)	108		73 - 120		08/15/12 05:37	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	0.51	ug/L		08/09/12 07:35	08/10/12 03:21	1
1,2,4-Trichlorobenzene	ND		9.9	0.44	ug/L		08/09/12 07:35	08/10/12 03:21	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		08/09/12 07:35	08/10/12 03:21	1
1,2-Dichlorobenzene	ND		9.9	0.40	ug/L		08/09/12 07:35	08/10/12 03:21	1
2,4,6-Trichlorophenol	ND		5.0	0.60	ug/L		08/09/12 07:35	08/10/12 03:21	1
2,4-Dichlorophenol	ND		5.0	0.50	ug/L		08/09/12 07:35	08/10/12 03:21	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		08/09/12 07:35	08/10/12 03:21	1
1,3-Dichlorobenzene	ND		9.9	0.48	ug/L		08/09/12 07:35	08/10/12 03:21	1
2,4-Dinitrophenol	ND		9.9	2.2	ug/L		08/09/12 07:35	08/10/12 03:21	1
2,4-Dinitrotoluene	ND		5.0	0.44	ug/L		08/09/12 07:35	08/10/12 03:21	1

Client Sample Results

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

TestAmerica Job ID: 480-23574-1

Client Sample ID: RW-5

Lab Sample ID: 480-23574-6

Date Collected: 08/07/12 09:51

Matrix: Water

Date Received: 08/07/12 16:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		9.9	0.46	ug/L		08/09/12 07:35	08/10/12 03:21	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		08/09/12 07:35	08/10/12 03:21	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		08/09/12 07:35	08/10/12 03:21	1
2-Chlorophenol	ND		5.0	0.52	ug/L		08/09/12 07:35	08/10/12 03:21	1
2-Methylnaphthalene	1.7	J	5.0	0.59	ug/L		08/09/12 07:35	08/10/12 03:21	1
2-Methylphenol	ND		5.0	0.40	ug/L		08/09/12 07:35	08/10/12 03:21	1
2-Nitroaniline	ND		9.9	0.42	ug/L		08/09/12 07:35	08/10/12 03:21	1
2-Nitrophenol	ND		5.0	0.48	ug/L		08/09/12 07:35	08/10/12 03:21	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		08/09/12 07:35	08/10/12 03:21	1
3-Nitroaniline	ND		9.9	0.48	ug/L		08/09/12 07:35	08/10/12 03:21	1
4,6-Dinitro-2-methylphenol	ND		9.9	2.2	ug/L		08/09/12 07:35	08/10/12 03:21	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		08/09/12 07:35	08/10/12 03:21	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		08/09/12 07:35	08/10/12 03:21	1
4-Chloroaniline	ND		5.0	0.58	ug/L		08/09/12 07:35	08/10/12 03:21	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		08/09/12 07:35	08/10/12 03:21	1
4-Methylphenol	ND		9.9	0.36	ug/L		08/09/12 07:35	08/10/12 03:21	1
4-Nitroaniline	ND		9.9	0.25	ug/L		08/09/12 07:35	08/10/12 03:21	1
4-Nitrophenol	ND		9.9	1.5	ug/L		08/09/12 07:35	08/10/12 03:21	1
Acenaphthene	ND		5.0	0.41	ug/L		08/09/12 07:35	08/10/12 03:21	1
Acenaphthylene	0.77	J	5.0	0.38	ug/L		08/09/12 07:35	08/10/12 03:21	1
Anthracene	ND		5.0	0.28	ug/L		08/09/12 07:35	08/10/12 03:21	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		08/09/12 07:35	08/10/12 03:21	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		08/09/12 07:35	08/10/12 03:21	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		08/09/12 07:35	08/10/12 03:21	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		08/09/12 07:35	08/10/12 03:21	1
Benzo[k]fluoranthene	ND		5.0	0.72	ug/L		08/09/12 07:35	08/10/12 03:21	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		08/09/12 07:35	08/10/12 03:21	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		08/09/12 07:35	08/10/12 03:21	1
Bis(2-ethylhexyl) phthalate	ND		5.0	1.8	ug/L		08/09/12 07:35	08/10/12 03:21	1
Butyl benzyl phthalate	ND		5.0	0.42	ug/L		08/09/12 07:35	08/10/12 03:21	1
Carbazole	ND		5.0	0.30	ug/L		08/09/12 07:35	08/10/12 03:21	1
Chrysene	ND		5.0	0.33	ug/L		08/09/12 07:35	08/10/12 03:21	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		08/09/12 07:35	08/10/12 03:21	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		08/09/12 07:35	08/10/12 03:21	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		08/09/12 07:35	08/10/12 03:21	1
Dibenzofuran	ND		9.9	0.50	ug/L		08/09/12 07:35	08/10/12 03:21	1
Diethyl phthalate	ND		5.0	0.22	ug/L		08/09/12 07:35	08/10/12 03:21	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		08/09/12 07:35	08/10/12 03:21	1
Fluoranthene	ND		5.0	0.40	ug/L		08/09/12 07:35	08/10/12 03:21	1
Fluorene	ND		5.0	0.36	ug/L		08/09/12 07:35	08/10/12 03:21	1
Hexachlorobenzene	ND		5.0	0.50	ug/L		08/09/12 07:35	08/10/12 03:21	1
Hexachlorobutadiene	ND		5.0	0.67	ug/L		08/09/12 07:35	08/10/12 03:21	1
Hexachlorocyclopentadiene	ND		5.0	0.58	ug/L		08/09/12 07:35	08/10/12 03:21	1
Hexachloroethane	ND		5.0	0.58	ug/L		08/09/12 07:35	08/10/12 03:21	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		08/09/12 07:35	08/10/12 03:21	1
Isophorone	ND		5.0	0.43	ug/L		08/09/12 07:35	08/10/12 03:21	1
N-Nitrosodi-n-propylamine	ND		5.0	0.53	ug/L		08/09/12 07:35	08/10/12 03:21	1
N-Nitrosodiphenylamine	ND		5.0	0.50	ug/L		08/09/12 07:35	08/10/12 03:21	1
Naphthalene	8.8		5.0	0.75	ug/L		08/09/12 07:35	08/10/12 03:21	1
Nitrobenzene	ND		5.0	0.29	ug/L		08/09/12 07:35	08/10/12 03:21	1
Pentachlorophenol	ND		9.9	2.2	ug/L		08/09/12 07:35	08/10/12 03:21	1

Client Sample Results

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

TestAmerica Job ID: 480-23574-1

Client Sample ID: RW-5

Lab Sample ID: 480-23574-6

Date Collected: 08/07/12 09:51

Matrix: Water

Date Received: 08/07/12 16:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenanthrene	ND		5.0	0.44	ug/L		08/09/12 07:35	08/10/12 03:21	1
Phenol	ND		5.0	0.39	ug/L		08/09/12 07:35	08/10/12 03:21	1
Pyrene	ND		5.0	0.34	ug/L		08/09/12 07:35	08/10/12 03:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	114		52 - 132				08/09/12 07:35	08/10/12 03:21	1
2-Fluorobiphenyl	95		48 - 120				08/09/12 07:35	08/10/12 03:21	1
2-Fluorophenol	43		20 - 120				08/09/12 07:35	08/10/12 03:21	1
Nitrobenzene-d5	104		46 - 120				08/09/12 07:35	08/10/12 03:21	1
p-Terphenyl-d14	83		67 - 150				08/09/12 07:35	08/10/12 03:21	1
Phenol-d5	33		16 - 120				08/09/12 07:35	08/10/12 03:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		08/10/12 08:44	08/12/12 23:56	1
PCB-1221	ND		0.50	0.18	ug/L		08/10/12 08:44	08/12/12 23:56	1
PCB-1232	ND		0.50	0.18	ug/L		08/10/12 08:44	08/12/12 23:56	1
PCB-1242	ND		0.50	0.18	ug/L		08/10/12 08:44	08/12/12 23:56	1
PCB-1248	ND		0.50	0.18	ug/L		08/10/12 08:44	08/12/12 23:56	1
PCB-1254	ND		0.50	0.25	ug/L		08/10/12 08:44	08/12/12 23:56	1
PCB-1260	ND		0.50	0.25	ug/L		08/10/12 08:44	08/12/12 23:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	46		19 - 120				08/10/12 08:44	08/12/12 23:56	1
Tetrachloro-m-xylene	93		23 - 127				08/10/12 08:44	08/12/12 23:56	1

Client Sample ID: MW-1

Lab Sample ID: 480-23574-7

Date Collected: 08/07/12 15:05

Matrix: Water

Date Received: 08/07/12 16:10

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			08/15/12 05:59	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/15/12 05:59	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/15/12 05:59	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/15/12 05:59	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/15/12 05:59	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/15/12 05:59	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/15/12 05:59	1
2-Hexanone	ND		5.0	1.2	ug/L			08/15/12 05:59	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/15/12 05:59	1
1,2-Dichloroethene, Total	ND		2.0	0.70	ug/L			08/15/12 05:59	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/15/12 05:59	1
Acetone	ND		10	3.0	ug/L			08/15/12 05:59	1
Benzene	ND		1.0	0.41	ug/L			08/15/12 05:59	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/15/12 05:59	1
Bromoform	ND		1.0	0.26	ug/L			08/15/12 05:59	1
Bromomethane	ND		1.0	0.69	ug/L			08/15/12 05:59	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/15/12 05:59	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/15/12 05:59	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/15/12 05:59	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/15/12 05:59	1

Client Sample Results

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

TestAmerica Job ID: 480-23574-1

Client Sample ID: MW-1

Lab Sample ID: 480-23574-7

Date Collected: 08/07/12 15:05

Matrix: Water

Date Received: 08/07/12 16:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	ND		1.0	0.32	ug/L			08/15/12 05:59	1
Chloroform	ND		1.0	0.34	ug/L			08/15/12 05:59	1
Chloromethane	ND		1.0	0.35	ug/L			08/15/12 05:59	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/15/12 05:59	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/15/12 05:59	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/15/12 05:59	1
Styrene	ND		1.0	0.73	ug/L			08/15/12 05:59	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/15/12 05:59	1
Toluene	ND		1.0	0.51	ug/L			08/15/12 05:59	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/15/12 05:59	1
Trichloroethene	ND		1.0	0.46	ug/L			08/15/12 05:59	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/15/12 05:59	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/15/12 05:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		66 - 137		08/15/12 05:59	1
Toluene-d8 (Surr)	114		71 - 126		08/15/12 05:59	1
4-Bromofluorobenzene (Surr)	106		73 - 120		08/15/12 05:59	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		08/09/12 07:35	08/10/12 03:45	1
1,2,4-Trichlorobenzene	ND		10	0.44	ug/L		08/09/12 07:35	08/10/12 03:45	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		08/09/12 07:35	08/10/12 03:45	1
1,2-Dichlorobenzene	ND		10	0.40	ug/L		08/09/12 07:35	08/10/12 03:45	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		08/09/12 07:35	08/10/12 03:45	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		08/09/12 07:35	08/10/12 03:45	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		08/09/12 07:35	08/10/12 03:45	1
1,3-Dichlorobenzene	ND		10	0.48	ug/L		08/09/12 07:35	08/10/12 03:45	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		08/09/12 07:35	08/10/12 03:45	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		08/09/12 07:35	08/10/12 03:45	1
1,4-Dichlorobenzene	ND		10	0.46	ug/L		08/09/12 07:35	08/10/12 03:45	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		08/09/12 07:35	08/10/12 03:45	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		08/09/12 07:35	08/10/12 03:45	1
2-Chlorophenol	ND		5.0	0.53	ug/L		08/09/12 07:35	08/10/12 03:45	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		08/09/12 07:35	08/10/12 03:45	1
2-Methylphenol	ND		5.0	0.40	ug/L		08/09/12 07:35	08/10/12 03:45	1
2-Nitroaniline	ND		10	0.42	ug/L		08/09/12 07:35	08/10/12 03:45	1
2-Nitrophenol	ND		5.0	0.48	ug/L		08/09/12 07:35	08/10/12 03:45	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		08/09/12 07:35	08/10/12 03:45	1
3-Nitroaniline	ND		10	0.48	ug/L		08/09/12 07:35	08/10/12 03:45	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		08/09/12 07:35	08/10/12 03:45	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		08/09/12 07:35	08/10/12 03:45	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		08/09/12 07:35	08/10/12 03:45	1
4-Chloroaniline	ND		5.0	0.59	ug/L		08/09/12 07:35	08/10/12 03:45	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		08/09/12 07:35	08/10/12 03:45	1
4-Methylphenol	ND		10	0.36	ug/L		08/09/12 07:35	08/10/12 03:45	1
4-Nitroaniline	ND		10	0.25	ug/L		08/09/12 07:35	08/10/12 03:45	1
4-Nitrophenol	ND		10	1.5	ug/L		08/09/12 07:35	08/10/12 03:45	1
Acenaphthene	ND		5.0	0.41	ug/L		08/09/12 07:35	08/10/12 03:45	1
Acenaphthylene	ND		5.0	0.38	ug/L		08/09/12 07:35	08/10/12 03:45	1

Client Sample Results

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

TestAmerica Job ID: 480-23574-1

Client Sample ID: MW-1

Lab Sample ID: 480-23574-7

Date Collected: 08/07/12 15:05

Matrix: Water

Date Received: 08/07/12 16:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	ND		5.0	0.28	ug/L		08/09/12 07:35	08/10/12 03:45	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		08/09/12 07:35	08/10/12 03:45	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		08/09/12 07:35	08/10/12 03:45	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		08/09/12 07:35	08/10/12 03:45	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		08/09/12 07:35	08/10/12 03:45	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		08/09/12 07:35	08/10/12 03:45	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		08/09/12 07:35	08/10/12 03:45	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		08/09/12 07:35	08/10/12 03:45	1
Bis(2-ethylhexyl) phthalate	ND		5.0	1.8	ug/L		08/09/12 07:35	08/10/12 03:45	1
Butyl benzyl phthalate	ND		5.0	0.42	ug/L		08/09/12 07:35	08/10/12 03:45	1
Carbazole	ND		5.0	0.30	ug/L		08/09/12 07:35	08/10/12 03:45	1
Chrysene	ND		5.0	0.33	ug/L		08/09/12 07:35	08/10/12 03:45	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		08/09/12 07:35	08/10/12 03:45	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		08/09/12 07:35	08/10/12 03:45	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		08/09/12 07:35	08/10/12 03:45	1
Dibenzofuran	ND		10	0.51	ug/L		08/09/12 07:35	08/10/12 03:45	1
Diethyl phthalate	ND		5.0	0.22	ug/L		08/09/12 07:35	08/10/12 03:45	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		08/09/12 07:35	08/10/12 03:45	1
Fluoranthene	ND		5.0	0.40	ug/L		08/09/12 07:35	08/10/12 03:45	1
Fluorene	ND		5.0	0.36	ug/L		08/09/12 07:35	08/10/12 03:45	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		08/09/12 07:35	08/10/12 03:45	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		08/09/12 07:35	08/10/12 03:45	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		08/09/12 07:35	08/10/12 03:45	1
Hexachloroethane	ND		5.0	0.59	ug/L		08/09/12 07:35	08/10/12 03:45	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		08/09/12 07:35	08/10/12 03:45	1
Isophorone	ND		5.0	0.43	ug/L		08/09/12 07:35	08/10/12 03:45	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		08/09/12 07:35	08/10/12 03:45	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		08/09/12 07:35	08/10/12 03:45	1
Naphthalene	ND		5.0	0.76	ug/L		08/09/12 07:35	08/10/12 03:45	1
Nitrobenzene	ND		5.0	0.29	ug/L		08/09/12 07:35	08/10/12 03:45	1
Pentachlorophenol	ND		10	2.2	ug/L		08/09/12 07:35	08/10/12 03:45	1
Phenanthrene	ND		5.0	0.44	ug/L		08/09/12 07:35	08/10/12 03:45	1
Phenol	ND		5.0	0.39	ug/L		08/09/12 07:35	08/10/12 03:45	1
Pyrene	ND		5.0	0.34	ug/L		08/09/12 07:35	08/10/12 03:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	100		52 - 132	08/09/12 07:35	08/10/12 03:45	1
2-Fluorobiphenyl	88		48 - 120	08/09/12 07:35	08/10/12 03:45	1
2-Fluorophenol	40		20 - 120	08/09/12 07:35	08/10/12 03:45	1
Nitrobenzene-d5	100		46 - 120	08/09/12 07:35	08/10/12 03:45	1
p-Terphenyl-d14	55	X	67 - 150	08/09/12 07:35	08/10/12 03:45	1
Phenol-d5	30		16 - 120	08/09/12 07:35	08/10/12 03:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.51	0.18	ug/L		08/10/12 08:44	08/13/12 00:16	1
PCB-1221	ND		0.51	0.18	ug/L		08/10/12 08:44	08/13/12 00:16	1
PCB-1232	ND		0.51	0.18	ug/L		08/10/12 08:44	08/13/12 00:16	1
PCB-1242	ND		0.51	0.18	ug/L		08/10/12 08:44	08/13/12 00:16	1
PCB-1248	ND		0.51	0.18	ug/L		08/10/12 08:44	08/13/12 00:16	1
PCB-1254	ND		0.51	0.25	ug/L		08/10/12 08:44	08/13/12 00:16	1

Client Sample Results

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

TestAmerica Job ID: 480-23574-1

Client Sample ID: MW-1

Date Collected: 08/07/12 15:05

Date Received: 08/07/12 16:10

Lab Sample ID: 480-23574-7

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1260	ND		0.51	0.25	ug/L		08/10/12 08:44	08/13/12 00:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	49		19 - 120	08/10/12 08:44	08/13/12 00:16	1
Tetrachloro-m-xylene	93		23 - 127	08/10/12 08:44	08/13/12 00:16	1

Client Sample ID: MW-2

Date Collected: 08/07/12 14:45

Date Received: 08/07/12 16:10

Lab Sample ID: 480-23574-8

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			08/16/12 03:51	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/16/12 03:51	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/16/12 03:51	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/16/12 03:51	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/16/12 03:51	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/16/12 03:51	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/16/12 03:51	1
2-Hexanone	ND		5.0	1.2	ug/L			08/16/12 03:51	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/16/12 03:51	1
1,2-Dichloroethene, Total	ND		2.0	0.70	ug/L			08/16/12 03:51	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/16/12 03:51	1
Acetone	ND		10	3.0	ug/L			08/16/12 03:51	1
Benzene	ND		1.0	0.41	ug/L			08/16/12 03:51	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/16/12 03:51	1
Bromoform	ND		1.0	0.26	ug/L			08/16/12 03:51	1
Bromomethane	ND		1.0	0.69	ug/L			08/16/12 03:51	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/16/12 03:51	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/16/12 03:51	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/16/12 03:51	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/16/12 03:51	1
Chloroethane	ND		1.0	0.32	ug/L			08/16/12 03:51	1
Chloroform	ND		1.0	0.34	ug/L			08/16/12 03:51	1
Chloromethane	ND		1.0	0.35	ug/L			08/16/12 03:51	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/16/12 03:51	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/16/12 03:51	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/16/12 03:51	1
Styrene	ND		1.0	0.73	ug/L			08/16/12 03:51	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/16/12 03:51	1
Toluene	ND		1.0	0.51	ug/L			08/16/12 03:51	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/16/12 03:51	1
Trichloroethene	ND		1.0	0.46	ug/L			08/16/12 03:51	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/16/12 03:51	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/16/12 03:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	74		66 - 137		08/16/12 03:51	1
Toluene-d8 (Surr)	87		71 - 126		08/16/12 03:51	1
4-Bromofluorobenzene (Surr)	109		73 - 120		08/16/12 03:51	1

Client Sample Results

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

TestAmerica Job ID: 480-23574-1

Client Sample ID: MW-2

Lab Sample ID: 480-23574-8

Date Collected: 08/07/12 14:45

Matrix: Water

Date Received: 08/07/12 16:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
bis (2-chloroisopropyl) ether	ND		5.1	0.53	ug/L		08/09/12 07:35	08/10/12 04:08	1
1,2,4-Trichlorobenzene	ND		10	0.44	ug/L		08/09/12 07:35	08/10/12 04:08	1
2,4,5-Trichlorophenol	ND		5.1	0.48	ug/L		08/09/12 07:35	08/10/12 04:08	1
1,2-Dichlorobenzene	ND		10	0.40	ug/L		08/09/12 07:35	08/10/12 04:08	1
2,4,6-Trichlorophenol	ND		5.1	0.62	ug/L		08/09/12 07:35	08/10/12 04:08	1
2,4-Dichlorophenol	ND		5.1	0.52	ug/L		08/09/12 07:35	08/10/12 04:08	1
2,4-Dimethylphenol	ND		5.1	0.51	ug/L		08/09/12 07:35	08/10/12 04:08	1
1,3-Dichlorobenzene	ND		10	0.48	ug/L		08/09/12 07:35	08/10/12 04:08	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		08/09/12 07:35	08/10/12 04:08	1
2,4-Dinitrotoluene	ND		5.1	0.45	ug/L		08/09/12 07:35	08/10/12 04:08	1
1,4-Dichlorobenzene	ND		10	0.46	ug/L		08/09/12 07:35	08/10/12 04:08	1
2,6-Dinitrotoluene	ND		5.1	0.40	ug/L		08/09/12 07:35	08/10/12 04:08	1
2-Chloronaphthalene	ND		5.1	0.46	ug/L		08/09/12 07:35	08/10/12 04:08	1
2-Chlorophenol	ND		5.1	0.54	ug/L		08/09/12 07:35	08/10/12 04:08	1
2-Methylnaphthalene	ND		5.1	0.61	ug/L		08/09/12 07:35	08/10/12 04:08	1
2-Methylphenol	ND		5.1	0.40	ug/L		08/09/12 07:35	08/10/12 04:08	1
2-Nitroaniline	ND		10	0.42	ug/L		08/09/12 07:35	08/10/12 04:08	1
2-Nitrophenol	ND		5.1	0.48	ug/L		08/09/12 07:35	08/10/12 04:08	1
3,3'-Dichlorobenzidine	ND		5.1	0.40	ug/L		08/09/12 07:35	08/10/12 04:08	1
3-Nitroaniline	ND		10	0.48	ug/L		08/09/12 07:35	08/10/12 04:08	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		08/09/12 07:35	08/10/12 04:08	1
4-Bromophenyl phenyl ether	ND		5.1	0.45	ug/L		08/09/12 07:35	08/10/12 04:08	1
4-Chloro-3-methylphenol	ND		5.1	0.45	ug/L		08/09/12 07:35	08/10/12 04:08	1
4-Chloroaniline	ND		5.1	0.60	ug/L		08/09/12 07:35	08/10/12 04:08	1
4-Chlorophenyl phenyl ether	ND		5.1	0.35	ug/L		08/09/12 07:35	08/10/12 04:08	1
4-Methylphenol	ND		10	0.36	ug/L		08/09/12 07:35	08/10/12 04:08	1
4-Nitroaniline	ND		10	0.25	ug/L		08/09/12 07:35	08/10/12 04:08	1
4-Nitrophenol	ND		10	1.5	ug/L		08/09/12 07:35	08/10/12 04:08	1
Acenaphthene	ND		5.1	0.41	ug/L		08/09/12 07:35	08/10/12 04:08	1
Acenaphthylene	ND		5.1	0.38	ug/L		08/09/12 07:35	08/10/12 04:08	1
Anthracene	ND		5.1	0.28	ug/L		08/09/12 07:35	08/10/12 04:08	1
Benzo[a]anthracene	1.0	J	5.1	0.36	ug/L		08/09/12 07:35	08/10/12 04:08	1
Benzo[a]pyrene	0.83	J	5.1	0.47	ug/L		08/09/12 07:35	08/10/12 04:08	1
Benzo[b]fluoranthene	1.1	J	5.1	0.34	ug/L		08/09/12 07:35	08/10/12 04:08	1
Benzo[g,h,i]perylene	0.50	J	5.1	0.35	ug/L		08/09/12 07:35	08/10/12 04:08	1
Benzo[k]fluoranthene	ND		5.1	0.74	ug/L		08/09/12 07:35	08/10/12 04:08	1
Bis(2-chloroethoxy)methane	ND		5.1	0.35	ug/L		08/09/12 07:35	08/10/12 04:08	1
Bis(2-chloroethyl)ether	ND		5.1	0.40	ug/L		08/09/12 07:35	08/10/12 04:08	1
Bis(2-ethylhexyl) phthalate	ND		5.1	1.8	ug/L		08/09/12 07:35	08/10/12 04:08	1
Butyl benzyl phthalate	ND		5.1	0.42	ug/L		08/09/12 07:35	08/10/12 04:08	1
Carbazole	ND		5.1	0.30	ug/L		08/09/12 07:35	08/10/12 04:08	1
Chrysene	0.86	J	5.1	0.33	ug/L		08/09/12 07:35	08/10/12 04:08	1
Di-n-butyl phthalate	ND		5.1	0.31	ug/L		08/09/12 07:35	08/10/12 04:08	1
Di-n-octyl phthalate	ND		5.1	0.47	ug/L		08/09/12 07:35	08/10/12 04:08	1
Dibenz(a,h)anthracene	ND		5.1	0.42	ug/L		08/09/12 07:35	08/10/12 04:08	1
Dibenzofuran	ND		10	0.52	ug/L		08/09/12 07:35	08/10/12 04:08	1
Diethyl phthalate	ND		5.1	0.22	ug/L		08/09/12 07:35	08/10/12 04:08	1
Dimethyl phthalate	ND		5.1	0.36	ug/L		08/09/12 07:35	08/10/12 04:08	1
Fluoranthene	1.7	J	5.1	0.40	ug/L		08/09/12 07:35	08/10/12 04:08	1
Fluorene	ND		5.1	0.36	ug/L		08/09/12 07:35	08/10/12 04:08	1
Hexachlorobenzene	ND		5.1	0.52	ug/L		08/09/12 07:35	08/10/12 04:08	1

Client Sample Results

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

TestAmerica Job ID: 480-23574-1

Client Sample ID: MW-2

Lab Sample ID: 480-23574-8

Date Collected: 08/07/12 14:45

Matrix: Water

Date Received: 08/07/12 16:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobutadiene	ND		5.1	0.69	ug/L		08/09/12 07:35	08/10/12 04:08	1
Hexachlorocyclopentadiene	ND		5.1	0.60	ug/L		08/09/12 07:35	08/10/12 04:08	1
Hexachloroethane	ND		5.1	0.60	ug/L		08/09/12 07:35	08/10/12 04:08	1
Indeno[1,2,3-cd]pyrene	0.59	J	5.1	0.47	ug/L		08/09/12 07:35	08/10/12 04:08	1
Isophorone	ND		5.1	0.43	ug/L		08/09/12 07:35	08/10/12 04:08	1
N-Nitrosodi-n-propylamine	ND		5.1	0.55	ug/L		08/09/12 07:35	08/10/12 04:08	1
N-Nitrosodiphenylamine	ND		5.1	0.52	ug/L		08/09/12 07:35	08/10/12 04:08	1
Naphthalene	ND		5.1	0.77	ug/L		08/09/12 07:35	08/10/12 04:08	1
Nitrobenzene	ND		5.1	0.29	ug/L		08/09/12 07:35	08/10/12 04:08	1
Pentachlorophenol	ND		10	2.2	ug/L		08/09/12 07:35	08/10/12 04:08	1
Phenanthrene	1.1	J	5.1	0.44	ug/L		08/09/12 07:35	08/10/12 04:08	1
Phenol	ND		5.1	0.39	ug/L		08/09/12 07:35	08/10/12 04:08	1
Pyrene	1.4	J	5.1	0.34	ug/L		08/09/12 07:35	08/10/12 04:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	108		52 - 132	08/09/12 07:35	08/10/12 04:08	1
2-Fluorobiphenyl	89		48 - 120	08/09/12 07:35	08/10/12 04:08	1
2-Fluorophenol	45		20 - 120	08/09/12 07:35	08/10/12 04:08	1
Nitrobenzene-d5	102		46 - 120	08/09/12 07:35	08/10/12 04:08	1
p-Terphenyl-d14	84		67 - 150	08/09/12 07:35	08/10/12 04:08	1
Phenol-d5	32		16 - 120	08/09/12 07:35	08/10/12 04:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.51	0.18	ug/L		08/10/12 08:44	08/13/12 00:36	1
PCB-1221	ND		0.51	0.18	ug/L		08/10/12 08:44	08/13/12 00:36	1
PCB-1232	ND		0.51	0.18	ug/L		08/10/12 08:44	08/13/12 00:36	1
PCB-1242	ND		0.51	0.18	ug/L		08/10/12 08:44	08/13/12 00:36	1
PCB-1248	ND		0.51	0.18	ug/L		08/10/12 08:44	08/13/12 00:36	1
PCB-1254	ND		0.51	0.25	ug/L		08/10/12 08:44	08/13/12 00:36	1
PCB-1260	ND		0.51	0.25	ug/L		08/10/12 08:44	08/13/12 00:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	50		19 - 120	08/10/12 08:44	08/13/12 00:36	1
Tetrachloro-m-xylene	97		23 - 127	08/10/12 08:44	08/13/12 00:36	1

Client Sample ID: MW-3

Lab Sample ID: 480-23574-9

Date Collected: 08/07/12 13:30

Matrix: Water

Date Received: 08/07/12 16:10

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			08/16/12 04:16	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/16/12 04:16	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/16/12 04:16	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/16/12 04:16	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/16/12 04:16	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/16/12 04:16	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/16/12 04:16	1
2-Hexanone	ND		5.0	1.2	ug/L			08/16/12 04:16	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/16/12 04:16	1
1,2-Dichloroethene, Total	ND		2.0	0.70	ug/L			08/16/12 04:16	1

Client Sample Results

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

TestAmerica Job ID: 480-23574-1

Client Sample ID: MW-3

Lab Sample ID: 480-23574-9

Date Collected: 08/07/12 13:30

Matrix: Water

Date Received: 08/07/12 16:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/16/12 04:16	1
Acetone	ND		10	3.0	ug/L			08/16/12 04:16	1
Benzene	ND		1.0	0.41	ug/L			08/16/12 04:16	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/16/12 04:16	1
Bromoform	ND		1.0	0.26	ug/L			08/16/12 04:16	1
Bromomethane	ND		1.0	0.69	ug/L			08/16/12 04:16	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/16/12 04:16	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/16/12 04:16	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/16/12 04:16	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/16/12 04:16	1
Chloroethane	ND		1.0	0.32	ug/L			08/16/12 04:16	1
Chloroform	ND		1.0	0.34	ug/L			08/16/12 04:16	1
Chloromethane	ND		1.0	0.35	ug/L			08/16/12 04:16	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/16/12 04:16	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/16/12 04:16	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/16/12 04:16	1
Styrene	ND		1.0	0.73	ug/L			08/16/12 04:16	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/16/12 04:16	1
Toluene	ND		1.0	0.51	ug/L			08/16/12 04:16	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/16/12 04:16	1
Trichloroethene	ND		1.0	0.46	ug/L			08/16/12 04:16	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/16/12 04:16	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/16/12 04:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	72		66 - 137		08/16/12 04:16	1
Toluene-d8 (Surr)	84		71 - 126		08/16/12 04:16	1
4-Bromofluorobenzene (Surr)	107		73 - 120		08/16/12 04:16	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		08/09/12 07:35	08/10/12 04:32	1
1,2,4-Trichlorobenzene	ND		10	0.44	ug/L		08/09/12 07:35	08/10/12 04:32	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		08/09/12 07:35	08/10/12 04:32	1
1,2-Dichlorobenzene	ND		10	0.40	ug/L		08/09/12 07:35	08/10/12 04:32	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		08/09/12 07:35	08/10/12 04:32	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		08/09/12 07:35	08/10/12 04:32	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		08/09/12 07:35	08/10/12 04:32	1
1,3-Dichlorobenzene	ND		10	0.48	ug/L		08/09/12 07:35	08/10/12 04:32	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		08/09/12 07:35	08/10/12 04:32	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		08/09/12 07:35	08/10/12 04:32	1
1,4-Dichlorobenzene	ND		10	0.46	ug/L		08/09/12 07:35	08/10/12 04:32	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		08/09/12 07:35	08/10/12 04:32	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		08/09/12 07:35	08/10/12 04:32	1
2-Chlorophenol	ND		5.0	0.53	ug/L		08/09/12 07:35	08/10/12 04:32	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		08/09/12 07:35	08/10/12 04:32	1
2-Methylphenol	ND		5.0	0.40	ug/L		08/09/12 07:35	08/10/12 04:32	1
2-Nitroaniline	ND		10	0.42	ug/L		08/09/12 07:35	08/10/12 04:32	1
2-Nitrophenol	ND		5.0	0.48	ug/L		08/09/12 07:35	08/10/12 04:32	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		08/09/12 07:35	08/10/12 04:32	1
3-Nitroaniline	ND		10	0.48	ug/L		08/09/12 07:35	08/10/12 04:32	1

Client Sample Results

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

TestAmerica Job ID: 480-23574-1

Client Sample ID: MW-3

Lab Sample ID: 480-23574-9

Date Collected: 08/07/12 13:30

Matrix: Water

Date Received: 08/07/12 16:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		08/09/12 07:35	08/10/12 04:32	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		08/09/12 07:35	08/10/12 04:32	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		08/09/12 07:35	08/10/12 04:32	1
4-Chloroaniline	ND		5.0	0.59	ug/L		08/09/12 07:35	08/10/12 04:32	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		08/09/12 07:35	08/10/12 04:32	1
4-Methylphenol	ND		10	0.36	ug/L		08/09/12 07:35	08/10/12 04:32	1
4-Nitroaniline	ND		10	0.25	ug/L		08/09/12 07:35	08/10/12 04:32	1
4-Nitrophenol	ND		10	1.5	ug/L		08/09/12 07:35	08/10/12 04:32	1
Acenaphthene	ND		5.0	0.41	ug/L		08/09/12 07:35	08/10/12 04:32	1
Acenaphthylene	ND		5.0	0.38	ug/L		08/09/12 07:35	08/10/12 04:32	1
Anthracene	ND		5.0	0.28	ug/L		08/09/12 07:35	08/10/12 04:32	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		08/09/12 07:35	08/10/12 04:32	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		08/09/12 07:35	08/10/12 04:32	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		08/09/12 07:35	08/10/12 04:32	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		08/09/12 07:35	08/10/12 04:32	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		08/09/12 07:35	08/10/12 04:32	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		08/09/12 07:35	08/10/12 04:32	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		08/09/12 07:35	08/10/12 04:32	1
Bis(2-ethylhexyl) phthalate	ND		5.0	1.8	ug/L		08/09/12 07:35	08/10/12 04:32	1
Butyl benzyl phthalate	ND		5.0	0.42	ug/L		08/09/12 07:35	08/10/12 04:32	1
Carbazole	ND		5.0	0.30	ug/L		08/09/12 07:35	08/10/12 04:32	1
Chrysene	ND		5.0	0.33	ug/L		08/09/12 07:35	08/10/12 04:32	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		08/09/12 07:35	08/10/12 04:32	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		08/09/12 07:35	08/10/12 04:32	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		08/09/12 07:35	08/10/12 04:32	1
Dibenzofuran	ND		10	0.51	ug/L		08/09/12 07:35	08/10/12 04:32	1
Diethyl phthalate	ND		5.0	0.22	ug/L		08/09/12 07:35	08/10/12 04:32	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		08/09/12 07:35	08/10/12 04:32	1
Fluoranthene	ND		5.0	0.40	ug/L		08/09/12 07:35	08/10/12 04:32	1
Fluorene	ND		5.0	0.36	ug/L		08/09/12 07:35	08/10/12 04:32	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		08/09/12 07:35	08/10/12 04:32	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		08/09/12 07:35	08/10/12 04:32	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		08/09/12 07:35	08/10/12 04:32	1
Hexachloroethane	ND		5.0	0.59	ug/L		08/09/12 07:35	08/10/12 04:32	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		08/09/12 07:35	08/10/12 04:32	1
Isophorone	ND		5.0	0.43	ug/L		08/09/12 07:35	08/10/12 04:32	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		08/09/12 07:35	08/10/12 04:32	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		08/09/12 07:35	08/10/12 04:32	1
Naphthalene	ND		5.0	0.76	ug/L		08/09/12 07:35	08/10/12 04:32	1
Nitrobenzene	ND		5.0	0.29	ug/L		08/09/12 07:35	08/10/12 04:32	1
Pentachlorophenol	ND		10	2.2	ug/L		08/09/12 07:35	08/10/12 04:32	1
Phenanthrene	ND		5.0	0.44	ug/L		08/09/12 07:35	08/10/12 04:32	1
Phenol	ND		5.0	0.39	ug/L		08/09/12 07:35	08/10/12 04:32	1
Pyrene	ND		5.0	0.34	ug/L		08/09/12 07:35	08/10/12 04:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	106		52 - 132				08/09/12 07:35	08/10/12 04:32	1
2-Fluorobiphenyl	88		48 - 120				08/09/12 07:35	08/10/12 04:32	1
2-Fluorophenol	42		20 - 120				08/09/12 07:35	08/10/12 04:32	1
Nitrobenzene-d5	98		46 - 120				08/09/12 07:35	08/10/12 04:32	1
p-Terphenyl-d14	75		67 - 150				08/09/12 07:35	08/10/12 04:32	1

Client Sample Results

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

TestAmerica Job ID: 480-23574-1

Client Sample ID: MW-3

Date Collected: 08/07/12 13:30

Date Received: 08/07/12 16:10

Lab Sample ID: 480-23574-9

Matrix: Water

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Phenol-d5	30		16 - 120	08/09/12 07:35	08/10/12 04:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		08/10/12 08:44	08/13/12 00:56	1
PCB-1221	ND		0.50	0.18	ug/L		08/10/12 08:44	08/13/12 00:56	1
PCB-1232	ND		0.50	0.18	ug/L		08/10/12 08:44	08/13/12 00:56	1
PCB-1242	ND		0.50	0.18	ug/L		08/10/12 08:44	08/13/12 00:56	1
PCB-1248	ND		0.50	0.18	ug/L		08/10/12 08:44	08/13/12 00:56	1
PCB-1254	ND		0.50	0.25	ug/L		08/10/12 08:44	08/13/12 00:56	1
PCB-1260	ND		0.50	0.25	ug/L		08/10/12 08:44	08/13/12 00:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	103		19 - 120	08/10/12 08:44	08/13/12 00:56	1
Tetrachloro-m-xylene	97		23 - 127	08/10/12 08:44	08/13/12 00:56	1

Client Sample ID: TRIP BLANK

Date Collected: 08/07/12 00:00

Date Received: 08/07/12 16:10

Lab Sample ID: 480-23574-10

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			08/16/12 04:41	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/16/12 04:41	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/16/12 04:41	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/16/12 04:41	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/16/12 04:41	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/16/12 04:41	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/16/12 04:41	1
2-Hexanone	ND		5.0	1.2	ug/L			08/16/12 04:41	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/16/12 04:41	1
1,2-Dichloroethene, Total	ND		2.0	0.70	ug/L			08/16/12 04:41	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/16/12 04:41	1
Acetone	ND		10	3.0	ug/L			08/16/12 04:41	1
Benzene	ND		1.0	0.41	ug/L			08/16/12 04:41	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/16/12 04:41	1
Bromoform	ND		1.0	0.26	ug/L			08/16/12 04:41	1
Bromomethane	ND		1.0	0.69	ug/L			08/16/12 04:41	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/16/12 04:41	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/16/12 04:41	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/16/12 04:41	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/16/12 04:41	1
Chloroethane	ND		1.0	0.32	ug/L			08/16/12 04:41	1
Chloroform	ND		1.0	0.34	ug/L			08/16/12 04:41	1
Chloromethane	ND		1.0	0.35	ug/L			08/16/12 04:41	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/16/12 04:41	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/16/12 04:41	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/16/12 04:41	1
Styrene	ND		1.0	0.73	ug/L			08/16/12 04:41	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/16/12 04:41	1
Toluene	ND		1.0	0.51	ug/L			08/16/12 04:41	1

Client Sample Results

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

TestAmerica Job ID: 480-23574-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-23574-10

Date Collected: 08/07/12 00:00

Matrix: Water

Date Received: 08/07/12 16:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/16/12 04:41	1
Trichloroethene	ND		1.0	0.46	ug/L			08/16/12 04:41	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/16/12 04:41	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/16/12 04:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	79		66 - 137					08/16/12 04:41	1
Toluene-d8 (Surr)	91		71 - 126					08/16/12 04:41	1
4-Bromofluorobenzene (Surr)	116		73 - 120					08/16/12 04:41	1

Surrogate Summary

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

TestAmerica Job ID: 480-23574-1

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		12DCE (66-137)	TOL (71-126)	BFB (73-120)
480-23574-1	MW-4	105	111	104
480-23574-2	MW-5	101	109	106
480-23574-3	MW-6	105	110	104
480-23574-4	MW-7	98	110	104
480-23574-5	RW-4	106	111	104
480-23574-6	RW-5	107	112	108
480-23574-7	MW-1	109	114	106
480-23574-8	MW-2	74	87	109
480-23574-9	MW-3	72	84	107
480-23574-10	TRIP BLANK	79	91	116
LCS 480-76556/28	Lab Control Sample	104	113	105
LCS 480-76766/4	Lab Control Sample	76	88	109
MB 480-76556/5	Method Blank	105	111	104
MB 480-76766/5	Method Blank	73	86	106

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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (52-132)	FBP (48-120)	2FP (20-120)	NBZ (46-120)	TPH (67-150)	PHL (16-120)
480-23574-1	MW-4	70	77	27	84	51 X	20
480-23574-2	MW-5	100	80	44	97	89	34
480-23574-3	MW-6	105	90	42	98	55 X	30
480-23574-4	MW-7	104	88	45	99	52 X	33
480-23574-5	RW-4	110	95	44	103	58 X	32
480-23574-6	RW-5	114	95	43	104	83	33
480-23574-7	MW-1	100	88	40	100	55 X	30
480-23574-8	MW-2	108	89	45	102	84	32
480-23574-9	MW-3	106	88	42	98	75	30
LCS 480-75830/2-A	Lab Control Sample	105	91	52	101	127	40
MB 480-75830/1-A	Method Blank	98	81	41	85	121	30

Surrogate Legend

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

Surrogate Summary

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

TestAmerica Job ID: 480-23574-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	DCB1 (19-120)	TCX1 (23-127)
480-23574-1	MW-4	40	75
480-23574-2	MW-5	26	85
480-23574-3	MW-6	67	93
480-23574-4	MW-7	48	88
480-23574-5	RW-4	53	91
480-23574-6	RW-5	46	93
480-23574-7	MW-1	49	93
480-23574-8	MW-2	50	97
480-23574-9	MW-3	103	97
LCS 480-76525/2-A	Lab Control Sample	43	72
MB 480-76525/1-A	Method Blank	52	68

Surrogate Legend

DCB = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

QC Sample Results

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

TestAmerica Job ID: 480-23574-1

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

Lab Sample ID: MB 480-76556/5

Matrix: Water

Analysis Batch: 76556

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			08/14/12 21:23	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/14/12 21:23	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/14/12 21:23	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/14/12 21:23	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/14/12 21:23	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/14/12 21:23	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/14/12 21:23	1
2-Hexanone	ND		5.0	1.2	ug/L			08/14/12 21:23	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/14/12 21:23	1
1,2-Dichloroethene, Total	ND		2.0	0.70	ug/L			08/14/12 21:23	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/14/12 21:23	1
Acetone	ND		10	3.0	ug/L			08/14/12 21:23	1
Benzene	ND		1.0	0.41	ug/L			08/14/12 21:23	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/14/12 21:23	1
Bromoform	ND		1.0	0.26	ug/L			08/14/12 21:23	1
Bromomethane	ND		1.0	0.69	ug/L			08/14/12 21:23	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/14/12 21:23	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/14/12 21:23	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/14/12 21:23	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/14/12 21:23	1
Chloroethane	ND		1.0	0.32	ug/L			08/14/12 21:23	1
Chloroform	ND		1.0	0.34	ug/L			08/14/12 21:23	1
Chloromethane	ND		1.0	0.35	ug/L			08/14/12 21:23	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/14/12 21:23	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/14/12 21:23	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/14/12 21:23	1
Styrene	ND		1.0	0.73	ug/L			08/14/12 21:23	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/14/12 21:23	1
Toluene	ND		1.0	0.51	ug/L			08/14/12 21:23	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/14/12 21:23	1
Trichloroethene	ND		1.0	0.46	ug/L			08/14/12 21:23	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/14/12 21:23	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/14/12 21:23	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		66 - 137		08/14/12 21:23	1
Toluene-d8 (Surr)	111		71 - 126		08/14/12 21:23	1
4-Bromofluorobenzene (Surr)	104		73 - 120		08/14/12 21:23	1

Lab Sample ID: LCS 480-76556/28

Matrix: Water

Analysis Batch: 76556

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	26.6		ug/L		107	71 - 129
1,1-Dichloroethene	25.0	17.1		ug/L		68	65 - 138
1,2-Dichloroethane	25.0	23.5		ug/L		94	75 - 127
Benzene	25.0	25.0		ug/L		100	71 - 124
Chlorobenzene	25.0	25.0		ug/L		100	72 - 120

QC Sample Results

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

TestAmerica Job ID: 480-23574-1

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

Lab Sample ID: LCS 480-76556/28

Matrix: Water

Analysis Batch: 76556

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	25.0	25.8		ug/L		103	77 - 123
Tetrachloroethene	25.0	24.8		ug/L		99	74 - 122
Toluene	25.0	24.7		ug/L		99	70 - 122
Trichloroethene	25.0	24.2		ug/L		97	74 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	104		66 - 137
Toluene-d8 (Surr)	113		71 - 126
4-Bromofluorobenzene (Surr)	105		73 - 120

Lab Sample ID: MB 480-76766/5

Matrix: Water

Analysis Batch: 76766

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			08/16/12 01:27	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/16/12 01:27	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/16/12 01:27	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/16/12 01:27	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/16/12 01:27	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/16/12 01:27	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/16/12 01:27	1
2-Hexanone	ND		5.0	1.2	ug/L			08/16/12 01:27	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/16/12 01:27	1
1,2-Dichloroethene, Total	ND		2.0	0.70	ug/L			08/16/12 01:27	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/16/12 01:27	1
Acetone	ND		10	3.0	ug/L			08/16/12 01:27	1
Benzene	ND		1.0	0.41	ug/L			08/16/12 01:27	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/16/12 01:27	1
Bromoform	ND		1.0	0.26	ug/L			08/16/12 01:27	1
Bromomethane	ND		1.0	0.69	ug/L			08/16/12 01:27	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/16/12 01:27	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/16/12 01:27	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/16/12 01:27	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/16/12 01:27	1
Chloroethane	ND		1.0	0.32	ug/L			08/16/12 01:27	1
Chloroform	ND		1.0	0.34	ug/L			08/16/12 01:27	1
Chloromethane	ND		1.0	0.35	ug/L			08/16/12 01:27	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/16/12 01:27	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/16/12 01:27	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/16/12 01:27	1
Styrene	ND		1.0	0.73	ug/L			08/16/12 01:27	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/16/12 01:27	1
Toluene	ND		1.0	0.51	ug/L			08/16/12 01:27	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/16/12 01:27	1
Trichloroethene	ND		1.0	0.46	ug/L			08/16/12 01:27	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/16/12 01:27	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/16/12 01:27	1

QC Sample Results

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

TestAmerica Job ID: 480-23574-1

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

Lab Sample ID: MB 480-76766/5

Matrix: Water

Analysis Batch: 76766

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	73		66 - 137		08/16/12 01:27	1
Toluene-d8 (Surr)	86		71 - 126		08/16/12 01:27	1
4-Bromofluorobenzene (Surr)	106		73 - 120		08/16/12 01:27	1

Lab Sample ID: LCS 480-76766/4

Matrix: Water

Analysis Batch: 76766

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	28.7		ug/L		115	71 - 129
1,1-Dichloroethene	25.0	31.6		ug/L		127	65 - 138
1,2-Dichloroethane	25.0	25.6		ug/L		102	75 - 127
Benzene	25.0	28.7		ug/L		115	71 - 124
Chlorobenzene	25.0	26.8		ug/L		107	72 - 120
Ethylbenzene	25.0	27.4		ug/L		110	77 - 123
Tetrachloroethene	25.0	26.8		ug/L		107	74 - 122
Toluene	25.0	26.4		ug/L		106	70 - 122
Trichloroethene	25.0	28.2		ug/L		113	74 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	76		66 - 137
Toluene-d8 (Surr)	88		71 - 126
4-Bromofluorobenzene (Surr)	109		73 - 120

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

Lab Sample ID: MB 480-75830/1-A

Matrix: Water

Analysis Batch: 75965

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 75830

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		08/09/12 07:35	08/09/12 20:40	1
1,2,4-Trichlorobenzene	ND		10	0.44	ug/L		08/09/12 07:35	08/09/12 20:40	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		08/09/12 07:35	08/09/12 20:40	1
1,2-Dichlorobenzene	ND		10	0.40	ug/L		08/09/12 07:35	08/09/12 20:40	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		08/09/12 07:35	08/09/12 20:40	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		08/09/12 07:35	08/09/12 20:40	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		08/09/12 07:35	08/09/12 20:40	1
1,3-Dichlorobenzene	ND		10	0.48	ug/L		08/09/12 07:35	08/09/12 20:40	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		08/09/12 07:35	08/09/12 20:40	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		08/09/12 07:35	08/09/12 20:40	1
1,4-Dichlorobenzene	ND		10	0.46	ug/L		08/09/12 07:35	08/09/12 20:40	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		08/09/12 07:35	08/09/12 20:40	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		08/09/12 07:35	08/09/12 20:40	1
2-Chlorophenol	ND		5.0	0.53	ug/L		08/09/12 07:35	08/09/12 20:40	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		08/09/12 07:35	08/09/12 20:40	1
2-Methylphenol	ND		5.0	0.40	ug/L		08/09/12 07:35	08/09/12 20:40	1
2-Nitroaniline	ND		10	0.42	ug/L		08/09/12 07:35	08/09/12 20:40	1
2-Nitrophenol	ND		5.0	0.48	ug/L		08/09/12 07:35	08/09/12 20:40	1

QC Sample Results

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

TestAmerica Job ID: 480-23574-1

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

Lab Sample ID: MB 480-75830/1-A

Matrix: Water

Analysis Batch: 75965

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 75830

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		08/09/12 07:35	08/09/12 20:40	1
3-Nitroaniline	ND		10	0.48	ug/L		08/09/12 07:35	08/09/12 20:40	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		08/09/12 07:35	08/09/12 20:40	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		08/09/12 07:35	08/09/12 20:40	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		08/09/12 07:35	08/09/12 20:40	1
4-Chloroaniline	ND		5.0	0.59	ug/L		08/09/12 07:35	08/09/12 20:40	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		08/09/12 07:35	08/09/12 20:40	1
4-Methylphenol	ND		10	0.36	ug/L		08/09/12 07:35	08/09/12 20:40	1
4-Nitroaniline	ND		10	0.25	ug/L		08/09/12 07:35	08/09/12 20:40	1
4-Nitrophenol	ND		10	1.5	ug/L		08/09/12 07:35	08/09/12 20:40	1
Acenaphthene	ND		5.0	0.41	ug/L		08/09/12 07:35	08/09/12 20:40	1
Acenaphthylene	ND		5.0	0.38	ug/L		08/09/12 07:35	08/09/12 20:40	1
Anthracene	ND		5.0	0.28	ug/L		08/09/12 07:35	08/09/12 20:40	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		08/09/12 07:35	08/09/12 20:40	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		08/09/12 07:35	08/09/12 20:40	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		08/09/12 07:35	08/09/12 20:40	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		08/09/12 07:35	08/09/12 20:40	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		08/09/12 07:35	08/09/12 20:40	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		08/09/12 07:35	08/09/12 20:40	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		08/09/12 07:35	08/09/12 20:40	1
Bis(2-ethylhexyl) phthalate	ND		5.0	1.8	ug/L		08/09/12 07:35	08/09/12 20:40	1
Butyl benzyl phthalate	ND		5.0	0.42	ug/L		08/09/12 07:35	08/09/12 20:40	1
Carbazole	ND		5.0	0.30	ug/L		08/09/12 07:35	08/09/12 20:40	1
Chrysene	ND		5.0	0.33	ug/L		08/09/12 07:35	08/09/12 20:40	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		08/09/12 07:35	08/09/12 20:40	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		08/09/12 07:35	08/09/12 20:40	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		08/09/12 07:35	08/09/12 20:40	1
Dibenzofuran	ND		10	0.51	ug/L		08/09/12 07:35	08/09/12 20:40	1
Diethyl phthalate	ND		5.0	0.22	ug/L		08/09/12 07:35	08/09/12 20:40	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		08/09/12 07:35	08/09/12 20:40	1
Fluoranthene	ND		5.0	0.40	ug/L		08/09/12 07:35	08/09/12 20:40	1
Fluorene	ND		5.0	0.36	ug/L		08/09/12 07:35	08/09/12 20:40	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		08/09/12 07:35	08/09/12 20:40	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		08/09/12 07:35	08/09/12 20:40	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		08/09/12 07:35	08/09/12 20:40	1
Hexachloroethane	ND		5.0	0.59	ug/L		08/09/12 07:35	08/09/12 20:40	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		08/09/12 07:35	08/09/12 20:40	1
Isophorone	ND		5.0	0.43	ug/L		08/09/12 07:35	08/09/12 20:40	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		08/09/12 07:35	08/09/12 20:40	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		08/09/12 07:35	08/09/12 20:40	1
Naphthalene	ND		5.0	0.76	ug/L		08/09/12 07:35	08/09/12 20:40	1
Nitrobenzene	ND		5.0	0.29	ug/L		08/09/12 07:35	08/09/12 20:40	1
Pentachlorophenol	ND		10	2.2	ug/L		08/09/12 07:35	08/09/12 20:40	1
Phenanthrene	ND		5.0	0.44	ug/L		08/09/12 07:35	08/09/12 20:40	1
Phenol	ND		5.0	0.39	ug/L		08/09/12 07:35	08/09/12 20:40	1
Pyrene	ND		5.0	0.34	ug/L		08/09/12 07:35	08/09/12 20:40	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	98		52 - 132	08/09/12 07:35	08/09/12 20:40	1

QC Sample Results

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

TestAmerica Job ID: 480-23574-1

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

Lab Sample ID: MB 480-75830/1-A

Matrix: Water

Analysis Batch: 75965

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 75830

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	81		48 - 120	08/09/12 07:35	08/09/12 20:40	1
2-Fluorophenol	41		20 - 120	08/09/12 07:35	08/09/12 20:40	1
Nitrobenzene-d5	85		46 - 120	08/09/12 07:35	08/09/12 20:40	1
p-Terphenyl-d14	121		67 - 150	08/09/12 07:35	08/09/12 20:40	1
Phenol-d5	30		16 - 120	08/09/12 07:35	08/09/12 20:40	1

Lab Sample ID: LCS 480-75830/2-A

Matrix: Water

Analysis Batch: 75965

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 75830

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	100	56.1		ug/L		56	40 - 120
2,4-Dinitrophenol	100	87.0		ug/L		87	42 - 153
1,4-Dichlorobenzene	100	48.6		ug/L		49	32 - 120
2-Chlorophenol	100	83.2		ug/L		83	48 - 120
4-Chloro-3-methylphenol	100	116		ug/L		116	64 - 120
4-Nitrophenol	100	34.8		ug/L		35	16 - 120
Acenaphthene	100	89.6		ug/L		90	60 - 120
Bis(2-ethylhexyl) phthalate	100	127		ug/L		127	69 - 136
Fluorene	100	102		ug/L		102	66 - 129
Hexachloroethane	100	47.8		ug/L		48	25 - 120
N-Nitrosodi-n-propylamine	100	108		ug/L		108	56 - 120
Pentachlorophenol	100	83.9		ug/L		84	39 - 136
Phenol	100	39.9		ug/L		40	17 - 120
Pyrene	100	106		ug/L		106	58 - 136

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol	105		52 - 132
2-Fluorobiphenyl	91		48 - 120
2-Fluorophenol	52		20 - 120
Nitrobenzene-d5	101		46 - 120
p-Terphenyl-d14	127		67 - 150
Phenol-d5	40		16 - 120

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

Lab Sample ID: MB 480-76525/1-A

Matrix: Water

Analysis Batch: 76990

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 76525

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		08/14/12 14:14	08/17/12 15:15	1
PCB-1221	ND		0.50	0.18	ug/L		08/14/12 14:14	08/17/12 15:15	1
PCB-1232	ND		0.50	0.18	ug/L		08/14/12 14:14	08/17/12 15:15	1
PCB-1242	ND		0.50	0.18	ug/L		08/14/12 14:14	08/17/12 15:15	1
PCB-1248	ND		0.50	0.18	ug/L		08/14/12 14:14	08/17/12 15:15	1
PCB-1254	ND		0.50	0.25	ug/L		08/14/12 14:14	08/17/12 15:15	1
PCB-1260	ND		0.50	0.25	ug/L		08/14/12 14:14	08/17/12 15:15	1

QC Sample Results

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

TestAmerica Job ID: 480-23574-1

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

Lab Sample ID: MB 480-76525/1-A

Matrix: Water

Analysis Batch: 76990

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 76525

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	52		19 - 120	08/14/12 14:14	08/17/12 15:15	1
Tetrachloro-m-xylene	68		23 - 127	08/14/12 14:14	08/17/12 15:15	1

Lab Sample ID: LCS 480-76525/2-A

Matrix: Water

Analysis Batch: 76990

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 76525

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	5.00	3.85		ug/L		77	61 - 120
PCB-1260	5.00	3.22		ug/L		64	45 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	43		19 - 120
Tetrachloro-m-xylene	72		23 - 127

QC Association Summary

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

TestAmerica Job ID: 480-23574-1

GC/MS VOA

Analysis Batch: 76556

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-23574-1	MW-4	Total/NA	Water	8260B_ASP	
480-23574-2	MW-5	Total/NA	Water	8260B_ASP	
480-23574-3	MW-6	Total/NA	Water	8260B_ASP	
480-23574-4	MW-7	Total/NA	Water	8260B_ASP	
480-23574-5	RW-4	Total/NA	Water	8260B_ASP	
480-23574-6	RW-5	Total/NA	Water	8260B_ASP	
480-23574-7	MW-1	Total/NA	Water	8260B_ASP	
LCS 480-76556/28	Lab Control Sample	Total/NA	Water	8260B_ASP	
MB 480-76556/5	Method Blank	Total/NA	Water	8260B_ASP	

Analysis Batch: 76766

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-23574-8	MW-2	Total/NA	Water	8260B_ASP	
480-23574-9	MW-3	Total/NA	Water	8260B_ASP	
480-23574-10	TRIP BLANK	Total/NA	Water	8260B_ASP	
LCS 480-76766/4	Lab Control Sample	Total/NA	Water	8260B_ASP	
MB 480-76766/5	Method Blank	Total/NA	Water	8260B_ASP	

GC/MS Semi VOA

Prep Batch: 75830

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-23574-1	MW-4	Total/NA	Water	3510C	
480-23574-2	MW-5	Total/NA	Water	3510C	
480-23574-3	MW-6	Total/NA	Water	3510C	
480-23574-4	MW-7	Total/NA	Water	3510C	
480-23574-5	RW-4	Total/NA	Water	3510C	
480-23574-6	RW-5	Total/NA	Water	3510C	
480-23574-7	MW-1	Total/NA	Water	3510C	
480-23574-8	MW-2	Total/NA	Water	3510C	
480-23574-9	MW-3	Total/NA	Water	3510C	
LCS 480-75830/2-A	Lab Control Sample	Total/NA	Water	3510C	
MB 480-75830/1-A	Method Blank	Total/NA	Water	3510C	

Analysis Batch: 75965

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-23574-1	MW-4	Total/NA	Water	8270C_ASP	75830
480-23574-2	MW-5	Total/NA	Water	8270C_ASP	75830
480-23574-3	MW-6	Total/NA	Water	8270C_ASP	75830
480-23574-4	MW-7	Total/NA	Water	8270C_ASP	75830
480-23574-5	RW-4	Total/NA	Water	8270C_ASP	75830
480-23574-6	RW-5	Total/NA	Water	8270C_ASP	75830
480-23574-7	MW-1	Total/NA	Water	8270C_ASP	75830
480-23574-8	MW-2	Total/NA	Water	8270C_ASP	75830
480-23574-9	MW-3	Total/NA	Water	8270C_ASP	75830
LCS 480-75830/2-A	Lab Control Sample	Total/NA	Water	8270C_ASP	75830
MB 480-75830/1-A	Method Blank	Total/NA	Water	8270C_ASP	75830

QC Association Summary

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

TestAmerica Job ID: 480-23574-1

GC Semi VOA

Prep Batch: 76033

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-23574-1	MW-4	Total/NA	Water	3510C	
480-23574-2	MW-5	Total/NA	Water	3510C	
480-23574-3	MW-6	Total/NA	Water	3510C	
480-23574-5	RW-4	Total/NA	Water	3510C	
480-23574-6	RW-5	Total/NA	Water	3510C	
480-23574-7	MW-1	Total/NA	Water	3510C	
480-23574-8	MW-2	Total/NA	Water	3510C	
480-23574-9	MW-3	Total/NA	Water	3510C	

Analysis Batch: 76234

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-23574-1	MW-4	Total/NA	Water	8082	76033
480-23574-2	MW-5	Total/NA	Water	8082	76033
480-23574-3	MW-6	Total/NA	Water	8082	76033
480-23574-5	RW-4	Total/NA	Water	8082	76033
480-23574-6	RW-5	Total/NA	Water	8082	76033
480-23574-7	MW-1	Total/NA	Water	8082	76033
480-23574-8	MW-2	Total/NA	Water	8082	76033
480-23574-9	MW-3	Total/NA	Water	8082	76033

Prep Batch: 76525

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-23574-4	MW-7	Total/NA	Water	3510C	
LCS 480-76525/2-A	Lab Control Sample	Total/NA	Water	3510C	
MB 480-76525/1-A	Method Blank	Total/NA	Water	3510C	

Analysis Batch: 76990

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-23574-4	MW-7	Total/NA	Water	8082	76525
LCS 480-76525/2-A	Lab Control Sample	Total/NA	Water	8082	76525
MB 480-76525/1-A	Method Blank	Total/NA	Water	8082	76525

Lab Chronicle

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

TestAmerica Job ID: 480-23574-1

Client Sample ID: MW-4

Date Collected: 08/07/12 15:15

Date Received: 08/07/12 16:10

Lab Sample ID: 480-23574-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B_ASP		1	5 mL	5 mL	76556	08/15/12 03:45	ND	TAL BUF
Total/NA	Prep	3510C			950 mL	1 mL	75830	08/09/12 07:35	MRB	TAL BUF
Total/NA	Analysis	8270C_ASP		1			75965	08/10/12 01:23	RMM	TAL BUF
Total/NA	Prep	3510C			980 mL	10 mL	76033	08/10/12 08:44	TR	TAL BUF
Total/NA	Analysis	8082		1			76234	08/12/12 22:17	JM	TAL BUF

Client Sample ID: MW-5

Date Collected: 08/07/12 13:00

Date Received: 08/07/12 16:10

Lab Sample ID: 480-23574-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B_ASP		1	5 mL	5 mL	76556	08/15/12 04:07	ND	TAL BUF
Total/NA	Prep	3510C			950 mL	1 mL	75830	08/09/12 07:35	MRB	TAL BUF
Total/NA	Analysis	8270C_ASP		1			75965	08/10/12 01:47	RMM	TAL BUF
Total/NA	Prep	3510C			990 mL	10 mL	76033	08/10/12 08:44	TR	TAL BUF
Total/NA	Analysis	8082		1			76234	08/12/12 22:37	JM	TAL BUF

Client Sample ID: MW-6

Date Collected: 08/07/12 12:30

Date Received: 08/07/12 16:10

Lab Sample ID: 480-23574-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B_ASP		1	5 mL	5 mL	76556	08/15/12 04:30	ND	TAL BUF
Total/NA	Prep	3510C			1000 mL	1 mL	75830	08/09/12 07:35	MRB	TAL BUF
Total/NA	Analysis	8270C_ASP		1			75965	08/10/12 02:11	RMM	TAL BUF
Total/NA	Prep	3510C			1000 mL	10 mL	76033	08/10/12 08:44	TR	TAL BUF
Total/NA	Analysis	8082		1			76234	08/12/12 22:57	JM	TAL BUF

Client Sample ID: MW-7

Date Collected: 08/07/12 14:20

Date Received: 08/07/12 16:10

Lab Sample ID: 480-23574-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B_ASP		1	5 mL	5 mL	76556	08/15/12 04:52	ND	TAL BUF
Total/NA	Prep	3510C			980 mL	1 mL	75830	08/09/12 07:35	MRB	TAL BUF
Total/NA	Analysis	8270C_ASP		1			75965	08/10/12 02:34	RMM	TAL BUF
Total/NA	Prep	3510C			850 mL	10 mL	76525	08/14/12 14:14	DE	TAL BUF
Total/NA	Analysis	8082		1			76990	08/17/12 18:26	JM	TAL BUF

Lab Chronicle

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

TestAmerica Job ID: 480-23574-1

Client Sample ID: RW-4

Date Collected: 08/07/12 10:50

Date Received: 08/07/12 16:10

Lab Sample ID: 480-23574-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B_ASP		1	5 mL	5 mL	76556	08/15/12 05:15	ND	TAL BUF
Total/NA	Prep	3510C			1010 mL	1 mL	75830	08/09/12 07:35	MRB	TAL BUF
Total/NA	Analysis	8270C_ASP		1			75965	08/10/12 02:58	RMM	TAL BUF
Total/NA	Prep	3510C			980 mL	10 mL	76033	08/10/12 08:44	TR	TAL BUF
Total/NA	Analysis	8082		1			76234	08/12/12 23:36	JM	TAL BUF

Client Sample ID: RW-5

Date Collected: 08/07/12 09:51

Date Received: 08/07/12 16:10

Lab Sample ID: 480-23574-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B_ASP		1	5 mL	5 mL	76556	08/15/12 05:37	ND	TAL BUF
Total/NA	Prep	3510C			1010 mL	1 mL	75830	08/09/12 07:35	MRB	TAL BUF
Total/NA	Analysis	8270C_ASP		1			75965	08/10/12 03:21	RMM	TAL BUF
Total/NA	Prep	3510C			1000 mL	10 mL	76033	08/10/12 08:44	TR	TAL BUF
Total/NA	Analysis	8082		1			76234	08/12/12 23:56	JM	TAL BUF

Client Sample ID: MW-1

Date Collected: 08/07/12 15:05

Date Received: 08/07/12 16:10

Lab Sample ID: 480-23574-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B_ASP		1	5 mL	5 mL	76556	08/15/12 05:59	ND	TAL BUF
Total/NA	Prep	3510C			1000 mL	1 mL	75830	08/09/12 07:35	MRB	TAL BUF
Total/NA	Analysis	8270C_ASP		1			75965	08/10/12 03:45	RMM	TAL BUF
Total/NA	Prep	3510C			990 mL	10 mL	76033	08/10/12 08:44	TR	TAL BUF
Total/NA	Analysis	8082		1			76234	08/13/12 00:16	JM	TAL BUF

Client Sample ID: MW-2

Date Collected: 08/07/12 14:45

Date Received: 08/07/12 16:10

Lab Sample ID: 480-23574-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B_ASP		1	5 mL	5 mL	76766	08/16/12 03:51	JMB	TAL BUF
Total/NA	Prep	3510C			990 mL	1 mL	75830	08/09/12 07:35	MRB	TAL BUF
Total/NA	Analysis	8270C_ASP		1			75965	08/10/12 04:08	RMM	TAL BUF
Total/NA	Prep	3510C			990 mL	10 mL	76033	08/10/12 08:44	TR	TAL BUF
Total/NA	Analysis	8082		1			76234	08/13/12 00:36	JM	TAL BUF

Lab Chronicle

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

TestAmerica Job ID: 480-23574-1

Client Sample ID: MW-3

Date Collected: 08/07/12 13:30

Date Received: 08/07/12 16:10

Lab Sample ID: 480-23574-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B_ASP		1	5 mL	5 mL	76766	08/16/12 04:16	JMB	TAL BUF
Total/NA	Prep	3510C			1000 mL	1 mL	75830	08/09/12 07:35	MRB	TAL BUF
Total/NA	Analysis	8270C_ASP		1			75965	08/10/12 04:32	RMM	TAL BUF
Total/NA	Prep	3510C			1000 mL	10 mL	76033	08/10/12 08:44	TR	TAL BUF
Total/NA	Analysis	8082		1			76234	08/13/12 00:56	JM	TAL BUF

Client Sample ID: TRIP BLANK

Date Collected: 08/07/12 00:00

Date Received: 08/07/12 16:10

Lab Sample ID: 480-23574-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B_ASP		1	5 mL	5 mL	76766	08/16/12 04:41	JMB	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: 480-23574-1

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

Method Summary

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

TestAmerica Job ID: 480-23574-1

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: 480-23574-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-23574-1	MW-4	Water	08/07/12 15:15	08/07/12 16:10
480-23574-2	MW-5	Water	08/07/12 13:00	08/07/12 16:10
480-23574-3	MW-6	Water	08/07/12 12:30	08/07/12 16:10
480-23574-4	MW-7	Water	08/07/12 14:20	08/07/12 16:10
480-23574-5	RW-4	Water	08/07/12 10:50	08/07/12 16:10
480-23574-6	RW-5	Water	08/07/12 09:51	08/07/12 16:10
480-23574-7	MW-1	Water	08/07/12 15:05	08/07/12 16:10
480-23574-8	MW-2	Water	08/07/12 14:45	08/07/12 16:10
480-23574-9	MW-3	Water	08/07/12 13:30	08/07/12 16:10
480-23574-10	TRIP BLANK	Water	08/07/12 00:00	08/07/12 16:10

TestAmerica Buffalo

10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7961

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information Client Contact: <u>Mr. Brent Miller</u> Company: <u>SEN SINISCALCHI</u> Address: <u>495 Aero Dr. Suite 3</u> City: <u>Cheektowaga</u> State: <u>NY</u> Zip: <u>14225</u> Phone: <u>(716) 691-7961</u> <u>800-287-7857</u> Email: <u>bsiniscalchi@sen-siniscalchi.com</u> Project Name: <u>Cherry Farms Annual Groundwater Monitor</u> Site: <u>SSOW#</u>		Lab P/N: <u>Hoffman, Sally</u> E-Mail: <u>sally.hoffman@testamericainc.com</u> Due Date Requested: <u>4/24/12</u> TAT Requested (days): <u>STD</u>		Carrier Tracking No(s): <u>480-21581-4980.2</u> Page <u>1</u> of <u>1</u> Job #:	
Analysis Requested 6010B, 7470A 6060B - (MOD) TCL Hst OLM04.2 6061A - TCL Pesticides - OLM04.2 6062 - TCL PCBs - OLM04.2 6770C - (MOD) TCL SVOA - OLM04.2 9012A - Total Cyanide		Preservation Codes: A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2SO4 E - Nitric Acid Q - Na2SO4 F - NaOH R - Na2SO4 G - NaOH S - Na2SO4 H - Acetic Acid T - TSP Dodecylsulfate I - Ice U - Ice J - DI Water V - MCAA K - EDTA W - pH 4.5 L - EDTA Z - other (specify) Other:			
Sample Identification Sample Date Sample Time Sample Type Matrix MW-4 8/7/12 1515 G Water MW-5 1300 Water MW-6 1230 Water MW-7 1420 Water RW-4 1050 Water RW-5 0951 Water MW-1 1505 W MW-2 1445 W MW-3 1330 W Trip Blank		Special Instructions/Note: 3 Coaters			
Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological Deliverable Requested: I, II, III, IV, Other (specify)		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months Special Instructions/QC Requirements:			
Empty Kit Relinquished by: Relinquished by: <u>BSINISCALCHI</u> Relinquished by:		Time: _____ Date: _____ Relinquished by: _____ Date/Time: _____ Relinquished by: _____ Date/Time: _____ Relinquished by: _____ Date/Time: _____			
Custody Seals Intact: ☐ Yes ☐ No Custody Seal No:		Cooler Temperature(s) °C and °F: <u>17.3, 7.8, 2.6 #2</u>			

Login Sample Receipt Checklist

Client: Groundwater & Environmental Services Inc

Job Number: 480-23574-1

Login Number: 23574

List Source: TestAmerica Buffalo

List Number: 1

Creator: Robitaille, Zach L

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	GES
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

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: 480-23637-1

Client Project/Site: Cherry Farms Annual GW Sample

For:

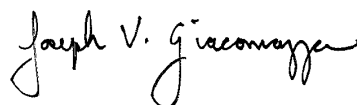
Groundwater & Environmental Services Inc

495 Aero Drive

Suite 3

Cheektowaga, New York 14225

Attn: Mr. Andrew Janik



Authorized for release by:

8/21/2012 12:33:57 PM

Joe Giacomazza

Project Administrator

joe.giacomazza@testamericainc.com

Designee for

Sally Hoffman

Project Manager II

sally.hoffman@testamericainc.com

LINKS

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www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

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

TestAmerica Job ID: 480-23637-1

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
X	Surrogate is outside control limits

GC Semi VOA

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

Metals

Qualifier	Qualifier Description
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.

General Chemistry

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.

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
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
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
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

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

TestAmerica Job ID: 480-23637-1

Job ID: 480-23637-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-23637-1

Receipt

The samples were received on 8/8/2012 9:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 3.4° C and 3.8° C.

GC/MS VOA

Method 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 76665 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method 8260B: The continuing calibration verification (CCV) for bromomethane associated with batch 76577 recovered above the upper control limit. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8260B: The method blank for batch 76577 contained tetrachloroethene 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 was not performed.

Method 8260B: The continuing calibration verification (CCV) for bromomethane associated with batch 76665 recovered above the upper control limit. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

No other analytical or quality issues were noted.

GC/MS Semi VOA

Method 8270C: The following samples contained one acid and/or one base surrogate outside acceptance limits: DUP (480-23637-5), S-1 (480-23637-1). The laboratory's SOP allows one acid surrogate and/or one base surrogate to be outside acceptance limits; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Method 8270C: The laboratory control sample (LCS) for preparation batch 76017 exceeded control limits for the following analyte: N-Nitrosodiphenylamine. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

No other analytical or quality issues were noted.

GC Semi VOA

Method 8081A: The following samples were diluted due to the nature of the sample matrix : DUP (480-23637-5), S-1 (480-23637-1), S-2 (480-23637-2), S-3 (480-23637-3), S-4 (480-23637-4). As such, surrogate recoveries are not reported, and elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

Metals

Method 6010B: The Method Blank for batch 480-75868 contained total barium 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 (480-23637-5), S-1 (480-23637-1), S-2 (480-23637-2), S-3 (480-23637-3), S-4 (480-23637-4) 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: 480-23637-1

Client Sample ID: S-1

Lab Sample ID: 480-23637-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	4.1	J	10	3.0	ug/L	1		8260B_ASP	Total/NA
Benzene	0.41	J	1.0	0.41	ug/L	1		8260B_ASP	Total/NA
Chloroethane	0.69	J	1.0	0.32	ug/L	1		8260B_ASP	Total/NA
Tetrachloroethene	0.49	J	1.0	0.36	ug/L	1		8260B_ASP	Total/NA
2,4-Dimethylphenol	65		4.8	0.48	ug/L	1		8270C_ASP	Total/NA
2-Methylnaphthalene	0.72	J	4.8	0.57	ug/L	1		8270C_ASP	Total/NA
Anthracene	0.64	J	4.8	0.27	ug/L	1		8270C_ASP	Total/NA
Benzo[a]anthracene	0.74	J	4.8	0.34	ug/L	1		8270C_ASP	Total/NA
Benzo[a]pyrene	0.77	J	4.8	0.45	ug/L	1		8270C_ASP	Total/NA
Benzo[b]fluoranthene	1.1	J	4.8	0.32	ug/L	1		8270C_ASP	Total/NA
Benzo[g,h,i]perylene	0.65	J	4.8	0.33	ug/L	1		8270C_ASP	Total/NA
Bis(2-ethylhexyl) phthalate	6.3		4.8	1.7	ug/L	1		8270C_ASP	Total/NA
Carbazole	0.96	J	4.8	0.29	ug/L	1		8270C_ASP	Total/NA
Chrysene	0.73	J	4.8	0.31	ug/L	1		8270C_ASP	Total/NA
Di-n-butyl phthalate	0.80	J	4.8	0.30	ug/L	1		8270C_ASP	Total/NA
Fluoranthene	1.4	J	4.8	0.38	ug/L	1		8270C_ASP	Total/NA
Fluorene	0.77	J	4.8	0.34	ug/L	1		8270C_ASP	Total/NA
Indeno[1,2,3-cd]pyrene	0.54	J	4.8	0.45	ug/L	1		8270C_ASP	Total/NA
Phenanthrene	0.75	J	4.8	0.42	ug/L	1		8270C_ASP	Total/NA
Pyrene	1.9	J	4.8	0.32	ug/L	1		8270C_ASP	Total/NA
PCB-1248	8.3		0.48	0.17	ug/L	1		8082	Total/NA
PCB-1260	5.7		0.48	0.24	ug/L	1		8082	Total/NA
Aluminum	0.63		0.20	0.060	mg/L	1		6010B_ASP	Total/NA
Barium	0.16	B	0.0020	0.00070	mg/L	1		6010B_ASP	Total/NA
Calcium	58.8		0.50	0.10	mg/L	1		6010B_ASP	Total/NA
Chromium	0.0021	J	0.0040	0.0010	mg/L	1		6010B_ASP	Total/NA
Copper	0.0067	J	0.010	0.0016	mg/L	1		6010B_ASP	Total/NA
Iron	4.8		0.050	0.019	mg/L	1		6010B_ASP	Total/NA
Magnesium	12.8		0.20	0.043	mg/L	1		6010B_ASP	Total/NA
Manganese	0.72		0.0030	0.00040	mg/L	1		6010B_ASP	Total/NA
Nickel	0.0030	J	0.010	0.0013	mg/L	1		6010B_ASP	Total/NA
Potassium	17.6		0.50	0.10	mg/L	1		6010B_ASP	Total/NA
Sodium	69.6		1.0	0.32	mg/L	1		6010B_ASP	Total/NA
Vanadium	0.0022	J	0.0050	0.0015	mg/L	1		6010B_ASP	Total/NA
Zinc	0.0082	J	0.010	0.0015	mg/L	1		6010B_ASP	Total/NA
Total Cyanide	0.0074	J	0.010	0.0050	mg/L	1		9012A_ASP	Total/NA

Client Sample ID: S-2

Lab Sample ID: 480-23637-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	1.0		1.0	0.38	ug/L	1		8260B_ASP	Total/NA
Acetone	4.3	J	10	3.0	ug/L	1		8260B_ASP	Total/NA
Benzene	0.44	J	1.0	0.41	ug/L	1		8260B_ASP	Total/NA
Tetrachloroethene	0.44	J	1.0	0.36	ug/L	1		8260B_ASP	Total/NA
2,4-Dimethylphenol	21		4.9	0.49	ug/L	1		8270C_ASP	Total/NA
2-Methylnaphthalene	1.6	J	4.9	0.58	ug/L	1		8270C_ASP	Total/NA
4-Methylphenol	5.5	J	9.7	0.35	ug/L	1		8270C_ASP	Total/NA
Acenaphthene	0.73	J	4.9	0.40	ug/L	1		8270C_ASP	Total/NA
Anthracene	0.29	J	4.9	0.27	ug/L	1		8270C_ASP	Total/NA
Carbazole	0.91	J	4.9	0.29	ug/L	1		8270C_ASP	Total/NA
Di-n-butyl phthalate	1.3	J	4.9	0.30	ug/L	1		8270C_ASP	Total/NA
Dimethyl phthalate	7.2		4.9	0.35	ug/L	1		8270C_ASP	Total/NA
Fluoranthene	0.39	J	4.9	0.39	ug/L	1		8270C_ASP	Total/NA

Detection Summary

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

TestAmerica Job ID: 480-23637-1

Client Sample ID: S-2 (Continued)

Lab Sample ID: 480-23637-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fluorene	0.58	J	4.9	0.35	ug/L	1		8270C_ASP	Total/NA
Naphthalene	1.7	J	4.9	0.74	ug/L	1		8270C_ASP	Total/NA
Phenanthrene	0.65	J	4.9	0.43	ug/L	1		8270C_ASP	Total/NA
Pyrene	0.48	J	4.9	0.33	ug/L	1		8270C_ASP	Total/NA
PCB-1242	0.46	J	0.50	0.18	ug/L	1		8082	Total/NA
Aluminum	0.46		0.20	0.060	mg/L	1		6010B_ASP	Total/NA
Barium	0.11	B	0.0020	0.00070	mg/L	1		6010B_ASP	Total/NA
Calcium	65.8		0.50	0.10	mg/L	1		6010B_ASP	Total/NA
Chromium	0.0016	J	0.0040	0.0010	mg/L	1		6010B_ASP	Total/NA
Copper	0.0078	J	0.010	0.0016	mg/L	1		6010B_ASP	Total/NA
Iron	3.4		0.050	0.019	mg/L	1		6010B_ASP	Total/NA
Magnesium	7.4		0.20	0.043	mg/L	1		6010B_ASP	Total/NA
Manganese	0.43		0.0030	0.00040	mg/L	1		6010B_ASP	Total/NA
Nickel	0.0026	J	0.010	0.0013	mg/L	1		6010B_ASP	Total/NA
Potassium	27.6		0.50	0.10	mg/L	1		6010B_ASP	Total/NA
Sodium	63.2		1.0	0.32	mg/L	1		6010B_ASP	Total/NA
Vanadium	0.0091		0.0050	0.0015	mg/L	1		6010B_ASP	Total/NA
Zinc	0.020		0.010	0.0015	mg/L	1		6010B_ASP	Total/NA
Total Cyanide	0.029		0.010	0.0050	mg/L	1		9012A_ASP	Total/NA

Client Sample ID: S-3

Lab Sample ID: 480-23637-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	2.2		1.0	0.38	ug/L	1		8260B_ASP	Total/NA
Benzene	0.50	J	1.0	0.41	ug/L	1		8260B_ASP	Total/NA
Tetrachloroethene	0.49	J	1.0	0.36	ug/L	1		8260B_ASP	Total/NA
Toluene	0.94	J	1.0	0.51	ug/L	1		8260B_ASP	Total/NA
Xylenes, Total	2.5		2.0	0.66	ug/L	1		8260B_ASP	Total/NA
2,4-Dimethylphenol	11		4.8	0.48	ug/L	1		8270C_ASP	Total/NA
2-Methylnaphthalene	0.67	J	4.8	0.57	ug/L	1		8270C_ASP	Total/NA
2-Methylphenol	5.1		4.8	0.38	ug/L	1		8270C_ASP	Total/NA
4-Methylphenol	6.7	J	9.5	0.34	ug/L	1		8270C_ASP	Total/NA
Acenaphthene	0.74	J	4.8	0.39	ug/L	1		8270C_ASP	Total/NA
Carbazole	0.49	J	4.8	0.29	ug/L	1		8270C_ASP	Total/NA
Di-n-butyl phthalate	0.39	J	4.8	0.30	ug/L	1		8270C_ASP	Total/NA
Fluorene	0.65	J	4.8	0.34	ug/L	1		8270C_ASP	Total/NA
Naphthalene	2.9	J	4.8	0.72	ug/L	1		8270C_ASP	Total/NA
Phenanthrene	0.92	J	4.8	0.42	ug/L	1		8270C_ASP	Total/NA
PCB-1242	0.93		0.49	0.17	ug/L	1		8082	Total/NA
Aluminum	0.29		0.20	0.060	mg/L	1		6010B_ASP	Total/NA
Arsenic	0.0064	J	0.010	0.0056	mg/L	1		6010B_ASP	Total/NA
Barium	0.029	B	0.0020	0.00070	mg/L	1		6010B_ASP	Total/NA
Calcium	54.1		0.50	0.10	mg/L	1		6010B_ASP	Total/NA
Iron	0.037	J	0.050	0.019	mg/L	1		6010B_ASP	Total/NA
Nickel	0.0014	J	0.010	0.0013	mg/L	1		6010B_ASP	Total/NA
Potassium	39.9		0.50	0.10	mg/L	1		6010B_ASP	Total/NA
Sodium	51.8		1.0	0.32	mg/L	1		6010B_ASP	Total/NA
Vanadium	0.016		0.0050	0.0015	mg/L	1		6010B_ASP	Total/NA
Total Cyanide	0.066		0.010	0.0050	mg/L	1		9012A_ASP	Total/NA

Client Sample ID: S-4

Lab Sample ID: 480-23637-4

Detection Summary

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

TestAmerica Job ID: 480-23637-1

Client Sample ID: S-4 (Continued)

Lab Sample ID: 480-23637-4

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
1,2-Dichloroethene, Total	1.7	J	2.0	0.70	ug/L	1		8260B_ASP	Total/NA
Benzene	0.96	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	0.98	J	1.0	0.36	ug/L	1		8260B_ASP	Total/NA
Toluene	1.1		1.0	0.51	ug/L	1		8260B_ASP	Total/NA
Trichloroethene	0.73	J	1.0	0.46	ug/L	1		8260B_ASP	Total/NA
Xylenes, Total	6.7		2.0	0.66	ug/L	1		8260B_ASP	Total/NA
2,4-Dimethylphenol	18		4.9	0.49	ug/L	1		8270C_ASP	Total/NA
2-Methylnaphthalene	2.7	J	4.9	0.59	ug/L	1		8270C_ASP	Total/NA
2-Methylphenol	13		4.9	0.39	ug/L	1		8270C_ASP	Total/NA
4-Methylphenol	24		9.8	0.35	ug/L	1		8270C_ASP	Total/NA
Acenaphthene	1.5	J	4.9	0.40	ug/L	1		8270C_ASP	Total/NA
Acenaphthylene	0.70	J	4.9	0.37	ug/L	1		8270C_ASP	Total/NA
Anthracene	0.93	J	4.9	0.27	ug/L	1		8270C_ASP	Total/NA
Carbazole	1.3	J	4.9	0.29	ug/L	1		8270C_ASP	Total/NA
Dibenzofuran	0.75	J	9.8	0.50	ug/L	1		8270C_ASP	Total/NA
Fluoranthene	0.73	J	4.9	0.39	ug/L	1		8270C_ASP	Total/NA
Fluorene	1.3	J	4.9	0.35	ug/L	1		8270C_ASP	Total/NA
Naphthalene	9.9		4.9	0.75	ug/L	1		8270C_ASP	Total/NA
Phenanthrene	0.95	J	4.9	0.43	ug/L	1		8270C_ASP	Total/NA
Pyrene	0.53	J	4.9	0.33	ug/L	1		8270C_ASP	Total/NA
PCB-1016	1.7		0.50	0.18	ug/L	1		8082	Total/NA
Aluminum	0.50		0.20	0.060	mg/L	1		6010B_ASP	Total/NA
Arsenic	0.0088	J	0.010	0.0056	mg/L	1		6010B_ASP	Total/NA
Barium	0.023	B	0.0020	0.00070	mg/L	1		6010B_ASP	Total/NA
Calcium	93.2		0.50	0.10	mg/L	1		6010B_ASP	Total/NA
Copper	0.0022	J	0.010	0.0016	mg/L	1		6010B_ASP	Total/NA
Iron	0.72		0.050	0.019	mg/L	1		6010B_ASP	Total/NA
Magnesium	0.97		0.20	0.043	mg/L	1		6010B_ASP	Total/NA
Manganese	0.10		0.0030	0.00040	mg/L	1		6010B_ASP	Total/NA
Potassium	51.2		0.50	0.10	mg/L	1		6010B_ASP	Total/NA
Sodium	50.4		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
Zinc	0.0036	J	0.010	0.0015	mg/L	1		6010B_ASP	Total/NA

Client Sample ID: DUP

Lab Sample ID: 480-23637-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	1.0		1.0	0.38	ug/L	1		8260B_ASP	Total/NA
Acetone	3.8	J	10	3.0	ug/L	1		8260B_ASP	Total/NA
Benzene	0.42	J	1.0	0.41	ug/L	1		8260B_ASP	Total/NA
Xylenes, Total	0.70	J	2.0	0.66	ug/L	1		8260B_ASP	Total/NA
2,4-Dimethylphenol	22		4.9	0.49	ug/L	1		8270C_ASP	Total/NA
2-Methylnaphthalene	1.7	J	4.9	0.59	ug/L	1		8270C_ASP	Total/NA
4-Methylphenol	6.0	J	9.8	0.35	ug/L	1		8270C_ASP	Total/NA
Acenaphthene	0.90	J	4.9	0.40	ug/L	1		8270C_ASP	Total/NA
Anthracene	0.43	J	4.9	0.27	ug/L	1		8270C_ASP	Total/NA
Carbazole	0.88	J	4.9	0.29	ug/L	1		8270C_ASP	Total/NA
Di-n-butyl phthalate	1.3	J	4.9	0.30	ug/L	1		8270C_ASP	Total/NA
Dimethyl phthalate	7.2		4.9	0.35	ug/L	1		8270C_ASP	Total/NA
Fluoranthene	0.40	J	4.9	0.39	ug/L	1		8270C_ASP	Total/NA
Fluorene	0.61	J	4.9	0.35	ug/L	1		8270C_ASP	Total/NA

Detection Summary

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

TestAmerica Job ID: 480-23637-1

Client Sample ID: DUP (Continued)

Lab Sample ID: 480-23637-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Naphthalene	1.8	J	4.9	0.74	ug/L	1			8270C_ASP	Total/NA
Phenanthrene	0.59	J	4.9	0.43	ug/L	1			8270C_ASP	Total/NA
Pyrene	0.46	J	4.9	0.33	ug/L	1			8270C_ASP	Total/NA
PCB-1248	0.35	J	0.49	0.17	ug/L	1			8082	Total/NA
Aluminum	0.45		0.20	0.060	mg/L	1			6010B_ASP	Total/NA
Barium	0.11	B	0.0020	0.00070	mg/L	1			6010B_ASP	Total/NA
Calcium	64.2		0.50	0.10	mg/L	1			6010B_ASP	Total/NA
Chromium	0.0021	J	0.0040	0.0010	mg/L	1			6010B_ASP	Total/NA
Copper	0.0080	J	0.010	0.0016	mg/L	1			6010B_ASP	Total/NA
Iron	3.3		0.050	0.019	mg/L	1			6010B_ASP	Total/NA
Magnesium	7.1		0.20	0.043	mg/L	1			6010B_ASP	Total/NA
Manganese	0.42		0.0030	0.00040	mg/L	1			6010B_ASP	Total/NA
Nickel	0.0027	J	0.010	0.0013	mg/L	1			6010B_ASP	Total/NA
Potassium	27.0		0.50	0.10	mg/L	1			6010B_ASP	Total/NA
Sodium	61.5		1.0	0.32	mg/L	1			6010B_ASP	Total/NA
Vanadium	0.0082		0.0050	0.0015	mg/L	1			6010B_ASP	Total/NA
Zinc	0.022		0.010	0.0015	mg/L	1			6010B_ASP	Total/NA
Total Cyanide	0.027		0.010	0.0050	mg/L	1			9012A_ASP	Total/NA

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-23637-6

No Detections

Client Sample Results

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

TestAmerica Job ID: 480-23637-1

Client Sample ID: S-1

Lab Sample ID: 480-23637-1

Date Collected: 08/08/12 12:00

Matrix: Water

Date Received: 08/08/12 09:00

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			08/15/12 16:59	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/15/12 16:59	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/15/12 16:59	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/15/12 16:59	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/15/12 16:59	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/15/12 16:59	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/15/12 16:59	1
2-Hexanone	ND		5.0	1.2	ug/L			08/15/12 16:59	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/15/12 16:59	1
1,2-Dichloroethene, Total	ND		2.0	0.70	ug/L			08/15/12 16:59	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/15/12 16:59	1
Acetone	4.1	J	10	3.0	ug/L			08/15/12 16:59	1
Benzene	0.41	J	1.0	0.41	ug/L			08/15/12 16:59	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/15/12 16:59	1
Bromoform	ND		1.0	0.26	ug/L			08/15/12 16:59	1
Bromomethane	ND		1.0	0.69	ug/L			08/15/12 16:59	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/15/12 16:59	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/15/12 16:59	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/15/12 16:59	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/15/12 16:59	1
Chloroethane	0.69	J	1.0	0.32	ug/L			08/15/12 16:59	1
Chloroform	ND		1.0	0.34	ug/L			08/15/12 16:59	1
Chloromethane	ND		1.0	0.35	ug/L			08/15/12 16:59	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/15/12 16:59	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/15/12 16:59	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/15/12 16:59	1
Styrene	ND		1.0	0.73	ug/L			08/15/12 16:59	1
Tetrachloroethene	0.49	J	1.0	0.36	ug/L			08/15/12 16:59	1
Toluene	ND		1.0	0.51	ug/L			08/15/12 16:59	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/15/12 16:59	1
Trichloroethene	ND		1.0	0.46	ug/L			08/15/12 16:59	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/15/12 16:59	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/15/12 16:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		66 - 137		08/15/12 16:59	1
Toluene-d8 (Surr)	99		71 - 126		08/15/12 16:59	1
4-Bromofluorobenzene (Surr)	99		73 - 120		08/15/12 16:59	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		08/10/12 08:14	08/14/12 01:27	1
1,2,4-Trichlorobenzene	ND		9.5	0.42	ug/L		08/10/12 08:14	08/14/12 01:27	1
2,4,5-Trichlorophenol	ND		4.8	0.46	ug/L		08/10/12 08:14	08/14/12 01:27	1
1,2-Dichlorobenzene	ND		9.5	0.38	ug/L		08/10/12 08:14	08/14/12 01:27	1
2,4,6-Trichlorophenol	ND		4.8	0.58	ug/L		08/10/12 08:14	08/14/12 01:27	1
2,4-Dichlorophenol	ND		4.8	0.49	ug/L		08/10/12 08:14	08/14/12 01:27	1
2,4-Dimethylphenol	65		4.8	0.48	ug/L		08/10/12 08:14	08/14/12 01:27	1
1,3-Dichlorobenzene	ND		9.5	0.46	ug/L		08/10/12 08:14	08/14/12 01:27	1
2,4-Dinitrophenol	ND		9.5	2.1	ug/L		08/10/12 08:14	08/14/12 01:27	1
2,4-Dinitrotoluene	ND		4.8	0.43	ug/L		08/10/12 08:14	08/14/12 01:27	1

Client Sample Results

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

TestAmerica Job ID: 480-23637-1

Client Sample ID: S-1

Lab Sample ID: 480-23637-1

Date Collected: 08/08/12 12:00

Matrix: Water

Date Received: 08/08/12 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		9.5	0.44	ug/L		08/10/12 08:14	08/14/12 01:27	1
2,6-Dinitrotoluene	ND		4.8	0.38	ug/L		08/10/12 08:14	08/14/12 01:27	1
2-Chloronaphthalene	ND		4.8	0.44	ug/L		08/10/12 08:14	08/14/12 01:27	1
2-Chlorophenol	ND		4.8	0.50	ug/L		08/10/12 08:14	08/14/12 01:27	1
2-Methylnaphthalene	0.72	J	4.8	0.57	ug/L		08/10/12 08:14	08/14/12 01:27	1
2-Methylphenol	ND		4.8	0.38	ug/L		08/10/12 08:14	08/14/12 01:27	1
2-Nitroaniline	ND		9.5	0.40	ug/L		08/10/12 08:14	08/14/12 01:27	1
2-Nitrophenol	ND		4.8	0.46	ug/L		08/10/12 08:14	08/14/12 01:27	1
3,3'-Dichlorobenzidine	ND		4.8	0.38	ug/L		08/10/12 08:14	08/14/12 01:27	1
3-Nitroaniline	ND		9.5	0.46	ug/L		08/10/12 08:14	08/14/12 01:27	1
4,6-Dinitro-2-methylphenol	ND		9.5	2.1	ug/L		08/10/12 08:14	08/14/12 01:27	1
4-Bromophenyl phenyl ether	ND		4.8	0.43	ug/L		08/10/12 08:14	08/14/12 01:27	1
4-Chloro-3-methylphenol	ND		4.8	0.43	ug/L		08/10/12 08:14	08/14/12 01:27	1
4-Chloroaniline	ND		4.8	0.56	ug/L		08/10/12 08:14	08/14/12 01:27	1
4-Chlorophenyl phenyl ether	ND		4.8	0.33	ug/L		08/10/12 08:14	08/14/12 01:27	1
4-Methylphenol	ND		9.5	0.34	ug/L		08/10/12 08:14	08/14/12 01:27	1
4-Nitroaniline	ND		9.5	0.24	ug/L		08/10/12 08:14	08/14/12 01:27	1
4-Nitrophenol	ND		9.5	1.4	ug/L		08/10/12 08:14	08/14/12 01:27	1
Acenaphthene	ND		4.8	0.39	ug/L		08/10/12 08:14	08/14/12 01:27	1
Acenaphthylene	ND		4.8	0.36	ug/L		08/10/12 08:14	08/14/12 01:27	1
Anthracene	0.64	J	4.8	0.27	ug/L		08/10/12 08:14	08/14/12 01:27	1
Benzo[a]anthracene	0.74	J	4.8	0.34	ug/L		08/10/12 08:14	08/14/12 01:27	1
Benzo[a]pyrene	0.77	J	4.8	0.45	ug/L		08/10/12 08:14	08/14/12 01:27	1
Benzo[b]fluoranthene	1.1	J	4.8	0.32	ug/L		08/10/12 08:14	08/14/12 01:27	1
Benzo[g,h,i]perylene	0.65	J	4.8	0.33	ug/L		08/10/12 08:14	08/14/12 01:27	1
Benzo[k]fluoranthene	ND		4.8	0.70	ug/L		08/10/12 08:14	08/14/12 01:27	1
Bis(2-chloroethoxy)methane	ND		4.8	0.33	ug/L		08/10/12 08:14	08/14/12 01:27	1
Bis(2-chloroethyl)ether	ND		4.8	0.38	ug/L		08/10/12 08:14	08/14/12 01:27	1
Bis(2-ethylhexyl) phthalate	6.3		4.8	1.7	ug/L		08/10/12 08:14	08/14/12 01:27	1
Butyl benzyl phthalate	ND		4.8	0.40	ug/L		08/10/12 08:14	08/14/12 01:27	1
Carbazole	0.96	J	4.8	0.29	ug/L		08/10/12 08:14	08/14/12 01:27	1
Chrysene	0.73	J	4.8	0.31	ug/L		08/10/12 08:14	08/14/12 01:27	1
Di-n-butyl phthalate	0.80	J	4.8	0.30	ug/L		08/10/12 08:14	08/14/12 01:27	1
Di-n-octyl phthalate	ND		4.8	0.45	ug/L		08/10/12 08:14	08/14/12 01:27	1
Dibenz(a,h)anthracene	ND		4.8	0.40	ug/L		08/10/12 08:14	08/14/12 01:27	1
Dibenzofuran	ND		9.5	0.49	ug/L		08/10/12 08:14	08/14/12 01:27	1
Diethyl phthalate	ND		4.8	0.21	ug/L		08/10/12 08:14	08/14/12 01:27	1
Dimethyl phthalate	ND		4.8	0.34	ug/L		08/10/12 08:14	08/14/12 01:27	1
Fluoranthene	1.4	J	4.8	0.38	ug/L		08/10/12 08:14	08/14/12 01:27	1
Fluorene	0.77	J	4.8	0.34	ug/L		08/10/12 08:14	08/14/12 01:27	1
Hexachlorobenzene	ND		4.8	0.49	ug/L		08/10/12 08:14	08/14/12 01:27	1
Hexachlorobutadiene	ND		4.8	0.65	ug/L		08/10/12 08:14	08/14/12 01:27	1
Hexachlorocyclopentadiene	ND		4.8	0.56	ug/L		08/10/12 08:14	08/14/12 01:27	1
Hexachloroethane	ND		4.8	0.56	ug/L		08/10/12 08:14	08/14/12 01:27	1
Indeno[1,2,3-cd]pyrene	0.54	J	4.8	0.45	ug/L		08/10/12 08:14	08/14/12 01:27	1
Isophorone	ND		4.8	0.41	ug/L		08/10/12 08:14	08/14/12 01:27	1
N-Nitrosodi-n-propylamine	ND		4.8	0.51	ug/L		08/10/12 08:14	08/14/12 01:27	1
N-Nitrosodiphenylamine	ND	*	4.8	0.49	ug/L		08/10/12 08:14	08/14/12 01:27	1
Naphthalene	ND		4.8	0.72	ug/L		08/10/12 08:14	08/14/12 01:27	1
Nitrobenzene	ND		4.8	0.28	ug/L		08/10/12 08:14	08/14/12 01:27	1
Pentachlorophenol	ND		9.5	2.1	ug/L		08/10/12 08:14	08/14/12 01:27	1

Client Sample Results

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

TestAmerica Job ID: 480-23637-1

Client Sample ID: S-1

Lab Sample ID: 480-23637-1

Date Collected: 08/08/12 12:00

Matrix: Water

Date Received: 08/08/12 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenanthrene	0.75	J	4.8	0.42	ug/L		08/10/12 08:14	08/14/12 01:27	1
Phenol	ND		4.8	0.37	ug/L		08/10/12 08:14	08/14/12 01:27	1
Pyrene	1.9	J	4.8	0.32	ug/L		08/10/12 08:14	08/14/12 01:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	117		52 - 132				08/10/12 08:14	08/14/12 01:27	1
2-Fluorobiphenyl	95		48 - 120				08/10/12 08:14	08/14/12 01:27	1
2-Fluorophenol	37		20 - 120				08/10/12 08:14	08/14/12 01:27	1
Nitrobenzene-d5	85		46 - 120				08/10/12 08:14	08/14/12 01:27	1
p-Terphenyl-d14	55	X	67 - 150				08/10/12 08:14	08/14/12 01:27	1
Phenol-d5	32		16 - 120				08/10/12 08:14	08/14/12 01:27	1

Method: 8081A_ASP - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		2.4	0.45	ug/L		08/10/12 14:32	08/13/12 21:36	50
4,4'-DDE	ND		2.4	0.56	ug/L		08/10/12 14:32	08/13/12 21:36	50
4,4'-DDT	ND		2.4	0.53	ug/L		08/10/12 14:32	08/13/12 21:36	50
Aldrin	ND		2.4	0.32	ug/L		08/10/12 14:32	08/13/12 21:36	50
alpha-BHC	ND		2.4	0.32	ug/L		08/10/12 14:32	08/13/12 21:36	50
alpha-Chlordane	ND		2.4	0.72	ug/L		08/10/12 14:32	08/13/12 21:36	50
beta-BHC	ND		2.4	1.2	ug/L		08/10/12 14:32	08/13/12 21:36	50
delta-BHC	ND		2.4	0.49	ug/L		08/10/12 14:32	08/13/12 21:36	50
Dieldrin	ND		2.4	0.48	ug/L		08/10/12 14:32	08/13/12 21:36	50
Endosulfan I	ND		2.4	0.53	ug/L		08/10/12 14:32	08/13/12 21:36	50
Endosulfan II	ND		2.4	0.58	ug/L		08/10/12 14:32	08/13/12 21:36	50
Endosulfan sulfate	ND		2.4	0.76	ug/L		08/10/12 14:32	08/13/12 21:36	50
Endrin	ND		2.4	0.67	ug/L		08/10/12 14:32	08/13/12 21:36	50
Endrin aldehyde	ND		2.4	0.79	ug/L		08/10/12 14:32	08/13/12 21:36	50
Endrin ketone	ND		2.4	0.58	ug/L		08/10/12 14:32	08/13/12 21:36	50
gamma-BHC (Lindane)	ND		2.4	0.29	ug/L		08/10/12 14:32	08/13/12 21:36	50
gamma-Chlordane	ND		2.4	0.53	ug/L		08/10/12 14:32	08/13/12 21:36	50
Heptachlor	ND		2.4	0.41	ug/L		08/10/12 14:32	08/13/12 21:36	50
Heptachlor epoxide	ND		2.4	0.26	ug/L		08/10/12 14:32	08/13/12 21:36	50
Methoxychlor	ND		2.4	0.68	ug/L		08/10/12 14:32	08/13/12 21:36	50
Toxaphene	ND		24	5.8	ug/L		08/10/12 14:32	08/13/12 21:36	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	0	X	16 - 120				08/10/12 14:32	08/13/12 21:36	50
Tetrachloro-m-xylene	0	X	35 - 120				08/10/12 14:32	08/13/12 21:36	50

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		08/14/12 14:14	08/17/12 19:14	1
PCB-1221	ND		0.48	0.17	ug/L		08/14/12 14:14	08/17/12 19:14	1
PCB-1232	ND		0.48	0.17	ug/L		08/14/12 14:14	08/17/12 19:14	1
PCB-1242	ND		0.48	0.17	ug/L		08/14/12 14:14	08/17/12 19:14	1
PCB-1248	8.3		0.48	0.17	ug/L		08/14/12 14:14	08/17/12 19:14	1
PCB-1254	ND		0.48	0.24	ug/L		08/14/12 14:14	08/17/12 19:14	1
PCB-1260	5.7		0.48	0.24	ug/L		08/14/12 14:14	08/17/12 19:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	26		19 - 120				08/14/12 14:14	08/17/12 19:14	1

Client Sample Results

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

TestAmerica Job ID: 480-23637-1

Client Sample ID: S-1

Lab Sample ID: 480-23637-1

Date Collected: 08/08/12 12:00

Matrix: Water

Date Received: 08/08/12 09:00

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	45		23 - 127	08/14/12 14:14	08/17/12 19:14	1

Method: 6010B_ASP - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.63		0.20	0.060	mg/L		08/09/12 10:10	08/09/12 18:35	1
Antimony	ND		0.020	0.0068	mg/L		08/09/12 10:10	08/09/12 18:35	1
Arsenic	ND		0.010	0.0056	mg/L		08/09/12 10:10	08/09/12 18:35	1
Barium	0.16	B	0.0020	0.00070	mg/L		08/09/12 10:10	08/09/12 18:35	1
Beryllium	ND		0.0020	0.00030	mg/L		08/09/12 10:10	08/09/12 18:35	1
Cadmium	ND		0.0010	0.00050	mg/L		08/09/12 10:10	08/09/12 18:35	1
Calcium	58.8		0.50	0.10	mg/L		08/09/12 10:10	08/09/12 18:35	1
Chromium	0.0021	J	0.0040	0.0010	mg/L		08/09/12 10:10	08/09/12 18:35	1
Cobalt	ND		0.0040	0.00063	mg/L		08/09/12 10:10	08/09/12 18:35	1
Copper	0.0067	J	0.010	0.0016	mg/L		08/09/12 10:10	08/09/12 18:35	1
Iron	4.8		0.050	0.019	mg/L		08/09/12 10:10	08/09/12 18:35	1
Lead	ND		0.0050	0.0030	mg/L		08/09/12 10:10	08/09/12 18:35	1
Magnesium	12.8		0.20	0.043	mg/L		08/09/12 10:10	08/09/12 18:35	1
Manganese	0.72		0.0030	0.00040	mg/L		08/09/12 10:10	08/09/12 18:35	1
Nickel	0.0030	J	0.010	0.0013	mg/L		08/09/12 10:10	08/09/12 18:35	1
Potassium	17.6		0.50	0.10	mg/L		08/09/12 10:10	08/09/12 18:35	1
Selenium	ND		0.015	0.0087	mg/L		08/09/12 10:10	08/09/12 18:35	1
Silver	ND		0.0030	0.0017	mg/L		08/09/12 10:10	08/09/12 18:35	1
Sodium	69.6		1.0	0.32	mg/L		08/09/12 10:10	08/09/12 18:35	1
Thallium	ND		0.020	0.010	mg/L		08/09/12 10:10	08/09/12 18:35	1
Vanadium	0.0022	J	0.0050	0.0015	mg/L		08/09/12 10:10	08/09/12 18:35	1
Zinc	0.0082	J	0.010	0.0015	mg/L		08/09/12 10:10	08/09/12 18:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Cyanide	0.0074	J	0.010	0.0050	mg/L		08/10/12 04:48	08/10/12 10:04	1

Client Sample ID: S-2

Lab Sample ID: 480-23637-2

Date Collected: 08/08/12 11:10

Matrix: Water

Date Received: 08/08/12 09:00

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			08/15/12 17:25	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/15/12 17:25	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/15/12 17:25	1
1,1-Dichloroethane	1.0		1.0	0.38	ug/L			08/15/12 17:25	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/15/12 17:25	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/15/12 17:25	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/15/12 17:25	1
2-Hexanone	ND		5.0	1.2	ug/L			08/15/12 17:25	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/15/12 17:25	1
1,2-Dichloroethene, Total	ND		2.0	0.70	ug/L			08/15/12 17:25	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/15/12 17:25	1
Acetone	4.3	J	10	3.0	ug/L			08/15/12 17:25	1
Benzene	0.44	J	1.0	0.41	ug/L			08/15/12 17:25	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/15/12 17:25	1

Client Sample Results

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

TestAmerica Job ID: 480-23637-1

Client Sample ID: S-2

Lab Sample ID: 480-23637-2

Date Collected: 08/08/12 11:10

Matrix: Water

Date Received: 08/08/12 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	ND		1.0	0.26	ug/L			08/15/12 17:25	1
Bromomethane	ND		1.0	0.69	ug/L			08/15/12 17:25	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/15/12 17:25	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/15/12 17:25	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/15/12 17:25	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/15/12 17:25	1
Chloroethane	ND		1.0	0.32	ug/L			08/15/12 17:25	1
Chloroform	ND		1.0	0.34	ug/L			08/15/12 17:25	1
Chloromethane	ND		1.0	0.35	ug/L			08/15/12 17:25	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/15/12 17:25	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/15/12 17:25	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/15/12 17:25	1
Styrene	ND		1.0	0.73	ug/L			08/15/12 17:25	1
Tetrachloroethene	0.44	J	1.0	0.36	ug/L			08/15/12 17:25	1
Toluene	ND		1.0	0.51	ug/L			08/15/12 17:25	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/15/12 17:25	1
Trichloroethene	ND		1.0	0.46	ug/L			08/15/12 17:25	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/15/12 17:25	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/15/12 17:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		66 - 137		08/15/12 17:25	1
Toluene-d8 (Surr)	96		71 - 126		08/15/12 17:25	1
4-Bromofluorobenzene (Surr)	99		73 - 120		08/15/12 17:25	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	0.50	ug/L		08/10/12 08:14	08/14/12 01:51	1
1,2,4-Trichlorobenzene	ND		9.7	0.43	ug/L		08/10/12 08:14	08/14/12 01:51	1
2,4,5-Trichlorophenol	ND		4.9	0.47	ug/L		08/10/12 08:14	08/14/12 01:51	1
1,2-Dichlorobenzene	ND		9.7	0.39	ug/L		08/10/12 08:14	08/14/12 01:51	1
2,4,6-Trichlorophenol	ND		4.9	0.59	ug/L		08/10/12 08:14	08/14/12 01:51	1
2,4-Dichlorophenol	ND		4.9	0.50	ug/L		08/10/12 08:14	08/14/12 01:51	1
2,4-Dimethylphenol	21		4.9	0.49	ug/L		08/10/12 08:14	08/14/12 01:51	1
1,3-Dichlorobenzene	ND		9.7	0.47	ug/L		08/10/12 08:14	08/14/12 01:51	1
2,4-Dinitrophenol	ND		9.7	2.2	ug/L		08/10/12 08:14	08/14/12 01:51	1
2,4-Dinitrotoluene	ND		4.9	0.43	ug/L		08/10/12 08:14	08/14/12 01:51	1
1,4-Dichlorobenzene	ND		9.7	0.45	ug/L		08/10/12 08:14	08/14/12 01:51	1
2,6-Dinitrotoluene	ND		4.9	0.39	ug/L		08/10/12 08:14	08/14/12 01:51	1
2-Chloronaphthalene	ND		4.9	0.45	ug/L		08/10/12 08:14	08/14/12 01:51	1
2-Chlorophenol	ND		4.9	0.51	ug/L		08/10/12 08:14	08/14/12 01:51	1
2-Methylnaphthalene	1.6	J	4.9	0.58	ug/L		08/10/12 08:14	08/14/12 01:51	1
2-Methylphenol	ND		4.9	0.39	ug/L		08/10/12 08:14	08/14/12 01:51	1
2-Nitroaniline	ND		9.7	0.41	ug/L		08/10/12 08:14	08/14/12 01:51	1
2-Nitrophenol	ND		4.9	0.47	ug/L		08/10/12 08:14	08/14/12 01:51	1
3,3'-Dichlorobenzidine	ND		4.9	0.39	ug/L		08/10/12 08:14	08/14/12 01:51	1
3-Nitroaniline	ND		9.7	0.47	ug/L		08/10/12 08:14	08/14/12 01:51	1
4,6-Dinitro-2-methylphenol	ND		9.7	2.1	ug/L		08/10/12 08:14	08/14/12 01:51	1
4-Bromophenyl phenyl ether	ND		4.9	0.44	ug/L		08/10/12 08:14	08/14/12 01:51	1
4-Chloro-3-methylphenol	ND		4.9	0.44	ug/L		08/10/12 08:14	08/14/12 01:51	1
4-Chloroaniline	ND		4.9	0.57	ug/L		08/10/12 08:14	08/14/12 01:51	1

Client Sample Results

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

TestAmerica Job ID: 480-23637-1

Client Sample ID: S-2

Lab Sample ID: 480-23637-2

Date Collected: 08/08/12 11:10

Matrix: Water

Date Received: 08/08/12 09:00

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		4.9	0.34	ug/L		08/10/12 08:14	08/14/12 01:51	1
4-Methylphenol	5.5	J	9.7	0.35	ug/L		08/10/12 08:14	08/14/12 01:51	1
4-Nitroaniline	ND		9.7	0.24	ug/L		08/10/12 08:14	08/14/12 01:51	1
4-Nitrophenol	ND		9.7	1.5	ug/L		08/10/12 08:14	08/14/12 01:51	1
Acenaphthene	0.73	J	4.9	0.40	ug/L		08/10/12 08:14	08/14/12 01:51	1
Acenaphthylene	ND		4.9	0.37	ug/L		08/10/12 08:14	08/14/12 01:51	1
Anthracene	0.29	J	4.9	0.27	ug/L		08/10/12 08:14	08/14/12 01:51	1
Benzo[a]anthracene	ND		4.9	0.35	ug/L		08/10/12 08:14	08/14/12 01:51	1
Benzo[a]pyrene	ND		4.9	0.46	ug/L		08/10/12 08:14	08/14/12 01:51	1
Benzo[b]fluoranthene	ND		4.9	0.33	ug/L		08/10/12 08:14	08/14/12 01:51	1
Benzo[g,h,i]perylene	ND		4.9	0.34	ug/L		08/10/12 08:14	08/14/12 01:51	1
Benzo[k]fluoranthene	ND		4.9	0.71	ug/L		08/10/12 08:14	08/14/12 01:51	1
Bis(2-chloroethoxy)methane	ND		4.9	0.34	ug/L		08/10/12 08:14	08/14/12 01:51	1
Bis(2-chloroethyl)ether	ND		4.9	0.39	ug/L		08/10/12 08:14	08/14/12 01:51	1
Bis(2-ethylhexyl) phthalate	ND		4.9	1.7	ug/L		08/10/12 08:14	08/14/12 01:51	1
Butyl benzyl phthalate	ND		4.9	0.41	ug/L		08/10/12 08:14	08/14/12 01:51	1
Carbazole	0.91	J	4.9	0.29	ug/L		08/10/12 08:14	08/14/12 01:51	1
Chrysene	ND		4.9	0.32	ug/L		08/10/12 08:14	08/14/12 01:51	1
Di-n-butyl phthalate	1.3	J	4.9	0.30	ug/L		08/10/12 08:14	08/14/12 01:51	1
Di-n-octyl phthalate	ND		4.9	0.46	ug/L		08/10/12 08:14	08/14/12 01:51	1
Dibenz(a,h)anthracene	ND		4.9	0.41	ug/L		08/10/12 08:14	08/14/12 01:51	1
Dibenzofuran	ND		9.7	0.50	ug/L		08/10/12 08:14	08/14/12 01:51	1
Diethyl phthalate	ND		4.9	0.21	ug/L		08/10/12 08:14	08/14/12 01:51	1
Dimethyl phthalate	7.2		4.9	0.35	ug/L		08/10/12 08:14	08/14/12 01:51	1
Fluoranthene	0.39	J	4.9	0.39	ug/L		08/10/12 08:14	08/14/12 01:51	1
Fluorene	0.58	J	4.9	0.35	ug/L		08/10/12 08:14	08/14/12 01:51	1
Hexachlorobenzene	ND		4.9	0.50	ug/L		08/10/12 08:14	08/14/12 01:51	1
Hexachlorobutadiene	ND		4.9	0.66	ug/L		08/10/12 08:14	08/14/12 01:51	1
Hexachlorocyclopentadiene	ND		4.9	0.57	ug/L		08/10/12 08:14	08/14/12 01:51	1
Hexachloroethane	ND		4.9	0.57	ug/L		08/10/12 08:14	08/14/12 01:51	1
Indeno[1,2,3-cd]pyrene	ND		4.9	0.46	ug/L		08/10/12 08:14	08/14/12 01:51	1
Isophorone	ND		4.9	0.42	ug/L		08/10/12 08:14	08/14/12 01:51	1
N-Nitrosodi-n-propylamine	ND		4.9	0.52	ug/L		08/10/12 08:14	08/14/12 01:51	1
N-Nitrosodiphenylamine	ND	*	4.9	0.50	ug/L		08/10/12 08:14	08/14/12 01:51	1
Naphthalene	1.7	J	4.9	0.74	ug/L		08/10/12 08:14	08/14/12 01:51	1
Nitrobenzene	ND		4.9	0.28	ug/L		08/10/12 08:14	08/14/12 01:51	1
Pentachlorophenol	ND		9.7	2.1	ug/L		08/10/12 08:14	08/14/12 01:51	1
Phenanthrene	0.65	J	4.9	0.43	ug/L		08/10/12 08:14	08/14/12 01:51	1
Phenol	ND		4.9	0.38	ug/L		08/10/12 08:14	08/14/12 01:51	1
Pyrene	0.48	J	4.9	0.33	ug/L		08/10/12 08:14	08/14/12 01:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	117		52 - 132	08/10/12 08:14	08/14/12 01:51	1
2-Fluorobiphenyl	79		48 - 120	08/10/12 08:14	08/14/12 01:51	1
2-Fluorophenol	42		20 - 120	08/10/12 08:14	08/14/12 01:51	1
Nitrobenzene-d5	77		46 - 120	08/10/12 08:14	08/14/12 01:51	1
p-Terphenyl-d14	69		67 - 150	08/10/12 08:14	08/14/12 01:51	1
Phenol-d5	29		16 - 120	08/10/12 08:14	08/14/12 01:51	1

Client Sample Results

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

TestAmerica Job ID: 480-23637-1

Client Sample ID: S-2

Lab Sample ID: 480-23637-2

Date Collected: 08/08/12 11:10

Matrix: Water

Date Received: 08/08/12 09:00

Method: 8081A_ASP - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		2.4	0.44	ug/L		08/10/12 14:32	08/13/12 22:17	50
4,4'-DDE	ND		2.4	0.55	ug/L		08/10/12 14:32	08/13/12 22:17	50
4,4'-DDT	ND		2.4	0.52	ug/L		08/10/12 14:32	08/13/12 22:17	50
Aldrin	ND		2.4	0.31	ug/L		08/10/12 14:32	08/13/12 22:17	50
alpha-BHC	ND		2.4	0.31	ug/L		08/10/12 14:32	08/13/12 22:17	50
alpha-Chlordane	ND		2.4	0.70	ug/L		08/10/12 14:32	08/13/12 22:17	50
beta-BHC	ND		2.4	1.2	ug/L		08/10/12 14:32	08/13/12 22:17	50
delta-BHC	ND		2.4	0.47	ug/L		08/10/12 14:32	08/13/12 22:17	50
Dieldrin	ND		2.4	0.46	ug/L		08/10/12 14:32	08/13/12 22:17	50
Endosulfan I	ND		2.4	0.52	ug/L		08/10/12 14:32	08/13/12 22:17	50
Endosulfan II	ND		2.4	0.57	ug/L		08/10/12 14:32	08/13/12 22:17	50
Endosulfan sulfate	ND		2.4	0.74	ug/L		08/10/12 14:32	08/13/12 22:17	50
Endrin	ND		2.4	0.65	ug/L		08/10/12 14:32	08/13/12 22:17	50
Endrin aldehyde	ND		2.4	0.77	ug/L		08/10/12 14:32	08/13/12 22:17	50
Endrin ketone	ND		2.4	0.57	ug/L		08/10/12 14:32	08/13/12 22:17	50
gamma-BHC (Lindane)	ND		2.4	0.28	ug/L		08/10/12 14:32	08/13/12 22:17	50
gamma-Chlordane	ND		2.4	0.52	ug/L		08/10/12 14:32	08/13/12 22:17	50
Heptachlor	ND		2.4	0.40	ug/L		08/10/12 14:32	08/13/12 22:17	50
Heptachlor epoxide	ND		2.4	0.25	ug/L		08/10/12 14:32	08/13/12 22:17	50
Methoxychlor	ND		2.4	0.67	ug/L		08/10/12 14:32	08/13/12 22:17	50
Toxaphene	ND		24	5.7	ug/L		08/10/12 14:32	08/13/12 22:17	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	0	X	16 - 120	08/10/12 14:32	08/13/12 22:17	50
Tetrachloro-m-xylene	0	X	35 - 120	08/10/12 14:32	08/13/12 22:17	50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		08/14/12 14:14	08/17/12 19:30	1
PCB-1221	ND		0.50	0.18	ug/L		08/14/12 14:14	08/17/12 19:30	1
PCB-1232	ND		0.50	0.18	ug/L		08/14/12 14:14	08/17/12 19:30	1
PCB-1242	0.46	J	0.50	0.18	ug/L		08/14/12 14:14	08/17/12 19:30	1
PCB-1248	ND		0.50	0.18	ug/L		08/14/12 14:14	08/17/12 19:30	1
PCB-1254	ND		0.50	0.25	ug/L		08/14/12 14:14	08/17/12 19:30	1
PCB-1260	ND		0.50	0.25	ug/L		08/14/12 14:14	08/17/12 19:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	20		19 - 120	08/14/12 14:14	08/17/12 19:30	1
Tetrachloro-m-xylene	73		23 - 127	08/14/12 14:14	08/17/12 19:30	1

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		08/09/12 10:10	08/09/12 18:37	1
Antimony	ND		0.020	0.0068	mg/L		08/09/12 10:10	08/09/12 18:37	1
Arsenic	ND		0.010	0.0056	mg/L		08/09/12 10:10	08/09/12 18:37	1
Barium	0.11	B	0.0020	0.00070	mg/L		08/09/12 10:10	08/09/12 18:37	1
Beryllium	ND		0.0020	0.00030	mg/L		08/09/12 10:10	08/09/12 18:37	1
Cadmium	ND		0.0010	0.00050	mg/L		08/09/12 10:10	08/09/12 18:37	1
Calcium	65.8		0.50	0.10	mg/L		08/09/12 10:10	08/09/12 18:37	1
Chromium	0.0016	J	0.0040	0.0010	mg/L		08/09/12 10:10	08/09/12 18:37	1
Cobalt	ND		0.0040	0.00063	mg/L		08/09/12 10:10	08/09/12 18:37	1
Copper	0.0078	J	0.010	0.0016	mg/L		08/09/12 10:10	08/09/12 18:37	1

Client Sample Results

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

TestAmerica Job ID: 480-23637-1

Client Sample ID: S-2

Lab Sample ID: 480-23637-2

Date Collected: 08/08/12 11:10

Matrix: Water

Date Received: 08/08/12 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	3.4		0.050	0.019	mg/L		08/09/12 10:10	08/09/12 18:37	1
Lead	ND		0.0050	0.0030	mg/L		08/09/12 10:10	08/09/12 18:37	1
Magnesium	7.4		0.20	0.043	mg/L		08/09/12 10:10	08/09/12 18:37	1
Manganese	0.43		0.0030	0.00040	mg/L		08/09/12 10:10	08/09/12 18:37	1
Nickel	0.0026	J	0.010	0.0013	mg/L		08/09/12 10:10	08/09/12 18:37	1
Potassium	27.6		0.50	0.10	mg/L		08/09/12 10:10	08/09/12 18:37	1
Selenium	ND		0.015	0.0087	mg/L		08/09/12 10:10	08/09/12 18:37	1
Silver	ND		0.0030	0.0017	mg/L		08/09/12 10:10	08/09/12 18:37	1
Sodium	63.2		1.0	0.32	mg/L		08/09/12 10:10	08/09/12 18:37	1
Thallium	ND		0.020	0.010	mg/L		08/09/12 10:10	08/09/12 18:37	1
Vanadium	0.0091		0.0050	0.0015	mg/L		08/09/12 10:10	08/09/12 18:37	1
Zinc	0.020		0.010	0.0015	mg/L		08/09/12 10:10	08/09/12 18:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Cyanide	0.029		0.010	0.0050	mg/L		08/10/12 04:48	08/10/12 10:06	1

Client Sample ID: S-3

Lab Sample ID: 480-23637-3

Date Collected: 08/08/12 10:45

Matrix: Water

Date Received: 08/08/12 09:00

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			08/15/12 17:50	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/15/12 17:50	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/15/12 17:50	1
1,1-Dichloroethane	2.2	J	1.0	0.38	ug/L			08/15/12 17:50	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/15/12 17:50	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/15/12 17:50	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/15/12 17:50	1
2-Hexanone	ND		5.0	1.2	ug/L			08/15/12 17:50	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/15/12 17:50	1
1,2-Dichloroethene, Total	ND		2.0	0.70	ug/L			08/15/12 17:50	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/15/12 17:50	1
Acetone	ND		10	3.0	ug/L			08/15/12 17:50	1
Benzene	0.50	J	1.0	0.41	ug/L			08/15/12 17:50	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/15/12 17:50	1
Bromoform	ND		1.0	0.26	ug/L			08/15/12 17:50	1
Bromomethane	ND		1.0	0.69	ug/L			08/15/12 17:50	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/15/12 17:50	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/15/12 17:50	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/15/12 17:50	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/15/12 17:50	1
Chloroethane	ND		1.0	0.32	ug/L			08/15/12 17:50	1
Chloroform	ND		1.0	0.34	ug/L			08/15/12 17:50	1
Chloromethane	ND		1.0	0.35	ug/L			08/15/12 17:50	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/15/12 17:50	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/15/12 17:50	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/15/12 17:50	1
Styrene	ND		1.0	0.73	ug/L			08/15/12 17:50	1
Tetrachloroethene	0.49	J	1.0	0.36	ug/L			08/15/12 17:50	1

Client Sample Results

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

TestAmerica Job ID: 480-23637-1

Client Sample ID: S-3

Lab Sample ID: 480-23637-3

Date Collected: 08/08/12 10:45

Matrix: Water

Date Received: 08/08/12 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	0.94	J	1.0	0.51	ug/L			08/15/12 17:50	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/15/12 17:50	1
Trichloroethene	ND		1.0	0.46	ug/L			08/15/12 17:50	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/15/12 17:50	1
Xylenes, Total	2.5		2.0	0.66	ug/L			08/15/12 17:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		66 - 137					08/15/12 17:50	1
Toluene-d8 (Surr)	99		71 - 126					08/15/12 17:50	1
4-Bromofluorobenzene (Surr)	101		73 - 120					08/15/12 17:50	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		08/10/12 08:14	08/14/12 02:15	1
1,2,4-Trichlorobenzene	ND		9.5	0.42	ug/L		08/10/12 08:14	08/14/12 02:15	1
2,4,5-Trichlorophenol	ND		4.8	0.46	ug/L		08/10/12 08:14	08/14/12 02:15	1
1,2-Dichlorobenzene	ND		9.5	0.38	ug/L		08/10/12 08:14	08/14/12 02:15	1
2,4,6-Trichlorophenol	ND		4.8	0.58	ug/L		08/10/12 08:14	08/14/12 02:15	1
2,4-Dichlorophenol	ND		4.8	0.49	ug/L		08/10/12 08:14	08/14/12 02:15	1
2,4-Dimethylphenol	11		4.8	0.48	ug/L		08/10/12 08:14	08/14/12 02:15	1
1,3-Dichlorobenzene	ND		9.5	0.46	ug/L		08/10/12 08:14	08/14/12 02:15	1
2,4-Dinitrophenol	ND		9.5	2.1	ug/L		08/10/12 08:14	08/14/12 02:15	1
2,4-Dinitrotoluene	ND		4.8	0.43	ug/L		08/10/12 08:14	08/14/12 02:15	1
1,4-Dichlorobenzene	ND		9.5	0.44	ug/L		08/10/12 08:14	08/14/12 02:15	1
2,6-Dinitrotoluene	ND		4.8	0.38	ug/L		08/10/12 08:14	08/14/12 02:15	1
2-Chloronaphthalene	ND		4.8	0.44	ug/L		08/10/12 08:14	08/14/12 02:15	1
2-Chlorophenol	ND		4.8	0.50	ug/L		08/10/12 08:14	08/14/12 02:15	1
2-Methylnaphthalene	0.67	J	4.8	0.57	ug/L		08/10/12 08:14	08/14/12 02:15	1
2-Methylphenol	5.1		4.8	0.38	ug/L		08/10/12 08:14	08/14/12 02:15	1
2-Nitroaniline	ND		9.5	0.40	ug/L		08/10/12 08:14	08/14/12 02:15	1
2-Nitrophenol	ND		4.8	0.46	ug/L		08/10/12 08:14	08/14/12 02:15	1
3,3'-Dichlorobenzidine	ND		4.8	0.38	ug/L		08/10/12 08:14	08/14/12 02:15	1
3-Nitroaniline	ND		9.5	0.46	ug/L		08/10/12 08:14	08/14/12 02:15	1
4,6-Dinitro-2-methylphenol	ND		9.5	2.1	ug/L		08/10/12 08:14	08/14/12 02:15	1
4-Bromophenyl phenyl ether	ND		4.8	0.43	ug/L		08/10/12 08:14	08/14/12 02:15	1
4-Chloro-3-methylphenol	ND		4.8	0.43	ug/L		08/10/12 08:14	08/14/12 02:15	1
4-Chloroaniline	ND		4.8	0.56	ug/L		08/10/12 08:14	08/14/12 02:15	1
4-Chlorophenyl phenyl ether	ND		4.8	0.33	ug/L		08/10/12 08:14	08/14/12 02:15	1
4-Methylphenol	6.7	J	9.5	0.34	ug/L		08/10/12 08:14	08/14/12 02:15	1
4-Nitroaniline	ND		9.5	0.24	ug/L		08/10/12 08:14	08/14/12 02:15	1
4-Nitrophenol	ND		9.5	1.4	ug/L		08/10/12 08:14	08/14/12 02:15	1
Acenaphthene	0.74	J	4.8	0.39	ug/L		08/10/12 08:14	08/14/12 02:15	1
Acenaphthylene	ND		4.8	0.36	ug/L		08/10/12 08:14	08/14/12 02:15	1
Anthracene	ND		4.8	0.27	ug/L		08/10/12 08:14	08/14/12 02:15	1
Benzo[a]anthracene	ND		4.8	0.34	ug/L		08/10/12 08:14	08/14/12 02:15	1
Benzo[a]pyrene	ND		4.8	0.45	ug/L		08/10/12 08:14	08/14/12 02:15	1
Benzo[b]fluoranthene	ND		4.8	0.32	ug/L		08/10/12 08:14	08/14/12 02:15	1
Benzo[g,h,i]perylene	ND		4.8	0.33	ug/L		08/10/12 08:14	08/14/12 02:15	1
Benzo[k]fluoranthene	ND		4.8	0.70	ug/L		08/10/12 08:14	08/14/12 02:15	1
Bis(2-chloroethoxy)methane	ND		4.8	0.33	ug/L		08/10/12 08:14	08/14/12 02:15	1
Bis(2-chloroethyl)ether	ND		4.8	0.38	ug/L		08/10/12 08:14	08/14/12 02:15	1

Client Sample Results

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

TestAmerica Job ID: 480-23637-1

Client Sample ID: S-3

Lab Sample ID: 480-23637-3

Date Collected: 08/08/12 10:45

Matrix: Water

Date Received: 08/08/12 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	ND		4.8	1.7	ug/L		08/10/12 08:14	08/14/12 02:15	1
Butyl benzyl phthalate	ND		4.8	0.40	ug/L		08/10/12 08:14	08/14/12 02:15	1
Carbazole	0.49	J	4.8	0.29	ug/L		08/10/12 08:14	08/14/12 02:15	1
Chrysene	ND		4.8	0.31	ug/L		08/10/12 08:14	08/14/12 02:15	1
Di-n-butyl phthalate	0.39	J	4.8	0.30	ug/L		08/10/12 08:14	08/14/12 02:15	1
Di-n-octyl phthalate	ND		4.8	0.45	ug/L		08/10/12 08:14	08/14/12 02:15	1
Dibenz(a,h)anthracene	ND		4.8	0.40	ug/L		08/10/12 08:14	08/14/12 02:15	1
Dibenzofuran	ND		9.5	0.49	ug/L		08/10/12 08:14	08/14/12 02:15	1
Diethyl phthalate	ND		4.8	0.21	ug/L		08/10/12 08:14	08/14/12 02:15	1
Dimethyl phthalate	ND		4.8	0.34	ug/L		08/10/12 08:14	08/14/12 02:15	1
Fluoranthene	ND		4.8	0.38	ug/L		08/10/12 08:14	08/14/12 02:15	1
Fluorene	0.65	J	4.8	0.34	ug/L		08/10/12 08:14	08/14/12 02:15	1
Hexachlorobenzene	ND		4.8	0.49	ug/L		08/10/12 08:14	08/14/12 02:15	1
Hexachlorobutadiene	ND		4.8	0.65	ug/L		08/10/12 08:14	08/14/12 02:15	1
Hexachlorocyclopentadiene	ND		4.8	0.56	ug/L		08/10/12 08:14	08/14/12 02:15	1
Hexachloroethane	ND		4.8	0.56	ug/L		08/10/12 08:14	08/14/12 02:15	1
Indeno[1,2,3-cd]pyrene	ND		4.8	0.45	ug/L		08/10/12 08:14	08/14/12 02:15	1
Isophorone	ND		4.8	0.41	ug/L		08/10/12 08:14	08/14/12 02:15	1
N-Nitrosodi-n-propylamine	ND		4.8	0.51	ug/L		08/10/12 08:14	08/14/12 02:15	1
N-Nitrosodiphenylamine	ND	*	4.8	0.49	ug/L		08/10/12 08:14	08/14/12 02:15	1
Naphthalene	2.9	J	4.8	0.72	ug/L		08/10/12 08:14	08/14/12 02:15	1
Nitrobenzene	ND		4.8	0.28	ug/L		08/10/12 08:14	08/14/12 02:15	1
Pentachlorophenol	ND		9.5	2.1	ug/L		08/10/12 08:14	08/14/12 02:15	1
Phenanthrene	0.92	J	4.8	0.42	ug/L		08/10/12 08:14	08/14/12 02:15	1
Phenol	ND		4.8	0.37	ug/L		08/10/12 08:14	08/14/12 02:15	1
Pyrene	ND		4.8	0.32	ug/L		08/10/12 08:14	08/14/12 02:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	114		52 - 132	08/10/12 08:14	08/14/12 02:15	1
2-Fluorobiphenyl	88		48 - 120	08/10/12 08:14	08/14/12 02:15	1
2-Fluorophenol	37		20 - 120	08/10/12 08:14	08/14/12 02:15	1
Nitrobenzene-d5	77		46 - 120	08/10/12 08:14	08/14/12 02:15	1
p-Terphenyl-d14	96		67 - 150	08/10/12 08:14	08/14/12 02:15	1
Phenol-d5	27		16 - 120	08/10/12 08:14	08/14/12 02:15	1

Method: 8081A_ASP - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.49	0.091	ug/L		08/10/12 14:32	08/13/12 22:58	10
4,4'-DDE	ND		0.49	0.11	ug/L		08/10/12 14:32	08/13/12 22:58	10
4,4'-DDT	ND		0.49	0.11	ug/L		08/10/12 14:32	08/13/12 22:58	10
Aldrin	ND		0.49	0.065	ug/L		08/10/12 14:32	08/13/12 22:58	10
alpha-BHC	ND		0.49	0.065	ug/L		08/10/12 14:32	08/13/12 22:58	10
alpha-Chlordane	ND		0.49	0.15	ug/L		08/10/12 14:32	08/13/12 22:58	10
beta-BHC	ND		0.49	0.24	ug/L		08/10/12 14:32	08/13/12 22:58	10
delta-BHC	ND		0.49	0.099	ug/L		08/10/12 14:32	08/13/12 22:58	10
Dieldrin	ND		0.49	0.097	ug/L		08/10/12 14:32	08/13/12 22:58	10
Endosulfan I	ND		0.49	0.11	ug/L		08/10/12 14:32	08/13/12 22:58	10
Endosulfan II	ND		0.49	0.12	ug/L		08/10/12 14:32	08/13/12 22:58	10
Endosulfan sulfate	ND		0.49	0.15	ug/L		08/10/12 14:32	08/13/12 22:58	10
Endrin	ND		0.49	0.14	ug/L		08/10/12 14:32	08/13/12 22:58	10
Endrin aldehyde	ND		0.49	0.16	ug/L		08/10/12 14:32	08/13/12 22:58	10

Client Sample Results

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

TestAmerica Job ID: 480-23637-1

Client Sample ID: S-3

Lab Sample ID: 480-23637-3

Date Collected: 08/08/12 10:45

Matrix: Water

Date Received: 08/08/12 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endrin ketone	ND		0.49	0.12	ug/L		08/10/12 14:32	08/13/12 22:58	10
gamma-BHC (Lindane)	ND		0.49	0.059	ug/L		08/10/12 14:32	08/13/12 22:58	10
gamma-Chlordane	ND		0.49	0.11	ug/L		08/10/12 14:32	08/13/12 22:58	10
Heptachlor	ND		0.49	0.084	ug/L		08/10/12 14:32	08/13/12 22:58	10
Heptachlor epoxide	ND		0.49	0.052	ug/L		08/10/12 14:32	08/13/12 22:58	10
Methoxychlor	ND		0.49	0.14	ug/L		08/10/12 14:32	08/13/12 22:58	10
Toxaphene	ND		4.9	1.2	ug/L		08/10/12 14:32	08/13/12 22:58	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	0	X	16 - 120	08/10/12 14:32	08/13/12 22:58	10
Tetrachloro-m-xylene	116		35 - 120	08/10/12 14:32	08/13/12 22:58	10

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		08/14/12 14:14	08/17/12 19:46	1
PCB-1221	ND		0.49	0.17	ug/L		08/14/12 14:14	08/17/12 19:46	1
PCB-1232	ND		0.49	0.17	ug/L		08/14/12 14:14	08/17/12 19:46	1
PCB-1242	0.93		0.49	0.17	ug/L		08/14/12 14:14	08/17/12 19:46	1
PCB-1248	ND		0.49	0.17	ug/L		08/14/12 14:14	08/17/12 19:46	1
PCB-1254	ND		0.49	0.25	ug/L		08/14/12 14:14	08/17/12 19:46	1
PCB-1260	ND		0.49	0.25	ug/L		08/14/12 14:14	08/17/12 19:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	43		19 - 120	08/14/12 14:14	08/17/12 19:46	1
Tetrachloro-m-xylene	83		23 - 127	08/14/12 14:14	08/17/12 19:46	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		08/09/12 10:10	08/09/12 18:39	1
Antimony	ND		0.020	0.0068	mg/L		08/09/12 10:10	08/09/12 18:39	1
Arsenic	0.0064	J	0.010	0.0056	mg/L		08/09/12 10:10	08/09/12 18:39	1
Barium	0.029	B	0.0020	0.00070	mg/L		08/09/12 10:10	08/09/12 18:39	1
Beryllium	ND		0.0020	0.00030	mg/L		08/09/12 10:10	08/09/12 18:39	1
Cadmium	ND		0.0010	0.00050	mg/L		08/09/12 10:10	08/09/12 18:39	1
Calcium	54.1		0.50	0.10	mg/L		08/09/12 10:10	08/09/12 18:39	1
Chromium	ND		0.0040	0.0010	mg/L		08/09/12 10:10	08/09/12 18:39	1
Cobalt	ND		0.0040	0.00063	mg/L		08/09/12 10:10	08/09/12 18:39	1
Copper	ND		0.010	0.0016	mg/L		08/09/12 10:10	08/09/12 18:39	1
Iron	0.037	J	0.050	0.019	mg/L		08/09/12 10:10	08/09/12 18:39	1
Lead	ND		0.0050	0.0030	mg/L		08/09/12 10:10	08/09/12 18:39	1
Magnesium	ND		0.20	0.043	mg/L		08/09/12 10:10	08/09/12 18:39	1
Manganese	ND		0.0030	0.00040	mg/L		08/09/12 10:10	08/09/12 18:39	1
Nickel	0.0014	J	0.010	0.0013	mg/L		08/09/12 10:10	08/09/12 18:39	1
Potassium	39.9		0.50	0.10	mg/L		08/09/12 10:10	08/09/12 18:39	1
Selenium	ND		0.015	0.0087	mg/L		08/09/12 10:10	08/09/12 18:39	1
Silver	ND		0.0030	0.0017	mg/L		08/09/12 10:10	08/09/12 18:39	1
Sodium	51.8		1.0	0.32	mg/L		08/09/12 10:10	08/09/12 18:39	1
Thallium	ND		0.020	0.010	mg/L		08/09/12 10:10	08/09/12 18:39	1
Vanadium	0.016		0.0050	0.0015	mg/L		08/09/12 10:10	08/09/12 18:39	1
Zinc	ND		0.010	0.0015	mg/L		08/09/12 10:10	08/09/12 18:39	1

Client Sample Results

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

TestAmerica Job ID: 480-23637-1

Client Sample ID: S-3

Date Collected: 08/08/12 10:45

Date Received: 08/08/12 09:00

Lab Sample ID: 480-23637-3

Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Cyanide	0.066		0.010	0.0050	mg/L		08/10/12 04:48	08/10/12 10:07	1

Client Sample ID: S-4

Date Collected: 08/08/12 10:15

Date Received: 08/08/12 09:00

Lab Sample ID: 480-23637-4

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			08/15/12 19:04	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/15/12 19:04	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/15/12 19:04	1
1,1-Dichloroethane	1.8		1.0	0.38	ug/L			08/15/12 19:04	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/15/12 19:04	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/15/12 19:04	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/15/12 19:04	1
2-Hexanone	ND		5.0	1.2	ug/L			08/15/12 19:04	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/15/12 19:04	1
1,2-Dichloroethene, Total	1.7 J		2.0	0.70	ug/L			08/15/12 19:04	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/15/12 19:04	1
Acetone	ND		10	3.0	ug/L			08/15/12 19:04	1
Benzene	0.96 J		1.0	0.41	ug/L			08/15/12 19:04	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/15/12 19:04	1
Bromoform	ND		1.0	0.26	ug/L			08/15/12 19:04	1
Bromomethane	ND		1.0	0.69	ug/L			08/15/12 19:04	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/15/12 19:04	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/15/12 19:04	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/15/12 19:04	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/15/12 19:04	1
Chloroethane	ND		1.0	0.32	ug/L			08/15/12 19:04	1
Chloroform	ND		1.0	0.34	ug/L			08/15/12 19:04	1
Chloromethane	ND		1.0	0.35	ug/L			08/15/12 19:04	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/15/12 19:04	1
Ethylbenzene	1.2		1.0	0.74	ug/L			08/15/12 19:04	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/15/12 19:04	1
Styrene	ND		1.0	0.73	ug/L			08/15/12 19:04	1
Tetrachloroethene	0.98 J		1.0	0.36	ug/L			08/15/12 19:04	1
Toluene	1.1		1.0	0.51	ug/L			08/15/12 19:04	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/15/12 19:04	1
Trichloroethene	0.73 J		1.0	0.46	ug/L			08/15/12 19:04	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/15/12 19:04	1
Xylenes, Total	6.7		2.0	0.66	ug/L			08/15/12 19:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		66 - 137		08/15/12 19:04	1
Toluene-d8 (Surr)	96		71 - 126		08/15/12 19:04	1
4-Bromofluorobenzene (Surr)	100		73 - 120		08/15/12 19:04	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		08/10/12 08:14	08/14/12 02:38	1
1,2,4-Trichlorobenzene	ND		9.8	0.43	ug/L		08/10/12 08:14	08/14/12 02:38	1
2,4,5-Trichlorophenol	ND		4.9	0.47	ug/L		08/10/12 08:14	08/14/12 02:38	1

Client Sample Results

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

TestAmerica Job ID: 480-23637-1

Client Sample ID: S-4

Lab Sample ID: 480-23637-4

Date Collected: 08/08/12 10:15

Matrix: Water

Date Received: 08/08/12 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND		9.8	0.39	ug/L		08/10/12 08:14	08/14/12 02:38	1
2,4,6-Trichlorophenol	ND		4.9	0.60	ug/L		08/10/12 08:14	08/14/12 02:38	1
2,4-Dichlorophenol	ND		4.9	0.50	ug/L		08/10/12 08:14	08/14/12 02:38	1
2,4-Dimethylphenol	18		4.9	0.49	ug/L		08/10/12 08:14	08/14/12 02:38	1
1,3-Dichlorobenzene	ND		9.8	0.47	ug/L		08/10/12 08:14	08/14/12 02:38	1
2,4-Dinitrophenol	ND		9.8	2.2	ug/L		08/10/12 08:14	08/14/12 02:38	1
2,4-Dinitrotoluene	ND		4.9	0.44	ug/L		08/10/12 08:14	08/14/12 02:38	1
1,4-Dichlorobenzene	ND		9.8	0.45	ug/L		08/10/12 08:14	08/14/12 02:38	1
2,6-Dinitrotoluene	ND		4.9	0.39	ug/L		08/10/12 08:14	08/14/12 02:38	1
2-Chloronaphthalene	ND		4.9	0.45	ug/L		08/10/12 08:14	08/14/12 02:38	1
2-Chlorophenol	ND		4.9	0.52	ug/L		08/10/12 08:14	08/14/12 02:38	1
2-Methylnaphthalene	2.7	J	4.9	0.59	ug/L		08/10/12 08:14	08/14/12 02:38	1
2-Methylphenol	13		4.9	0.39	ug/L		08/10/12 08:14	08/14/12 02:38	1
2-Nitroaniline	ND		9.8	0.41	ug/L		08/10/12 08:14	08/14/12 02:38	1
2-Nitrophenol	ND		4.9	0.47	ug/L		08/10/12 08:14	08/14/12 02:38	1
3,3'-Dichlorobenzidine	ND		4.9	0.39	ug/L		08/10/12 08:14	08/14/12 02:38	1
3-Nitroaniline	ND		9.8	0.47	ug/L		08/10/12 08:14	08/14/12 02:38	1
4,6-Dinitro-2-methylphenol	ND		9.8	2.2	ug/L		08/10/12 08:14	08/14/12 02:38	1
4-Bromophenyl phenyl ether	ND		4.9	0.44	ug/L		08/10/12 08:14	08/14/12 02:38	1
4-Chloro-3-methylphenol	ND		4.9	0.44	ug/L		08/10/12 08:14	08/14/12 02:38	1
4-Chloroaniline	ND		4.9	0.58	ug/L		08/10/12 08:14	08/14/12 02:38	1
4-Chlorophenyl phenyl ether	ND		4.9	0.34	ug/L		08/10/12 08:14	08/14/12 02:38	1
4-Methylphenol	24		9.8	0.35	ug/L		08/10/12 08:14	08/14/12 02:38	1
4-Nitroaniline	ND		9.8	0.25	ug/L		08/10/12 08:14	08/14/12 02:38	1
4-Nitrophenol	ND		9.8	1.5	ug/L		08/10/12 08:14	08/14/12 02:38	1
Acenaphthene	1.5	J	4.9	0.40	ug/L		08/10/12 08:14	08/14/12 02:38	1
Acenaphthylene	0.70	J	4.9	0.37	ug/L		08/10/12 08:14	08/14/12 02:38	1
Anthracene	0.93	J	4.9	0.27	ug/L		08/10/12 08:14	08/14/12 02:38	1
Benzo[a]anthracene	ND		4.9	0.35	ug/L		08/10/12 08:14	08/14/12 02:38	1
Benzo[a]pyrene	ND		4.9	0.46	ug/L		08/10/12 08:14	08/14/12 02:38	1
Benzo[b]fluoranthene	ND		4.9	0.33	ug/L		08/10/12 08:14	08/14/12 02:38	1
Benzo[g,h,i]perylene	ND		4.9	0.34	ug/L		08/10/12 08:14	08/14/12 02:38	1
Benzo[k]fluoranthene	ND		4.9	0.72	ug/L		08/10/12 08:14	08/14/12 02:38	1
Bis(2-chloroethoxy)methane	ND		4.9	0.34	ug/L		08/10/12 08:14	08/14/12 02:38	1
Bis(2-chloroethyl)ether	ND		4.9	0.39	ug/L		08/10/12 08:14	08/14/12 02:38	1
Bis(2-ethylhexyl) phthalate	ND		4.9	1.8	ug/L		08/10/12 08:14	08/14/12 02:38	1
Butyl benzyl phthalate	ND		4.9	0.41	ug/L		08/10/12 08:14	08/14/12 02:38	1
Carbazole	1.3	J	4.9	0.29	ug/L		08/10/12 08:14	08/14/12 02:38	1
Chrysene	ND		4.9	0.32	ug/L		08/10/12 08:14	08/14/12 02:38	1
Di-n-butyl phthalate	ND		4.9	0.30	ug/L		08/10/12 08:14	08/14/12 02:38	1
Di-n-octyl phthalate	ND		4.9	0.46	ug/L		08/10/12 08:14	08/14/12 02:38	1
Dibenz(a,h)anthracene	ND		4.9	0.41	ug/L		08/10/12 08:14	08/14/12 02:38	1
Dibenzofuran	0.75	J	9.8	0.50	ug/L		08/10/12 08:14	08/14/12 02:38	1
Diethyl phthalate	ND		4.9	0.22	ug/L		08/10/12 08:14	08/14/12 02:38	1
Dimethyl phthalate	ND		4.9	0.35	ug/L		08/10/12 08:14	08/14/12 02:38	1
Fluoranthene	0.73	J	4.9	0.39	ug/L		08/10/12 08:14	08/14/12 02:38	1
Fluorene	1.3	J	4.9	0.35	ug/L		08/10/12 08:14	08/14/12 02:38	1
Hexachlorobenzene	ND		4.9	0.50	ug/L		08/10/12 08:14	08/14/12 02:38	1
Hexachlorobutadiene	ND		4.9	0.67	ug/L		08/10/12 08:14	08/14/12 02:38	1
Hexachlorocyclopentadiene	ND		4.9	0.58	ug/L		08/10/12 08:14	08/14/12 02:38	1
Hexachloroethane	ND		4.9	0.58	ug/L		08/10/12 08:14	08/14/12 02:38	1

Client Sample Results

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

TestAmerica Job ID: 480-23637-1

Client Sample ID: S-4

Lab Sample ID: 480-23637-4

Date Collected: 08/08/12 10:15

Matrix: Water

Date Received: 08/08/12 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	ND		4.9	0.46	ug/L		08/10/12 08:14	08/14/12 02:38	1
Isophorone	ND		4.9	0.42	ug/L		08/10/12 08:14	08/14/12 02:38	1
N-Nitrosodi-n-propylamine	ND		4.9	0.53	ug/L		08/10/12 08:14	08/14/12 02:38	1
N-Nitrosodiphenylamine	ND	*	4.9	0.50	ug/L		08/10/12 08:14	08/14/12 02:38	1
Naphthalene	9.9		4.9	0.75	ug/L		08/10/12 08:14	08/14/12 02:38	1
Nitrobenzene	ND		4.9	0.28	ug/L		08/10/12 08:14	08/14/12 02:38	1
Pentachlorophenol	ND		9.8	2.2	ug/L		08/10/12 08:14	08/14/12 02:38	1
Phenanthrene	0.95	J	4.9	0.43	ug/L		08/10/12 08:14	08/14/12 02:38	1
Phenol	ND		4.9	0.38	ug/L		08/10/12 08:14	08/14/12 02:38	1
Pyrene	0.53	J	4.9	0.33	ug/L		08/10/12 08:14	08/14/12 02:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	108		52 - 132	08/10/12 08:14	08/14/12 02:38	1
2-Fluorobiphenyl	85		48 - 120	08/10/12 08:14	08/14/12 02:38	1
2-Fluorophenol	35		20 - 120	08/10/12 08:14	08/14/12 02:38	1
Nitrobenzene-d5	76		46 - 120	08/10/12 08:14	08/14/12 02:38	1
p-Terphenyl-d14	93		67 - 150	08/10/12 08:14	08/14/12 02:38	1
Phenol-d5	26		16 - 120	08/10/12 08:14	08/14/12 02:38	1

Method: 8081A_ASP - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.50	0.091	ug/L		08/10/12 14:32	08/13/12 23:39	10
4,4'-DDE	ND		0.50	0.11	ug/L		08/10/12 14:32	08/13/12 23:39	10
4,4'-DDT	ND		0.50	0.11	ug/L		08/10/12 14:32	08/13/12 23:39	10
Aldrin	ND		0.50	0.065	ug/L		08/10/12 14:32	08/13/12 23:39	10
alpha-BHC	ND		0.50	0.065	ug/L		08/10/12 14:32	08/13/12 23:39	10
alpha-Chlordane	ND		0.50	0.15	ug/L		08/10/12 14:32	08/13/12 23:39	10
beta-BHC	ND		0.50	0.25	ug/L		08/10/12 14:32	08/13/12 23:39	10
delta-BHC	ND		0.50	0.099	ug/L		08/10/12 14:32	08/13/12 23:39	10
Dieldrin	ND		0.50	0.097	ug/L		08/10/12 14:32	08/13/12 23:39	10
Endosulfan I	ND		0.50	0.11	ug/L		08/10/12 14:32	08/13/12 23:39	10
Endosulfan II	ND		0.50	0.12	ug/L		08/10/12 14:32	08/13/12 23:39	10
Endosulfan sulfate	ND		0.50	0.16	ug/L		08/10/12 14:32	08/13/12 23:39	10
Endrin	ND		0.50	0.14	ug/L		08/10/12 14:32	08/13/12 23:39	10
Endrin aldehyde	ND		0.50	0.16	ug/L		08/10/12 14:32	08/13/12 23:39	10
Endrin ketone	ND		0.50	0.12	ug/L		08/10/12 14:32	08/13/12 23:39	10
gamma-BHC (Lindane)	ND		0.50	0.059	ug/L		08/10/12 14:32	08/13/12 23:39	10
gamma-Chlordane	ND		0.50	0.11	ug/L		08/10/12 14:32	08/13/12 23:39	10
Heptachlor	ND		0.50	0.084	ug/L		08/10/12 14:32	08/13/12 23:39	10
Heptachlor epoxide	ND		0.50	0.052	ug/L		08/10/12 14:32	08/13/12 23:39	10
Methoxychlor	ND		0.50	0.14	ug/L		08/10/12 14:32	08/13/12 23:39	10
Toxaphene	ND		5.0	1.2	ug/L		08/10/12 14:32	08/13/12 23:39	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	0	X	16 - 120	08/10/12 14:32	08/13/12 23:39	10
Tetrachloro-m-xylene	130	X	35 - 120	08/10/12 14:32	08/13/12 23:39	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	1.7		0.50	0.18	ug/L		08/14/12 14:14	08/17/12 20:02	1
PCB-1221	ND		0.50	0.18	ug/L		08/14/12 14:14	08/17/12 20:02	1
PCB-1232	ND		0.50	0.18	ug/L		08/14/12 14:14	08/17/12 20:02	1

Client Sample Results

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

TestAmerica Job ID: 480-23637-1

Client Sample ID: S-4

Lab Sample ID: 480-23637-4

Date Collected: 08/08/12 10:15

Matrix: Water

Date Received: 08/08/12 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1242	ND		0.50	0.18	ug/L		08/14/12 14:14	08/17/12 20:02	1
PCB-1248	ND		0.50	0.18	ug/L		08/14/12 14:14	08/17/12 20:02	1
PCB-1254	ND		0.50	0.25	ug/L		08/14/12 14:14	08/17/12 20:02	1
PCB-1260	ND		0.50	0.25	ug/L		08/14/12 14:14	08/17/12 20:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	58		19 - 120				08/14/12 14:14	08/17/12 20:02	1
Tetrachloro-m-xylene	86		23 - 127				08/14/12 14:14	08/17/12 20:02	1

Method: 6010B_ASP - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.50		0.20	0.060	mg/L		08/09/12 10:10	08/09/12 18:41	1
Antimony	ND		0.020	0.0068	mg/L		08/09/12 10:10	08/09/12 18:41	1
Arsenic	0.0088	J	0.010	0.0056	mg/L		08/09/12 10:10	08/09/12 18:41	1
Barium	0.023	B	0.0020	0.00070	mg/L		08/09/12 10:10	08/09/12 18:41	1
Beryllium	ND		0.0020	0.00030	mg/L		08/09/12 10:10	08/09/12 18:41	1
Cadmium	ND		0.0010	0.00050	mg/L		08/09/12 10:10	08/09/12 18:41	1
Calcium	93.2		0.50	0.10	mg/L		08/09/12 10:10	08/09/12 18:41	1
Chromium	ND		0.0040	0.0010	mg/L		08/09/12 10:10	08/09/12 18:41	1
Cobalt	ND		0.0040	0.00063	mg/L		08/09/12 10:10	08/09/12 18:41	1
Copper	0.0022	J	0.010	0.0016	mg/L		08/09/12 10:10	08/09/12 18:41	1
Iron	0.72		0.050	0.019	mg/L		08/09/12 10:10	08/09/12 18:41	1
Lead	ND		0.0050	0.0030	mg/L		08/09/12 10:10	08/09/12 18:41	1
Magnesium	0.97		0.20	0.043	mg/L		08/09/12 10:10	08/09/12 18:41	1
Manganese	0.10		0.0030	0.00040	mg/L		08/09/12 10:10	08/09/12 18:41	1
Nickel	ND		0.010	0.0013	mg/L		08/09/12 10:10	08/09/12 18:41	1
Potassium	51.2		0.50	0.10	mg/L		08/09/12 10:10	08/09/12 18:41	1
Selenium	ND		0.015	0.0087	mg/L		08/09/12 10:10	08/09/12 18:41	1
Silver	ND		0.0030	0.0017	mg/L		08/09/12 10:10	08/09/12 18:41	1
Sodium	50.4		1.0	0.32	mg/L		08/09/12 10:10	08/09/12 18:41	1
Thallium	ND		0.020	0.010	mg/L		08/09/12 10:10	08/09/12 18:41	1
Vanadium	0.011		0.0050	0.0015	mg/L		08/09/12 10:10	08/09/12 18:41	1
Zinc	0.0036	J	0.010	0.0015	mg/L		08/09/12 10:10	08/09/12 18:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Cyanide	ND		0.010	0.0050	mg/L		08/10/12 11:00	08/11/12 09:43	1

Client Sample ID: DUP

Lab Sample ID: 480-23637-5

Date Collected: 08/08/12 11:10

Matrix: Water

Date Received: 08/08/12 09:00

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			08/15/12 19:29	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/15/12 19:29	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/15/12 19:29	1
1,1-Dichloroethane	1.0		1.0	0.38	ug/L			08/15/12 19:29	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/15/12 19:29	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/15/12 19:29	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/15/12 19:29	1
2-Hexanone	ND		5.0	1.2	ug/L			08/15/12 19:29	1

Client Sample Results

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

TestAmerica Job ID: 480-23637-1

Client Sample ID: DUP

Lab Sample ID: 480-23637-5

Date Collected: 08/08/12 11:10

Matrix: Water

Date Received: 08/08/12 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		10	1.3	ug/L			08/15/12 19:29	1
1,2-Dichloroethene, Total	ND		2.0	0.70	ug/L			08/15/12 19:29	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/15/12 19:29	1
Acetone	3.8	J	10	3.0	ug/L			08/15/12 19:29	1
Benzene	0.42	J	1.0	0.41	ug/L			08/15/12 19:29	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/15/12 19:29	1
Bromoform	ND		1.0	0.26	ug/L			08/15/12 19:29	1
Bromomethane	ND		1.0	0.69	ug/L			08/15/12 19:29	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/15/12 19:29	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/15/12 19:29	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/15/12 19:29	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/15/12 19:29	1
Chloroethane	ND		1.0	0.32	ug/L			08/15/12 19:29	1
Chloroform	ND		1.0	0.34	ug/L			08/15/12 19:29	1
Chloromethane	ND		1.0	0.35	ug/L			08/15/12 19:29	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/15/12 19:29	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/15/12 19:29	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/15/12 19:29	1
Styrene	ND		1.0	0.73	ug/L			08/15/12 19:29	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/15/12 19:29	1
Toluene	ND		1.0	0.51	ug/L			08/15/12 19:29	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/15/12 19:29	1
Trichloroethene	ND		1.0	0.46	ug/L			08/15/12 19:29	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/15/12 19:29	1
Xylenes, Total	0.70	J	2.0	0.66	ug/L			08/15/12 19:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		66 - 137		08/15/12 19:29	1
Toluene-d8 (Surr)	96		71 - 126		08/15/12 19:29	1
4-Bromofluorobenzene (Surr)	100		73 - 120		08/15/12 19:29	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		08/10/12 08:14	08/14/12 03:02	1
1,2,4-Trichlorobenzene	ND		9.8	0.43	ug/L		08/10/12 08:14	08/14/12 03:02	1
2,4,5-Trichlorophenol	ND		4.9	0.47	ug/L		08/10/12 08:14	08/14/12 03:02	1
1,2-Dichlorobenzene	ND		9.8	0.39	ug/L		08/10/12 08:14	08/14/12 03:02	1
2,4,6-Trichlorophenol	ND		4.9	0.60	ug/L		08/10/12 08:14	08/14/12 03:02	1
2,4-Dichlorophenol	ND		4.9	0.50	ug/L		08/10/12 08:14	08/14/12 03:02	1
2,4-Dimethylphenol	22		4.9	0.49	ug/L		08/10/12 08:14	08/14/12 03:02	1
1,3-Dichlorobenzene	ND		9.8	0.47	ug/L		08/10/12 08:14	08/14/12 03:02	1
2,4-Dinitrophenol	ND		9.8	2.2	ug/L		08/10/12 08:14	08/14/12 03:02	1
2,4-Dinitrotoluene	ND		4.9	0.44	ug/L		08/10/12 08:14	08/14/12 03:02	1
1,4-Dichlorobenzene	ND		9.8	0.45	ug/L		08/10/12 08:14	08/14/12 03:02	1
2,6-Dinitrotoluene	ND		4.9	0.39	ug/L		08/10/12 08:14	08/14/12 03:02	1
2-Chloronaphthalene	ND		4.9	0.45	ug/L		08/10/12 08:14	08/14/12 03:02	1
2-Chlorophenol	ND		4.9	0.52	ug/L		08/10/12 08:14	08/14/12 03:02	1
2-Methylnaphthalene	1.7	J	4.9	0.59	ug/L		08/10/12 08:14	08/14/12 03:02	1
2-Methylphenol	ND		4.9	0.39	ug/L		08/10/12 08:14	08/14/12 03:02	1
2-Nitroaniline	ND		9.8	0.41	ug/L		08/10/12 08:14	08/14/12 03:02	1
2-Nitrophenol	ND		4.9	0.47	ug/L		08/10/12 08:14	08/14/12 03:02	1

Client Sample Results

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

TestAmerica Job ID: 480-23637-1

Client Sample ID: DUP

Lab Sample ID: 480-23637-5

Date Collected: 08/08/12 11:10

Matrix: Water

Date Received: 08/08/12 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3,3'-Dichlorobenzidine	ND		4.9	0.39	ug/L		08/10/12 08:14	08/14/12 03:02	1
3-Nitroaniline	ND		9.8	0.47	ug/L		08/10/12 08:14	08/14/12 03:02	1
4,6-Dinitro-2-methylphenol	ND		9.8	2.1	ug/L		08/10/12 08:14	08/14/12 03:02	1
4-Bromophenyl phenyl ether	ND		4.9	0.44	ug/L		08/10/12 08:14	08/14/12 03:02	1
4-Chloro-3-methylphenol	ND		4.9	0.44	ug/L		08/10/12 08:14	08/14/12 03:02	1
4-Chloroaniline	ND		4.9	0.58	ug/L		08/10/12 08:14	08/14/12 03:02	1
4-Chlorophenyl phenyl ether	ND		4.9	0.34	ug/L		08/10/12 08:14	08/14/12 03:02	1
4-Methylphenol	6.0	J	9.8	0.35	ug/L		08/10/12 08:14	08/14/12 03:02	1
4-Nitroaniline	ND		9.8	0.24	ug/L		08/10/12 08:14	08/14/12 03:02	1
4-Nitrophenol	ND		9.8	1.5	ug/L		08/10/12 08:14	08/14/12 03:02	1
Acenaphthene	0.90	J	4.9	0.40	ug/L		08/10/12 08:14	08/14/12 03:02	1
Acenaphthylene	ND		4.9	0.37	ug/L		08/10/12 08:14	08/14/12 03:02	1
Anthracene	0.43	J	4.9	0.27	ug/L		08/10/12 08:14	08/14/12 03:02	1
Benzo[a]anthracene	ND		4.9	0.35	ug/L		08/10/12 08:14	08/14/12 03:02	1
Benzo[a]pyrene	ND		4.9	0.46	ug/L		08/10/12 08:14	08/14/12 03:02	1
Benzo[b]fluoranthene	ND		4.9	0.33	ug/L		08/10/12 08:14	08/14/12 03:02	1
Benzo[g,h,i]perylene	ND		4.9	0.34	ug/L		08/10/12 08:14	08/14/12 03:02	1
Benzo[k]fluoranthene	ND		4.9	0.71	ug/L		08/10/12 08:14	08/14/12 03:02	1
Bis(2-chloroethoxy)methane	ND		4.9	0.34	ug/L		08/10/12 08:14	08/14/12 03:02	1
Bis(2-chloroethyl)ether	ND		4.9	0.39	ug/L		08/10/12 08:14	08/14/12 03:02	1
Bis(2-ethylhexyl) phthalate	ND		4.9	1.8	ug/L		08/10/12 08:14	08/14/12 03:02	1
Butyl benzyl phthalate	ND		4.9	0.41	ug/L		08/10/12 08:14	08/14/12 03:02	1
Carbazole	0.88	J	4.9	0.29	ug/L		08/10/12 08:14	08/14/12 03:02	1
Chrysene	ND		4.9	0.32	ug/L		08/10/12 08:14	08/14/12 03:02	1
Di-n-butyl phthalate	1.3	J	4.9	0.30	ug/L		08/10/12 08:14	08/14/12 03:02	1
Di-n-octyl phthalate	ND		4.9	0.46	ug/L		08/10/12 08:14	08/14/12 03:02	1
Dibenz(a,h)anthracene	ND		4.9	0.41	ug/L		08/10/12 08:14	08/14/12 03:02	1
Dibenzofuran	ND		9.8	0.50	ug/L		08/10/12 08:14	08/14/12 03:02	1
Diethyl phthalate	ND		4.9	0.21	ug/L		08/10/12 08:14	08/14/12 03:02	1
Dimethyl phthalate	7.2		4.9	0.35	ug/L		08/10/12 08:14	08/14/12 03:02	1
Fluoranthene	0.40	J	4.9	0.39	ug/L		08/10/12 08:14	08/14/12 03:02	1
Fluorene	0.61	J	4.9	0.35	ug/L		08/10/12 08:14	08/14/12 03:02	1
Hexachlorobenzene	ND		4.9	0.50	ug/L		08/10/12 08:14	08/14/12 03:02	1
Hexachlorobutadiene	ND		4.9	0.66	ug/L		08/10/12 08:14	08/14/12 03:02	1
Hexachlorocyclopentadiene	ND		4.9	0.58	ug/L		08/10/12 08:14	08/14/12 03:02	1
Hexachloroethane	ND		4.9	0.58	ug/L		08/10/12 08:14	08/14/12 03:02	1
Indeno[1,2,3-cd]pyrene	ND		4.9	0.46	ug/L		08/10/12 08:14	08/14/12 03:02	1
Isophorone	ND		4.9	0.42	ug/L		08/10/12 08:14	08/14/12 03:02	1
N-Nitrosodi-n-propylamine	ND		4.9	0.53	ug/L		08/10/12 08:14	08/14/12 03:02	1
N-Nitrosodiphenylamine	ND	*	4.9	0.50	ug/L		08/10/12 08:14	08/14/12 03:02	1
Naphthalene	1.8	J	4.9	0.74	ug/L		08/10/12 08:14	08/14/12 03:02	1
Nitrobenzene	ND		4.9	0.28	ug/L		08/10/12 08:14	08/14/12 03:02	1
Pentachlorophenol	ND		9.8	2.1	ug/L		08/10/12 08:14	08/14/12 03:02	1
Phenanthrene	0.59	J	4.9	0.43	ug/L		08/10/12 08:14	08/14/12 03:02	1
Phenol	ND		4.9	0.38	ug/L		08/10/12 08:14	08/14/12 03:02	1
Pyrene	0.46	J	4.9	0.33	ug/L		08/10/12 08:14	08/14/12 03:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	112		52 - 132				08/10/12 08:14	08/14/12 03:02	1
2-Fluorobiphenyl	84		48 - 120				08/10/12 08:14	08/14/12 03:02	1
2-Fluorophenol	47		20 - 120				08/10/12 08:14	08/14/12 03:02	1

Client Sample Results

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

TestAmerica Job ID: 480-23637-1

Client Sample ID: DUP

Lab Sample ID: 480-23637-5

Date Collected: 08/08/12 11:10

Matrix: Water

Date Received: 08/08/12 09:00

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	86		46 - 120	08/10/12 08:14	08/14/12 03:02	1
p-Terphenyl-d14	61	X	67 - 150	08/10/12 08:14	08/14/12 03:02	1
Phenol-d5	32		16 - 120	08/10/12 08:14	08/14/12 03:02	1

Method: 8081A_ASP - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		2.5	0.45	ug/L		08/10/12 14:32	08/14/12 00:21	50
4,4'-DDE	ND		2.5	0.57	ug/L		08/10/12 14:32	08/14/12 00:21	50
4,4'-DDT	ND		2.5	0.54	ug/L		08/10/12 14:32	08/14/12 00:21	50
Aldrin	ND		2.5	0.32	ug/L		08/10/12 14:32	08/14/12 00:21	50
alpha-BHC	ND		2.5	0.32	ug/L		08/10/12 14:32	08/14/12 00:21	50
alpha-Chlordane	ND		2.5	0.73	ug/L		08/10/12 14:32	08/14/12 00:21	50
beta-BHC	ND		2.5	1.2	ug/L		08/10/12 14:32	08/14/12 00:21	50
delta-BHC	ND		2.5	0.49	ug/L		08/10/12 14:32	08/14/12 00:21	50
Dieldrin	ND		2.5	0.48	ug/L		08/10/12 14:32	08/14/12 00:21	50
Endosulfan I	ND		2.5	0.54	ug/L		08/10/12 14:32	08/14/12 00:21	50
Endosulfan II	ND		2.5	0.59	ug/L		08/10/12 14:32	08/14/12 00:21	50
Endosulfan sulfate	ND		2.5	0.77	ug/L		08/10/12 14:32	08/14/12 00:21	50
Endrin	ND		2.5	0.68	ug/L		08/10/12 14:32	08/14/12 00:21	50
Endrin aldehyde	ND		2.5	0.80	ug/L		08/10/12 14:32	08/14/12 00:21	50
Endrin ketone	ND		2.5	0.59	ug/L		08/10/12 14:32	08/14/12 00:21	50
gamma-BHC (Lindane)	ND		2.5	0.29	ug/L		08/10/12 14:32	08/14/12 00:21	50
gamma-Chlordane	ND		2.5	0.54	ug/L		08/10/12 14:32	08/14/12 00:21	50
Heptachlor	ND		2.5	0.42	ug/L		08/10/12 14:32	08/14/12 00:21	50
Heptachlor epoxide	ND		2.5	0.26	ug/L		08/10/12 14:32	08/14/12 00:21	50
Methoxychlor	ND		2.5	0.69	ug/L		08/10/12 14:32	08/14/12 00:21	50
Toxaphene	ND		25	5.9	ug/L		08/10/12 14:32	08/14/12 00:21	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	0	X	16 - 120	08/10/12 14:32	08/14/12 00:21	50
Tetrachloro-m-xylene	0	X	35 - 120	08/10/12 14:32	08/14/12 00:21	50

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		08/14/12 14:14	08/17/12 20:18	1
PCB-1221	ND		0.49	0.17	ug/L		08/14/12 14:14	08/17/12 20:18	1
PCB-1232	ND		0.49	0.17	ug/L		08/14/12 14:14	08/17/12 20:18	1
PCB-1242	ND		0.49	0.17	ug/L		08/14/12 14:14	08/17/12 20:18	1
PCB-1248	0.35	J	0.49	0.17	ug/L		08/14/12 14:14	08/17/12 20:18	1
PCB-1254	ND		0.49	0.24	ug/L		08/14/12 14:14	08/17/12 20:18	1
PCB-1260	ND		0.49	0.24	ug/L		08/14/12 14:14	08/17/12 20:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	32		19 - 120	08/14/12 14:14	08/17/12 20:18	1
Tetrachloro-m-xylene	89		23 - 127	08/14/12 14:14	08/17/12 20:18	1

Method: 6010B_ASP - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.45		0.20	0.060	mg/L		08/09/12 10:10	08/09/12 18:43	1
Antimony	ND		0.020	0.0068	mg/L		08/09/12 10:10	08/09/12 18:43	1
Arsenic	ND		0.010	0.0056	mg/L		08/09/12 10:10	08/09/12 18:43	1
Barium	0.11	B	0.0020	0.00070	mg/L		08/09/12 10:10	08/09/12 18:43	1

Client Sample Results

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

TestAmerica Job ID: 480-23637-1

Client Sample ID: DUP

Lab Sample ID: 480-23637-5

Date Collected: 08/08/12 11:10

Matrix: Water

Date Received: 08/08/12 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	ND		0.0020	0.00030	mg/L		08/09/12 10:10	08/09/12 18:43	1
Cadmium	ND		0.0010	0.00050	mg/L		08/09/12 10:10	08/09/12 18:43	1
Calcium	64.2		0.50	0.10	mg/L		08/09/12 10:10	08/09/12 18:43	1
Chromium	0.0021	J	0.0040	0.0010	mg/L		08/09/12 10:10	08/09/12 18:43	1
Cobalt	ND		0.0040	0.00063	mg/L		08/09/12 10:10	08/09/12 18:43	1
Copper	0.0080	J	0.010	0.0016	mg/L		08/09/12 10:10	08/09/12 18:43	1
Iron	3.3		0.050	0.019	mg/L		08/09/12 10:10	08/09/12 18:43	1
Lead	ND		0.0050	0.0030	mg/L		08/09/12 10:10	08/09/12 18:43	1
Magnesium	7.1		0.20	0.043	mg/L		08/09/12 10:10	08/09/12 18:43	1
Manganese	0.42		0.0030	0.00040	mg/L		08/09/12 10:10	08/09/12 18:43	1
Nickel	0.0027	J	0.010	0.0013	mg/L		08/09/12 10:10	08/09/12 18:43	1
Potassium	27.0		0.50	0.10	mg/L		08/09/12 10:10	08/09/12 18:43	1
Selenium	ND		0.015	0.0087	mg/L		08/09/12 10:10	08/09/12 18:43	1
Silver	ND		0.0030	0.0017	mg/L		08/09/12 10:10	08/09/12 18:43	1
Sodium	61.5		1.0	0.32	mg/L		08/09/12 10:10	08/09/12 18:43	1
Thallium	ND		0.020	0.010	mg/L		08/09/12 10:10	08/09/12 18:43	1
Vanadium	0.0082		0.0050	0.0015	mg/L		08/09/12 10:10	08/09/12 18:43	1
Zinc	0.022		0.010	0.0015	mg/L		08/09/12 10:10	08/09/12 18:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Cyanide	0.027		0.010	0.0050	mg/L		08/10/12 11:00	08/11/12 09:44	1

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-23637-6

Date Collected: 08/08/12 00:00

Matrix: Water

Date Received: 08/08/12 09:00

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			08/15/12 09:40	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/15/12 09:40	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/15/12 09:40	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/15/12 09:40	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/15/12 09:40	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/15/12 09:40	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/15/12 09:40	1
2-Hexanone	ND		5.0	1.2	ug/L			08/15/12 09:40	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/15/12 09:40	1
1,2-Dichloroethene, Total	ND		2.0	0.70	ug/L			08/15/12 09:40	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/15/12 09:40	1
Acetone	ND		10	3.0	ug/L			08/15/12 09:40	1
Benzene	ND		1.0	0.41	ug/L			08/15/12 09:40	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/15/12 09:40	1
Bromoform	ND		1.0	0.26	ug/L			08/15/12 09:40	1
Bromomethane	ND		1.0	0.69	ug/L			08/15/12 09:40	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/15/12 09:40	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/15/12 09:40	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/15/12 09:40	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/15/12 09:40	1
Chloroethane	ND		1.0	0.32	ug/L			08/15/12 09:40	1
Chloroform	ND		1.0	0.34	ug/L			08/15/12 09:40	1

Client Sample Results

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

TestAmerica Job ID: 480-23637-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-23637-6

Date Collected: 08/08/12 00:00

Matrix: Water

Date Received: 08/08/12 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		1.0	0.35	ug/L			08/15/12 09:40	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/15/12 09:40	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/15/12 09:40	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/15/12 09:40	1
Styrene	ND		1.0	0.73	ug/L			08/15/12 09:40	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/15/12 09:40	1
Toluene	ND		1.0	0.51	ug/L			08/15/12 09:40	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/15/12 09:40	1
Trichloroethene	ND		1.0	0.46	ug/L			08/15/12 09:40	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/15/12 09:40	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/15/12 09:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		66 - 137		08/15/12 09:40	1
Toluene-d8 (Surr)	94		71 - 126		08/15/12 09:40	1
4-Bromofluorobenzene (Surr)	91		73 - 120		08/15/12 09:40	1

Surrogate Summary

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

TestAmerica Job ID: 480-23637-1

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		12DCE (66-137)	TOL (71-126)	BFB (73-120)
480-23637-1	S-1	99	99	99
480-23637-2	S-2	100	96	99
480-23637-3	S-3	97	99	101
480-23637-3 MS	S-3	96	96	97
480-23637-3 MSD	S-3	96	98	100
480-23637-4	S-4	97	96	100
480-23637-5	DUP	96	96	100
480-23637-6	TRIP BLANK	97	94	91
LCS 480-76577/5	Lab Control Sample	98	97	91
LCS 480-76665/4	Lab Control Sample	94	98	98
MB 480-76577/6	Method Blank	102	96	88
MB 480-76665/5	Method Blank	97	96	98

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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (52-132)	FBP (48-120)	2FP (20-120)	NBZ (46-120)	TPH (67-150)	PHL (16-120)
480-23637-1	S-1	117	95	37	85	55 X	32
480-23637-2	S-2	117	79	42	77	69	29
480-23637-3	S-3	114	88	37	77	96	27
480-23637-4	S-4	108	85	35	76	93	26
480-23637-5	DUP	112	84	47	86	61 X	32
LCS 480-76017/2-A	Lab Control Sample	115	93	45	86	127	37
MB 480-76017/1-A	Method Blank	118	81	39	74	125	30

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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		DCB1 (16-120)	TCX1 (35-120)
480-23637-1	S-1	0 X	0 X
480-23637-2	S-2	0 X	0 X
480-23637-3	S-3	0 X	116
480-23637-4	S-4	0 X	130 X
480-23637-5	DUP	0 X	0 X

Surrogate Summary

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

TestAmerica Job ID: 480-23637-1

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

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DCB1 (16-120)	TCX1 (35-120)
LCS 480-76146/2-A	Lab Control Sample	40	72
MB 480-76146/1-A	Method Blank	42	69

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)

Lab Sample ID	Client Sample ID	DCB1 (19-120)	TCX1 (23-127)
480-23637-1	S-1	26	45
480-23637-2	S-2	20	73
480-23637-3	S-3	43	83
480-23637-4	S-4	58	86
480-23637-5	DUP	32	89
LCS 480-76525/2-A	Lab Control Sample	43	72
MB 480-76525/1-A	Method Blank	52	68

Surrogate Legend

DCB = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

QC Sample Results

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

TestAmerica Job ID: 480-23637-1

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

Lab Sample ID: MB 480-76577/6

Matrix: Water

Analysis Batch: 76577

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			08/15/12 02:16	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/15/12 02:16	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/15/12 02:16	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/15/12 02:16	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/15/12 02:16	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/15/12 02:16	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/15/12 02:16	1
2-Hexanone	ND		5.0	1.2	ug/L			08/15/12 02:16	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/15/12 02:16	1
1,2-Dichloroethene, Total	ND		2.0	0.70	ug/L			08/15/12 02:16	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/15/12 02:16	1
Acetone	ND		10	3.0	ug/L			08/15/12 02:16	1
Benzene	ND		1.0	0.41	ug/L			08/15/12 02:16	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/15/12 02:16	1
Bromoform	ND		1.0	0.26	ug/L			08/15/12 02:16	1
Bromomethane	ND		1.0	0.69	ug/L			08/15/12 02:16	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/15/12 02:16	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/15/12 02:16	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/15/12 02:16	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/15/12 02:16	1
Chloroethane	ND		1.0	0.32	ug/L			08/15/12 02:16	1
Chloroform	ND		1.0	0.34	ug/L			08/15/12 02:16	1
Chloromethane	ND		1.0	0.35	ug/L			08/15/12 02:16	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/15/12 02:16	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/15/12 02:16	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/15/12 02:16	1
Styrene	ND		1.0	0.73	ug/L			08/15/12 02:16	1
Tetrachloroethene	0.440	J	1.0	0.36	ug/L			08/15/12 02:16	1
Toluene	ND		1.0	0.51	ug/L			08/15/12 02:16	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/15/12 02:16	1
Trichloroethene	ND		1.0	0.46	ug/L			08/15/12 02:16	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/15/12 02:16	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/15/12 02:16	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		66 - 137		08/15/12 02:16	1
Toluene-d8 (Surr)	96		71 - 126		08/15/12 02:16	1
4-Bromofluorobenzene (Surr)	88		73 - 120		08/15/12 02:16	1

Lab Sample ID: LCS 480-76577/5

Matrix: Water

Analysis Batch: 76577

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	22.2		ug/L		89	71 - 129
1,1-Dichloroethene	25.0	18.0		ug/L		72	65 - 138
1,2-Dichloroethane	25.0	24.9		ug/L		100	75 - 127
Benzene	25.0	22.1		ug/L		88	71 - 124
Chlorobenzene	25.0	23.6		ug/L		94	72 - 120

QC Sample Results

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

TestAmerica Job ID: 480-23637-1

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

Lab Sample ID: LCS 480-76577/5

Matrix: Water

Analysis Batch: 76577

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	25.0	22.5		ug/L		90	77 - 123
Tetrachloroethene	25.0	24.0		ug/L		96	74 - 122
Toluene	25.0	22.5		ug/L		90	70 - 122
Trichloroethene	25.0	21.7		ug/L		87	74 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	98		66 - 137
Toluene-d8 (Surr)	97		71 - 126
4-Bromofluorobenzene (Surr)	91		73 - 120

Lab Sample ID: MB 480-76665/5

Matrix: Water

Analysis Batch: 76665

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			08/15/12 14:13	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/15/12 14:13	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/15/12 14:13	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/15/12 14:13	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/15/12 14:13	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/15/12 14:13	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/15/12 14:13	1
2-Hexanone	ND		5.0	1.2	ug/L			08/15/12 14:13	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/15/12 14:13	1
1,2-Dichloroethene, Total	ND		2.0	0.70	ug/L			08/15/12 14:13	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/15/12 14:13	1
Acetone	ND		10	3.0	ug/L			08/15/12 14:13	1
Benzene	ND		1.0	0.41	ug/L			08/15/12 14:13	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/15/12 14:13	1
Bromoform	ND		1.0	0.26	ug/L			08/15/12 14:13	1
Bromomethane	ND		1.0	0.69	ug/L			08/15/12 14:13	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/15/12 14:13	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/15/12 14:13	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/15/12 14:13	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/15/12 14:13	1
Chloroethane	ND		1.0	0.32	ug/L			08/15/12 14:13	1
Chloroform	ND		1.0	0.34	ug/L			08/15/12 14:13	1
Chloromethane	ND		1.0	0.35	ug/L			08/15/12 14:13	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/15/12 14:13	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/15/12 14:13	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/15/12 14:13	1
Styrene	ND		1.0	0.73	ug/L			08/15/12 14:13	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/15/12 14:13	1
Toluene	ND		1.0	0.51	ug/L			08/15/12 14:13	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/15/12 14:13	1
Trichloroethene	ND		1.0	0.46	ug/L			08/15/12 14:13	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/15/12 14:13	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/15/12 14:13	1

QC Sample Results

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

TestAmerica Job ID: 480-23637-1

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

Lab Sample ID: MB 480-76665/5

Matrix: Water

Analysis Batch: 76665

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		66 - 137		08/15/12 14:13	1
Toluene-d8 (Surr)	96		71 - 126		08/15/12 14:13	1
4-Bromofluorobenzene (Surr)	98		73 - 120		08/15/12 14:13	1

Lab Sample ID: LCS 480-76665/4

Matrix: Water

Analysis Batch: 76665

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	24.9		ug/L		100	71 - 129
1,1-Dichloroethene	25.0	21.5		ug/L		86	65 - 138
1,2-Dichloroethane	25.0	27.9		ug/L		112	75 - 127
Benzene	25.0	25.3		ug/L		101	71 - 124
Chlorobenzene	25.0	27.2		ug/L		109	72 - 120
Ethylbenzene	25.0	26.8		ug/L		107	77 - 123
Tetrachloroethene	25.0	28.9		ug/L		116	74 - 122
Toluene	25.0	26.4		ug/L		106	70 - 122
Trichloroethene	25.0	25.3		ug/L		101	74 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	94		66 - 137
Toluene-d8 (Surr)	98		71 - 126
4-Bromofluorobenzene (Surr)	98		73 - 120

Lab Sample ID: 480-23637-3 MS

Matrix: Water

Analysis Batch: 76665

Client Sample ID: S-3

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	2.2		25.0	29.8		ug/L		110	71 - 129
1,1-Dichloroethene	ND		25.0	23.9		ug/L		96	65 - 138
1,2-Dichloroethane	ND		25.0	30.8		ug/L		123	75 - 127
Benzene	0.50	J	25.0	27.9		ug/L		110	71 - 124
Chlorobenzene	ND		25.0	29.3		ug/L		117	72 - 120
Ethylbenzene	ND		25.0	29.5		ug/L		118	77 - 123
Tetrachloroethene	0.49	J	25.0	32.2	F	ug/L		127	74 - 122
Toluene	0.94	J	25.0	29.6		ug/L		114	70 - 122
Trichloroethene	ND		25.0	28.3		ug/L		113	74 - 123

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	96		66 - 137
Toluene-d8 (Surr)	96		71 - 126
4-Bromofluorobenzene (Surr)	97		73 - 120

QC Sample Results

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

TestAmerica Job ID: 480-23637-1

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

Lab Sample ID: 480-23637-3 MSD

Matrix: Water

Analysis Batch: 76665

Client Sample ID: S-3

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	2.2		25.0	29.6		ug/L		110	71 - 129	1	20
1,1-Dichloroethene	ND		25.0	24.1		ug/L		97	65 - 138	1	16
1,2-Dichloroethane	ND		25.0	30.0		ug/L		120	75 - 127	3	20
Benzene	0.50	J	25.0	28.1		ug/L		110	71 - 124	1	13
Chlorobenzene	ND		25.0	30.0		ug/L		120	72 - 120	2	25
Ethylbenzene	ND		25.0	30.3		ug/L		121	77 - 123	3	15
Tetrachloroethene	0.49	J	25.0	33.3	F	ug/L		131	74 - 122	3	20
Toluene	0.94	J	25.0	30.1		ug/L		117	70 - 122	2	15
Trichloroethene	ND		25.0	28.7		ug/L		115	74 - 123	1	16
MSD MSD											
Surrogate	%Recovery	Qualifier	Limits								
1,2-Dichloroethane-d4 (Surr)	96		66 - 137								
Toluene-d8 (Surr)	98		71 - 126								
4-Bromofluorobenzene (Surr)	100		73 - 120								

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

Lab Sample ID: MB 480-76017/1-A

Matrix: Water

Analysis Batch: 76373

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 76017

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		08/10/12 08:14	08/13/12 21:31	1
1,2,4-Trichlorobenzene	ND		10	0.44	ug/L		08/10/12 08:14	08/13/12 21:31	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		08/10/12 08:14	08/13/12 21:31	1
1,2-Dichlorobenzene	ND		10	0.40	ug/L		08/10/12 08:14	08/13/12 21:31	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		08/10/12 08:14	08/13/12 21:31	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		08/10/12 08:14	08/13/12 21:31	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		08/10/12 08:14	08/13/12 21:31	1
1,3-Dichlorobenzene	ND		10	0.48	ug/L		08/10/12 08:14	08/13/12 21:31	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		08/10/12 08:14	08/13/12 21:31	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		08/10/12 08:14	08/13/12 21:31	1
1,4-Dichlorobenzene	ND		10	0.46	ug/L		08/10/12 08:14	08/13/12 21:31	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		08/10/12 08:14	08/13/12 21:31	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		08/10/12 08:14	08/13/12 21:31	1
2-Chlorophenol	ND		5.0	0.53	ug/L		08/10/12 08:14	08/13/12 21:31	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		08/10/12 08:14	08/13/12 21:31	1
2-Methylphenol	ND		5.0	0.40	ug/L		08/10/12 08:14	08/13/12 21:31	1
2-Nitroaniline	ND		10	0.42	ug/L		08/10/12 08:14	08/13/12 21:31	1
2-Nitrophenol	ND		5.0	0.48	ug/L		08/10/12 08:14	08/13/12 21:31	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		08/10/12 08:14	08/13/12 21:31	1
3-Nitroaniline	ND		10	0.48	ug/L		08/10/12 08:14	08/13/12 21:31	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		08/10/12 08:14	08/13/12 21:31	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		08/10/12 08:14	08/13/12 21:31	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		08/10/12 08:14	08/13/12 21:31	1
4-Chloroaniline	ND		5.0	0.59	ug/L		08/10/12 08:14	08/13/12 21:31	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		08/10/12 08:14	08/13/12 21:31	1
4-Methylphenol	ND		10	0.36	ug/L		08/10/12 08:14	08/13/12 21:31	1
4-Nitroaniline	ND		10	0.25	ug/L		08/10/12 08:14	08/13/12 21:31	1

QC Sample Results

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

TestAmerica Job ID: 480-23637-1

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

Lab Sample ID: MB 480-76017/1-A

Matrix: Water

Analysis Batch: 76373

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 76017

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	ND		10	1.5	ug/L		08/10/12 08:14	08/13/12 21:31	1
Acenaphthene	ND		5.0	0.41	ug/L		08/10/12 08:14	08/13/12 21:31	1
Acenaphthylene	ND		5.0	0.38	ug/L		08/10/12 08:14	08/13/12 21:31	1
Anthracene	ND		5.0	0.28	ug/L		08/10/12 08:14	08/13/12 21:31	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		08/10/12 08:14	08/13/12 21:31	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		08/10/12 08:14	08/13/12 21:31	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		08/10/12 08:14	08/13/12 21:31	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		08/10/12 08:14	08/13/12 21:31	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		08/10/12 08:14	08/13/12 21:31	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		08/10/12 08:14	08/13/12 21:31	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		08/10/12 08:14	08/13/12 21:31	1
Bis(2-ethylhexyl) phthalate	ND		5.0	1.8	ug/L		08/10/12 08:14	08/13/12 21:31	1
Butyl benzyl phthalate	ND		5.0	0.42	ug/L		08/10/12 08:14	08/13/12 21:31	1
Carbazole	ND		5.0	0.30	ug/L		08/10/12 08:14	08/13/12 21:31	1
Chrysene	ND		5.0	0.33	ug/L		08/10/12 08:14	08/13/12 21:31	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		08/10/12 08:14	08/13/12 21:31	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		08/10/12 08:14	08/13/12 21:31	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		08/10/12 08:14	08/13/12 21:31	1
Dibenzofuran	ND		10	0.51	ug/L		08/10/12 08:14	08/13/12 21:31	1
Diethyl phthalate	ND		5.0	0.22	ug/L		08/10/12 08:14	08/13/12 21:31	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		08/10/12 08:14	08/13/12 21:31	1
Fluoranthene	ND		5.0	0.40	ug/L		08/10/12 08:14	08/13/12 21:31	1
Fluorene	ND		5.0	0.36	ug/L		08/10/12 08:14	08/13/12 21:31	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		08/10/12 08:14	08/13/12 21:31	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		08/10/12 08:14	08/13/12 21:31	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		08/10/12 08:14	08/13/12 21:31	1
Hexachloroethane	ND		5.0	0.59	ug/L		08/10/12 08:14	08/13/12 21:31	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		08/10/12 08:14	08/13/12 21:31	1
Isophorone	ND		5.0	0.43	ug/L		08/10/12 08:14	08/13/12 21:31	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		08/10/12 08:14	08/13/12 21:31	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		08/10/12 08:14	08/13/12 21:31	1
Naphthalene	ND		5.0	0.76	ug/L		08/10/12 08:14	08/13/12 21:31	1
Nitrobenzene	ND		5.0	0.29	ug/L		08/10/12 08:14	08/13/12 21:31	1
Pentachlorophenol	ND		10	2.2	ug/L		08/10/12 08:14	08/13/12 21:31	1
Phenanthrene	ND		5.0	0.44	ug/L		08/10/12 08:14	08/13/12 21:31	1
Phenol	ND		5.0	0.39	ug/L		08/10/12 08:14	08/13/12 21:31	1
Pyrene	ND		5.0	0.34	ug/L		08/10/12 08:14	08/13/12 21:31	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	118		52 - 132	08/10/12 08:14	08/13/12 21:31	1
2-Fluorobiphenyl	81		48 - 120	08/10/12 08:14	08/13/12 21:31	1
2-Fluorophenol	39		20 - 120	08/10/12 08:14	08/13/12 21:31	1
Nitrobenzene-d5	74		46 - 120	08/10/12 08:14	08/13/12 21:31	1
p-Terphenyl-d14	125		67 - 150	08/10/12 08:14	08/13/12 21:31	1
Phenol-d5	30		16 - 120	08/10/12 08:14	08/13/12 21:31	1

QC Sample Results

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

TestAmerica Job ID: 480-23637-1

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

Lab Sample ID: LCS 480-76017/2-A

Matrix: Water

Analysis Batch: 76373

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 76017

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	100	51.0		ug/L		51	40 - 120
2,4-Dinitrophenol	100	76.4		ug/L		76	42 - 153
1,4-Dichlorobenzene	100	41.7		ug/L		42	32 - 120
2-Chlorophenol	100	75.6		ug/L		76	48 - 120
4-Chloro-3-methylphenol	100	98.7		ug/L		99	64 - 120
4-Nitrophenol	100	28.4		ug/L		28	16 - 120
Acenaphthene	100	94.6		ug/L		95	60 - 120
Bis(2-ethylhexyl) phthalate	100	111		ug/L		111	69 - 136
Fluorene	100	103		ug/L		103	66 - 129
Hexachloroethane	100	36.0		ug/L		36	25 - 120
N-Nitrosodi-n-propylamine	100	94.6		ug/L		95	56 - 120
Pentachlorophenol	100	104		ug/L		104	39 - 136
Phenol	100	41.5		ug/L		42	17 - 120
Pyrene	100	113		ug/L		113	58 - 136

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol	115		52 - 132
2-Fluorobiphenyl	93		48 - 120
2-Fluorophenol	45		20 - 120
Nitrobenzene-d5	86		46 - 120
p-Terphenyl-d14	127		67 - 150
Phenol-d5	37		16 - 120

Method: 8081A_ASP - Organochlorine Pesticides (GC)

Lab Sample ID: MB 480-76146/1-A

Matrix: Water

Analysis Batch: 76287

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 76146

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.050	0.0092	ug/L		08/10/12 14:32	08/13/12 10:46	1
4,4'-DDE	ND		0.050	0.012	ug/L		08/10/12 14:32	08/13/12 10:46	1
4,4'-DDT	ND		0.050	0.011	ug/L		08/10/12 14:32	08/13/12 10:46	1
Aldrin	ND		0.050	0.0066	ug/L		08/10/12 14:32	08/13/12 10:46	1
alpha-BHC	ND		0.050	0.0066	ug/L		08/10/12 14:32	08/13/12 10:46	1
alpha-Chlordane	ND		0.050	0.015	ug/L		08/10/12 14:32	08/13/12 10:46	1
beta-BHC	ND		0.050	0.025	ug/L		08/10/12 14:32	08/13/12 10:46	1
delta-BHC	ND		0.050	0.010	ug/L		08/10/12 14:32	08/13/12 10:46	1
Dieldrin	ND		0.050	0.0098	ug/L		08/10/12 14:32	08/13/12 10:46	1
Endosulfan I	ND		0.050	0.011	ug/L		08/10/12 14:32	08/13/12 10:46	1
Endosulfan II	ND		0.050	0.012	ug/L		08/10/12 14:32	08/13/12 10:46	1
Endosulfan sulfate	ND		0.050	0.016	ug/L		08/10/12 14:32	08/13/12 10:46	1
Endrin	ND		0.050	0.014	ug/L		08/10/12 14:32	08/13/12 10:46	1
Endrin aldehyde	ND		0.050	0.016	ug/L		08/10/12 14:32	08/13/12 10:46	1
Endrin ketone	ND		0.050	0.012	ug/L		08/10/12 14:32	08/13/12 10:46	1
gamma-BHC (Lindane)	ND		0.050	0.0060	ug/L		08/10/12 14:32	08/13/12 10:46	1
gamma-Chlordane	ND		0.050	0.011	ug/L		08/10/12 14:32	08/13/12 10:46	1
Heptachlor	ND		0.050	0.0085	ug/L		08/10/12 14:32	08/13/12 10:46	1
Heptachlor epoxide	ND		0.050	0.0053	ug/L		08/10/12 14:32	08/13/12 10:46	1

QC Sample Results

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

TestAmerica Job ID: 480-23637-1

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

Lab Sample ID: MB 480-76146/1-A

Matrix: Water

Analysis Batch: 76287

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 76146

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methoxychlor	ND		0.050	0.014	ug/L		08/10/12 14:32	08/13/12 10:46	1
Toxaphene	ND		0.50	0.12	ug/L		08/10/12 14:32	08/13/12 10:46	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	42		16 - 120				08/10/12 14:32	08/13/12 10:46	1
Tetrachloro-m-xylene	69		35 - 120				08/10/12 14:32	08/13/12 10:46	1

Lab Sample ID: LCS 480-76146/2-A

Matrix: Water

Analysis Batch: 76287

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 76146

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	0.500	0.379		ug/L		76	59 - 135
4,4'-DDE	0.500	0.374		ug/L		75	52 - 123
4,4'-DDT	0.500	0.368		ug/L		74	60 - 129
Aldrin	0.500	0.355		ug/L		71	40 - 120
alpha-BHC	0.500	0.363		ug/L		73	52 - 122
alpha-Chlordane	0.500	0.383		ug/L		77	56 - 123
beta-BHC	0.500	0.394		ug/L		79	57 - 134
delta-BHC	0.500	0.384		ug/L		77	56 - 128
Dieldrin	0.500	0.387		ug/L		77	58 - 125
Endosulfan I	0.500	0.377		ug/L		75	55 - 126
Endosulfan II	0.500	0.397		ug/L		79	60 - 120
Endosulfan sulfate	0.500	0.383		ug/L		77	55 - 138
Endrin	0.500	0.404		ug/L		81	57 - 130
Endrin aldehyde	0.500	0.392		ug/L		78	56 - 131
Endrin ketone	0.500	0.424		ug/L		85	65 - 137
gamma-BHC (Lindane)	0.500	0.369		ug/L		74	57 - 128
gamma-Chlordane	0.500	0.371		ug/L		74	54 - 128
Heptachlor	0.500	0.383		ug/L		77	46 - 121
Heptachlor epoxide	0.500	0.389		ug/L		78	53 - 120
Methoxychlor	0.500	0.401		ug/L		80	48 - 165
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
DCB Decachlorobiphenyl	40		16 - 120				
Tetrachloro-m-xylene	72		35 - 120				

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

Lab Sample ID: MB 480-76525/1-A

Matrix: Water

Analysis Batch: 76990

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 76525

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		08/14/12 14:14	08/17/12 15:15	1
PCB-1221	ND		0.50	0.18	ug/L		08/14/12 14:14	08/17/12 15:15	1
PCB-1232	ND		0.50	0.18	ug/L		08/14/12 14:14	08/17/12 15:15	1
PCB-1242	ND		0.50	0.18	ug/L		08/14/12 14:14	08/17/12 15:15	1
PCB-1248	ND		0.50	0.18	ug/L		08/14/12 14:14	08/17/12 15:15	1

QC Sample Results

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

TestAmerica Job ID: 480-23637-1

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

Lab Sample ID: MB 480-76525/1-A

Matrix: Water

Analysis Batch: 76990

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 76525

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1254	ND		0.50	0.25	ug/L		08/14/12 14:14	08/17/12 15:15	1
PCB-1260	ND		0.50	0.25	ug/L		08/14/12 14:14	08/17/12 15:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	52		19 - 120				08/14/12 14:14	08/17/12 15:15	1
Tetrachloro-m-xylene	68		23 - 127				08/14/12 14:14	08/17/12 15:15	1

Lab Sample ID: LCS 480-76525/2-A

Matrix: Water

Analysis Batch: 76990

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 76525

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
PCB-1016	5.00	3.85		ug/L		77	61 - 120
PCB-1260	5.00	3.22		ug/L		64	45 - 120
Surrogate	%Recovery	Qualifier	Limits				
DCB Decachlorobiphenyl	43		19 - 120				
Tetrachloro-m-xylene	72		23 - 127				

Method: 6010B_ASP - Metals (ICP)

Lab Sample ID: MB 480-75868/1-A

Matrix: Water

Analysis Batch: 76022

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 75868

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		08/09/12 10:10	08/09/12 17:57	1
Antimony	ND		0.020	0.0068	mg/L		08/09/12 10:10	08/09/12 17:57	1
Arsenic	ND		0.010	0.0056	mg/L		08/09/12 10:10	08/09/12 17:57	1
Beryllium	ND		0.0020	0.00030	mg/L		08/09/12 10:10	08/09/12 17:57	1
Cadmium	ND		0.0010	0.00050	mg/L		08/09/12 10:10	08/09/12 17:57	1
Calcium	ND		0.50	0.10	mg/L		08/09/12 10:10	08/09/12 17:57	1
Chromium	ND		0.0040	0.0010	mg/L		08/09/12 10:10	08/09/12 17:57	1
Cobalt	ND		0.0040	0.00063	mg/L		08/09/12 10:10	08/09/12 17:57	1
Copper	ND		0.010	0.0016	mg/L		08/09/12 10:10	08/09/12 17:57	1
Iron	ND		0.050	0.019	mg/L		08/09/12 10:10	08/09/12 17:57	1
Lead	ND		0.0050	0.0030	mg/L		08/09/12 10:10	08/09/12 17:57	1
Magnesium	ND		0.20	0.043	mg/L		08/09/12 10:10	08/09/12 17:57	1
Manganese	ND		0.0030	0.00040	mg/L		08/09/12 10:10	08/09/12 17:57	1
Nickel	ND		0.010	0.0013	mg/L		08/09/12 10:10	08/09/12 17:57	1
Potassium	ND		0.50	0.10	mg/L		08/09/12 10:10	08/09/12 17:57	1
Selenium	ND		0.015	0.0087	mg/L		08/09/12 10:10	08/09/12 17:57	1
Silver	ND		0.0030	0.0017	mg/L		08/09/12 10:10	08/09/12 17:57	1
Sodium	ND		1.0	0.32	mg/L		08/09/12 10:10	08/09/12 17:57	1
Thallium	ND		0.020	0.010	mg/L		08/09/12 10:10	08/09/12 17:57	1
Vanadium	ND		0.0050	0.0015	mg/L		08/09/12 10:10	08/09/12 17:57	1
Zinc	ND		0.010	0.0015	mg/L		08/09/12 10:10	08/09/12 17:57	1

QC Sample Results

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

TestAmerica Job ID: 480-23637-1

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

Lab Sample ID: MB 480-75868/1-A

Matrix: Water

Analysis Batch: 76259

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 75868

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	0.00161	J	0.0020	0.00070	mg/L		08/09/12 10:10	08/10/12 22:50	1

Lab Sample ID: LCS 480-75868/2-A

Matrix: Water

Analysis Batch: 76022

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 75868

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	10.0	9.69		mg/L		97	80 - 120
Antimony	0.200	0.196		mg/L		98	80 - 120
Arsenic	0.200	0.200		mg/L		100	80 - 120
Beryllium	0.200	0.200		mg/L		100	80 - 120
Cadmium	0.200	0.201		mg/L		101	80 - 120
Calcium	10.0	9.83		mg/L		98	80 - 120
Chromium	0.200	0.193		mg/L		97	80 - 120
Cobalt	0.200	0.195		mg/L		97	80 - 120
Copper	0.200	0.200		mg/L		100	80 - 120
Iron	10.0	9.71		mg/L		97	80 - 120
Lead	0.200	0.192		mg/L		96	80 - 120
Magnesium	10.0	9.72		mg/L		97	80 - 120
Manganese	0.200	0.203		mg/L		101	80 - 120
Nickel	0.200	0.194		mg/L		97	80 - 120
Potassium	10.0	9.77		mg/L		98	80 - 120
Selenium	0.200	0.196		mg/L		98	80 - 120
Silver	0.0500	0.0498		mg/L		100	80 - 120
Sodium	10.0	9.87		mg/L		99	80 - 120
Thallium	0.200	0.189		mg/L		94	80 - 120
Vanadium	0.200	0.198		mg/L		99	80 - 120
Zinc	0.200	0.208		mg/L		104	80 - 120

Lab Sample ID: LCS 480-75868/2-A

Matrix: Water

Analysis Batch: 76259

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 75868

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Barium	0.200	0.213		mg/L		107	80 - 120

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

Lab Sample ID: MB 480-76000/1-A

Matrix: Water

Analysis Batch: 76079

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 76000

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Cyanide	ND		0.010	0.0050	mg/L		08/10/12 04:48	08/10/12 10:09	1

QC Sample Results

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

TestAmerica Job ID: 480-23637-1

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

Lab Sample ID: LCS 480-76000/2-A

Matrix: Water

Analysis Batch: 76079

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 76000

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Cyanide	0.250	0.231		mg/L		92	90 - 110

Lab Sample ID: 480-23637-1 MS

Matrix: Water

Analysis Batch: 76079

Client Sample ID: S-1

Prep Type: Total/NA

Prep Batch: 76000

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Cyanide	0.0074	J	0.100	0.0946		mg/L		87	85 - 115

Lab Sample ID: MB 480-76117/1-A

Matrix: Water

Analysis Batch: 76212

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 76117

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Cyanide	ND		0.010	0.0050	mg/L		08/10/12 11:00	08/11/12 09:37	1

Lab Sample ID: LCS 480-76117/2-A

Matrix: Water

Analysis Batch: 76212

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 76117

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Cyanide	0.400	0.441		mg/L		110	90 - 110

QC Association Summary

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

TestAmerica Job ID: 480-23637-1

GC/MS VOA

Analysis Batch: 76577

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-23637-6	TRIP BLANK	Total/NA	Water	8260B_ASP	
LCS 480-76577/5	Lab Control Sample	Total/NA	Water	8260B_ASP	
MB 480-76577/6	Method Blank	Total/NA	Water	8260B_ASP	

Analysis Batch: 76665

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-23637-1	S-1	Total/NA	Water	8260B_ASP	
480-23637-2	S-2	Total/NA	Water	8260B_ASP	
480-23637-3	S-3	Total/NA	Water	8260B_ASP	
480-23637-3 MS	S-3	Total/NA	Water	8260B_ASP	
480-23637-3 MSD	S-3	Total/NA	Water	8260B_ASP	
480-23637-4	S-4	Total/NA	Water	8260B_ASP	
480-23637-5	DUP	Total/NA	Water	8260B_ASP	
LCS 480-76665/4	Lab Control Sample	Total/NA	Water	8260B_ASP	
MB 480-76665/5	Method Blank	Total/NA	Water	8260B_ASP	

GC/MS Semi VOA

Prep Batch: 76017

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-23637-1	S-1	Total/NA	Water	3510C	
480-23637-2	S-2	Total/NA	Water	3510C	
480-23637-3	S-3	Total/NA	Water	3510C	
480-23637-4	S-4	Total/NA	Water	3510C	
480-23637-5	DUP	Total/NA	Water	3510C	
LCS 480-76017/2-A	Lab Control Sample	Total/NA	Water	3510C	
MB 480-76017/1-A	Method Blank	Total/NA	Water	3510C	

Analysis Batch: 76373

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-23637-1	S-1	Total/NA	Water	8270C_ASP	76017
480-23637-2	S-2	Total/NA	Water	8270C_ASP	76017
480-23637-3	S-3	Total/NA	Water	8270C_ASP	76017
480-23637-4	S-4	Total/NA	Water	8270C_ASP	76017
480-23637-5	DUP	Total/NA	Water	8270C_ASP	76017
LCS 480-76017/2-A	Lab Control Sample	Total/NA	Water	8270C_ASP	76017
MB 480-76017/1-A	Method Blank	Total/NA	Water	8270C_ASP	76017

GC Semi VOA

Prep Batch: 76146

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-23637-1	S-1	Total/NA	Water	3510C	
480-23637-2	S-2	Total/NA	Water	3510C	
480-23637-3	S-3	Total/NA	Water	3510C	
480-23637-4	S-4	Total/NA	Water	3510C	
480-23637-5	DUP	Total/NA	Water	3510C	
LCS 480-76146/2-A	Lab Control Sample	Total/NA	Water	3510C	
MB 480-76146/1-A	Method Blank	Total/NA	Water	3510C	

QC Association Summary

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

TestAmerica Job ID: 480-23637-1

GC Semi VOA (Continued)

Analysis Batch: 76287

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-23637-1	S-1	Total/NA	Water	8081A_ASP	76146
480-23637-2	S-2	Total/NA	Water	8081A_ASP	76146
480-23637-3	S-3	Total/NA	Water	8081A_ASP	76146
480-23637-4	S-4	Total/NA	Water	8081A_ASP	76146
480-23637-5	DUP	Total/NA	Water	8081A_ASP	76146
LCS 480-76146/2-A	Lab Control Sample	Total/NA	Water	8081A_ASP	76146
MB 480-76146/1-A	Method Blank	Total/NA	Water	8081A_ASP	76146

Prep Batch: 76525

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-23637-1	S-1	Total/NA	Water	3510C	
480-23637-2	S-2	Total/NA	Water	3510C	
480-23637-3	S-3	Total/NA	Water	3510C	
480-23637-4	S-4	Total/NA	Water	3510C	
480-23637-5	DUP	Total/NA	Water	3510C	
LCS 480-76525/2-A	Lab Control Sample	Total/NA	Water	3510C	
MB 480-76525/1-A	Method Blank	Total/NA	Water	3510C	

Analysis Batch: 76990

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-23637-1	S-1	Total/NA	Water	8082	76525
480-23637-2	S-2	Total/NA	Water	8082	76525
480-23637-3	S-3	Total/NA	Water	8082	76525
480-23637-4	S-4	Total/NA	Water	8082	76525
480-23637-5	DUP	Total/NA	Water	8082	76525
LCS 480-76525/2-A	Lab Control Sample	Total/NA	Water	8082	76525
MB 480-76525/1-A	Method Blank	Total/NA	Water	8082	76525

Metals

Prep Batch: 75868

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-23637-1	S-1	Total/NA	Water	3005A	
480-23637-2	S-2	Total/NA	Water	3005A	
480-23637-3	S-3	Total/NA	Water	3005A	
480-23637-4	S-4	Total/NA	Water	3005A	
480-23637-5	DUP	Total/NA	Water	3005A	
LCS 480-75868/2-A	Lab Control Sample	Total/NA	Water	3005A	
MB 480-75868/1-A	Method Blank	Total/NA	Water	3005A	

Analysis Batch: 76022

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-23637-1	S-1	Total/NA	Water	6010B_ASP	75868
480-23637-2	S-2	Total/NA	Water	6010B_ASP	75868
480-23637-3	S-3	Total/NA	Water	6010B_ASP	75868
480-23637-4	S-4	Total/NA	Water	6010B_ASP	75868
480-23637-5	DUP	Total/NA	Water	6010B_ASP	75868
LCS 480-75868/2-A	Lab Control Sample	Total/NA	Water	6010B_ASP	75868
MB 480-75868/1-A	Method Blank	Total/NA	Water	6010B_ASP	75868

QC Association Summary

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

TestAmerica Job ID: 480-23637-1

Metals (Continued)

Analysis Batch: 76259

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-75868/2-A	Lab Control Sample	Total/NA	Water	6010B_ASP	75868
MB 480-75868/1-A	Method Blank	Total/NA	Water	6010B_ASP	75868

General Chemistry

Prep Batch: 76000

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-23637-1	S-1	Total/NA	Water	9012A	
480-23637-1 MS	S-1	Total/NA	Water	9012A	
480-23637-2	S-2	Total/NA	Water	9012A	
480-23637-3	S-3	Total/NA	Water	9012A	
LCS 480-76000/2-A	Lab Control Sample	Total/NA	Water	9012A	
MB 480-76000/1-A	Method Blank	Total/NA	Water	9012A	

Analysis Batch: 76079

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-23637-1	S-1	Total/NA	Water	9012A_ASP	76000
480-23637-1 MS	S-1	Total/NA	Water	9012A_ASP	76000
480-23637-2	S-2	Total/NA	Water	9012A_ASP	76000
480-23637-3	S-3	Total/NA	Water	9012A_ASP	76000
LCS 480-76000/2-A	Lab Control Sample	Total/NA	Water	9012A_ASP	76000
MB 480-76000/1-A	Method Blank	Total/NA	Water	9012A_ASP	76000

Prep Batch: 76117

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-23637-4	S-4	Total/NA	Water	9012A	
480-23637-5	DUP	Total/NA	Water	9012A	
LCS 480-76117/2-A	Lab Control Sample	Total/NA	Water	9012A	
MB 480-76117/1-A	Method Blank	Total/NA	Water	9012A	

Analysis Batch: 76212

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-23637-4	S-4	Total/NA	Water	9012A_ASP	76117
480-23637-5	DUP	Total/NA	Water	9012A_ASP	76117
LCS 480-76117/2-A	Lab Control Sample	Total/NA	Water	9012A_ASP	76117
MB 480-76117/1-A	Method Blank	Total/NA	Water	9012A_ASP	76117

Lab Chronicle

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

TestAmerica Job ID: 480-23637-1

Client Sample ID: S-1

Date Collected: 08/08/12 12:00

Date Received: 08/08/12 09:00

Lab Sample ID: 480-23637-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B_ASP		1	5 mL	5 mL	76665	08/15/12 16:59	CDC	TAL BUF
Total/NA	Prep	3510C			1050 mL	1 mL	76017	08/10/12 08:14	TR	TAL BUF
Total/NA	Analysis	8270C_ASP		1			76373	08/14/12 01:27	RMM	TAL BUF
Total/NA	Prep	3510C			1030 mL	10 mL	76146	08/10/12 14:32	DE	TAL BUF
Total/NA	Analysis	8081A_ASP		50			76287	08/13/12 21:36	LW	TAL BUF
Total/NA	Prep	3510C			1035 mL	10 mL	76525	08/14/12 14:14	DE	TAL BUF
Total/NA	Analysis	8082		1			76990	08/17/12 19:14	JM	TAL BUF
Total/NA	Prep	3005A			50 mL	50 mL	75868	08/09/12 10:10	JM	TAL BUF
Total/NA	Analysis	6010B_ASP		1			76022	08/09/12 18:35	AH	TAL BUF
Total/NA	Prep	9012A			50 mL	50 mL	76000	08/10/12 04:48	BM	TAL BUF
Total/NA	Analysis	9012A_ASP		1			76079	08/10/12 10:04	KS	TAL BUF

Client Sample ID: S-2

Date Collected: 08/08/12 11:10

Date Received: 08/08/12 09:00

Lab Sample ID: 480-23637-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B_ASP		1	5 mL	5 mL	76665	08/15/12 17:25	CDC	TAL BUF
Total/NA	Prep	3510C			1030 mL	1 mL	76017	08/10/12 08:14	TR	TAL BUF
Total/NA	Analysis	8270C_ASP		1			76373	08/14/12 01:51	RMM	TAL BUF
Total/NA	Prep	3510C			1055 mL	10 mL	76146	08/10/12 14:32	DE	TAL BUF
Total/NA	Analysis	8081A_ASP		50			76287	08/13/12 22:17	LW	TAL BUF
Total/NA	Prep	3510C			1005 mL	10 mL	76525	08/14/12 14:14	DE	TAL BUF
Total/NA	Analysis	8082		1			76990	08/17/12 19:30	JM	TAL BUF
Total/NA	Prep	3005A			50 mL	50 mL	75868	08/09/12 10:10	JM	TAL BUF
Total/NA	Analysis	6010B_ASP		1			76022	08/09/12 18:37	AH	TAL BUF
Total/NA	Prep	9012A			50 mL	50 mL	76000	08/10/12 04:48	BM	TAL BUF
Total/NA	Analysis	9012A_ASP		1			76079	08/10/12 10:06	KS	TAL BUF

Client Sample ID: S-3

Date Collected: 08/08/12 10:45

Date Received: 08/08/12 09:00

Lab Sample ID: 480-23637-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B_ASP		1	5 mL	5 mL	76665	08/15/12 17:50	CDC	TAL BUF
Total/NA	Prep	3510C			1050 mL	1 mL	76017	08/10/12 08:14	TR	TAL BUF
Total/NA	Analysis	8270C_ASP		1			76373	08/14/12 02:15	RMM	TAL BUF
Total/NA	Prep	3510C			1015 mL	10 mL	76146	08/10/12 14:32	DE	TAL BUF
Total/NA	Analysis	8081A_ASP		10			76287	08/13/12 22:58	LW	TAL BUF
Total/NA	Prep	3510C			1020 mL	10 mL	76525	08/14/12 14:14	DE	TAL BUF
Total/NA	Analysis	8082		1			76990	08/17/12 19:46	JM	TAL BUF
Total/NA	Prep	3005A			50 mL	50 mL	75868	08/09/12 10:10	JM	TAL BUF
Total/NA	Analysis	6010B_ASP		1			76022	08/09/12 18:39	AH	TAL BUF
Total/NA	Prep	9012A			50 mL	50 mL	76000	08/10/12 04:48	BM	TAL BUF

Lab Chronicle

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

TestAmerica Job ID: 480-23637-1

Client Sample ID: S-3

Date Collected: 08/08/12 10:45

Date Received: 08/08/12 09:00

Lab Sample ID: 480-23637-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9012A_ASP		1			76079	08/10/12 10:07	KS	TAL BUF

Client Sample ID: S-4

Date Collected: 08/08/12 10:15

Date Received: 08/08/12 09:00

Lab Sample ID: 480-23637-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B_ASP		1	5 mL	5 mL	76665	08/15/12 19:04	CDC	TAL BUF
Total/NA	Prep	3510C			1020 mL	1 mL	76017	08/10/12 08:14	TR	TAL BUF
Total/NA	Analysis	8270C_ASP		1			76373	08/14/12 02:38	RMM	TAL BUF
Total/NA	Prep	3510C			1010 mL	10 mL	76146	08/10/12 14:32	DE	TAL BUF
Total/NA	Analysis	8081A_ASP		10			76287	08/13/12 23:39	LW	TAL BUF
Total/NA	Prep	3510C			1000 mL	10 mL	76525	08/14/12 14:14	DE	TAL BUF
Total/NA	Analysis	8082		1			76990	08/17/12 20:02	JM	TAL BUF
Total/NA	Prep	3005A			50 mL	50 mL	75868	08/09/12 10:10	JM	TAL BUF
Total/NA	Analysis	6010B_ASP		1			76022	08/09/12 18:41	AH	TAL BUF
Total/NA	Prep	9012A			50 mL	50 mL	76117	08/10/12 11:00	EGN	TAL BUF
Total/NA	Analysis	9012A_ASP		1			76212	08/11/12 09:43	EGN	TAL BUF

Client Sample ID: DUP

Date Collected: 08/08/12 11:10

Date Received: 08/08/12 09:00

Lab Sample ID: 480-23637-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B_ASP		1	5 mL	5 mL	76665	08/15/12 19:29	CDC	TAL BUF
Total/NA	Prep	3510C			1025 mL	1 mL	76017	08/10/12 08:14	TR	TAL BUF
Total/NA	Analysis	8270C_ASP		1			76373	08/14/12 03:02	RMM	TAL BUF
Total/NA	Prep	3510C			1020 mL	10 mL	76146	08/10/12 14:32	DE	TAL BUF
Total/NA	Analysis	8081A_ASP		50			76287	08/14/12 00:21	LW	TAL BUF
Total/NA	Prep	3510C			1030 mL	10 mL	76525	08/14/12 14:14	DE	TAL BUF
Total/NA	Analysis	8082		1			76990	08/17/12 20:18	JM	TAL BUF
Total/NA	Prep	3005A			50 mL	50 mL	75868	08/09/12 10:10	JM	TAL BUF
Total/NA	Analysis	6010B_ASP		1			76022	08/09/12 18:43	AH	TAL BUF
Total/NA	Prep	9012A			50 mL	50 mL	76117	08/10/12 11:00	EGN	TAL BUF
Total/NA	Analysis	9012A_ASP		1			76212	08/11/12 09:44	EGN	TAL BUF

Client Sample ID: TRIP BLANK

Date Collected: 08/08/12 00:00

Date Received: 08/08/12 09:00

Lab Sample ID: 480-23637-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B_ASP		1	5 mL	5 mL	76577	08/15/12 09:40	LH	TAL BUF

Lab Chronicle

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

TestAmerica Job ID: 480-23637-1

Laboratory References:

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

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Certification Summary

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

TestAmerica Job ID: 480-23637-1

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

Method Summary

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

TestAmerica Job ID: 480-23637-1

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
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: 480-23637-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-23637-1	S-1	Water	08/08/12 12:00	08/08/12 09:00
480-23637-2	S-2	Water	08/08/12 11:10	08/08/12 09:00
480-23637-3	S-3	Water	08/08/12 10:45	08/08/12 09:00
480-23637-4	S-4	Water	08/08/12 10:15	08/08/12 09:00
480-23637-5	DUP	Water	08/08/12 11:10	08/08/12 09:00
480-23637-6	TRIP BLANK	Water	08/08/12 00:00	08/08/12 09:00

Client Information Client Name: <u>Jen Siniscalchi</u> Address: <u>150 Summit Drive</u> City: <u>Cheektowaga</u> State, Zip: <u>NY, 14225</u> Phone: <u>495-287-7857</u> Email: <u>bsullivan@seconline.com</u> Project Name: <u>Cherry Farms Annual Groundwater Monitor</u> Site:		Analysis Requested Due Date Requested: <u>5TD</u> TAT Requested (days): PO #: <u>901469</u> WO #: <u>48002788</u> Project #: <u>48002788</u> SSOW#:		Sample Identification <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Sample ID</th> <th>Sample Date</th> <th>Sample Time</th> <th>Sample Type (C=Comp, G=Grab)</th> <th>Matrix (W=water, S=solid, O=waste/oil)</th> </tr> </thead> <tbody> <tr> <td>S-1</td> <td>8/8/12</td> <td>1200</td> <td></td> <td>Water</td> </tr> <tr> <td>S-2</td> <td></td> <td>1110</td> <td></td> <td>Water</td> </tr> <tr> <td>S-3</td> <td></td> <td>1045</td> <td></td> <td>Water</td> </tr> <tr> <td>S-4</td> <td></td> <td>1015</td> <td></td> <td>Water</td> </tr> <tr> <td></td> <td></td> <td>1110</td> <td></td> <td>Water</td> </tr> <tr> <td></td> <td></td> <td>1045</td> <td></td> <td>Water</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>Water</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>Water</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>Water</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>Water</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>Water</td> </tr> </tbody> </table>		Sample ID	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix (W=water, S=solid, O=waste/oil)	S-1	8/8/12	1200		Water	S-2		1110		Water	S-3		1045		Water	S-4		1015		Water			1110		Water			1045		Water					Water					Water					Water					Water					Water
Sample ID	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix (W=water, S=solid, O=waste/oil)																																																													
S-1	8/8/12	1200		Water																																																													
S-2		1110		Water																																																													
S-3		1045		Water																																																													
S-4		1015		Water																																																													
		1110		Water																																																													
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				Water																																																													
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				Water																																																													
				Water																																																													
				Water																																																													
Special Instructions/Note: <u>MS/MSD (S-3)</u> <u>Trip Blank</u> <u>Trip Blank</u>																																																																	
Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - ph 4-5 Z - other (specify)																																																																	
Special Instructions/Note: <u>2</u> <u>Coakers</u>																																																																	
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months																																																																	
Special Instructions/QC Requirements:																																																																	
Empty Kit Relinquished by:																																																																	
Relinquished by: <u>Jen Siniscalchi</u> Date/Time: <u>8/8/12 1355</u> Company: <u>Seconline</u>																																																																	
Relinquished by: Date/Time: Company:																																																																	
Relinquished by: Date/Time: Company:																																																																	
Custody Seal No.: <u>3,4, 3.84</u>																																																																	

Login Sample Receipt Checklist

Client: Groundwater & Environmental Services Inc

Job Number: 480-23637-1

Login Number: 23637

List Source: TestAmerica Buffalo

List Number: 1

Creator: May, Joel 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	GES
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

APPENDIX B-1
Historical Water Level Data

Appendix B-1
Historical Water Level Data

		8/8/1997	8/19/1997	8/20/1997	8/21/1997	8/22/1997	8/25/1997	9/4/1997	9/12/1997	10/3/1997	10/13/1997	11/21/1997	12/5/1997	12/24/1997	1/6/1998	2/2/1998
	Original															
WELL	ELEV.	DTW	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)	(FEET)
MW-1	577.68	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	11.48	11.62
MW-2	578.76	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	12.80	12.81
MW-3	571.16	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	5.45	5.45
MW-4	583.83	17.76	17.87	18.04	18.82		18.13	18.25	18.25	17.85	17.94	18.2	17.96	18.1	20.17	
MW-5	584.14	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	18.91	18.82
MW-6	585.70	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	20.43	20.34
MW-7	586.40	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	20.80	20.57
OW-1	573.63	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	8.42	8.38
OW-2	584.14	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	15.77	15.8
OW-3	576.25	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	10.80	10.58
OW-4	572.21	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	6.76	6.62
OW-5	584.16	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	17.10	17.11
OW-5	584.03															
OW-6	572.12	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	5.97	5.7
OW-6	572.17															
OW-7	574.84	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	8.51	8.23
OW-8	571.31	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	5.27	5.15
OW-9	588.32	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	20.72	20.36
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	6.40	6.45
S-2	571.81	10.49	6.15	6.26		6.16	6.23			6.15	6.31	6.2	6.51	6.61	6.28	6.07
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	5.88	5.63
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	5.10	4.56
RW-1	581.82	16.25	16.32	22.2								16.13	22.17	22.17	21.18	16.28
RW-2	581.82	15.91	15.99	22.18								15.85	22.10	21.37	21.95	21.85
RW-3	582.30	16.37	16.48	16.66								10.30	22.63	22.70	19.77	21.96
RW-4	581.83	15.95	16.09	22.25								19.06	27.77	28.45	28.46	21.51
RW-5	582.05		16.37	22.4								16.39	37.67	22.44	22.28	21.7
RW-6	570.76	4.89	5.05	11.02								5.21	10.05	10.93	10.14	10.9
RW-7	570.67	4.78	4.93	11.05								4.91	10.55	11.06	10.47	10.79
RW-8	583.83	17.92	18.07	23.14								22.39	22.51	23.09	18.47	18.4
RW-9	583.86	17.88	18.00	24.1								24.05	23.36	23.58	18.45	18.37
RW-10	583.28	17.09	17.21	23.55								23.47	23.39	23.52	23.50	22.45
RW-11	581.22	15.1	15.18	20.28								20.95	20.24	20.09	20.95	20.83
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

		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	1/28/1999	2/22/1999	3/29/1999
	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	11.53	11.1	11.34	11.37	11.50	11.58	11.65	11.75	11.95	12.41	12.63	12.33	12.65	12.32
MW-2	578.76	12.82	12.36	12.57	12.69	12.69	12.91	12.84	12.96	13.11	13.67	13.95	13.75	13.89	13.75
MW-3	571.16	5.48	5.12	5.31	5.5	5.59	5.79	5.90	5.96	6.08	6.46	7.05	6.46	6.69	6.50
MW-4	583.83	18.06	18.02	17.90	18	17.99	18.09	18.18	18.18	18.45	18.87	19.30	19.07	19.12	18.84
MW-5	584.14	19.04	18.69	18.78	18.04	18.65	18.73	18.48	18.6	18.92	19.36	19.74	19.71	19.79	19.61
MW-6	585.70	20.80	20.3	20.10	20.38	20.28	20.48	19.93	20.32	20.30	21.14	21.69	21.65	21.68	21.58
MW-7	586.40	20.92	20.61	20.63	20.78	20.77	21.05	20.41	20.78	21.00	21.7	22.13	21.73	21.76	21.74
OW-1	573.63	8.50	7.98	8.08	8.25	8.23	8.41	8.30	8.38	8.69	9.14	9.66	9.39	9.56	9.36
OW-2	584.14	15.62	15.88	15.99	15.93	15.81	16.04	16.00	15.94	15.94	15.94	16.00	16.21	16.35	16.03
OW-3	576.25	10.92	10.55	10.63	10.6	10.91	10.55	10.03	10.1	10.42	10.8	11.38	11.25	11.29	11.27
OW-4	572.21	6.90	6.45	6.48	6.6	6.80	6.53	5.91	6.16	6.41	6.88	7.47	7.29	7.34	7.28
OW-5	584.16	16.92	17.16	17.42	17.33	17.39	17.53	17.06	16.96	17.06	16.95	17.32	17.8	18.08	17.95
OW-5	584.03														
OW-6	572.12	6.03	5.82	6.01	6.22	6.56	6.25	4.28	4.45	5.03	5.64	6.77	6.51	6.63	6.67
OW-6	572.17														
OW-7	574.84	8.50	8.3	8.58	8.98	9.26	8.95	7.62	6.4	7.25	8.07	9.62	9.23	9.42	9.53
OW-8	571.31	5.31	5.22	5.34	5.71	5.74	5.77	4.69	3.92	5.23	5.36	6.43	6.16	6.26	6.36
OW-9	588.32	20.48	20.32	20.56	21.12	21.55			17.43	18.63	20.08				
S-1	571.84	7.68	5.84	5.99	6	7.56	7.32	6.86	5.75	7.70	7.23	7.95	7.68	7.61	7.76
S-2	571.81	6.38	6.01	6.10	6.14	6.40	6.08	5.37	5.59	5.88	6.29	6.92	6.77	6.8	6.78
S-3	571.84	6.03	5.75	5.94	6.1	6.47	6.01	4.51	4.8	5.23	5.78	6.70	6.41	8.34	6.53
S-4	571.51	4.79	4.92	5.28	5.83	5.79	5.63	5.51	3.02	3.42	4.7	6.61	5.97	6.13	6.28
RW-1	581.82	19.42	21.51	21.31	21.2	21.53	21.28	21.08	21.85	25.35	17.23	27.15	35.55	34.91	30.40
RW-2	581.82	21.32	21.61	22.04	21.93	21.37	21.55	21.53	21.4	25.61	26.01	25.88	26.32	25.81	25.70
RW-3	582.30	22.29	22.68	22.10	22.12	22.24	22.65	21.59	22.19	26.55	26.77	38.32	26.43	26.71	26.51
RW-4	581.83	28.30	28.47	21.95	21.12	21.95	21.81	22.08	21.52	24.51	24.53	17.29	25.25	24.91	25.21
RW-5	582.05	21.47	33.98	22.27	21.51	18.37	22.02	22.28	21.75	25.42	37.62	25.61	25.68	37.84	37.57
RW-6	570.76	10.46	10.4	10.19	10.55	8.05	10.42	10.12	5.36	15.20	14.23	14.63	6.32	6.29	14.50
RW-7	570.67	10.85	10.4	10.65	10.23	5.26	10.05	10.37	19.8	14.97	5.72	22.12	14.95	14.9	14.07
RW-8	583.83	22.26	22.68	22.63	22.6	18.40	18.45	22.23	22.69	27.12	26.7	26.12	26.57	26.11	26.62
RW-9	583.86	23.58	21.75	18.12	18.4	18.24	18.5	17.71	23.93	18.31	27.23	19.63	27.65	27.78	27.17
RW-10	583.28	22.82	22.98	23.03	23.26	17.55	23.36	22.79	23.35	23.31	23.52	22.65	23.11	23.03	23.56
RW-11	581.22	20.09	20.28	21.13	20.58	17.84		20.32	21.07	20.74	21.21	23.12	22.77	22.86	23.23
SG	568.89														
SG	567.75														

Appendix B-1
Historical Water Level Data

		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	1/27/2000	2/25/2000	3/24/2000	4/26/2000	5/26/2000
	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	12.17	12.08	12.48	12.21	12.20	12.41	12.22	12.73	12.55	11.66	12.72	12.76	12.55	12.25
MW-2	578.76	13.56	13.43	13.81	13.40	13.45	13.71	13.55	14.22	13.99	12.91	14.20	14.32	14.05	13.70
MW-3	571.16	5.97	6.12	6.46	6.25	6.16	6.78	6.12	6.54	6.40	5.51	6.84	6.72	6.75	6.29
MW-4	583.83	18.71	18.58	18.92	18.72	18.56	18.72	18.59	19.09	19.27	19.17	18.40	19.34	19.07	15.05
MW-5	584.14	19.5	19.27	19.51	19.30	19.24	19.39	19.24	19.96	19.83	19.52	20.07	20.05	19.93	19.46
MW-6	585.70	21.37	21.34	21.32	20.90	21.02	21.25	21.24	21.95	21.53	21.10	22.01	22.04	21.52	21.35
MW-7	586.40	21.61	21.64	21.78	21.51	21.52	21.73	21.65	22.02	21.79	21.70	22.20	22.11	21.71	21.47
OW-1	573.63	8.89	8.91	9.12	8.61	8.78	9.30	9.01	9.58	9.40	8.45	9.72	9.65	9.72	9.15
OW-2	584.14	16.43	16.33	16.42	16.23	16.36	16.40	16.57	16.59	16.48	15.81	16.58	16.48	16.63	16.72
OW-3	576.25	11.26	11.15	11.48	11.29	11.34	11.35	11.33	11.37	11.33	11.20	11.53	11.34	11.26	11.18
OW-4	572.21	7.24	7.13	7.45	7.17	7.26	7.39	7.26	7.45	7.38	7.21	7.44	7.42	7.35	7.15
OW-5	584.16	18.17	18.22	18.13	18.18	18.24	18.43	18.45	18.51	18.58	18.47	18.61	18.43	18.28	18.21
OW-5	584.03														
OW-6	572.12	6.77	6.78	7.06	6.91	6.96	7.04	6.94	6.89	6.88	6.57	7.12	6.89	6.85	6.70
OW-6	572.17														
OW-7	574.84	9.61	9.49	9.99	9.73	9.81	9.90	9.96	9.93	9.78	9.61	9.78	10.03	9.71	9.43
OW-8	571.31	6.32	6.31	6.81	6.40	6.45	6.63	6.76	6.81	6.67	6.33	6.72	6.87	6.49	6.31
OW-9	588.32	21.64	21.75	21.94	22.02	21.97	22.11	21.88	21.67	21.72	21.62	21.99	21.78	21.51	21.48
S-1	571.84	7.71	7.62	7.59	7.67	7.65	7.60	7.52	7.80	7.51	7.02	7.85	7.65	7.71	7.79
S-2	571.81	6.77	6.65	7.01	6.78	6.82	6.95	6.72	6.91	6.86	6.51	6.94	6.83	6.78	6.60
S-3	571.84	6.61	6.6	6.91	6.73	6.82	6.79	6.71	6.74	6.73	6.59	6.81	6.68	6.68	6.55
S-4	571.51	6.32	6.39	6.95	6.37	6.33	6.44	7.05	7.03	7.04	6.86	6.88	7.15	6.72	6.14
RW-1	581.82	16.85	25.8	17.24	16.81	25.90	26.35		17.48	17.35	17.66	34.67	17.60	25.64	25.68
RW-2	581.82	25.4	25.65	25.40	26.40	25.51	17.08	17.10	25.51	36.32	36.30	25.27	25.52	25.91	25.95
RW-3	582.30	26.67	26.51	26.52	36.58	17.19	17.35	27.25	27.25	37.21	37.10	28.23	27.87	23.09	19.83
RW-4	581.83	25.31	24.66	17.12	21.63	22.82	22.45	22.95	17.52	22.45	23.02	22.43	22.32	22.49	21.78
RW-5	582.05	37.68	26.03	37.85	37.71	26.54	25.96	17.31	35.95	25.75	25.31	26.00	30.41	25.65	26.20
RW-6	570.76	15.4	15.48	6.27	15.26	15.31	14.94	15.19	6.67	6.49	6.59	6.88	6.84	15.17	9.76
RW-7	570.67	14.96		14.83	14.97	14.90	13.38	24.03	14.92	14.96	14.44	14.50	26.89	14.00	14.28
RW-8	583.83	26.9	26.27	19.29	26.27	26.31	19.22	26.37	26.90	26.21	26.11	26.33	26.67	26.37	26.32
RW-9	583.86	27.55		19.32	27.25	27.30	19.29	27.05	27.32	19.51	19.30	27.68	27.10	19.44	27.58
RW-10	583.28	23.45	23.36	23.33	23.07	23.20	23.04	22.85	22.88	23.08	23.20	23.25	23.38	22.83	22.63
RW-11	581.22	22.95	22.97	22.77	23.46	23.40	23.27	22.76	23.28	23.22	23.20	23.34	23.25	22.80	22.71
SG	568.89														
SG	567.75														

Appendix B-1
Historical Water Level Data

		6/26/2000	7/21/2000	8/28/2000	9/29/2000	11/1/2000	11/30/2000	12/11/2000	1/22/2001	2/27/2001	3/16/2001	4/20/2001	5/30/2001	6/18/2001
	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	11.97	11.86	12.14	12.14	12.67	12.91	13.02	12.96	12.58	12.77	12.30	12.11	12.22
MW-2	578.76	13.43	13.32	13.56	13.57	14.14	14.46	14.63	14.32	14.11	14.45	13.75	13.61	13.69
MW-3	571.16	5.75	5.68	6.04	6.42	6.84	6.72	7.39	7.03	6.90	6.96	6.21	6.02	6.21
MW-4	583.83	16.52	16.23	17.42	18.8	19.35	13.50	18.87	19.69	19.32	19.39	19.00	18.83	18.87
MW-5	584.14	19.07	18.82	19.02	19.85	19.93	20.36	20.35	20.27	20.04	20.12	19.62	19.42	19.37
MW-6	585.70	21.02	20.53	21.14	21.08	21.65	21.95	22.18	21.84	21.76	22.34	21.41	21.25	21.21
MW-7	586.40	21.12	20.78	21.39	21.33	21.95	22.35	22.29	22.11	21.82	22.13	21.60	21.44	21.47
OW-1	573.63	8.68	8.52	8.84	9.14	9.42	9.60	10.13	9.97	9.78	9.75	9.10	8.90	8.99
OW-2	584.14	16.59	16.43	16.48	16.38	16.41	16.72	16.41	16.73	16.63	9.84	16.60	16.59	16.77
OW-3	576.25	10.79	10.75	10.88	11.21	11.65	11.85	11.77	11.83	11.63	11.47	11.42	11.21	11.16
OW-4	572.21	6.73	6.73	6.9	7.27	7.83	8.19	7.83	7.98	7.67	7.60	7.51	7.20	7.15
OW-5	584.16	17.91	17.71	17.7	17.68	17.98	18.27	18.31	18.58	18.48	18.53	18.24	18.25	18.14
OW-5	584.03													
OW-6	572.12	6.17	6.19	6.49	6.93	7.37	7.55	7.40	7.41	7.11	6.95	6.95	6.65	6.67
OW-6	572.17													
OW-7	574.84	8.76	8.88	9.27	10.35	10.72	10.24	10.43	10.28	9.90	9.65	9.73	9.38	9.38
OW-8	571.31	6.04	6.03	6.33	7.01	7.34	6.93	7.14	6.92	6.51	6.54	6.49	6.40	6.45
OW-9	588.32	21.20	21.21	21.65	21.88	22.11	22.22	22.20	22.03	21.70	21.73	21.65	21.67	21.78
S-1	571.84	7.85	7.47	7.78	7.61	7.63	7.55	7.62	7.59	7.95	7.57	7.68	7.65	7.56
S-2	571.81	6.17	6.15	6.35	6.79	7.35	7.69	7.31	7.49	7.09	6.96	6.94	6.56	6.55
S-3	571.84	5.99	6.03	6.27	6.85	7.52	7.78	7.41	7.53	7.1	6.9	6.91	6.46	6.47
S-4	571.51	5.61	5.61	5.96	7.81	7.91	7.03	7.33	7.00	6.51	6.32	6.46	6.08	5.88
RW-1	581.82	16.61	16.57		33.05	17.38	16.57	26.50	35.65	34.39	17.82	17.05	16.71	16.95
RW-2	581.82	25.46	16.37		26.05	25.45	25.82	25.61	26.29	25.90	25.94	26.07	15.15	25.45
RW-3	582.30	19.68	16.82		38.22	36.06	38.47	37.34	34.30	28.45	21.10	29.14	30.56	30.58
RW-4	581.83	21.91	16.46		16.88	25.85	26.60	26.27	25.45	25.47	17.97	25.40	25.48	25.77
RW-5	582.05	26.47	16.74		37.06	37.83	36.50	37.41	37.70	28.55	22.27	21.82	21.01	20.51
RW-6	570.76	5.82	5.48		15.43	15.08	19.48	22.90	16.40	13.14	11.29	10.24	6.08	6.06
RW-7	570.67	14.24	5.37		5.84	14.3	14.10	19.55	6.70	6.51	6.90	18.35	14.55	14.88
RW-8	583.83	26.63	18.55	18.85	18.95	26.32	26.30	20.18	26.08	19.36	26.09	18.86	26.85	18.46
RW-9	583.86	27.10	18.50	21.55	18.95	19.5	19.91	20.13	19.78	27.15	27.52	27.42	28.01	27.04
RW-10	583.28	22.29	21.67	22.25	23.25	23.04	22.70	22.82	23.33	22.62	22.95	22.76	22.46	22.74
RW-11	581.22	23.36	23.32	23.42	23.09	22.78	23.44	22.85	23.70	23.61	23.68	23.65	22.90	22.76
SG	568.89			0.73	0.65	0.06	0.3	DRY	DRY	DRY	DRY	0.44	0.52	0.62
SG	567.75													

Appendix B-1
Historical Water Level Data

		8/1/2001	8/24/2001	9/25/2001	10/22/2001	12/11/2001	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
	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	12.63	12.79	12.67	12.67	12.98	12.58	12.48	12.48	12.07	11.87	11.90	12.45	12.28	12.44
MW-2	578.76	13.93	14.13	13.90	14.08	14.50	14.11	13.91	13.96	13.48	13.25	13.26	13.80	13.57	13.62
MW-3	571.16	7.01	7.03	7.05	6.76	7.31	7.04	6.75	6.89	6.51	6.29	6.21	6.89	6.81	6.95
MW-4	583.83	19.22	19.52	19.51	12.27	14.45	8.50	16.02	16.51	18.55	18.64	18.81	19.25	19.02	19.12
MW-5	584.14	19.55	19.80	19.67	19.77	20.23	19.88	19.67	19.71	19.25	19.04	19.10	19.56	19.31	19.52
MW-6	585.70	21.32	21.47	21.43	21.65	21.92	21.81	21.64	21.56	20.96	20.87	20.81	21.22	21.02	21.22
MW-7	586.40	21.76	21.81	21.89	21.92	22.06	21.74	21.43	21.60	20.90	20.73	20.94	21.55	21.35	21.50
OW-1	573.63	9.60	9.67	9.53	9.59	10.10	9.77	9.55	9.67	9.28	8.82	8.93	7.42	9.28	9.31
OW-2	584.14	16.71	14.67	16.66	15.11	15.18	15.21	16.29	16.41	15.37	16.17	16.06	16.20	16.30	16.22
OW-3	576.25	11.67	11.71	11.79	11.45	11.45	11.15	10.84	10.86	10.47	10.37	10.58	10.83	10.87	11.08
OW-4	572.21	7.73	7.68	7.72	7.50	7.53	7.21	6.98	6.94	6.61	6.53	6.63	6.94	6.92	7.08
OW-5	584.16	18.16	18.24	18.32	18.52	18.65	18.01	17.69	17.70	17.40	17.15	17.30	17.41	17.39	17.57
OW-5	584.03														
OW-6	572.12	7.29	7.26	7.34	7.05	7.01	6.54	6.14	6.22	5.72	5.57	5.88	6.40	6.48	6.73
OW-6	572.17														
OW-7	574.84	10.12	10.17	10.30	9.87	9.91	9.23	8.71	8.87	8.31	8.07	8.47	9.02	9.21	9.48
OW-8	571.31	6.81	6.91	6.98	6.79	6.92	6.46	6.02	6.18	5.77	5.55	5.87	6.40	6.30	6.58
OW-9	588.32	22.12	22.17	22.37	22.06	21.90	21.38	20.92	21.27	20.77	20.48	21.07	21.68	21.87	22.07
S-1	571.84	7.53	7.27	7.26	6.56	8.21	7.95	7.90	7.72	5.82	5.85	6.15	6.19	6.15	5.92
S-2	571.81	7.17	7.15	7.23	6.91	6.91	6.57	6.31	6.30	5.89	5.83	6.01	6.33		6.60
S-3	571.84	7.29	7.13	7.27	6.91	6.85	6.4	5.98	6.03	5.54	5.42	5.68	6.11	6.27	6.54
S-4	571.51	6.56	6.59	6.71	6.45	6.72	6.16	5.39	5.64	5.07	4.72	5.23	5.71	5.98	6.26
RW-1	581.82	33.22	27.04	32.51	33.12	35.85	34.45	26.78	34.11	32.39	31.25	26.25	33.71	34.30	34.22
RW-2	581.82	25.69	17.50	25.31	25.43	25.50	25.57	25.61	26.32	25.47	26.40	25.35	25.99	26.50	17.35
RW-3	582.30	28.61	35.13	32.19	22.65	34.11	31.95	30.25	29.02	26.10	29.27	30.10	31.28	32.20	33.89
RW-4	581.83	17.26	26.33	26.35	17.46	26.16	17.55	25.94	17.45	16.55	16.75	25.85	25.97	17.04	26.35
RW-5	582.05	20.58	22.95	24.00	24.90	25.49	17.75	17.48	23.81	23.55	22.15	22.53	27.20	27.61	35.15
RW-6	570.76	14.77	6.40	14.30	14.71	15.35	8.29	7.48	7.61	14.80	14.12	14.81	11.07	14.95	14.61
RW-7	570.67	14.43	6.29	14.99	14.92	6.75	14.75	14.90	14.50	14.43	14.31	14.95	14.95	14.79	14.78
RW-8	583.83	19.33	26.41	19.38	19.55	26.45	26.70	26.07	27.03	18.95	26.76	19.05	19.18	18.99	19.12
RW-9	583.86	19.32	19.45	27.23	27.26	19.77	27.15	27.07	26.91	18.81	27.92	27.71	28.10	28.41	27.64
RW-10	583.28	22.64	18.74	23.33	23.03	22.55	23.05	22.88	23.20	17.89	17.85	17.93	21.35	18.15	18.49
RW-11	581.22	23.07	23.53	23.36	23.49	23.55	23.22	23.59	23.12	15.38	22.81	15.61	22.51	23.11	23.55
SG	568.89	0.54	0.35	0.62	0.3	DRY	DRY	DRY	DRY	0.4	0.65	0.65	0.65	0.65	0.8
SG	567.75														

Appendix B-1
Historical Water Level Data

		10/18/2002	11/22/2002	12/16/2002	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
	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	12.40	12.80	12.66	12.77	12.63	12.49	11.99	11.91	11.68	12.18	12.40	12.39	12.61	12.21
MW-2	578.76	13.65	14.30	14.25	14.50	14.51	14.24	13.68	13.59	13.30	13.68	13.75	13.68	14.10	13.76
MW-3	571.16	6.24	6.61	6.55	7.09	6.96	6.68	6.16	6.08	5.82	6.29	6.48	6.36	6.50	6.25
MW-4	583.83	18.76	19.05	19.05				18.50	18.38	18.12	18.51	18.60	18.58	18.81	16.37
MW-5	584.14	19.23	20.01	20.04		20.15	19.96	19.27	19.17	18.83	19.17	19.30	19.21	19.68	19.26
MW-6	585.70	21.02	21.81	21.85	21.88	22.04	21.81	21.11	21.02	20.67	21.15	21.08	21.09	21.48	21.30
MW-7	586.40	21.45	22.01	21.89	22.00	22.09	21.85	21.11	21.27	20.93	21.28	21.47	21.53	21.73	21.23
OW-1	573.63	8.86	9.51	9.55	9.82	9.83	9.63	9.03	8.74	8.55	8.97	9.11	9.05	9.38	8.91
OW-2	584.14	15.12	16.09	16.42		16.15	16.38	16.26	16.20	16.15	16.35	16.21	16.11	16.34	16.09
OW-3	576.25	11.26	11.25	11.69	11.53	11.83	11.91	11.19	11.10	11.00	10.98	11.56	11.81	11.74	11.13
OW-4	572.21	7.24	7.44	7.62	7.72	8.10	7.80	7.26	7.22	7.03	7.08	7.86	7.82	7.87	7.15
OW-5	584.16	17.79	17.84	18.00		17.98	18.12	17.84	17.64	17.60	17.46	17.51	17.64	17.95	17.56
OW-5	584.03														
OW-6	572.12	6.89	6.75	6.73	6.85	7.07	6.92	6.35	6.56	6.47	6.41	7.05	7.21	7.12	6.57
OW-6	572.17														
OW-7	574.84	9.53	9.82	9.62	10.17	10.42	9.73	8.89	7.39	9.23	9.52	10.64	10.43	10.37	9.27
OW-8	571.31	6.64	6.70	6.58	6.95	7.20	6.75	6.06	6.36	6.21	6.45	7.11	6.77	6.88	6.15
OW-9	588.32	22.17	21.94	21.75	21.78	21.88	21.81	21.19	21.59	21.68	21.79	22.02	22.11	21.96	21.63
S-1	571.84	5.95	7.95	7.65	7.70	7.52	7.12	7.52	7.45	7.75	6.98	7.85	7.74	7.95	7.72
S-2	571.81	6.75	6.97	7.10		7.54	7.06	6.62	6.64	6.40	6.38	7.21	7.46	7.36	6.56
S-3	571.84	6.69	6.56	6.52		6.83	6.50	6.15	6.35	6.10	6.00	6.35	6.92	7.04	6.15
S-4	571.51	6.42	6.94	7.00	7.58	7.82	6.48	5.56	6.35	6.17	7.06	8.94	7.35	7.61	5.92
RW-1	581.82	17.11	11.85	8.92	17.60	17.53	17.17	16.65	16.69	16.20	16.65	17.09	17.05	16.97	15.11
RW-2	581.82	16.90	16.06	14.96	17.40	17.31	17.25	17.31	16.67	16.21	16.47	16.85	16.77	16.85	16.30
RW-3	582.30	17.35	13.05	17.39	17.90	17.86	17.68	17.07	17.18	16.60	16.39	17.17	17.03	17.31	16.12
RW-4	581.83	17.01	17.41	17.41	17.50	17.54	17.51	16.77	16.56	16.27	16.68	16.72	17.75	17.11	16.78
RW-5	582.05	17.29	16.15	17.67	17.80	17.82	17.72	17.07	17.03	16.58	16.88	17.10	16.90	17.25	16.65
RW-6	570.76	6.11	6.25	6.35	6.50	6.67	6.49	5.88	5.77	5.34	5.75	5.88	5.84	6.21	5.62
RW-7	570.67	5.98	4.21	6.41	6.40	6.52	6.15	5.65	5.77	5.22	5.67	5.71	5.72	6.09	5.50
RW-8	583.83	19.05	19.52	19.65	19.60	19.78	18.67	18.85	18.81	18.43	18.87	18.82	18.81	19.21	19.00
RW-9	583.86	19.01	19.22	18.74		17.77	19.53								
RW-10	583.28	18.46	18.81	18.68		18.88	19.68	17.91	17.92	17.65	18.14	18.15	18.18	18.46	18.10
RW-11	581.22	16.37	16.55	16.37				15.58	15.85	15.43	15.82	16.08	15.91	16.14	15.65
SG	568.89	0.65	DRY	DRY				0.2	0.5	0.95	0.45	0.85	0.8	0.2	0.15
SG	567.75														

Appendix B-1
Historical Water Level Data

		12/15/2003	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
	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	12.56	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
MW-2	578.76	14.04	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
MW-3	571.16	6.48	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
MW-4	583.83	17.68				1.85	1.65	16.20	18.13	17.97	18.07	18.80		14.45	18.28
MW-5	584.14	19.72	19.52		19.75	19.26	18.89	18.80	18.83	18.72	18.78	19.55	19.14	18.73	18.90
MW-6	585.70	21.45	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
MW-7	586.40	21.53	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
OW-1	573.63	9.32	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
OW-2	584.14	16.21	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
OW-3	576.25	11.21	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
OW-4	572.21	7.30	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
OW-5	584.16	17.39			17.39	16.88	16.52	16.65	16.70	16.61	16.45	16.78	16.52	16.05	16.67
OW-5	584.03														
OW-6	572.12	6.61	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
OW-6	572.17														
OW-7	574.84	9.71	9.19	9.65	8.67	8.25	8.48	8.58	9.15	8.67	8.57	9.38	7.62		9.00
OW-8	571.31	6.51	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
OW-9	588.32	21.31	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
S-1	571.84	7.45	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
S-2	571.81	6.67	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
S-3	571.84	6.34	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
S-4	571.51	7.02	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
RW-1	581.82	17.18	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
RW-2	581.82	16.90	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
RW-3	582.30	17.50	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
RW-4	581.83	17.21	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
RW-5	582.05	17.50	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
RW-6	570.76	6.18	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
RW-7	570.67	6.11	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
RW-8	583.83	20.21	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
RW-9	583.86														NA
RW-10	583.28	18.30	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
RW-11	581.22	16.02	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
SG	568.89	0.1				0.4	0.6	1.0	0.9	0.9	0.9	0.1	0.4	0.9	1.1
SG	567.75														

Appendix B-1
Historical Water Level Data

		12/8/2005	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	DTW
NAME	TOC	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)
MW-1	577.68	12.42	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	14.20	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	6.71	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	18.80	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	19.80	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	21.58	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	21.45	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	9.33	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	15.15	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	10.12	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	6.72	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	17.31	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	5.80	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	8.51	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	5.85	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	20.77	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	5.45	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	5.65	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	5.54	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	5.92	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	NA
RW-2	581.82	NA	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	NA
RW-4	581.83	17.32	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	17.53	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	NA
RW-7	570.67	NA	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	NA
RW-9	583.86	NA	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	NA
RW-11	581.22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SG	568.89	DRY	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	10.70
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	7.00
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	6.20
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	17.70
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-2
Historically Detected Compounds
(Monitoring Wells, 1997-2012)

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	MW-1 162140	MW-1 G5092	MW-1 H0915	MW-1 H7392	MW-1 J8338	MW-1 M0188	MW-1 N4875	MW-1 Q3850	MW-1 R7149	MW-1 S7281	MW-1 T6808	MW-1 V4308	MW-1 Z7440	MW-1 A7549	MW-1 B4250	MW-1 E1139	MW-1 0508015-004A	MW-1 0603100-003A	MW-1 A7E98502	MW-1 RSI0359-01	MW-1 480-2185-1	MW-1 480-14453-1	MW-1 480-23574-7	
			Source: SDG: Matrix: Sampled:	Columbia MW1 Water 8/12/1997	OBG 5116 Water 11/20/1997	OBG 6847 Water 2/19/1998	OBG 7810 Water 5/27/1998	OBG 9571 Water 10/21/1998	OBG 1489 Water 4/19/1999	OBG 3856 Water 11/9/1999	OBG 5490 Water 4/27/2000	OBG 7645 Water 12/13/2000	OBG 9259 Water 6/19/2001	OBG 724 Water 12/11/2001	OB 2494 Water 6/17/2002	OB 4203 Water 12/17/2002	OB 5716 Water 6/25/2003	OB 6968 Water 12/15/2003	OB 6968 Water 6/8/2004	OB 200508 Water 8/2/2005	LSL-BL 6030950 Water 3/22/2006	TA A07-E985 Water 12/26/2007	TA RSI0296 Water 9/10/2009	TA 480-2185 Water 3/3/2011	TA 480-14453 Water 12/23/2011	TA 480-23574 Water 8/7/2012	
CAS NO.	COMPOUND		UNITS:																								
	VOLATILES																										
67-64-1	Acetone	50 (G)	µg/L	U	U	U	U	4 J	5 J, B	U	U	U	2 J	U	U	2 J, B	U	U	2 J, B	4 B, J	2 B, J	U	U	U	U	U	
75-15-0	Carbon disulfide	60 (G)	µg/L	U	U	U	U	U	19	U	7 J	U	U	U	U	U	8 J	U	U	U	U	U	U	U	U	U	
75-09-2	Methylene chloride	5	µg/L	U	U	U	U	2 J	1 J, B	U	U	1 J	U	1 J, B	1 J	0.8 J, B	U	U	0.7 J, B	0.6 B, J	U	U	U	U	U	U	
108-88-3	Toluene	5	µg/L	2 J	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	
1330-20-7	Xylene (total)	5	µg/L	2 J	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	
	Total VOCs			4	ND	ND	ND	6	25	ND	7	1	2	1	1	2.8	8	ND	2.7	4.6	2	ND	ND	ND	ND	ND	
	SEMIVOLATILES																										
117-81-7	bis(2-ethylhexyl)phthalate	5	µg/L	2 J, B	U	U	U	U	U	U	U	U	2 J	U	U	U	U	U	U	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	U	U	U	U	U	U	U	U	U	U	U	0.4 B, J	0.49 J	0.39 J	1.7 J, B	U	
	Total SVOCs			4	ND	ND	ND	ND	ND	ND	ND	ND	2	ND	ND	ND	ND	ND	ND	ND	ND	0.4	0.49	0.39	1.7	ND	
	PESTICIDES																										
309-00-2	Aldrin	ND	µg/L	U	U	U	U	U	U	U	U	U	U	U	0.0081 J, P	U	U	U	U								
319-84-6	alpha-BHC	0.01	µg/L	U	0.00055 J, P	U	0.0012 J	U	0.01 B, J, P	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	U	U	U	U	0.015 J, P	U								
50-29-3	4,4'-DDT	0.2	µg/L	U	U	U	U	U	U	U	0.0033 J, P	0.0009 J, P	U	U	U	U	U	U	U								
60-57-1	Dieldrin	0.004	µg/L	U	U	U	U	U	U	U	U	U	U	0.0011 J, P	U	U	U	U	U								
959-98-8	Endosulfan I	NS	µg/L	U	U	U	0.00072 J, P	U	0.003 J, P	0.0034 B, J, P	U	U	U	U	U	U	0.0038 J, P	U	U								
1031-07-8	Endosulfan sulfate	NS	µg/L	U	U	U	U	0.0022 B, J, P	0.0013 J, P	U	U	U	U	U	U	U	U	U	U								
72-20-8	Endrin	ND	µg/L	U	U	U	U	U	U	0.0032 J, P	U	U	U	U	U	U	U	U	U								
7421-93-4	Endrin aldehyde	5	µg/L	U	U	U	U	U	U	U	U	U	U	0.0069 B, J, P	U	U	0.005 B, J	U	U								
53494-70-5	Endrin ketone	5	µg/L	U	U	U	U	U	U	U	U	U	U	U	U	U	0.0037 J, P	U	U								
58-89-9	gamma-BHC (Lindane)	0.05	µg/L	U	U	U	U	U	U	0.032 J	0.00053 J, P	U	U	U	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	0.008 B, J, P	0.003 J	0.00053 J, P	0.0015 J, P	U	U	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	0.0038 J	0.0019 J	U	U	U	U	U	U	U	U	U								
72-43-5	Methoxychlor	35	µg/L	U	U	U	U	U	U	U	U	0.0042 B, J, P	U	U	U	U	U	U	U								
	Total Pesticides			ND	0.00055	ND	0.01192	0.0046	0.0261	0.0405	0.00683	0.0066	ND	0.008	0.0081	ND	0.0275	0.015	0.0045	NA	NA	NA	NA	NA	NA	NA	
	PCBs																										
	None detected																										
	Total PCBs			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	INORGANICS																										
7429-90-5	Aluminum	NS	µg/L	273	1580	3080	1940	2730	830	4760	7170	4880 E	4760	7810	3660	11500	4090	3680	3230								
7440-36-0	Antimony	3	µg/L	U	U	U	U	1.7 B	3.2 B	U	U	U	U	U	U	U	U	U	U								
7440-38-2	Arsenic	25	µg/L	35.3	23.9	25	23.8	23.9	24.5	29.9	29.4	29.7	29.6	40.6	28.7	36.8	35.6	28.7	31.3								
7440-39-3	Barium	1000	µg/L	733	353	447	340	353	472	516	624	537	821	419	419	1170	731	650	603								
7440-41-7	Beryllium	3 (G)	µg/L	0.46 B	0.1 B	0.17 B	U	0.14 B	0.38 B	0.24 B	0.35 B	0.53 B	0.2 B	0.41 B	0.16 B	0.63 B	0.1 B	0.1 B	U								
7440-43-9	Cadmium	5	µg/L	1.8 B	0.48 B	U	U	U	0.62 B	U	U	U	U	U	U	U	U	0.1	U								
7440-70-2	Calcium	NS	µg/L	188000	203000	213000	206000	214000	222000	247000	243000	270000	232000	256000	273000	279000	217000	230000	207000								
7440-47-8	Chromium	50	µg/L	1.7 B	6.5 B	7.2 B	5 B	11.5	9 B	12.6 E	16.9	13.7	60.7	19	9.2 B, E	21	9.3 B	8.5 B	7.8 B								
7440-48-4	Cobalt	NS	µg/L	U	U	U	U	U	U	2.8 B	3.5 B	3.4 B	2.8 B	5.9 B	U	5.4 B	U	U	U								
7440-50-8	Copper	200	µg																								

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 Compounds

Cherry Farm Groundwater Analytical Data Historically Detected Compounds		NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample	MW-2 162139	MW-2 G5114	MW-2 H0916	MW-2 H7394	MW-2 J8340	MW-2 M0190	MW-2 N4874	MW-2 Q3851	MW-2 R7150	MW-2 S7278	MW-2 T6914	MW-2 V4313	MW-2 Z7444	MW-2 A7550	MW-2 B4506	MW-2 E1069	MW-2 0508023-001A	MW-2 0603108-003A	MW-2 A7E98503	MW-2 480-2185-2	MW-2 480-14453-2	MW-2 480-23574-8
			Source: SDG: Matrix: Sampled:	Columbia MW1 Water 8/12/1997	OBG 5116 Water 11/20/1997	OBG 6847 Water 2/19/1998	OBG 7810 Water 5/28/1998	OBG 9571 Water 10/21/1998	OBG 1489 Water 4/20/1999	OBG 3856 Water 11/8/1999	OBG 5490 Water 4/27/2000	OBG 7645 Water 12/13/2000	OBG 9259 Water 6/19/2001	OBG 739 Water 12/12/2001	OB 2494 Water 6/18/2002	OB 4203 Water 12/17/2002	OB 5716 Water 6/25/2003	OB 6968 Water 12/18/2003	OB 6968 Water 6/7/2004	OB 200508 Water 8/3/2005	LSL-BL 6030950 Water 3/23/2006	TA A07-E985 Water 12/26/2007	TA 480-2185 Water 3/3/2011	TA 480-14453 Water 12/23/2011	TA 480-23574 Water 8/7/2012
CAS NO.	COMPOUND		UNITS:																						
	VOLATILES																								
67-64-1	Acetone	50 (G)	µg/L	U	U	U	U	4 J	U	U	3 J	U	4 J	U	U	2 J, B	U	U	3 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	2 J	U	4 J	U	U	U	U	U	5 J	U	U	U	U	U	U	U	U
67-66-3	Chloroform	7	µg/L	U	1 J	U	U	U	U	U	U	U	U	U	U	U	U	U	U	1 J	U	U	U	U	U
75-09-2	Methylene chloride	5	µg/L	U	U	U	U	2 J	U	U	U	U	U	1 J, B	U	0.9 J, B	U	U	0.8 J, B	0.9 B, J	1 B, J	U	U	U	U
	Total VOCs			ND	1	ND	ND	6	2	ND	7	ND	4	1	ND	2.9	5	ND	3.8	5.9	4	ND	ND	ND	ND
	SEMIVOLATILES																								
56-55-3	Benzo(a)anthracene	20 (G)	µg/L	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	1.0 J
50-32-8	Benzo(a)pyrene	NS	µg/L	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.68 J	0.83 J
205-99-2	Benzo(b)fluoranthene	0.002 (G)	µg/L	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.84 J	1.1 J	
191-24-2	Benzo(g,h,i)perylene	NS	µg/L	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.39 J	0.50 J	
117-81-7	bis(2-ethylhexyl)phthalate	5	µg/L	2 J, B	1 J	1 J	U	U	U	U	2 J, P	U	1 J	3 J, B	U	U	U	U	21	2 J	14	U	U	U	U
85-68-7	Butyl benzyl phthalate	50	µg/L	2 J, B	U	U	U	U	U	U	U	U	U	U	U	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	U	U	U	U	U	U	U	U	U	0.74 J	0.86 J	
84-66-2	Diethyl phthalate	50 (G)	µg/L	1 J	U	U	U	U	U	U	U	U	U	U	U	U	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	U	U	U	U	U	U	U	U	0.3 B, J	0.38 J	1.4 J, B	U	U
206-44-0	Fluoranthene	50 (G)	µg/L	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	1.7 J
193-39-5	Indeno[1,2,3-cd]pyrene	0.002 (G)	µg/L	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.59 J	U
85-01-8	Phenanthrene	50 (G)	µg/L	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	1.1 J
108-95-2	Phenol	1	µg/L	4 J, B	U	U	U	U	U	U	U	U	U	U	U	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	U	U	U	U	U	U	U	U	U	1.2 J	1.4 J	U
	Total SVOCs			12	1	1	ND	ND	ND	ND	2	ND	1	3	ND	ND	ND	ND	21	2	ND	14	0.38	5.25	9.08
	PESTICIDES																								
309-00-2	Aldrin	ND	µg/L	U	U	U	U	U	U	U	U	U	U	U	0.0018 J, P	U	U	U	U						
319-84-6	alpha-BHC	0.01	µg/L	U	U	U	0.0024 J	U	0.0089 B, J	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	U	U	U	0.00059 J, P	U	U	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	U	U	0.0029 J, P	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	U	U	U	U	U	U	U	U					
33213-65-9	Endosulfan II	NS	µg/L	U	U	U	0.003 J, P	U	U	U	U	U	U	U	U	U	U	U	U	U					
1031-07-8	Endosulfan sulfate	NS	µg/L	U	U	25 J, P	U	U	0.00092 J, P	0.002 J, P	U	U	U	U	U	U	U	U	U	U					
7421-93-4	Endrin aldehyde	5	µg/L	U	U	U	0.0042 J, P	0.0048	U	U	U	U	0.0069 B, J	U	U	0.0046 B, J, P	U	U	U	U					
58-89-9	gamma-BHC (Lindane)	0.05	µg/L	U	U	U	U	U	0.0051 J, P	0.037 J, P	0.0052 J, P	U	U	U	U	U	U	U	U	U					
5103-74-2	gamma-Chlordane	0.05	µg/L	U	U	U	0.0025 J, P	0.0016	0.013 B, J, P	U	U	U	U	U	U	0.0073 J	U	U	0.0049 B, J, P	U					
1024-57-3	Heptachlor epoxide	0.03	µg/L	U	U	U	0.00047 J, P	U	0.0024 J, P	U	U	U	U	U	U	U	U	U	U	U					
72-43-5	Methoxychlor	35	µg/L	U	U	U	U	U	U	U	U	0.0028 B, J, P	U	U	U	U	U	U	U	U					
	Total Pesticides			ND	ND	25	0.01257	0.0064	0.03222	0.039	0.0052	0.00629	ND	0.0069	0.0018	ND	0.0119	ND	0.0049	NA	NA	NA	NA	NA	NA
	PCBs																								
	None Detected																								
	Total PCBs			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	INORGANICS																								
7429-90-5	Aluminum	NS	µg/L	329	37800	34600	19400	17900	12100	23100	35500	6220 E	16300	40100	27800	26800	29800	36400	51300						
7440-36-0	Antimony	3	µg/L	2.6 B, E	U	U	U	U	2.9 B	U	U	U	U	U	U	U	U	U	U						
7440-38-2	Arsenic	25	µg/L	38.7	51.1	45.2	35.7	34.6	27.5	35.9	43.4	24.4	40.9	57.4	48.9	50.9	50.8	57.1	63.9						
7440-39-3	Barium	1000	µg/L	76.9 B	457	432	275	260	180 B	291	440	130 B	247	492	375	411	501	567	827						
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	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	2.2 B						
7440-43-9	Cadmium	5	µg/L	0.89 B	1.5 B	0.5 B	U	1.1 B	0.86 B	0.56 B	0.93 B	U	U	1.1 B	U	U	U	U	U						
7440-70-2	Calcium	NS	µg/L	202000	459000	452000	378000	344000	347000	345000	521000	352000	341000	514000	473000	454000	479000	524000	676000						
7440-47-8	Chromium	50	µg/L	U	94.1	89.4	77.8	103	56.3	80.2 E	111	19.6	79	102	68.6 E	62.2	83.3	79.8	114						
7440-48-4	Cobalt	NS	µg/L	U	29.4 B	23.6 B	10.8 B	13.3 B	9.2 B	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	30.3 B						
7440-50-8	Copper	200	µg/L	U	112	103	51.1	55.9	33.2	50.1	80.8	12.1 B	40.8	96.1	62.6	60.7	72.2	85.5	122						
7439-89-6	Iron	300	µg/L	6020	79000	67700	42000	38800	27200	42100	66400	12900	40500	83100	55600	54000	59400	69500	97500						
7439-92-1	Lead	25	µg/L	U	108	85.1	45.4	39.2	26.7	40.8	66.6	13.2	30.3	71.2	47.3 N	46.1	52.8	60.6	88.9						
7439-95-4	Magnesium	35000 (G)	µg/L	66300	118000	118000	95400	109000	103000	115000	171000	74300	97000	153000	113000	125000	143000	143000	207000						
7439-96-5	Manganese	300	µg/L	59.6	1920	1810	1160	1000	949	941	1910	703	777	2060	1520	1510	1570	1940	2770						
7439-97-6	Mercury	0.7	µg/L	U	0.17 B	U	0.1 B	U	U	U	U	0.17 B	U	U	U	0.06 B	U	U	0.12 B						
7440-02-0	Nickel	100	µg/L	U	77.5	73.1	51.2	61.2	35 B	53.2 E	76.4	13.3 B	53.7	90	53.4	47.9	61.6	70.5	98.1						
7440-09-7	Potassium	NS	µg/L	2200 B	7800	7460	5660	4200 B	4330 B	7560	11200	35.3 B, E	5870	11300	9800	9290	10200	10700	13600						
7782-49-2	Selenium	10	µg/L	U	6.2	U	U	2 B	U	U	U	U	U	2.8 B	U	U	U	4 B	4 B						
7440-23-5	Sodium	20000	µg/L	16500	19700	20100	15900	18700	19100	21400 E	23400	15700	15300	17700	16000 E	17300	17100	17400	19100						
7440-28-0	Thallium	.5 (G)	µg/L	27	7.6 B	6.6 B	U	U	U	U	U	U	U	5.3 B	U	U	U	U	U						
7440-62-2	Vanadium	NS	µg/L	U	71.6	60.6	39.8 B	33.7 B	23.1 B	40.3 B, E	67.8	10.5 B	31.8 B	81.5	52.2	52.4	59.8	67.6	9						

Appendix 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	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	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	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
CAS NO.	COMPOUND		UNITS:																									
	VOLATILES																											
67-64-1	Acetone	50 (G)	µg/L	U	U	U	U	4 J	6 J, J	U	U	U	5 J	U	U	4 J, B	U	U	2 J, B	4 B, J	3 B, J	U	U	U	U	U	U	U
75-15-0	Carbon disulfide	60 (G)	µg/L	U	U	U	U	U	5 J	6	U	U	U	U	U	U	3 J	U	U	U	U	U	U	U	U	U	U	U
67-66-3	Chloroform	7	µg/L	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	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	U	U	U	U	2 J, B	1 J	1 J, B	U	2 J, B	0.8 J, B	1 B, J	U	U	U	U	U	U	U
1330-20-7	Xylene (total)	5	µg/L	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	1 J	U	U	U	U	U	U	U	U	U
	Total VOCs			ND	ND	ND	ND	6	13	6	ND	ND	5	2	1	5	3	2	3.8	7	3	ND	ND	ND	ND	ND	ND	ND
	SEMIVOLATILES																											
117-81-7	bis(2-ethylhexyl)phthalate	5	µg/L	1 J, B	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	3.4 J, B	U	U
85-68-7	Butyl benzyl phthalate	50	µg/L	1 J, B	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	2.4 J	U	U
84-74-2	Di-n-butyl phthalate	50	µg/L	2 J, B	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.3 B, J	0.7 B, J	0.39 J	0.44 J	0.78 J, B	1.1 J, B	U	U
91-20-3	Naphthalene	10 (G)	µg/L	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
	Total SVOCs			4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.3	4.7	0.39	0.44	6.58	1.1	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	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	U	U	U	U	0.0055 B, J, P	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	U	U	U	U	U	U	U	U	U	U								
959-98-8	Endosulfan I	NS	µg/L	U	U	U	U	U	0.0013 J, P	U	U	U	U	U	U	U	0.0045 J, P	U	U	U								
33213-65-9	Endosulfan II	NS	µg/L	U	U	U	U	U	U	U	U	0.00082 J, P	U	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	U	0.0035 J, P	U	U	U	U	0.0062 J, P	U	0.0021 J, P	U								
72-20-8	Endrin	ND	µg/L	U	U	U	U	U	U	U	U	U	0.017 B, J, P	U	U	U	0.026 J, P	U	U	U								
7421-93-4	Endrin aldehyde	5	µg/L	U	U	U	U	U	U	U	U	U	U	0.012 B, J, P	U	U	U	U	U	U								
53494-70-5	Endrin ketone	5	µg/L	U	U	U	U	U	U	U	U	0.0024 J, P	U	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	0.002 J, P	U	U	U	U	U	U	U	U	U								
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	0.0027 J, P	U	U	U	U	U	0.0054 J, P	U	0.0027 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	U	U	U	U	U	U	0.014 J, P	U	U	U								
	Total Pesticides			ND	ND	0.0049	0.0086	0.012	0.02533	0.0138	0.0047	0.00672	0.0225	0.012	ND	ND	0.0561	ND	0.0048	NA	NA	NA	NA	NA	NA	NA	NA	NA
	PCBs																											
	None Detected																											
	Total PCBs			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	INORGANICS																											
7429-90-5	Aluminum	NS	µg/L	197 B	3510	2060	1510	789	665	512	712	816 E	458	1390	604	763	558	265	800									
7440-36-0	Antimony	3	µg/L	U	U	U	U	U	2.1 B	U	U	U	U	U	U	U	U	U	U	U								
7440-38-2	Arsenic	25	µg/L	24.2	7.9 B	U	9 B	6.2 B	2.6 B	3.9 B	2.1 B	4.5 B	2.7 B	4.2 B	3.1 B	U	U	U	U									
7440-39-3	Barium	1000	µg/L	188 B	254	245	187 B	157 B	153 B	164 B	152 B	150 B	142 B	155 B	237	229	234	213										
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	0.37 B	0.39 B	U	0.21 B	0.13 B	0.15 B	0.1 B	U	U									
7440-43-9	Cadmium	5	µg/L	5.9	0.32 B	U	U	U	U	U	U	U	U	U	U	U	U	U	U									
7440-70-2	Calcium	NS	µg/L	257000	235000	216000	188000	172000	149000	151000	141000	139000	127000	116000	101000	105000	111000	111000	112000									
7440-47-8	Chromium	50	µg/L	2.6 B	30.5	19.5	10.8	12.7	9.4 B	14.2 E	15	10.5	11.2	26.8	6.4 B, E	14.2	14	6 B	10.5									
7440-48-4	Cobalt	NS	µg/L	2.4 B	3.1 B	U	U	U	U	U	U	U	2.2 B	U	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	2.3 B	2.2 B	0.92 B	3.9 B	U	2.7 B	6 B	U	U									
7439-89-1	Iron	300	µg/L	30300	32900	25400	21300	20800	15900	16100	16100	14600	15000	16700	13600	15700	15300	13300	13400									
7439-92-1	Lead	25	µg/L	U	6.7	2.5 B	U	2.1 B	U	1.3 B	U	2.9 B	U	3.2	U	U	U	U	1.5 B									
7439-95-4	Magnesium	35000 (G)	µg/L	70600	57600	54400	45500	43500	34700	38400	35600	34500	32900	31200	27800	30400	30200	30100	29900									
7439-96-5	Manganese	300	µg/L	831	1000	934	835	734	654	631	562	581	512	520	444	485	495	479	454									
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	9.6 B	5.8 B	6 B	14.2 B	U	5.9 B	5.6 B	3.4 B	5.4 B									
7440-09-7	Potassium	NS	µg/L	13600	17400	17500	15800	13100	9730	10200	9780	9790 E	10500	7790	7350	7980	9720	10300	11600									
7782-49-2	Selenium	10	µg/L	U	4.1 B	U	U	U	U	U	U	U	U	U	2 B	U	U	2.9 B	U									
7440-22-4	Silver	50	µg/L	1.7 B	0.67 B	U	U	U	U	U	U	U	U	U	U	U	U	U	U									
7440-23-5	Sodium	20000	µg/L	129000	118000	117000	104000	104000	83100	89200 E	81700	69500	66500	62800	58900 E	57000	54600	57000	58200									
7440-28-0	Thallium	.5 (G)	µg/L	U	4.5 B	7.3 B	U	U	U	U	U	U	U	U	U	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	4.4 B	4.4 B	4.4 B	6.2 B	3.8 B	6.3 B	4.4 B	3.1 B	4.1 B									
7440-66-6	Zinc	2000 (G)	µg/L	59.1	59.9	37.7	27.4	34.6	9.1 B	26.3	13.3 B	18.7 B	7 B	28.1	46	16.8 B	28.5	3.9 B	14.5 B									
57-12-5	Cyanide	200	µg/L	U	U	U	U	U	U	U	U	U	U	12.5	U	4.9 B	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	285,656.17	268,985.79	253,052.62	236,643.81	209,914.03	217,615.25	222,163.70	222,697.30	226,603.00	NA	NA	NA	NA	NA	NA	NA	NA	NA

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 the Reporting Limit

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	MW-4 162135	MW-4 G5191	MW-4 H1021	MW-4 H7396	MW-4 J8485	MW-4 M0194	MW-4 N5016	MW-4 Q3852	MW-4 R7320	MW-4 S7324	MW-4 T7107	MW-4 V4311	MW-4 Z7814	MW-4 A7432	MW-4 B4292	MW-4 E1136	MW-4 0508042-001A	MW-4 0603100-003A	MW-4 A7E98505	MW-4 A8E30602	MW-4 RSI0359-02	MW-4 480-2185-3	MW-4 480-23574-1
			Source: SDG: Matrix: Sampled:	Columbia MW1 Water 8/12/1997	OBG 5116 Water 11/20/1997	OBG 6857 Water 2/20/1998	OBG 7810 Water 5/28/1998	OBG 9595 Water 10/22/1998	OBG 1489 Water 4/20/1999	OBG 3880 Water 11/10/1999	OBG 5490 Water 4/27/2000	OBG 7645 Water 12/15/2000	OBG 9270 Water 6/20/2001	OBG 764 Water 12/13/2001	OB 2494 Water 6/18/2002	OB 4203 Water 12/18/2002	OB 5716 Water 6/24/2003	OB 6968 Water 12/16/2003	OB 6968 Water 6/8/2004	OB 200508 Water 8/5/2005	LSL-BL 6030950 Water 3/22/2006	TA A07-E985 Water 12/26/2007	TA A08-E150 Water 11/10/2008	TA RSI0296 Water 9/10/2009	TA 480-2185 Water 3/3/2011	TA 480-23574 Water 8/7/2012
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	5 J	U	U	4 J, B	U	U	5 J, B	6 J, B	3 J, B	6	U	U	U	U
75-15-0	Carbon disulfide	60 (G)	µg/L	U	U	U	U	U	11	45	1 J	U	U	U	U	U	6 J	U	U	U	U	U	U	U	U	U
67-66-3	Chloroform	7	µg/L	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	1 J	U	U	U	U	U	U
75-09-2	Methylene chloride	5	µg/L	U	U	U	U	2 J	U	U	U	U	U	0.6 J, B	1 J	1 J, B	U	1 J, B	1 J, B	1 J, B	1 J, B	U	U	U	U	U
	Total VOCs			ND	2	3	2	6	20	45	1	ND	5	0.6	1	5	6	1	6	8	4	6	ND	ND	ND	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	U	1	U	1	U	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	U	U	U	U	U	U	U	U	U	U	0.6 J, B	0.79 J	0.31 J	U
106-44-5	4-Methylphenol	1	µg/L	U	U	U	U	U	U	U	U	U	2	U	U	U	U	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	U	U	U	U	U	2	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	U	U	U	U	U	U	U	U	U	11 B	U	U	U
	Total SVOCs			3	1	ND	ND	ND	ND	2	ND	1	2	1	ND	1	ND	ND	2	ND	ND	ND	11.6	0.79	0.31	ND
	PESTICIDES																									
309-00-2	Aldrin	ND	µg/L	U	U	U	U	U	U	U	U	0.0018 J, P	U	U	0.024 J, P	U	U	U	U							
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	U	U	U	U	0.0057 J, P	U	U	U						
5103-71-9	alpha-Chlordane	0.05	µg/L	U	U	U	U	U	0.00093 J, P	U	U	U	U	U	U	U	U	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	0.005 B, J, P	U	U	U	U	U	U	U						
319-86-8	delta-BHC	0.04	µg/L	U	U	U	U	U	U	U	U	0.00074 B, J, P	U	U	U	U	U	U	U	U						
60-57-1	Dieldrin	0.004	µg/L	U	U	U	U	U	U	U	0.002 J, P	0.0015 J, P	U	0.0074	U	U	U	U	U	U						
959-98-8	Endosulfan I	NS	µg/L	U	U	U	U	U	0.0043 J, P	0.0014 B, J, P	U	U	U	U	U	U	U	U	U	U						
33213-65-9	Endosulfan II	NS	µg/L	U	U	U	U	0.0008 J, P	U	U	U	U	U	0.0011 J, P	U	U	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	U	0.0011 J, P	U	U	U	U	U	U	U						
72-20-8	Endrin	ND	µg/L	U	U	U	0.00073 J, P	U	0.0028	U	U	U	0.00085 J, P	0.038 B, J, P	U	U	U	U	U	U						
7421-93-4	Endrin aldehyde	5	µg/L	U	U	U	U	0.0028 J, P	U	U	U	U	U	0.015 B, J, P	U	U	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	U	U	U	U	0.0033 J, P	U	U	U						
58-89-9	gamma-BHC (Lindane)	0.05	µg/L	U	U	U	U	U	0.004 J, P	U	0.0039 J, P	U	U	U	U	U	U	0.0076 J, P	U	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	U	0.0043 J, P	U	U	0.01 J	U	0.0034 B, J	U						
76-44-8	Heptachlor	0.04	µg/L	U	U	U	U	U	U	U	U	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	U	0.0032 J, P	0.0023 J, P	U	U	U	U	U						
72-43-5	Methoxychlor	35	µg/L	U	U	U	U	U	0.0033 J, P	U	U	U	U	U	U	U	U	U	U	U						
	Total Pesticides			ND	ND	ND	0.00273	0.0084	0.03507	0.0058	0.0059	0.01289	0.043	0.0359	0.0263	ND	0.019	0.0076	0.0034	NA	NA	NA	NA	NA	NA	NA
	PCBs																									
	Aroclor 1248			U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.51	U	U	
	Total PCBs			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.51	ND	ND
	INORGANICS																									
7429-90-5	Aluminum	NS	µg/L	89.7 B	1460	1300	553	515	451	787	670	1090	1090	2980	1140	324	803	4790	6050							
7440-36-0	Antimony	3	µg/L	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	2.4 B							
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	8 B	26.6	18	13.8	14.8	6.6 B	23.7							
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	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	1.1 B	0.11 B	0.09 B	U	U	U	0.05 B	U	0.31 B	U	0.26 B	U	U	U	0.2 B	0.33 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	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	140000	59000	63600	141000	132000	137000	70000	104000	83700	101000	114000	104000	119000	112000	89000	119000							
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	10.5	17.7	7.3 B, E	6 B	5.1 B	12.3	26.9							
7440-48-4	Cobalt	NS	µg/L	U	1.6 B	U	U	U	U	U	1.7 B	U	2.6 B	4 B	U	U	U	U	9.1 B							
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	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	19300	3710	1860	19400	20100	19400	2000	1250	1960	7080	17600	14500	12400	5820	6900	17900							
7439-92-1	Lead	25	µg/L	U	5.9	U	U	2.5 B	U	1.4 B	U	3	3 B	8.7	2.4 B, N	U	1.3 B	6.4	12.7							
7439-95-4	Magnesium	35000 (G)	µg/L	42700	16800	17800	38900	36700	37500	19800	29900	24200	28300	31400	28000	34500	31900	27000	32900							
7439-96-5	Manganese	300	µg/L	200	110	94.4	224	213	225	71.1	827	104	1840	1530	1610	569	1040	1810	7210							
7439-97-6	Mercury	0.7	µg/L	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.05 B							
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	8.1 B	10.1 B	U	3.4 B	8.7 B	19.2 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	2870 B	5110	4430 B	2250 B	4290 B	3240 B	4840 B							
7782-49-2	Selenium	10	µg/L	U	U	U	U	U	U	U	U	U	U	U	U	3.3 B	2.9 B	U								
7440-23-5	Sodium	20000	µg/L	70700	3490 B	5100	64100	70500	75000	9540 E	5100	4750 B	42400	115000	145000 E	50700	65200	3450 B	103000							
7440-28-0	Thallium	.5 (G)	µg/L	U	U	4.1 B	U	U	U	U	U	U	U	U	U	U	U	U	12.3							
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	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	87.5	51	27.6	25.1	24.2	13.2 B	22.4	21	16.8 B	20.1	36.1	11.7 B	23.8	49	130								
57-12-5	Cyanide	200	µg/L	U	U	U	U	U	U	U	U	U	U	U	16.3	U	U	U	U							
	Total Inorganics			275,239.30	85,804.51	91,986.5																				

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	MW-5 162136	MW-5 G5119	MW-5 H1022	MW-5 H7532	MW-5 J8487	MW-5 M0195	MW-5 N5017	MW-5 Q4026	MW-5 R7321	MW-5 S7323	MW-5 T7108	MW-5 V4312	MW-5 Z7815	MW-5 A7431	MW-5 B4468	MW-5 E1138	MW-5 0508042-002A	MW-5 0603100-004A	MW-5 A8E30603	MW-5 RSI0359-02	MW-5 RTF0798-04	MW-5 480-2185-4	MW-5 480-14453-4	MW-5 480-23574-2
		Source: SDG:	Columbia MW1		OBG 5116 Water	OBG 6857 Water	OBG 7830 Water	OBG 9595 Water	OBG 1489 Water	OBG 3880 Water	OBG 5512 Water	OBG 7645 Water	OBG 9270 Water	OBG 764 Water	OB 2494 Water	OB 4203 Water	OB 5716 Water	OB 6968 Water	OB 6968 Water	OB 200508 Water	LSL-BL 6030950 Water	TA A08-E150 Water	TA RSI0296 Water	TA RTF0798 Water	TA 480-2185 Water	TA 480-14453 Water	TA 480-23574 Water
		Matrix: Sampled:	8/12/1997	11/20/1997	2/20/1998	5/29/1998	10/22/1998	4/20/1999	11/10/1999	4/28/2000	12/15/2000	6/20/2001	12/13/2001	6/18/2002	12/18/2002	6/24/2003	12/18/2003	6/8/2004	8/5/2005	3/22/2006	11/10/2008	9/10/2009	6/10/2010	3/3/2011	12.23/2011	8/7/2012	
CAS NO.	COMPOUND		UNITS:																								
VOLATILES																											
67-64-1	Acetone	50 (G)	µg/L	U	U	5 J	10	19	7 J	U	U	7 J	6	U	U	4	3	U	3	4	3	U	U	U	U	4.1 J	U
71-43-2	Benzene	1	µg/L	3 J	25	92	97	110	110	U	47	84	57	63	86	52	38	10	22	47	33	60	76	80 DO3	48	56	97
78-93-3	2-Butanone	50	µg/L	U	U	2 J	U	U	U	U	U	U	U	U	1	U	U	U	U	U	U	U	U	U	U	U	
75-15-0	Carbon disulfide	60 (G)	µg/L	U	U	U	U	U	6 J	U	3 J	U	U	U	U	2	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	2	U	U	U	U	U	U	U	U	U	U	U	U	U	
67-66-3	Chloroform	7	µg/L	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	3	U	U	U	U	U	U	
74-87-3	Chloromethane	5	µg/L	U	U	U	U	U	U	U	U	U	2	U	U	U	U	U	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	8 J	6	4	7	4	2	U	0.6	3	1	3	4.4 J	U	2.3	1.2	7.6
75-09-2	Methylene chloride	5	µg/L	U	U	U	U	1 J	U	U	U	U	0.7	U	0.5	U	U	0.7	2	1	U	U	U	U	U	U	
100-42-5	Styrene	5	µg/L	U	U	2 J	1 J	1 J	2 J	U	U	1 J	U	0.8	U	1	0.5	U	U	U	U	U	U	U	U	U	
108-88-3	Toluene	5	µg/L	U	4 J	28	35	28	15	U	3 J	8 J	6	4	7	5	4	U	0.9	7	2	5	5.6	3.7 DO3, J	1.4	2.3	11
1330-20-7	Xylene (total)	5	µg/L	U	2 J	29	42	40	40	25	9 J	27	18	19	31	17	7	U	2	9	4	10	16	12 DO3	7.9	6.2	29
Total VOCs				3	31	163	193	209	190	32	65	135	97	91.5	131	84.5	56.5	10	29.2	75	44	78	102	95.7	59.6	69.8	144.6
SEMIVOLATILES																											
117-81-7	bis(2-ethylhexyl)phthalate	5	µg/L	2 J, B	U	U	U	U	U	U	U	U	U	2 J, B	U	U	U	U	U	1 J	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	U	U	U	U	U	U	U	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	U	U	U	U	U	U	U	U	U	U	0.7 J2	0.58 J	U	1.3 J, B	U	
105-67-9	2,4-Dimethylphenol	1	µg/L	U	7 J	25	30	23	18	3 J	8 J	20	9 J	9 J	16	13	7 J	U	2 J	5 J	2 J	4 J	6	2.9 J	0.84 J	2.5 J	8
95-48-7	2-Methylphenol	1	µg/L	U	2 J	6 J	6 J	4 J	3 J	U	2 J	2 J	U	U	2 J	2 J	1 J	U	U	1 J	U	0.7 J	1.4 J	U	U	0.49 J	2.3 J
106-44-5	4-Methylphenol	1	µg/L	U	4 J	9 J	U	1 J	6 J	U	2 J	4 J	3 J	U	4 J	4 J	2 J	U	U	1 J	U	1 J	1.6 J	U	U	0.54 J	2.1 J
91-20-3	Naphthalene	10 (G)	µg/L	1 J	4 J	8 J	4 J	9 J	10 J	3 J	10 J	8 J	1 J	1 J	U	13	5 J	U	U	U	1 J	11 B	23	17	7.9	8.9	39
108-95-2	Phenol	1	µg/L	3 J, B	3 J	6 J	2 J	1 J	4 J	U	3 J	2 J	2 J	3 J	U	4 J	U	U	1 J	U	2 J	0.8 J	U	U	U	U	U
Total SVOCs				11	20	54	42	38	41	6	25	36	15	15	22	36	15	ND	3	8	5	32.5	32.7	20.48	8.74	13.73	51.4
PESTICIDES																											
309-00-2	Aldrin	ND	µg/L	U	U	U	U	U	0.0016 J, P	U	0.0016 J, P	0.0031 J, P	U	U	0.044 J, P	U	U	U	U	U	U	U	U	U	U	U	U
319-84-6	alpha-BHC	0.01	µg/L	U	U	U	U	U	0.0069 B, J, P	U	U	0.0012 J, P	U	U	U	U	U	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	0.0011 J, P	U	U	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	U	0.0079 J, P	U	U	U	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	U	U	U	U	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	0.0011 J, P	0.0014 J, P	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	
50-29-3	4,4'-DDT	0.2	µg/L	U	U	U	U	U	0.0015 J, P	U	U	U	U	U	0.0037 J, P	U	U	U	U	U	U	U	U	U	U	U	U
319-86-8	delta-BHC	0.04	µg/L	U	U	U	U	0.0015 J, P	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	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	0.0011 J, P	U	0.012 B, J	U	U	U	U	U	U	U	U	U	U	U	U	
959-98-8	Endosulfan I	NS	µg/L	U	U	U	U	U	0.0025 J, P	0.013 B, J, P	U	0.0024 J, P	U	U	0.0066 J, P	U	U	U	U	U	U	U	U	U	U	U	
33213-65-9	Endosulfan II	NS	µg/L	U	U	0.0026 J	0.0011 B, J, P	U	U	U	U	0.0021 J, P	U	0.00076 J, P	U	U	U	U	U	U	U	U	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	0.0021 J, P	U	U	U	U	U	U	U	U	U	U	U	U	U	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	0.0056 J, P	U	U	U	U	U	U	U	U	U	U	U	U	U	U	
7421-93-4	Endrin aldehyde	5	µg/L	U	U	U	U	U	U	U	U	0.0017 J, P	U	0.0088 B, J, P	U	0.015 B, J, P	U	U	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	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	
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	U	U	0.018 J, P	0.0075 J, P	U	0.0092 J	U	U	U	U	U	U	U	U	U	
76-44-8	Heptachlor	0.04	µg/L	U	U	U	0.0047 J, P	U	0.0031 J, P	0.0072 J, P	U	U	U	0.0054 J, P	U	U	U	U	U	U	U	U	U	U	U	U	
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	0.0017 J, P	U	0.002 J, P	0.0074 J	U	U	U	U	U	U	U	U	U	U	U	
72-43-5	Methoxychlor	35	µg/L	U	U	U	U	U	0.0061 J	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	
Total Pesticides				ND	ND	0.0188	0.0274	0.0156	0.04432	0.0531	0.04909	0.021	ND	0.0518	0.0668	ND	0.0308	ND	0.0048	NA	NA	NA	NA	NA	NA	NA	NA
PCBs																											
None Detected																											
Total PCBs				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	697 E	346	801	573	272	181 B	116 B	139 B								
7440-36-0	Antimony	3	µg/L	U	U	U	U	2.9 B	2.5 B	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	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	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	171 B	324	156 B	114 B	109 B	139 B	167 B	204	148	172 B	193 B	158 B	187 B	169 B	166 B	165 B								
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	0.46	U	0.24 B	0.21 B	0.14 B	U	U	U								
7440-43-9	Cadmium	5	µg/L	6.6	U	U	U	U	U	U	U	U	U	0.4 B	U	U	U	U	U								
7440-70-2	Calcium	NS	µg/L	196000	153000	51600	38500	36100	44900	59300	133000	53000	68700	62400	50300	94500	143000	170000	156000			</					

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	MW-6 162137	MW-6 G5189	MW-6 H1023	MW-6 H7533	MW-6 J8491	MW-6 M0298	MW-6 N4878	MW-6 Q4027	MW-6 R7179	MW-6 S7280	MW-6 T6911	MW-6 V4636	MW-6 Z7812	MW-6 A7433	MW-6 B4508	MW-6 E1190	MW-6 0508015-003A	MW-6 0603108-002A	MW-6 A7E98507	MW-6 A8E30604	MW-6 RTF0798-05	MW-6 480-2185-5	MW-6 480-14453-5	MW-6 480-23574-3
			Source: SDG:	Columbia MW1	OBG 5116 Water	OBG 6857 Water	OBG 7830 Water	OBG 9596 Water	OBG 1516 Water	OBG 3856 Water	OBG 5512 Water	OBG 7645 Water	OBG 9259 Water	OBG 739 Water	OB 2494 Water	OB 4203 Water	OB 5716 Water	OB 6968 Water	OB 6968 Water	OB 200508 Water	LSL-BL 6030950 Water	TA A07-E985 Water	TA A08-E150 Water	TA RTF0798 Water	TA 480-2185 Water	TA 480-14453 Water	TA 480-23574 Water
			Matrix: Sampled:	8/12/1997	11/20/1997	2/20/1998	5/29/1998	10/23/1998	4/21/1999	11/9/1999	4/28/2000	12/14/2000	6/19/2001	12/12/2001	6/19/2002	12/18/2002	6/24/2003	12/18/2003	6/9/2004	8/1/2005	3/23/2006	12/26/2007	11/10/2008	6/10/2010	3/3/2011	12/23/2011	8/7/2012
CAS NO.	COMPOUND		UNITS:																								
	VOLATILES																										
67-64-1	Acetone	50 (G)	ug/L	U	U	U	U	7 J, B	U	U	U	3 J	5 J	U	U	4 J, B	U	U	2 J, B	3 J, B	2 J, B	U	U	U	U	U	U
75-15-0	Carbon disulfide	60 (G)	ug/L	U	U	U	U	U	4 J	6 J	7 J	U	U	U	U	U	1 J	U	U	U	U	U	U	U	U	U	U
75-09-2	Methylene chloride	5	ug/L	U	U	U	U	U	1 J, B	U	U	U	U	1 J, B	U	1 J, B	U	U	0.6 J, B	0.7 J, B	0.8 J, B	U	U	U	U	U	U
	Total VOCs			ND	ND	ND	ND	7	5	6	7	3	5	1	ND	5	1	ND	2.6	3.7	2.8	ND	ND	ND	ND	ND	ND
	SEMIVOLATILES																										
117-81-7	bis(2-ethylhexyl)phthalate	5	ug/L	U	U	U	U	U	U	U	1 J	U	3 J	1 J, B	U	U	U	U	4 J	U	U	17	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	U	U	U	U	U	U	U	U	U	U	0.4 J, B	0.3 J	0.45 J	0.43 J	0.98 J, B	U
	Total SVOCs			1	ND	ND	ND	ND	ND	ND	1	ND	3	1	ND	ND	ND	ND	4	ND	ND	17.4	0.3	0.45	0.43	0.98	ND
	PESTICIDES																										
309-00-2	Aldrin	ND	ug/L	U	U	U	U	U	U	U	0.012 J	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	0.00061 B, J, P	U	U	U	U	U	U	U	U	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	U	U	U	U	U	U	U	U								
50-29-3	4,4'-DDT	0.2	ug/L	U	U	U	U	U	U	U	U	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	U	U	U	U	U	U	U	U								
959-98-8	Endosulfan I	NS	ug/L	U	U	U	U	0.0014 J, P	U	U	U	U	U	U	U	U	U	U	U								
1031-07-8	Endosulfan sulfate	NS	ug/L	U	U	U	U	0.0023 J, P	U	U	U	U	U	U	U	U	U	U	0.0071 J, P								
72-20-8	Endrin	ND	ug/L	U	U	U	U	U	U	U	U	0.00069 J, P	U	U	U	U	U	U	U								
7421-93-4	Endrin aldehyde	5	ug/L	U	U	U	U	U	U	U	U	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	0.0032 J, P	U	U	U	U	U	U	U	U	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	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	U	U	U	U	U	U	U	U								
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	0.00057 J, P	U	U	U	U	U	U	U								
	Total Pesticides			ND	ND	0.0032	0.00383	0.00716	0.0124	ND	0.02106	0.00296	0.006	0.01	0.012	ND	0.0056	ND	0.0107	NA	NA	NA	NA	NA	NA	NA	NA
	PCBs																										
	None Detected																										
	Total PCBs			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	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	2.7 B	U	U	1.9 B	U	U	U	U	U	U	U	U	U	U	U								
7440-38-2	Arsenic	25	ug/L	8 B	U	U	U	U	U	U	U	U	U	U	U	1.9 B	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	158 B	154 B	149 B	111 B	84 B	107 B	110 B	105 B								
7440-41-7	Beryllium	3 (G)	ug/L	0.95 B	U	0.07 B	U	U	U	0.07 B	U	0.29 B	U	0.11 B	0.17 B	U	U	U	U								
7440-43-9	Cadmium	5	ug/L	3 B	U	U	U	0.53 B	U	U	U	U	U	U	U	U	U	U	U								
7440-70-2	Calcium	NS	ug/L	123000	168000	165000	166000	161000	159000	167000	252000	247000	254000	235000	235000	171000	148000	158000	154000								
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	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	0.97 B	1.1 B	U	1.3 B	U	0.83 B	U	U	1.8 B	U	2.3 B	U	U	U	U								
7439-89-6	Iron	300	ug/L	14600	20700	22400	21600	18100	17500	19600	33100	46900	66600	54000	46700	36100	27000	26600	24500								
7439-92-1	Lead	25	ug/L	U	U	U	U	U	U	U	U	2.9 B	U	1.6 B	U	U	U	U	0.69 B								
7439-95-4	Magnesium	35000 (G)	ug/L	24900	25600	25700	24400	19500	16400	17800	36000	49200	61500	49500	53600	44400	35600	36900	34500								
7439-96-5	Manganese	300	ug/L	1010	1420	1590	1610	1150	1220	1470	2100	3310	4620	4190	2900	2000	1530	1420	1300								
7440-02-0	Nickel	100	ug/L	U	0.71 B	U	U	U	U	1.3 B, E	U	U	U	1.4 B	U	U	U	U	U								
7440-09-7	Potassium	NS	ug/L	12300	22900	23100	25600	36900	54100	57900	56600	32800 E	31300	51800	22500	17200	14600	13200	12300								
7782-49-2	Selenium	10	ug/L	U	U	U	U	U	U	U	U	U	2.7 B	U	U	U	U	2.7 B	U								
7440-22-4	Silver	50	ug/L	1.5 B	0.64 B	0.75 B	U	U	U	U	U	U	U	U	U	U	U	U	U								
7440-23-5	Sodium	20000	ug/L	28700	35900	36300	33600	32800	36500	43500 E	58300	62400	7														

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-7
Historically Detected Compounds

Cherry Farm Monitoring Wells Historically Detected Compounds		NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample	MW-7 162138	MW-7 G5190	MW-7 H1024	MW-7 H7534	MW-7 J8492	MW-7 M0299	MW-7 N4879	MW-7 Q4029	MW-7 R7151	MW-7 S7277	MW-7 T6913	MW-7 V4634	MW-7 Z9833	MW-7 A7552	MW-7 B4509	MW-7 E1192	MW-7 0508015-001A	MW-7 0603108-002A	MW-7 A7E98508	MW-7 A8E15004	MW-7 480-2185-6	MW-7 480-14453-6	MW-7 480-23574-4
			Source: SDG:	Columbia MW1	OBG 5116	OBG 6857	OBG 7830	OBG 9596	OBG 1516	OBG 3856	OBG 5512	OBG 7645	OBG 9259	OBG 739	OB 2494	OB 4203	OB 5716	OB 6968	OB 6968	OB 200508	LSL-BL 6030950	TA A07-E985	TA A08-E150	TA 480-2185	TA 480-14453	TA 480-23574
			Matrix: Sampled:	Water 8/12/1997	Water 11/20/1997	Water 2/20/1998	Water 5/29/1998	Water 10/23/1998	Water 4/21/1999	Water 11/9/1999	Water 4/28/2000	Water 12/13/2000	Water 6/18/2001	Water 12/12/2001	Water 6/19/2002	Water 12/19/2002	Water 6/25/2003	Water 12/18/2003	Water 6/9/2004	Water 8/1/2005	Water 3/23/2006	Water 12/26/2007	Water 11/6/2008	Water 3/3/2011	Water 12/23/2011	Water 8/7/2012
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	U	U	U	3 J, B	U	U	3 J, B	4 J, B	2 J, B	U	U	U	U	U
75-15-0	Carbon disulfide	60 (G)	µg/L	U	U	U	U	U	11	8 J	4 J	U	U	U	U	U	30	U	U	U	U	U	U	U	U	U
75-09-2	Methylene chloride	5	µg/L	U	U	U	U	1 J	U	U	U	1 J	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	U	U	U	U	U
127-18-4	Tetrachloroethene	5	µg/L	U	U	U	U	U	U	U	U	1 J	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1330-20-7	Xylene (total)	5	µg/L	U	U	U	U	1 J	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
	Total VOCs			ND	ND	ND	ND	10	11	8	4	10	ND	0.9	1	4	30.5	ND	3.7	6	3	ND	ND	ND	ND	ND
	SEMIVOLATILES																									
56-55-3	Benzo[a]anthracene	20 (G)	µg/L	U	U	U	U	U	U	U	U	U	U	U	U	9 J	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	U	U	7 J	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	U	U	14	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	U	U	4 J	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	U	U	4 J	U	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	4 J	U	U	11	U	U	18	U	U	37	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	U	U	U	U	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	U	U	7 J	U	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	U	U	U	U	U	U	U	U	U	0.4 J, B	0.3 J	0.41 J	1.0 J, B	U
105-67-9	2,4-Dimethylphenol	1	µg/L	U	U	U	U	U	U	U	U	U	U	U	U	6 J	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	U	U	13	U	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	U	U	U	4 J	U	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	U	U	U	1	U	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	U	U	U	3 J	U	U	U	U	U	0.4 J	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	U	U	U	U	U	U	U	U	U	U	U	U	U	U
108-95-2	Phenol	1	µg/L	2 J, B	U	U	U	U	U	U	U	U	U	U	U	U	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	U	U	26	U	U	U	U	U	U	U	U	U	U
	Total SVOCs			18	8	3	1	ND	ND	ND	ND	ND	4	ND	ND	109	ND	ND	18	ND	ND	37.4	0.7	0.41	1	ND
	PESTICIDES																									
309-00-2	Aldrin	ND	µg/L	U	U	U	U	U	U	U	U	U	U	U	0.011 J, P	U	U	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	U	U	U	U	U	U	U	U	U	U	U	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	U	U	U	U	U	U	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	U	U	U	U	U	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	U	U	U	U	U	U	U	U	U	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	U	0.0027 J	U	U	U	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	U	U	U	U	U	U	U	U	U	U	U	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	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1031-07-8	Endosulfan sulfate	NS	µg/L	U	U	0.0033 J, P	U	U	U	U	U	0.1 J, P	U	U	U	U	U	U	U	U	U	U	U	U	U	U
7421-93-4	Endrin aldehyde	5	µg/L	U	U	U	U	U	U	U	U	U	U	0.021 B, J	U	U	0.004 B, J	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	U	U	U	U	U	U	U	U	U	U	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	U	0.0039 J	U	U	U	U	U	0.0024 B, J, P	U	U	U	U	U	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	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1024-57-3	Heptachlor epoxide	0.03	µg/L	U	U	U	U	0.0048 J	U	0.0018 B, J, P	0.0018 B, J, P	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
72-43-5	Methoxychlor	35	µg/L	U	U	U	U	U	U	U	U	0.044 B, J, P	U	U	U	U	U	U	U	U	U	U	U	U	U	U
	Total Pesticides			ND	ND	0.0088	0.00627	0.005	0.0201	0.012	0.0089	0.1485	0.003	0.0276	0.011	ND	0.004	ND	0.0024	NA	NA	NA	NA	NA	NA	NA
	PCBs																									
	PCB-1242			U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	1.5
	Total PCBs			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.5
	INORGANICS																									
7429-90-5	Aluminum	NS	µg/L	122	24900	1540	398	189 B	316	711	1730	544 E	79.1 B	265	582	304	315	224	329	U	U	U	U	U	U	U
7440-36-0	Antimony	3	µg/L	U	8.6 B	U	U	U	U	U	U	U	U	U	U	U	U	U	U	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	15.5	25	19.9	21.3	15.8	20.9	16.8	U	U	U	U	U	U	U
7440-39-3	Barium	1000	µg/L	246	637	543	612	616	575	614	626	538	374	388	375	369	360	348	362	U	U	U	U	U	U	U
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	U	0.11 B	0.22 B	U	U	U	U	U	U	U	U	U	U	U
7440-43-9	Cadmium	5	µg/L	4 B	1.1 B	U	U	U	U	U	U	U	U	0.62 B	U	U	U	U	U	U	U	U	U	U	U	U
7440-70-2	Calcium	NS	µg/L	60800	214000	104000	106000	103000	110000	111000	120000	125000	107000	112000	112000	109000	109000	108000	114000	U	U	U	U	U	U	U
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	6.6 B	8.7 B	4.6 B, E	11.5	5.7 B	U	4.9 B	U	U	U	U	U	U	U
7440-48-4	Cobalt	NS	µg/L	U	17.6 B	U	U	U	U	U	1.7 B	U	U	1.5 B	U	U	U	U	U	U	U	U	U	U	U	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	U	U	U	U	0.9 B	U	U	U	U	U	U	U	U	U
7439-89-6	Iron	300	µg/L	17900	75100	13100	11200	11200	12300	14300	27200	17700	25100	30700	26500	26300	22800	23900	23200	U	U	U	U	U	U	U
7439-92-1	Lead	25	µg/L	U	53.2	U	U	U	U	U	3 B	2.6 B	U	U	U	U	U	U	0.8 B							

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:	RW-4 0508082-002A	RW-4 0603110-002A	RW-4 A7E98509	RW-4 A8E15005	RW-4 480-2185-8	RW-4 480-14402-1	RW-4 480-23574-5	RW-5 0508082-001A	RW-5 0603110-001A	RW-5 A7E985010	RW-5 A8E15006	RW-5 RSI0296-05	RW-5 RTF0903-03	RW-5 480-2185-9	RW-5 480-14402-2	RW-5 480-23574-6
			Source: SDG: Matrix: Sampled:	OB 200508 Water 8/11/2005	LSL-BL 6030950 Water 3/24/2006	TA A07-E985 Water 12/27/2007	TA A08-E150 Water 11/5/2008	TA 480-2185 Water 3/3/2011	TA 480-14402 Water 12/22/2011	TA 480-23574 Water 8/7/2012	OB 200508 Water 8/11/2005	LSL-BL 6030950 Water 3/24/2006	TA A07-E985 Water 12/27/2007	TA A08-E150 Water 11/5/2008	TA RSI0296 Water 9/8/2009	TA RTF0798 Water 6/14/2010	TA 480-2185 Water 3/3/2011	TA 480-14402 Water 12/22/2011	TA 480-23574 Water 8/7/2012
CAS NO.	COMPOUND		UNITS:																
	VOLATILES																		
67-64-1	Acetone	50 (G)	µg/L	5 J, B	1 J, B	U	U	U	U	U	5 J, B	2 J, B	U	U	2.8 J	U	U	U	U
71-43-2	Benzene	1	µg/L	4 J	U	U	U	U	9.9	6.5	25	U	U	U	1.8	0.89 J	U	U	41
75-15-0	Carbon Disulfide	60 (G)	µg/L	U	U	U	U	U	0.52 J, B	U	U	U	U	U	U	U	U	0.56 J, B	U
156-59-2	cis-1,2-Dichloroethene	5	µg/L	0.7 J	U	U	U	U	U	U	U	U	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	12	U	U	U	U	U	U	U	15
75-09-2	Methylene chloride	5	µg/L	0.9 J, B	0.9 J, B	U	U	U	U	U	1 J, B	U	U	U	U	U	U	U	U
100-42-5	Styrene	5	µg/L	U	U	U	U	U	U	U	10	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	15	U	U	U	U	U	U	U	1.5
1330-20-7	Xylenes, Total	5	µg/L	U	U	U	U	U	1.2 J	3.3	U	U	U	U	U	U	U	U	24
	Total VOCs			12.3	1.9	ND	ND	ND	13.94	11.95	68	2	ND	ND	4.6	0.89	ND	0.56	81.5
	SEMIVOLATILES																		
120-12-7	Anthracene	50 (G)	µg/L	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.64 J	U
208-96-8	Acenaphthylene	NS	µg/L	U	U	U	U	U	U	U	5 J	U	U	U	U	U	U	U	0.77 J
56-55-3	Benzo(a)anthracene	0.002 (G)	µg/L	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.72 J	U
50-32-8	Benzo(a)pyrene	NS	µg/L	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.48 J	U
205-99-2	Benzo(b)fluoranthene	0.002 (G)	µg/L	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.54 J	U
191-24-2	Benzo(g,h,i)perylene	NS	µg/L	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.57 J	U
101-55-3	4-Bromophenyl phenyl ether	NS	µg/L	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.63 J	U
117-81-7	Bis(2-ethylhexyl)phthalate	5	µg/L	U	U	U	U	U	U	U	U	U	U	U	U	U	U	3.2 J	U
85-68-7	Butyl benzyl phthalate	50 (G)	µg/L	U	U	U	U	U	U	U	U	U	U	U	U	U	U	3.4 J	U
86-74-8	Carbazole	NS	µg/L	U	U	U	U	U	U	U	2 J	U	U	U	U	U	U	0.34 J	U
218-01-9	Chrysene	0.002 (G)	µg/L	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.62 J	U
53-70-3	Dibenz(a,h)anthracene	NS	µg/L	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.53 J	U
81-74-2	Di-n-butyl phthalate	50	µg/L	U	2 J	U	U	0.37 J	U	U	U	U	U	0.3 J	U	U	0.34 J	0.83 J	U
117-84-0	Di-n-octyl-phthalate	50 (G)	µg/L	U	U	U	U	U	U	U	U	U	U	U	U	U	U	3.0 J	U
106-46-7	1,4-Dichlorobenzene	3	µg/L	U	U	U	0.5 B, J	U	0.34 J	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	U	U	U	U	0.69 J	U
193-39-5	Ideno(1,2,3-cd)pyrene	0.002 (G)	µg/L	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.55 J	U
91-57-6	2-Methylnaphthalene	NS	µg/L	U	U	U	U	U	U	U	8 J	U	U	U	U	U	U	U	1.7 J
100-02-7	4-Nitrophenol	1	µg/L	U	U	U	U	U	U	U	3 J	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	430 E	U	U	U	U	U	U	U	8.8
85-01-8	Phenanthrene	50 (G)	µg/L	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.89 J	U
108-95-2	Phenol	1	µg/L	U	U	U	U	U	U	U	3 J	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	U	U	U	U	0.76 J	U
	Total SVOCs			7	2	ND	0.7	0.37	3.54	5.8	451	ND	ND	0.3	ND	ND	0.34	18.39	11.27
	PCBs																		
	None detected																		
	Total PCBs			ND	ND	ND	ND	ND	ND	ND	ND	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-3
Historically Detected Compounds
(Sumps, 1997-2012)

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	S-1 G5093	S-1 H0918	S-1 H7400	S-1 J8341	S-1 M0193	S-1 N4877	S-1NAPL A9751104	S-1 Q3849	S-1 R7180	S-1 S7322	S-1 T7106	S-1 V4632	S-1 Z7813	S-1 A7429	S-1 B4467	S-1 E1135	S-1 0508015-006A	S-1 0603095-002A	S-1 A7E985011	S-1 A8E30606	S-1 RSI0312-01	S-1 RTF0860-02	S-1 480-2227-1	S-1 480-14339-1	S-1 480-23637-1
			Source: SDG: Matrix: Sampled:	OBG 5116 Water 11/20/1997	OBG 6847 Water 2/18/1998	OBG 7810 Water 5/28/1998	OBG 9571 Water 10/21/1998	OBG 1489 Water 4/20/1999	OBG 3856 Water 11/9/1999	OBG 11090 Water 11/9/1999	OBG 5490 Water 4/26/2000	OBG 7645 Water 12/14/2000	OBG 9270 Water 6/20/2001	OBG 764 Water 12/13/2001	OB 2494 Water 6/19/2002	OB 4203 Water 12/18/2002	OB 5716 Water 6/24/2003	OB 6968 Water 12/18/2003	OB 6968 Water 6/8/2004	OB 200508 Water 8/2/2005	LSL-BL 6030950 Water 3/21/2006	TA A07-E985 Water 12/27/2007	TA A08-E150 Water 11/10/2008	TA RSI0296 Water 9/9/2009	TA RTF0798 Water 6/11/2010	TA 480-2185 Water 3/4/2011	TA 480-14339 Water 12/21/2011	TA 480-23637 water 8/8/2012
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	U	6 J, B	6 J	U	10 J, B	5 J, B	5 J, B	U	U	5.5	U	U	U	4.1 J
71-43-2	Benzene	0.7	µg/L	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.44 J	0.41 J	
78-93-3	2-Butanone	50	µg/L	U	U	U	U	U	U	U	U	U	3 J	U	U	2 J	U	U	2 J	U	U	U	U	U	U	U	U	
75-15-0	Carbon disulfide	60 (G)	µg/L	U	U	U	U	7 J	U	U	U	U	U	U	15	U	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	U	U	U	U	U	0.8 J	U	0.6 J	0.7 J	0.8 J	3 J	U	U	U	6.0	10	U	
75-00-3	Chloroethane	5	µg/L	U	U	U	U	U	U	U	U	U	1 J	U	U	U	U	U	U	U	U	U	U	U	1.1	U	0.69 J	
74-87-3	Chloromethane	5	µg/L	U	U	U	U	U	U	U	U	U	2 J	U	U	U	U	U	U	U	U	U	U	U	U	U	U	
75-34-3	1,1-Dichloroethane	5	µg/L	2 J	2 J	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.5 J	U	0.44 J	U	U	
156-59-2	cis-1,2-Dichloroethene	5	µg/L	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	2 J	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	U	U	U	U	U	U	U	U	4.8	4 DO3, J	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	U	U	U	U	U	0.6 J	U	U	U	U	U	U	U	U	
75-09-2	Methylene chloride	5	µg/L	U	U	U	2 J	U	U	U	U	U	1 J	0.6 J, B	2 J	0.7 J, B	0.5 J	U	1 J, B	0.9 J, B	1 J, B	U	U	U	U	U	U	
127-18-4	Tetrachloroethene	5	µg/L	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.49 J	
108-88-3	Toluene	5	µg/L	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.7 J	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	U	U	U	U	U	U	U	U	U	0.66 J	U	U	U	U	
75-01-4	Vinyl chloride	3	µg/L	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.59 J	U	U	U	U	
1330-20-7	Xylene (total)	5	µg/L	2 J	2 J	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	
Total VOCs				14	10	9	14	20	7	NA	7	5	19	4.6	17	9.5	6.5	ND	14.2	7.3	8.8	3	ND	12.05	4	7.54	10.44	5.69
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	U	U	U	10 J, D	U	2 J	U	1 J	U	U	U	2.5 J	2.0 J	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	U	U	U	U	U	U	0.8 J	U	U	U	U	U	U	0.64 J
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	29 J, D	U	90 J, D	56 D	13	12	61 J	U	U	U	U	U	0.74 J	
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	26 J, D	U	72 J, D	53 D	10 J	10	62 J	U	0.3 J	37 J	U	U	0.77 J	
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	45 J, D	57 J	110 J, D	84 D	15 J	20	100 J	U	0.3 J	47 J	U	U	1.1 J	
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	U	U	U	U	4 J	4 J	33 J	U	0.2 J, B	U	U	U	0.65 J	
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	14 J, D	U	58 J, D	31 J, D	10 J	5 J	38 J	U	U	26 J	U	U	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	32 J, D	U	100 J, D	77 D	13 J	8 J	76 J	U	U	110	U	2.9 J	6.3	
86-74-8	Carbazole	NS	µg/L	U	U	2 J	U	U	U	U	U	30 J, D	U	U	U	U	U	U	U	U	2 J	0.5 J	U	1.1 J	2.3 J	3.6 J	0.96 J	
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	20 J, D	U	83 J, D	46 J, D	12 J	10	54 J	U	U	27 J	U	U	0.73 J	
84-74-2	Di-n-butyl phthalate	50	µg/L	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.7 J, B	U	U	U	1.3 J	0.80 J	
53-70-3	Dibenz[a,h]anthracene	NS	µg/L	U	10	U	40 J, D	U	U	U	U	U	U	U	U	U	U	U	2 J	1 J	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	U	U	U	U	U	U	0.7 J	U	U	U	0.92 J	1.0 J	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	U	U	U	U	2 J	U	U	U	U	U	0.82 J	0.89 J	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	U	U	7 J, D	3 J	1 J	U	1 J, B	U	U	0.53 J	1.5 J	1.9 J	U	
120-83-2	2,4-Dichlorophenol	1	µg/L	1 J	U	U	U	U	U	U	U	U	U	U	U	U	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	U	U	U	U	U	U	U	U	U	U	1 J, B	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	26 J, D	U	U	14 J, D	7 J	22	U	8	U	8.2	9.4	4.7 J	65	
131-11-3	Dimethyl phthalate	50 (G)	µg/L	U	U	U	U	U	U	U	570 J, D	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	8.3	
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	43 J, D	98 J	230 J, D	120 D	27	21	140 J	0.4 J	0.8 J, B	45 J	U	U	1.4 J	
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	U	U	U	U	U	U	U	1 J	0.4 J	U	U	1.6 J	1.2 J	
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	10 J, D	U	U	U	4 J	4 J	32 J	U	0.2 J, B	U	U	U	0.54 J	
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	U	U	U	U	U	U	U	0.6 J	U	U	U	U	0.72 J	
95-48-7	2-Methylphenol	1	µg/L	51	33	6 J	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.2 J	U	U	0.79 J	0.54 J	U	U	
106-44-5	4-Methylphenol	1	µg/L	86 E	37	37	U	U	U	U	U	U	U	U	13 J, D	U	U	U	U	2 J	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	U	U	U	U	U	U	2 J	0.3 J, B	U	U	1.1 J	1.8 J	U	
100-02-7	4-Nitrophenol	1	µg/L	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	9 J	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	U	U	U	U	U	U	1 J	U	U	U	U	U	0.75 J	
108-95-2	Phenol	1	µg/L	68	40	17	U	U	U	U	U	U	U	U	U	U	U	U	U	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	86 J, D	120 J, D	270 J, D	170 D	75	30	190 J	0.8 J	0.6 J	90 J	U	0.48 J	1.9 J	
120-82-1	1,2,4-Trichlorobenzene	5	µg/L	12	52	4 J	31 J, D	U	U	U	U	U	U	U	U	U	U	U	U	U	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	344.0	275.0	1,013.0	668.0	199.0	154.0	786.0	28.5	5.3	414.0	10.62	24.88	25.87	83.77
PESTICIDES																												
309-00-2	Aldrin	ND	µg/L																									

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	S-1 G5093	S-1 H0918	S-1 H7400	S-1 J8341	S-1 M0193	S-1 N4877	S-1NAPL A9751104	S-1 Q3849	S-1 R7180	S-1 S7322	S-1 T7106	S-1 V4632	S-1 Z7813	S-1 A7429	S-1 B4467	S-1 E1135	S-1 0508015-006A	S-1 0603095-002A	S-1 A7E985011	S-1 A8E30606	S-1 RSI0312-01	S-1 RTF0860-02	S-1 480-2227-1	S-1 480-14339-1	S-1 480-23637-1
			Source: SDG: Matrix: Sampled:	OBG 5116 Water 11/20/1997	OBG 6847 Water 2/18/1998	OBG 7810 Water 5/28/1998	OBG 9571 Water 10/21/1998	OBG 1489 Water 4/20/1999	OBG 3856 Water 11/9/1999	OBG 11090 Water 11/9/1999	OBG 5490 Water 4/26/2000	OBG 7645 Water 12/14/2000	OBG 9270 Water 6/20/2001	OBG 764 Water 12/13/2001	OB 2494 Water 6/19/2002	OB 4203 Water 12/18/2002	OB 5716 Water 6/24/2003	OB 6968 Water 12/18/2003	OB 6968 Water 6/8/2004	OB 200508 Water 8/2/2005	LSL-BL 6030950 Water 3/21/2006	TA A07-E985 Water 12/27/2007	TA A08-E150 Water 11/10/2008	TA RSI0296 Water 9/9/2009	TA RTF0798 Water 6/11/2010	TA 480-2185 Water 3/4/2011	TA 480-14339 Water 12/21/2011	TA 480-23637 water 8/8/2012
CAS NO.	COMPOUND		UNITS:																									
53469-21-9 12672-29-6 11096-82-5	PCBs	Sum of all PCBs < 0.09	µg/L	U	U	0.88 J, P	U	U	U	U	U	U	U	U	U	U	U	U	U	U	58 P	0.62	U	U	U	0.26 J	0.42 J	U
	Aroclor-1242		µg/L	7.4	100 P	U	39 P	74 P	19 P	330000	56	48	150 P	110	400 E	54 P	62 P	33 P	55	240 P	30	U	2.6	290	U	U	U	8.3
	Aroclor-1248		µg/L	43	330 E	2.4 P	89 E	72 P	9.2 P	120000	26	17 P	88 E, P	53	200 E	22	3 P8	16	22 J	130 P	U	U	5.4	210	U	U	U	5.7
	Aroclor-1260		µg/L																									
	Total PCBs			50.4	430	3.28	128	146	28.2	450000	82	65	238	163	600	76	100	49	77	370	88	0.62	8.0	500	ND	0.26	0.42	14
INORGANICS																												
7429-90-5	Aluminum	NS	µg/L	142 B	1090	30.2 B	5870	2390	859		1920	6890 E	3290	18300	85.4 B	3380	4920	23300		4500	11200	89 B	U	357 B	1,180 CF6	U	U	630
7440-36-0	Antimony	3	µg/L	U	U	U	4.9 B	2.9 B	U		U	1.9 B	U	U	U	U	3.7 B	9.2 B		U	4.8 B	U	U	7.8 J	U	U	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	4.9 B	13.3	33.7	96.1		12.6	27.7	U	5.4 B	11.3	6.8 J	U	U	U
7440-39-3	Barium	1,000	µg/L	187 B	196 B	151 B	463	332	490		278	468	313	1080	179 B	292	441	519		190 B	238	190	169	69	85.2	140	130	160 B
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	0.13 B	0.17 B	0.2 B	1 B		U	0.37 B	U	U	U	U	U	U	U
7440-43-9	Cadmium	5	µg/L	U	U	U	1.8 B	0.55 B	U		U	U	U	0.37 B	U	U	0.3 B	4.3 B		U	1.1 B	U	U	U	0.4 J	U	0.46 J	U
7440-70-2	Calcium	NS	µg/L	46300	50900	45700	233000	152000	254000		105000	160000	111000	470000	75800	87000	308000	297000		61300	158000	84900	67500	36000 B	38,100	81,800 B	86,200 B	58,800
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	1.7 B, E	7.4 B	13	87.9		21.7	139	U	1.5 B	10.7	31.9 CF6	2.8 J	1.2 J	2.1 J
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	U	U	2.3 B	17.1 B		U	6.2 B	U	U	0.7 J	0.9 J	U	U	U
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	2.3 B	21.1 B	66.4	318		53	189	U	1.5 B	17.3	85.3 CF6	2.7 J	2.1 J	6.7 J
7439-89-6	Iron	300	µg/L	1500	4440	3060	21800	7920	19000		9790	23400	15400	105000	6050	16600	36200	73300		15200	29800	8990	6210	1790	4,040	7,100	7,200	4,800
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	2.6 B, N	19.9	33.2	148		35.8	65.1	U	U	5	21.8 CF6	U	U	U
7439-95-4	Magnesium	35,000 (G)	µg/L	9410	10100	7730	16700	12900	13600		15600	14800	13900	33900	14100	14800	16500	23800		16500	13900	19900	153000	5230	10,400	22,300	22,100	12,800
7439-96-5	Manganese	300	µg/L	1210	1330	1080	3150	2290	3480		1510	2580	1830	6640	824	1660	2370	2260		971	929 E	917	1060	222	386	710	640	720
7439-97-6	Mercury	0.7	µg/L	U	U	U	U	U	U		U	U	U	U	U	U	U	U		U	0.086 B	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	2 B	14.1 B	35.7 B	310		33.7 B	118	U	2.9 B	5.9 J	20.2 CF6	U	2.6 J	3 J
7440-09-7	Potassium	NS	µg/L	16700	14500	20300	24400	23700	23000		22500	23900 E	23900	25300	24900	19500	24400	24000		25300	21900	19000	18800	28400	20,400	15,900	14,000	17,600
7782-49-2	Selenium	10	µg/L	U	U	U	2.9 B	U	U		U	U	U	3.4 B	U	U	U	9.5		U	U	U	U	U	U	U	U	U
7440-22-4	Silver	50	µg/L	U	U	U	U	U	U		U	U	U	U	U	U	U	U		U	1.6 B	1 B	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	99700 E	103000	108000	91800		88800	60400	67100	78300	61400	51,200	49,800	37,700	69,600
7440-28-0	Thallium	0.5 (G)	µg/L	U	4.1 B	U	U	U	U		U	U	U	U	U	U	U	U		U	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	U	10.3 B	43.4 B	76.3		12.4 B	42.2 B	U	U	5.1	3.9 J	U	U	2.2 J
7440-66-6	Zinc	2,000 (G)	µg/L	15.8 B	157	23.7	384	138	149		205	197	164	1340	13.6 B	133	270	1200		126	399	U	3.9 B	36.9	63.1 CF6	1.8 J	9.9 J	8.2 J
57-12-5	Cyanide	200	µg/L	14.9	U	U	U	U	U		U	U	U	12.6	U	U	5.5 B	U		15.3	6.5 B	U	U	U	8.6 J	U	U	7.4 J
Total Inorganics				191,505	192,763	171,398	399,024	339,818	459,641	NA	277,906	350,375	294,858	785,866	221,666	246,451	501,338	538,256	NA	213,072	297,368	201,087	325,054	133,569	126,034	177,757	167,986	165,140

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	S-2 G5094	S-2 H0919	S-2 H7397	S-2 J8486	S-2 M0296	S-2 N5019	S-2 Q3854	S-2 R7177	S-2 S7283	S-2 T6915	S-2 V4633	S-2 Z7442	S-2 A7430	S-2 B4251	S-2 E1137	S-2 0508015-007A	S-2 0603095-003A	S-2 A7E985012	S-2 A8E30606	S-2 RS10312-02	S-2 RTF0860-03	S-2 480-2227-2	S-2 480-14339-2	S-2 480-23637-2	
		Source: SDG: Matrix: Sampled:	OBG 5116 Water 11/20/1997	OBG 6847 Water 2/19/1998	OBG 7810 Water 5/28/1998	OBG 9595 Water 10/22/1998	OBG 1516 Water 4/21/1999	OBG 3880 Water 11/10/1999	OBG 5490 Water 4/27/2000	OBG 7645 Water 12/14/2000	OBG 9259 Water 6/19/2001	OBG 739 Water 12/12/2001	OB 2494 Water 6/19/2002	OB 4203 Water 12/17/2002	OB 5716 Water 6/24/2003	OB 6968 Water 12/15/2003	OB 6968 Water 6/8/2004	OB 200508 Water 8/2/2005	LSL-BL 6030950 Water 3/21/2006	TA A07-E985 Water 12/27/2007	TA A08-E150 Water 11/10/2008	TA RS10296 Water 9/9/2009	TA RTF0798 Water 6/11/2010	TA 480-2185 Water 3/4/2011	TA 480-14339 Water 12/21/2011	TA 480-23637 Water 8/8/2012	
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	U	3 J, B	U	U	2 J, B	13 B	5 J, B	U	U	U	U	U	4.3 J	
71-43-2	Benzene	0.7	µg/L	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.49 J	U	U	U	U	0.44 J	
75-15-0	Carbon disulfide	60 (G)	µg/L	U	U	U	U	38	1 J	U	U	U	U	U	U	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	U	U	U	U	U	U	U	U	U	3 J	U	U	U	U	U	1.8	
75-00-3	Chloroethane	5	µg/L	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.52 J	
75-34-3	1,1-Dichloroethane	5	µg/L	2 J	2 J	U	2 J	2 J	U	U	2 J	2 J	1 J	1 J	1 J	2 J	1 J	2 J	U	U	2.2	2.6 DO3, J	0.69 J	0.40 J	1	U	
156-59-2	cis-1,2-Dichloroethene	5	µg/L	U	U	U	1 J	6 J	U	U	U	U	U	U	U	U	U	U	U	U	U	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	U	U	U	U	U	U	U	U	U	U	7.1	2.1	U	
100-41-4	Ethylbenzene	5	µg/L	U	2 J	U	1 J	U	U	U	U	U	U	U	U	U	1 J	U	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	U	U	U	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	1 J, B	U	0.8 J, B	U	U	0.8 J, B	0.9 J, B	1 J, B	U	U	U	U	U	U	U	
127-18-4	Tetrachloroethene	5	µg/L	U	1 J	U	1 J	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.44 J	
108-88-3	Toluene	5	µg/L	1 J	11	U	U	U	U	U	3 J	U	U	U	U	U	0.6 J	U	U	U	0.68 J	U	U	U	U	U	
79-01-6	Trichloroethene	5	µg/L	U	U	U	U	1 J	2 J	U	U	U	U	U	U	U	U	U	U	U	U	U	U	1.2	U	U	
75-01-4	Vinyl Chloride	3	µg/L	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	1.1	U	U	
1330-20-7	Xylene (total)	5	µg/L	2 J	15	U	9 J	3 J	U	U	U	U	3 J	U	1 J	U	1 J	U	U	U	1.8 J	U	U	U	U	U	
	Total VOCs			11	33	1	29	56	12	ND	6	7	3	5	4.8	2	2	7.4	14.9	8	3	ND	5.17	2.6	10.09	4.82	6.18
	SEMIVOLATILES																										
83-32-9	Acenaphthene	20 (G)	µg/L	U	U	U	2 J	1 J	1 J	U	U	U	U	U	U	U	U	U	U	0.3 J	0.6 J	U	0.59 J	0.71 J	1.1 J	0.73 J	
208-96-8	Acenaphthylene	NS	µg/L	U	U	U	3 J	1 J	1 J	U	U	U	U	U	U	U	U	U	U	0.4 J	U	U	U	U	U	U	
120-12-7	Anthracene	50(G)	µg/L	U	U	U	U	U	U	1 J	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.29 J	
56-55-3	Benzo[a]anthracene	20 (G)	µg/L	U	U	U	U	U	U	U	U	U	U	U	U	U	U	3 J	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	U	U	U	U	3 J	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	U	U	U	U	6 J	U	U	0.3 J	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	U	U	U	U	U	U	0.2 J, B	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	U	U	U	U	2 J	U	U	U	U	U	U	U	U	
117-81-7	bis(2-Ethylhexyl)phthala	5	µg/L	U	U	U	U	U	U	U	2 J	1 J, B	U	4 J	U	1 J	U	10 J	U	U	U	U	U	U	U	U	
86-74-8	Carbazole	NS	µg/L	U	U	U	3 J	U	U	U	U	U	U	U	U	U	U	U	U	0.5 J	U	U	U	2.2 J	0.91 J		
218-01-9	Chrysene	0.002 (G)	µg/L	U	U	U	U	U	U	U	U	U	U	U	U	U	U	2 J	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	U	U	U	U	U	U	U	U	U	U	0.82 J,B	2.3 J	1.3 J	
117-84-0	Di-n-octyl-phthalate	50 (G)	µg/L	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.4 J, B	0.6 J, B	U	U	U	U	0.53 J	
132-64-9	Dibenzofuran	NS	µg/L	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.3 J	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	U	U	U	U	U	U	U	U	U	U	U	U	1.1 J	
84-66-2	Diethyl phthalate	50 (G)	µg/L	U	U	U	U	U	U	U	U	U	U	U	U	U	U	20	U	0.5 J, B	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	1 J	16	U	6 J	2 J	7 J	4 J	7 J	U	U	15	U	U	3.7 J	21	
131-11-3	Dimethyl phthalate	50 (G)	µg/L	U	U	U	U	U	U	U	U	U	U	U	U	U	U	3.8 J	U	U	U	U	U	48	7.2		
206-44-0	Fluoranthene	50 (G)	µg/L	U	U	U	U	U	U	U	U	U	U	U	U	U	U	4 J	U	0.3 J	0.4 J, B	U	U	U	U	0.39 J	
86-73-7	Fluorene	50 (G)	µg/L	U	U	U	1 J	1 J	1 J	U	U	U	U	U	U	U	U	U	U	0.2 J	0.6 J	U	U	U	0.42 J	0.58 J	
193-39-5	Indeno[1,2,3-cd]pyrene	0.002 (G)	µg/L	U	U	U	U	U	U	U	U	U	U	U	U	U	U	1 J	U	U	0.2 J, B	U	U	U	U	U	
91-57-6	2-Methylnaphthalene	NS	µg/L	U	2	U	3	U	U	U	U	U	U	U	U	U	U	U	U	0.6 J	U	U	U	U	U	1.6 J	
95-48-7	2-Methylphenol	1	µg/L	15	13	5 J	9 J	U	2 J	U	U	U	3 J	U	1 J	U	U	U	1 J	0.2 J	U	4.6 J	U	U	U	U	
106-44-5	4-Methylphenol	1	µg/L	29	37	15	15	U	4 J	U	U	U	5 J	U	4 J	U	3 J	U	3 J	U	U	10	U	U	U	5.5 J	
91-20-3	Naphthalene	10 (G)	µg/L	1 J	5 J	3 J	46	U	U	U	U	U	3 J	U	U	U	U	U	1 J	2 J	0.9 J, B	2.2 J	U	U	U	1.7 J	
99-09-2	3-Nitroaniline	5	µg/L	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.53 J	U	U	U	U	
100-02-7	4-Nitrophenol	1	µg/L	U	U	U	U	U	U	U	U	U	U	U	U	U	1 J	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	U	U	U	U	U	U	0.3 J	0.7 J, B	U	0.69 J	U	U	0.65 J	
108-95-2	Phenol	1	µg/L	3	10	2	1	U	U	U	U	U	U	U	U	U	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	U	U	U	U	6 J	U	0.2 J	0.3 J	U	U	U	U	0.48 J	
95-95-4	2,4,5-Trichlorophenol	1	µg/L	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.89 J	U	U	U	U	
	Total SVOCs			93	105	43	123	9	18	2	ND	2	2	27	4	11	3	11	64.8	13	4.5	6.5	31.8	2.7	1.53	59.35	42.33
	PESTICIDES																										
309-00-2	Aldrin	ND	µg/L	U	0.0012 J, P	U	U	U	0.036 J, P	0.0013 J, P	U	U	0.046 J	U	U	U	U	U	U	U	U	U	U	U	U	U	
319-84-6	alpha-BHC	0.01	µg/L	U	U	0.0015 J, P	U	0.00081 J, P, B	0.0062 J, P	U	U	U	U	U	0.0032 J, P	U	U	U	U	U	U	0.013 QSU, J	U	U	U	U	
319-85-7	beta-BHC	0.04	µg/L	U	U	0.019 J	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	
319-86-8	delta-BHC	0.04	µg/L	U	U	U	0.0027 J, P	U	U	U	U	U	U	U	U	U	U	U	U	U	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	U	U	U	0.066 P	0.003 J, P	0.00066 J, P	0.03 J	0.033 J	0.011 QSU, J	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	U	U	U	U	U	U	U	U	U	U	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	U	U	U	U	0.0									

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	S-2 G5094	S-2 H0919	S-2 H7397	S-2 J8486	S-2 M0296	S-2 N5019	S-2 Q3854	S-2 R7177	S-2 S7283	S-2 T6915	S-2 V4633	S-2 Z7442	S-2 A7430	S-2 B4251	S-2 E1137	S-2 0508015-007A	S-2 0603095-003A	S-2 A7E985012	S-2 A8E30606	S-2 RSI0312-02	S-2 RTF0860-03	S-2 480-2227-2	S-2 480-14339-2	S-2 480-23637-2
			Source: SDG: Matrix: Sampled:	OBG 5116 Water 11/20/1997	OBG 6847 Water 2/19/1998	OBG 7810 Water 5/28/1998	OBG 9595 Water 10/22/1998	OBG 1516 Water 4/21/1999	OBG 3880 Water 11/10/1999	OBG 5490 Water 4/27/2000	OBG 7645 Water 12/14/2000	OBG 9259 Water 6/19/2001	OBG 739 Water 12/12/2001	OB 2494 Water 6/19/2002	OB 4203 Water 12/17/2002	OB 5716 Water 6/24/2003	OB 6968 Water 12/15/2003	OB 6968 Water 6/8/2004	OB 200508 Water 8/2/2005	LSL-BL 6030950 Water 3/21/2006	TA A07-E985 Water 12/27/2007	TA A08-E150 Water 11/10/2008	TA RSI0296 Water 9/9/2009	TA RTF0798 Water 6/11/2010	TA 480-2185 Water 3/4/2011	TA 480-14339 Water 12/21/2011	TA 480-23637 Water 8/8/2012
CAS NO.	COMPOUND		UNITS:																								
	PCBs																										
53469-21-9	Aroclor-1242	Sum of all PCBs < 0.09	µg/L	U	U	0.41 J, P	0.48 J, P	0.47 J, P	U	U	U	U	U	U	U	U	U	U	U	U	0.41 J	U	U	U	U	0.46 J	0.46 J
12672-29-6	Aroclor-1248		µg/L	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	4.9	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	U	U	U	U	U	2	U	U	U	U	U	U	U	U
	Total PCBs			ND	ND	0.41	0.48	0.47	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.9	ND	ND	0.41	ND	ND	ND	0.46	0.46
	INORGANICS																										
7429-90-5	Aluminum	NS	µg/L	341	302	383	142 B	211	281	44.7	180 B, E	85.6 B	309	707	221	266	215	119 B	173 B	308	206	U	159 B, J	176 J	94 J	U	460
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	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	U	U	U
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	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	U	U	U
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	60 B	50.6 B	48.5 B	37.6 B	39.4 B	310	34.8	39	169	35.5	30.8	23	100	110 B
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	0.13 B	U	U	U	U	U	U	0.38 B	U	U	U	U	U	U
7440-43-9	Cadmium	5	µg/L	U	U	U	U	U	U	U	U	U	0.37	U	U	U	U	U	U	U	U	U	U	U	U	U	U
7440-70-2	Calcium	NS	µg/L	117000	93700	98600	171000	156000	135000	70400	147000	109000	135000	144000	104000	116000	88400	99000	539000	83700	61800	67500	74400 B	72,500	18,700 B	83,100 B	65,800
7440-47-8	Chromium	50	µg/L	U	U	U	U	U	5 B, E	4 B	U	U	1.4	U	U	U	U	U	6.6 B	U	U	1.5 B	0.9 J	1.3 J	U	3.7 J	1.6 J
7440-48-4	Cobalt	NS	µg/L	U	U	U	U	U	U	U	U	U	1.1	U	U	U	U	U	U	U	U	U	U	U	U	U	U
7440-50-8	Copper	200	µg/L	2 B	1.7 B	U	2.1 B	0.96 B	1.2 B	1.3 B	4.1 B	0.7 B	0.88	6.2 B	2.8 B	1.8 B	U	U	3.8 B	3.8 B	2.9 B	1.5 B	2.8 J	21.6 CF6	9.9 J	2.8 J	7.8 J
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	960	96.8 B	438	34.6 B	42.8 B	8190	705	42.3 B	6210	78	470 CF6	740	4,700	3,400
7439-92-1	Lead	25	µg/L	U	U	U	U	U	U	1.2 B	1.7 B	U	1.5	U	U	U	U	0.59 B	U	U	U	U	U	U	U	U	U
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	223 B	135 B	175 B	U	33.5 B	3320 B	70.1 B	77.5 B	15300	U	U	2,500	17,600	7,400
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	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	41	540	430
7439-97-6	Mercury	0.7	µg/L	U	U	U	U	U	U	U	U	U	0.15	U	U	U	U	0.05 B	0.025 B	0.011 B	U	U	U	U	U	U	U
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	U	U	U	1.2 B	1.8 B	55.4	3.1 B	U	2.9 B	1.8 J	U	1.9 J	7.8 J	2.6 J
7440-09-7	Potassium	NS	µg/L	43700	29900	33900	36200	45600	43500	20800	42100 E	47200	49400	42200	40400	44300	36900	40900	49200	38100	36400	18800	39700	42,300	29,100	15,800	27,600
7782-49-2	Selenium	10	µg/L	8.3	U	U	U	U	3.4 B	U	10.4	3.4 B	4.5	3.3 B	4.4 B	6.6	4.4 B	U	U	U	7.7 B	U	U	U	U	U	U
7440-22-4	Silver	50	µg/L	0.65 B	U	U	U	U	U	U	U	U	1	U	U	U	U	U	U	1.3 B	U	U	U	U	U	U	U
7440-23-5	Sodium	20,000	µg/L	47000	31000	40200	33300	43700	45900 E	114000	48100	68100	64100	63200 E	50900	64400	50100	63400	68500	57400	44900	78300	56700	59,800	46,400	33,900	63,200
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	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	27	1.6 J	9.1
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	28.9	3.4 B	5 B	U	3 B	88.7	84.7	U	3.9 B	2.8 J	3.4 J	6.5 J	46	20
57-12-5	Cyanide	200	µg/L	48.3	U	12.9	80	52.3	27.1	U	39.7	50.3	40.5	16.9	39.4	49	50	46.9	34.6	38.6	0.031	U	U	U	18	U	29
	Total Inorganics			208,937	159,261	173,949	240,899	245,712	225,008	223,550	238,722	225,081	249,078	251,464	195,909	225,740	175,775	203,610	670,405	180,471	143,550	187,354	171,095	175,381	97,661	155,805	168,470

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 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	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	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
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	U	4 J, B	U	U	3 J, B	5 J, B	2 J, B	U	U	2.1 J	U	U	U	
71-43-2	Benzene	0.7	µg/L	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.50 J	
75-15-0	Carbon disulfide	60 (G)	µg/L	U	U	U	U	8 J	2 J	U	U	U	U	U	U	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	U	U	U	U	U	U	U	U	U	U	3 J	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	2 J	2 J	2 J	2 J	2 J	2 J	2 J	U	U	1.5	U	2	1.8	
156-59-2	cis-1,2-Dichloroethene	5	µg/L	U	U	U	U	2 J	U	U	U	U	U	U	U	U	U	U	0.5 J	U	U	U	U	U	U	U	
540-59-0	1,2-Dichloroethene (total)	5	µg/L	2 J	2 J	U	U	2 J	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	
100-41-4	Ethylbenzene	5	µg/L	U	4 J	U	U	U	U	U	U	U	U	U	U	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	U	U	U	U	U	U	U	1 J	U	U	2 J	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	1 J	1 J, B	0.5 J	U	0.7 J, B	0.8 J, B	1 J, B	U	U	U	U	U	U	
127-18-4	Tetrachloroethene	5	µg/L	1 J	2 J	1 J	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.49 J	
108-88-3	Toluene	5	µg/L	1 J	17	4 J	U	1 J	U	U	U	1 J	0.7 J	U	U	0.7 J	U	0.8 J	1 J	U	U	U	U	0.67 J	0.68 J	0.94 J	
79-01-6	Trichloroethene	5	µg/L	U	1 J	U	U	U	U	U	U	U	U	U	U	U	U	U	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	3 J	U	1 J	0.9 J	1 J	2 J	U	U	U	1 J	0.95 J	1.7 J	2.5	
	Total VOCs			9	60	16	8	26	7	6	11	11	6.7	6	8	4.2	2.9	9.5	11.3	6	3	ND	4.6	ND	3.62	4.18	6.63
	SEMIVOLATILES																										
83-32-9	Acenaphthene	20 (G)	µg/L	U	U	U	U	3 J	2 J	U	U	1 J	U	U	U	U	U	1 J	U	U	0.5 J	0.6 J	U	0.69 J	0.51 J	0.65 J	0.74 J
208-96-8	Acenaphthylene	NS	µg/L	U	U	U	U	4 J	2 J	U	U	U	U	U	U	U	U	U	U	U	0.2 J	0.4 J	U	4.9 J	U	U	
56-55-3	Benzo[a]anthracene	20 (G)	µg/L	U	U	U	U	U	U	U	U	U	U	U	U	94 J, D	1 J	5 J	1.3 J	U	0.2 J	U	U	U	U	U	
50-32-8	Benzo[a]pyrene	ND	µg/L	U	U	U	U	U	U	U	U	U	U	U	U	79 J, D	U	4 J	1.9 J	1 J	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	U	U	110 J, D	2 J	6 J	3.7 J	1 J	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	U	U	U	U	3 J	1 J	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	U	U	93 J, D	U	4 J	1.7 J	U	U	U	U	U	U	U	
117-81-7	bis(2-Ethylhexyl)phthalate	5	µg/L	U	U	7 J	U	U	U	U	U	U	U	U	U	140 J, D	2 J	15 J	18	6 J	U	U	U	U	2.6 J, B	U	
86-74-8	Carbazole	NS	µg/L	U	U	U	U	2 J	1 J	U	U	U	U	U	U	U	U	U	U	U	U	0.5 J	0.54 J	0.42 J	0.48 J	0.49 J	
218-01-9	Chrysene	0.002 (G)	µg/L	U	U	U	U	U	U	U	U	U	U	U	U	92 J, D	U	4 J	1.2 J	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	U	U	U	U	U	U	1 J	0.3 J, B	0.7 J, B	U	4.9 J	0.92 J, B	0.39 J	
132-64-9	Dibenzofuran	NS	µg/L	U	U	U	U	2 J	U	U	U	U	U	U	U	U	U	U	U	U	U	0.3 J	U	U	U	U	
84-66-2	Diethyl phthalate	50 (G)	µg/L	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.8 J, B	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	19	U	U	6 J	13	28	26	U	U	11	8.9	7.3	11	
206-44-0	Fluoranthene	50 (G)	µg/L	U	U	U	U	U	U	U	U	U	U	U	U	210 J, D	2 J	7 J	1.5 J	U	0.3 J, B	0.4 J, B	U	U	0.44 J	U	
86-73-7	Fluorene	50 (G)	µg/L	U	U	U	U	2 J	2 J	U	1 J	U	U	U	U	U	U	U	U	U	0.4 J	0.6 J	U	0.59 J	0.37 J	0.65 J	
193-39-5	Indeno[1,2,3-cd]pyrene	0.002 (G)	µg/L	U	U	U	U	U	U	U	U	U	U	U	U	U	U	2 J	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	1 J	U	U	U	U	1 J	U	0.3 J	0.6 J, B	U	U	U	0.70 J	
95-48-7	2-Methylphenol	1	µg/L	16	19	15	U	10 J	8 J	6 J	2 J	10	U	14	U	U	1 J	U	8.4 J	9 J	0.6 J	3 J	3.5 J	8.5	7.1	8.8	
106-44-5	4-Methylphenol	1	µg/L	49	58	44	U	25	20	15	U	22	3 J	33	U	U	4 J	U	19	21	1 J	6	7.4 J	22	15	19	
91-20-3	Naphthalene	10 (G)	µg/L	3 J	6 J	5 J	U	40	13	6 J	U	5 J	4 J	7 J	U	U	U	U	4 J	4 J	1 J	2 J, B	1.2 J	2.1 J	1.8 J	3.0 J	
85-01-8	Phenanthrene	50 (G)	µg/L	U	U	1 J	U	2 J	2 J	U	1 J	1 J	1 J	U	U	U	U	U	U	U	0.8 J	0.9	0.93 J	0.86 J	U	0.92 J	
108-95-2	Phenol	1	µg/L	6 J	18	5 J	U	U	U	U	U	U	U	U	U	U	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	U	U	290 J, D	3 J	17	8.6 J	U	0.2 J	0.2 J	4.9 J	U	0.40 J	U	
	Total SVOCs			118	157	122	ND	122	65	39	7	53	18	74	ND	1108	21	81	99.3	69	5.8	17	28	53.46	37.94	33	29.56
	PESTICIDES																										
309-00-2	Aldrin	ND	µg/L	U	U	U	U	U	U	0.0029 J, P	0.002 J, P	U	U	0.036 J, P	U	U	U	U	U	0.0039 J, P	U	U	U	U	U	U	
319-84-6	alpha-BHC	0.01	µg/L	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.0015 J, P	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	0.0053 J, P	U	U	0.024 J, P	U	0.026 J, P	0.0093 J, P	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	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	0.013 QSU, J	U	U	
5103-71-9	alpha-Chlordane	0.05	µg/L	U	U	U	U	U	U	U	U	U	U	U	U	0.39 P	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	U	0.13 P	U	U	U	0.0022 J, P	U	0.012 J	U	0.013 QSU, J	U	U	U	
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	U	U	8 P	U	U	U	U	U	U	U	U	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	0.18 P	2.8 P	0.092 J, P	0.1	0.26	0.12 P	U	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	0.0052 J, P	U	0.0058 J	0.0097 J, P	U	U	U	U	U	U	U	0.041 J	0.028 J	U	U	U	U	
60-57-1	Dieldrin	0.004	µg/L	U	U	0.0044 J, P	U	0.00047 J, P	U	U	U	0.018 J	U	0.21	2.4 P	U	0.092 B, J, P	U	U	0.023 J	U	U	U	U	U	U	
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	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	U	U	U	
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	U	U	1.6 P	U	0.0067 J, P	U	U	U	U	U	U	U	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	U	U	U	U	U	0.021 J, P	0.0057 J, P	U	U	U	U	U	U	
72-20-8	Endrin	ND	µg/L	U	U	0.36 P	U</																				

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	S-3 G5120	S-3 H0920	S-3 H7393	S-3 J8339	S-3 M0189	S-3 N4873	S-3 Q3848	S-3 R7148	S-3 S7282	S-3 T6807	S-3 V4307	S-3 Z9835	S-3 A7428	S-3 B4290	S-3 E1070	S-3 0508015-005A	S-3 0603095-004A	S-3 A7E985013	S-3 A8E30607	S-3 RSI0312-03	S-3 RTF0860-04	S-3 480-2227-3	S-3 480-14339-3	S-3 480-23637-3	
			Source: SDG:	OBG 5116	OBG 6847	OBG 7810	OBG 9571	OBG 1489	OBG 3856	OBG 5490	OBG 7645	OBG 9259	OBG 724	OB 2494	OB 4203	OB 5716	OB 6968	OB 6968	OB 200508	LSL-BL 6030950	TA A07-E985	TA A08-E150	TA RSI0296	TA RTF0798	TA 480-2185	TA 480-14339	TA 480-23637	
			Matrix:	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
			Sampled:	11/20/1997	2/18/1998	5/27/1998	10/21/1998	4/19/1999	11/8/1999	4/26/2000	12/13/2000	6/19/2001	12/11/2001	6/17/2002	12/19/2002	6/24/2003	12/16/2003	6/7/2004	8/2/2005	3/21/2006	12/27/2007	11/10/2008	9/9/2009	6/11/2010	3/4/2011	12/21/2011	8/8/2012	
CAS NO.	COMPOUND		UNITS:																									
	INORGANICS																											
7429-90-5	Aluminum	NS	µg/L	620	415	460	100 B	298	382	443	280 E	534	556	388	497	536	489	343	397	271	474	496	309 B	308	280	200	290	
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	2.8 B	3.8 B	2 B	3.2 B	6.2 B	2.6 B	3.2 B	U	U	U	U	U	U	U	
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	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	7 J	U	U	6.4 J	
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	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	30	24	24	29 B	
7440-41-7	Beryllium	3 (G)	µg/L	U	U	U	U	U	0.18 B	U	0.26 B	U	U	U	U	U	U	U	U	U	0.38 B	0.4 B	U	U	U	U	U	
7440-70-2	Calcium	NS	µg/L	126000	136000	113000	112000	151000	145000	169000	201000	145000	132000	106000	91800	107000	85100	93600	86300	72800	63000	74100	U	59,600	52,200 B	45,400 B	54,100	
7440-47-8	Chromium	50	µg/L	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	1.6 B	1.3 B	U	U	1.7 J	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	U	U	1.2 B	U	1.1 B	U	U	U	1.6 B	U	U	2.3 J	1.7 J	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	36.6 B	61.7 B	127	120	86.6 B	86 B	153	20.5 B	118	26 J	36 J	300	55	37 J	
7439-92-1	Lead	25	µg/L	U	U	U	U	U	U	U	1.7 B	U	U	U	U	U	1 B	U	U	U	U	U	U	U	U	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	317 B	152 B	131 B	182 B	532 B	72.7 B	343 B	557	193 B	56 J	77 J	U	77 J	U	
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	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	0.2 J	2.3 J	0.55 J	U	
7439-97-6	Mercury	0.7	µg/L	U	U	U	U	U	U	U	U	U	U	U	U	0.06 B	U	U	0.027 B	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	U	U	U	3.4 B	10.3 B	5.5 B	4 B	2.2 B	2 B	2.6 J	1.4 J	1.6 J	1.9 J	1.4 J	
7440-09-7	Potassium	NS	µg/L	53000	44700	47400	38500	47100	48500	54100	53600 E	49900	48800	43100	41300	44600	37400	44700	47000	39400	38700	39700	41000	43,500	35,300	35,100	39,900	
7782-49-2	Selenium	10	µg/L	8.1	U	U	U	U	5.3	U	26	3.6 B	4.4 B	2.5 B	2.8 B	6	3.3 B	U	U	3.3 B	12.3 B	U	U	U	U	U	U	
7440-22-4	Silver	50	µg/L	0.85 B	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	1.2 B	1.5 B	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	64700 E	55900	64800	52200	70400	67000	60700	48900	61500	58500	61,100	51,700	47,100	51,800	
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	16.9 B	27.5 B	16 B	16 B	17 B	10.1 B	10.6 B	39.1	22.4	15.6	11.8	35	39	16	
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	23.6	2.2 B	17 B	35.6	5.5 B	9.8 B	24.4	U	U	33.3	2.1 J	3.0 J	U	U	
57-12-5	Cyanide	200	µg/L	49.5		32.5	69	15.6	25.3	39.9	23	28.2	47.9	40.6	49.9	40.2	40.6	48.2	39.9	50.6	0.037	0.022	46.5	62.9 CF6	44	49	66	
	Total Inorganics			231,378	226,865	210,419	184,548	242,908	240,331	285,145	311,461	268,356	245,327	214,671	189,839	217,322	175,632	209,793	200,965	173,798	151,750	176,178	100,028	164,736	139,894	128,048	146,246	

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	S-4 G5118	S-4 H1025	S-4 H7398	S-4 M0297	S-4 N5018	S-4 Q4028	S-4 R7178	S-4 S7279	S-4 T6910	S-4 V4635	S-4 Z7445	S-4 A7427	S-4 B4293	S-4 E1191	S-4 0508015-002A	S-4 0603095-005A	S-4 A7E985013	S-4 A8E30608	S-4 RSI0312-04	S-4 RTF0860-05	S-4 480-2227-4	S-4 480-14339-4	S-4 480-23637-4
			Source: SDG:	OBG 5116	OBG 6857	OBG 7810	OBG 1516	OBG 3880	OBG 5512	OBG 7645	OBG 9259	OBG 739	OB 2494	OB 4203	OB 5716	OB 6968	OB 6968	OB 6968	LSL-BL 6030950	TA A07-E985	TA A08-E150	TA RSI0296	TA RTF0798	TA 480-2185	TA 480-14339	TA 480-23637
			Matrix: Sampled:	Water 11/20/1997	Water 2/20/1998	Water 5/28/1998	Water 4/21/1999	Water 11/10/1999	Water 4/28/2000	Water 12/14/2000	Water 6/19/2001	Water 12/12/2001	Water 6/19/2002	Water 12/17/2002	Water 6/23/2003	Water 12/16/2003	Water 6/9/2004	Water 8/1/2005	Water 3/21/2006	Water 12/27/2007	Water 11/10/2008	Water 9/9/2009	Water 6/11/2010	Water 3/4/2011	Water 12/21/2011	Water 8/8/2012
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	2 J, B	U	U	3	3	3	U	U	U	U	U	U	U
71-43-2	Benzene	0.7	µg/L	6 J	U	1 J	5 J	U	U	U	U	U	U	U	U	1 J	U	0.8 J	0.9 J	U	U	0.87 J	0.68 J	0.49	0.71 J	0.96 J
75-15-0	Carbon disulfide	60 (G)	µg/L	U	U	U	10	U	U	U	U	U	U	U	U	U	U	U	U	U	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	1 J	1 J	0.6 J	1 J	1 J	1 J	U	U	1.3	1.2	1.7	1.4	1.8
156-59-2	cis-1,2-Dichloroethene	5	µg/L	U	U	U	9 J	U	U	U	U	U	U	1 J	2 J	0.8 J	2 J	2 J	2 J	U	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	U	U	U	U	U	U	U	U	U	U	U	U	U
540-59-0	1,2-Dichloroethene (total)	5	µg/L	3 J	U	U	11	U	U	1 J	U	U	U	U	U	U	U	U	U	U	1.9 J	1.4 J	0.96 J	1.4 J	1.7 J	U
100-41-4	Ethylbenzene	5	µg/L	U	U	U	7	U	U	U	U	U	U	U	U	U	U	0.9	U	U	U	1.5	1.2	0.93 J	1.1	1.2
108-10-1	4-Methyl-2-pentanone	NS	µg/L	U	U	U	U	U	U	U	U	U	U	U	U	U	U	1 J	1 J	U	U	U	U	U	U	U
75-09-2	Methylene chloride	5	µg/L	U	U	U	2 J, B	U	U	U	1 J, B	1 J	0.9 J, B	1	0.7	0.9	1	U	U	U	U	U	U	U	U	U
127-18-4	Tetrachloroethene	5	µg/L	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.6 J	0.5 J	U	U	0.72 J	0.71 J	0.63 J	0.81 J	0.98 J
108-88-3	Toluene	5	µg/L	1 J	U	U	4 J	U	U	U	U	U	U	U	U	U	U	1 J	2 J	U	U	1.4	1.2	1	1.3	1.1
79-01-6	Trichloroethene	5	µg/L	1 J	U	U	U	U	U	U	U	U	U	U	U	U	U	0.8 J	0.8 J	U	U	0.7 J	0.55 J	0.49 J	0.63 J	0.73 J
75-01-4	Vinyl chloride	3	µg/L	U	U	U	4 J	U	U	U	U	U	U	U	U	U	U	U	U	U	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	0.5 J	2 J	5 J	1 J	5 J	12	U	U	9.7	6.9	5.5	6.5	6.7
	Total VOCs			13	2	1	92	ND	ND	5	4	1	1	3.4	4	10	6.1	15.2	24.2	ND	ND	18.09	13.84	11.7	13.85	15.17
	SEMIVOLATILES																									
83-32-9	Acenaphthene	20 (G)	µg/L	8	U	6 J	U	1 J	U	U	U	U	U	U	U	U	U	U	U	U	0.2 J	U	0.93 J	1.1 J	1.2 J	1.5 J
208-96-8	Acenaphthylene	NS	µg/L	4	U	5 J	U	1 J	U	U	U	U	U	U	U	U	U	1 J	U	U	0.2 J	U	0.46 J	0.62 J	0.68 J	0.70 J
120-12-7	Anthracene	50(G)	µg/L	1	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.93 J
50-32-8	Benzo[a]pyrene	ND	µg/L	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	1 J	U	U	U	U	U	U	U
117-81-7	bis(2-Ethylhexyl)phthalate	5	µg/L	U	U	U	U	U	2 J	2 J	4 J	U	5 J	U	U	U	U	1 J	2 J	U	U	U	2.5 J,B	U	U	U
86-74-8	Carbazole	NS	µg/L	4 J	U	4 J	U	U	U	U	U	U	U	U	U	U	U	1 J	1 J	U	0.5 J	1.3 J	1.1 J	1.1 J	1.4 J	1.3 J
59-50-7	4-Chloro-3-methylphenol	1	µg/L	U	U	U	5 J	U	U	3 J	U	U	U	2 J	36	U	9 J	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	U	U	U	U	U	U	0.3 B, J	0.5 B, J	U	0.35 J	0.80 J,B	U	U
132-64-9	Dibenzofuran	NS	µg/L	4 J	U	5 J	U	U	U	U	U	U	U	U	U	U	U	1 J	U	U	U	U	0.57 J	0.58 J	0.75 J	U
95-50-1	1,2-Dichlorobenzene	3	µg/L	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.48 J, B	U	U	U
541-73-1	1,3-Dichlorobenzene	3	µg/L	U	U	U	1 J	U	U	U	U	U	U	U	U	U	U	U	U	U	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	U	U	U	U	U	1 J	U	U	U	U	0.47 J	U	U
84-66-2	Diethyl phthalate	50 (G)	µg/L	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.6 B, J	U	U	U	U	U
131-11-3	Dimethyl phthalate	50 (G)	µg/L	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.77 J	U
105-67-9	2,4-Dimethylphenol	1	µg/L	4 J	U	U	18	51	2 J	U	U	U	U	1 J	3 J	3 J	11	39	46	U	U	21	5.5	4.8 J	21	18
206-44-0	Fluoranthene	50 (G)	µg/L	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.73 J
86-73-7	Fluorene	50 (G)	µg/L	6 J	U	6 J	1 J	1 J	U	U	U	U	U	U	U	1 J	U	2 J	U	U	0.3 J	4.9 J	U	1.0 J	0.77 J	1.3 J
91-57-6	2-Methylnaphthalene	NS	µg/L	6 J	U	5 J	2 J	U	U	U	U	U	U	U	U	U	U	3 J	U	U	U	1.5 J	1.3 J	2.5 J	3.0 J	2.7 J
95-48-7	2-Methylphenol	1	µg/L	2 J	U	6 J	2 J	U	U	2 J	U	U	U	1 J	2 J	2 J	13	14	U	U	U	7.4	4.3 J	5.9	12	13
106-44-5	4-Methylphenol	1	µg/L	3 J	U	10	U	U	U	U	U	U	U	U	U	U	U	22	22	U	U	11	7.8 J	11	22	24
91-20-3	Naphthalene	10 (G)	µg/L	110	U	110 E	11	U	U	U	U	U	2 J	U	5 J	U	U	15	U	1 B, J	4.3 J	1.8 J	8	U	U	9.9
85-01-8	Phenanthrene	50 (G)	µg/L	10 J	U	8 J	U	U	U	U	U	U	U	U	U	1 J	U	1 J	U	0.3 B, J	U	0.57 J	0.74 J	U	U	0.95 J
108-95-2	Phenol	1	µg/L	U	U	1 J	U	U	U	U	U	U	U	U	U	U	U	2 J	2 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	U	U	U	U	U	U	U	U	U	U	U	U	0.53 J
120-82-1	1,2,4-Trichlorobenzene	5	µg/L	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.52 J	U
95-95-4	2,4,5-Triclorophenol	1	µg/L	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.66 J	U
	Total SVOCs			162	ND	184	75	5	2	7	4	ND	5	5	40	12	22	83	107	0.3	3.6	51.4	24.59	40.63	76.05	76.29
	PESTICIDES																									
309-00-2	Aldrin	ND	µg/L	U	U	U	U	U	0.0021 J, P	U	U	U	0.0091 J, P	U	U	U	U	U	U	U	U	U	U	U	U	U
319-84-6	alpha-BHC	0.01	µg/L	U	U	U	U	U	0.0016 J	U	U	U	U	0.013 J, P	0.0091 J	U	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	U	U	U	U	0.0047 J, P	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	U	U	U	U	U	U	U	U	U	U	0.039 B, J	U	U	U	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	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	U	U
5103-71-9	alpha-Chlordane	0.05	µg/L	U	U	U	0.012 J, P	0.0049 J, P	U	U	U	U	U	U	U	U	U	U	0.011 J	U	U	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	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	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	U	U	U	0.0099 J, P	U	U	U	0.048 J	U	U	U	U	U
72-55-9	4,4'-DDE	0.2	µg/L	U	U	U	U	0.011 J, P	0.01 J	0.0036 J	0.0028 B, J, P	U	U	U	U	U	0.013 J	0.019 J	U	0.039 J	U	0.021 J	0.018 QSU, J	U	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	U	0.0026 J, P	U	0.008 J	U	U	0.046 J	0.04 J	U	U	U	U	U
60-57-1	Dieldrin	0.004	µg/L	U	U	U	U	U	U	U	U	0.0037 J, P	U	U	0.0097 J	U	0.0045 B, J, P	U	0.0027 J	0.023 J	U					

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	S-4 G5118	S-4 H1025	S-4 H7398	S-4 M0297	S-4 N5018	S-4 Q4028	S-4 R7178	S-4 S7279	S-4 T6910	S-4 V4635	S-4 Z7445	S-4 A7427	S-4 B4293	S-4 E1191	S-4 0508015-002A	S-4 0603095-005A	S-4 A7E985013	S-4 A8E30608	S-4 RSI0312-04	S-4 RTF0860-05	S-4 480-2227-4	S-4 480-14339-4	S-4 480-23637-4
			Source: SDG:	OBG 5116 Water	OBG 6857 Water	OBG 7810 Water	OBG 1516 Water	OBG 3880 Water	OBG 5512 Water	OBG 7645 Water	OBG 9259 Water	OBG 739 Water	OB 2494 Water	OB 4203 Water	OB 5716 Water	OB 6968 Water	OB 6968 Water	OB 6968 Water	LSL-BL 6030950 Water	TA A07-E985 Water	TA A08-E150 Water	TA RSIO296 Water	TA RTF0798 Water	TA 480-2185 Water	TA 480-14339 Water	TA 480-23637 Water
			Matrix: Sampled:	11/20/1997	2/20/1998	5/28/1998	4/21/1999	11/10/1999	4/28/2000	12/14/2000	6/19/2001	12/12/2001	6/19/2002	12/17/2002	6/23/2003	12/16/2003	6/9/2004	8/1/2005	3/21/2006	12/27/2007	11/10/2008	9/9/2009	6/11/2010	3/4/2011	12/21/2011	8/8/2012
CAS NO.	COMPOUND		UNITS:																							
53469-21-9	Aroclor-1242	of 0.09	µg/L	U	U	U	1.5 P	U	U	U	U	U	U	U	U	U	U	0.95 J, P	U	0.46 J	U	3.5	U	U	U	
12672-29-6	Aroclor-1248		µg/L	U	U	U	U	U	U	U	U	U	U	U	U	U	0.77 J	U	U	U	U	U	U	U	U	
	Total PCBs			ND	ND	ND	1.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.77	0.95	.96	0.46	ND	3.5	2	2.6	2.7	
	INORGANICS																									
7429-90-5	Aluminum	NS	µg/L	618	935	329	58.9 B	331	700	202 E	170 B	24.7 B	249	128 B	12.8 B	21.7 B	60.1 B	229	125 B	1920	42.4 B	316 B	532 CF6	620	460	
7440-36-0	Antimony	3	µg/L	U	U	U	U	U	U	1.7 B	U	U	U	U	U	U	U	U	3.1 B	U	U	U	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	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	8.8 J	
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	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	30	
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	U	0.1 B	U	U	U	U	0.49 B	0.52 B	U	U	U	U	
7440-43-9	Cadmium	5	µg/L	U	U	U	0.5 B	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	
7440-70-2	Calcium	NS	µg/L	84000	74100	134000	456000	153000	58000	151000	139000	208000	134000	112000	307000	196000	156000	109000	114000	34800	54000	121000 B	107,000	89,200 B	98,000 B	
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	U	U	U	U	U	U	2.5 B	1.6 B	1.2 J	U	1.0 J	U	
7440-48-4	Cobalt	NS	µg/L	U	U	U	U	U	1.4 B	U	U	U	U	U	U	U	U	U	U	U	U	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	5.4 B	6.8 B	U	1.7 B	U	U	4.5 B	13	17.6	U	U	U	
7439-89-6	Iron	300	µg/L	774	1070	155	463	411	1230	1100	2700	57300	7860	456	1380	848	275	183	473	1110	86.6	370	82	71	370	
7439-92-1	Lead	25	µg/L	2.2 B	U	U	1.2 B	U	U	1.4 B	U	U	U	U	U	U	1.2 B	U	U	U	U	U	U	U	U	
7439-95-4	Magnesium	35000 (G)	µg/L	719 B	17600	3900 B	10700	3640 B	7320	11400	14400	45500	13600	10000	3520 B	3090 B	3000 B	981 B	708 B	4640	2760	1010	757	240	1,000	
7439-96-5	Manganese	300	µg/L	55.2	525	83.1	357	88.8	53.1	368	370	2040	660	188	729	317	657	28.5	28.5 E	32.2	4.2	66.4	14.9 CF6	5.5	27	
7439-97-6	Mercury	0.7	µg/L	U	U	U	U	U	U	U	U	U	U	U	U	U	0.04 B	0.18 B	0.21	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	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	8.5 J	
7440-09-7	Potassium	NS	µg/L	16600	12600	22900	60200	26300	14400	23200 E	23600	34700	27600	21400	63300	51800	53400	53100	54400	11500	34500	50800	52,900	55,800	51,300	
7782-49-2	Selenium	10	µg/L	U	U	U	U	5.2	U	2.8 B	U	2.6 B	U	3.7 B	5 B	8.7	4.6 B	2.9 B	3.8 B	10 B	U	U	U	12 J	U	
7440-22-4	Silver	50	µg/L	0.61 B	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	1.3 B	U	U	U	U	U	
7440-23-5	Sodium	20000	µg/L	25700	13300	24400	36400	23600 E	8060	13700	18000	64500	26300 E	15000	46900	45700	48600	53600	52400	5140	24700	50500	53,500	51,900	51,000	
7440-28-0	Thallium	0.5 (G)	µg/L	U	4.5 B	U	U	U	U	U	U	U	U	U	U	U	U	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	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	22	
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	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	2.9 J	
57-12-5	Cyanide	200	µg/L	U	15.9	70.5	48.9	108	U	23.6	11.1	24.5	U	16.8	29	32.2	29.5	34.8	24.2	U	U	6.3 J	16.7	U	37	
	Total Inorganics			128,551	120,683	185,926	564,305	207,554	89,825	201,046	198,327	412,249	210,450	159,225	422,950	297,867	262,066	217,172	169,803	59,220	116,215	173,505	214,831	197,943	202,270	

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-4
Historically Detected Compounds
(Surface Water, 1997-2012)

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	SW-1 G5192	SW-1 H0921	SW-1 H7401	SW-1 M0192	SW-1 A9751102	SW-1 R7147	SW-1 T7110	SW-1 Z7446	SW-1 B4289	SW-1 E1194	SW-1 0603095-001A	SW-1 A7E985015
			Source: SDG:	OBG 5116	OBG 6847	OBG 7810	OBG 1489	OBG 11090	OBG 7645	OBG 764	OB 4203	OB 6968	OB 6968	LSL-BL 6030950	BM A07-E985
			Matrix: Sampled:	Water 11/21/1997	Water 2/18/1998	Water 5/28/1998	Water 4/20/1999	Water 11/9/1999	Water 12/13/2000	Water 12/13/2001	Water 12/17/2002	Water 12/16/2003	Water 6/9/2004	Water 3/21/2006	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)phthalate	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	0.01 J, P, B	U	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	0.0033 J, P, B	0.0042 J, P	0.012 J	U
72-43-5	Methoxychlor	35	µg/L	U	U	U	U	0.061 J, P, B	U	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

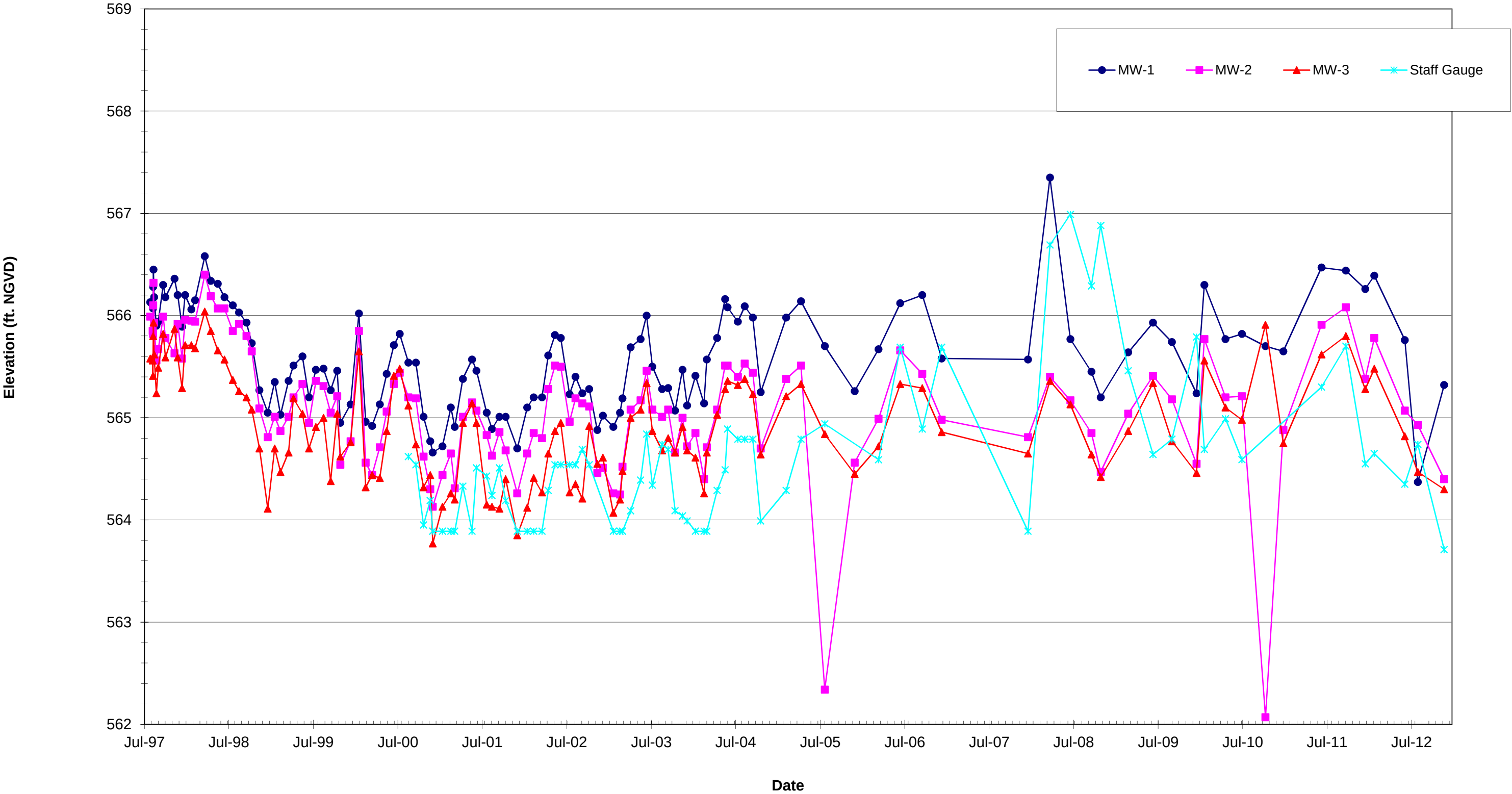
Appendix B-4
Surface Water Collection SW-2 and SW-3
Historically Detected Compounds

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:				
67-64-1	VOLATILES		µg/L	2 J	U	U	U
	Acetone	50 (G)					
	Total VOCs						
	SEMIVOLATILES						
	None Detected						
	Total SVOCs						
309-00-2 319-84-6 319-85-7 319-86-8 72-54-8 72-55-9 50-29-3 60-57-1 33213-65-9 1031-07-8 72-20-8 7421-93-4 58-89-9 5103-74-2 72-43-5	PESTICIDES		µg/L	U	U	U	0.0017 J, P
	Aldrin	0.022 (G)					
	alpha-BHC	0.01					
	beta-BHC	0.04					
	delta-BHC	0.04					
	4,4'-DDD	0.3				0.0015 J, P	0.0014 J, P
	4,4'-DDE	0.2		0.0043 J, P	U	U	
	4,4'-DDT	0.2		0.0014 J, P	U	U	U
	Dieldrin	0.004		U	U	0.0064 J, P	U
	Endosulfan II	NS		U	U	0.0013 J, P	U
	Endosulfan sulfate	NS		U	U	0.0021 J, P	U
	Endrin	0.2		U	U	0.0018 J, P	U
	Endrin aldehyde	5 (G)		U	U	0.0016 J, P	U
	gamma-BHC (Lindane)	0.05		U	U	U	U
	gamma-Chlordane	0.05		U	U	U	U
	Methoxychlor	35		U	0.012 J	U	U
	Total Pesticides			0.0057	0.012	0.0147	0.0031
	PCBs						
	None Detected						
	Total PCBs						
7429-90-5 7440-38-2 7440-39-3 7440-70-2 7440-47-8 7440-50-8 7439-89-6 7439-92-1 7439-95-4 7439-96-5 7439-97-6 7440-02-0 7440-09-7 7782-49-2 7440-22-4 7440-23-5 7440-62-2 7440-66-6 57-12-5	INORGANICS		µg/L	687 U 20 B 38100 3 B 5.3 B 1080 4.6 10200 25.1 2.3 B 1040 B U 0.9 B 3980 B 3980 B 2.2 B 26.2 U	358 U 25.8 B 131000 8.1 B 2.9 B 559 U 31800 56 3 B 24700 4.2 B U 95400 95400 3.5 B 12.1 B 138	271 5 B 44.3 B 153000 5.3 B, E 4 B 379 U 38700 18.5 3.9 B, E 39200 3.9 B U 84600 E 84600 E 3.5 B, E 41.2 U	203 5.1 B 35.5 B 130000 7.1 B 3.1 B 291 U 40300 23.4 U 31000 U U 89800 89800 2.6 B 14 B U
	Aluminum	NS					
	Arsenic	25					
	Barium	1000					
	Calcium	NS					
	Chromium	50					
	Copper	200					
	Iron	300					
	Lead	50					
	Magnesium	35000 (G)					
	Manganese	300					
	Mercury	0.7					
	Nickel	100					
	Potassium	NS					
	Selenium	10					
	Silver	50					
	Sodium	20000					
	Vanadium	NS					
	Zinc	2000 (G)					
	Cyanide	200					
	Total Inorganics			59,157	379,471	400,880	381,485

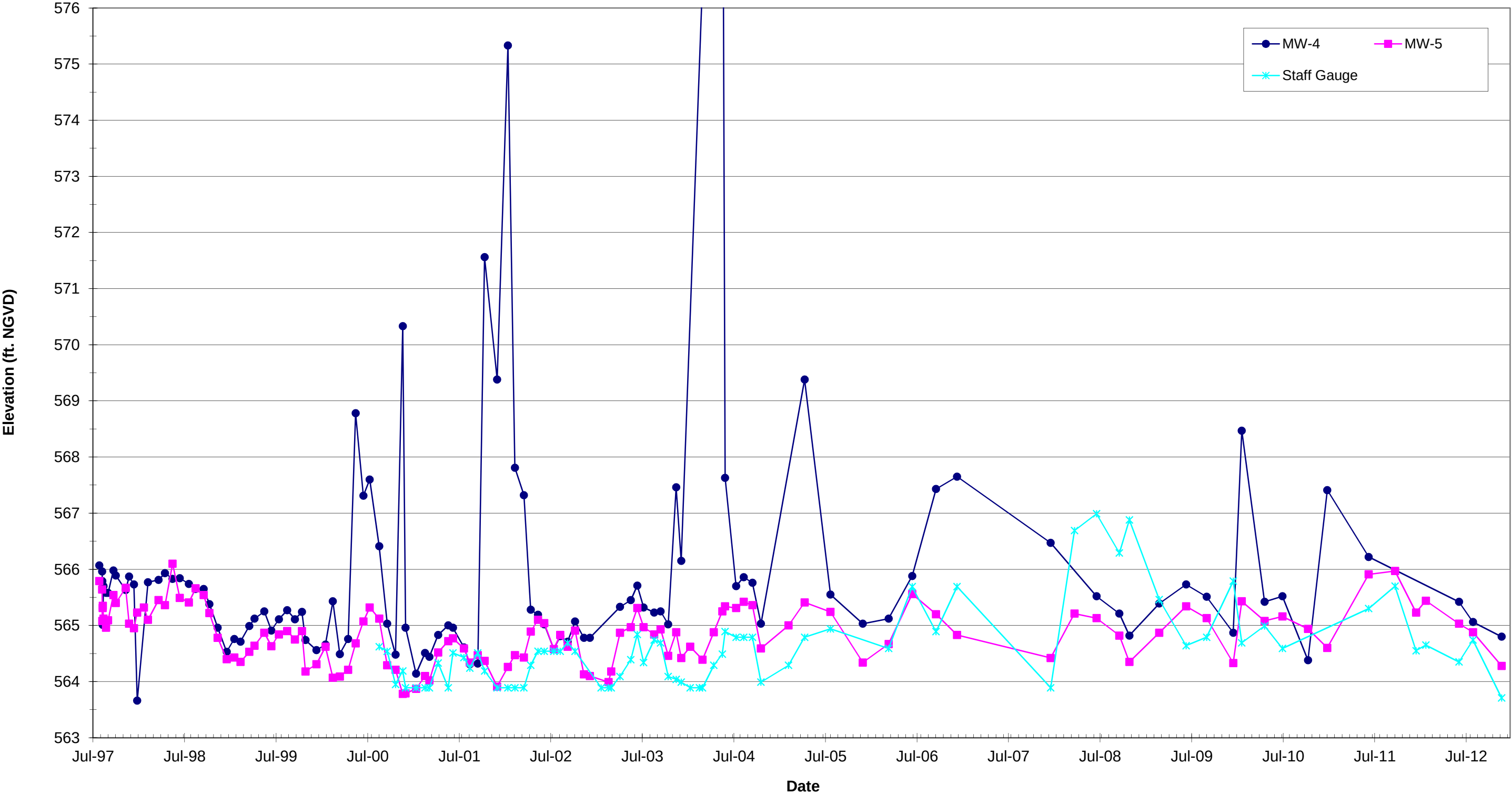
Notes:
NYSDEC June 1998 Ambient Water Quality Standards and Guidance Values for Groundwater Class GA.
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J (organics) = Indicates an estimated value

APPENDIX B-5
Historical Hydrographs
(Monitoring Wells, 1997-2012)

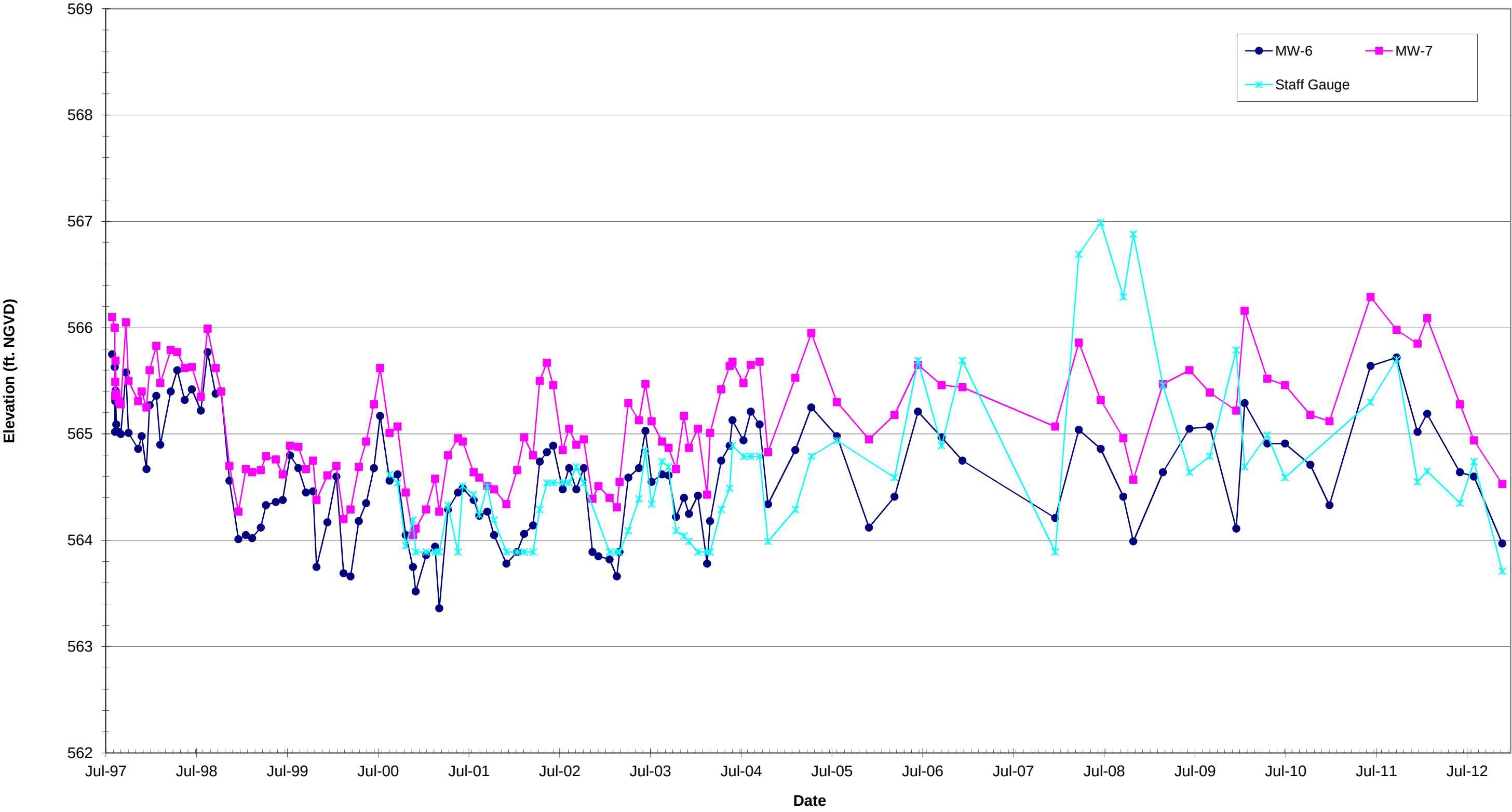
Appendix B-5
Historical Hydrograph
MW-1, MW-2, MW-3, and Staff Gauge



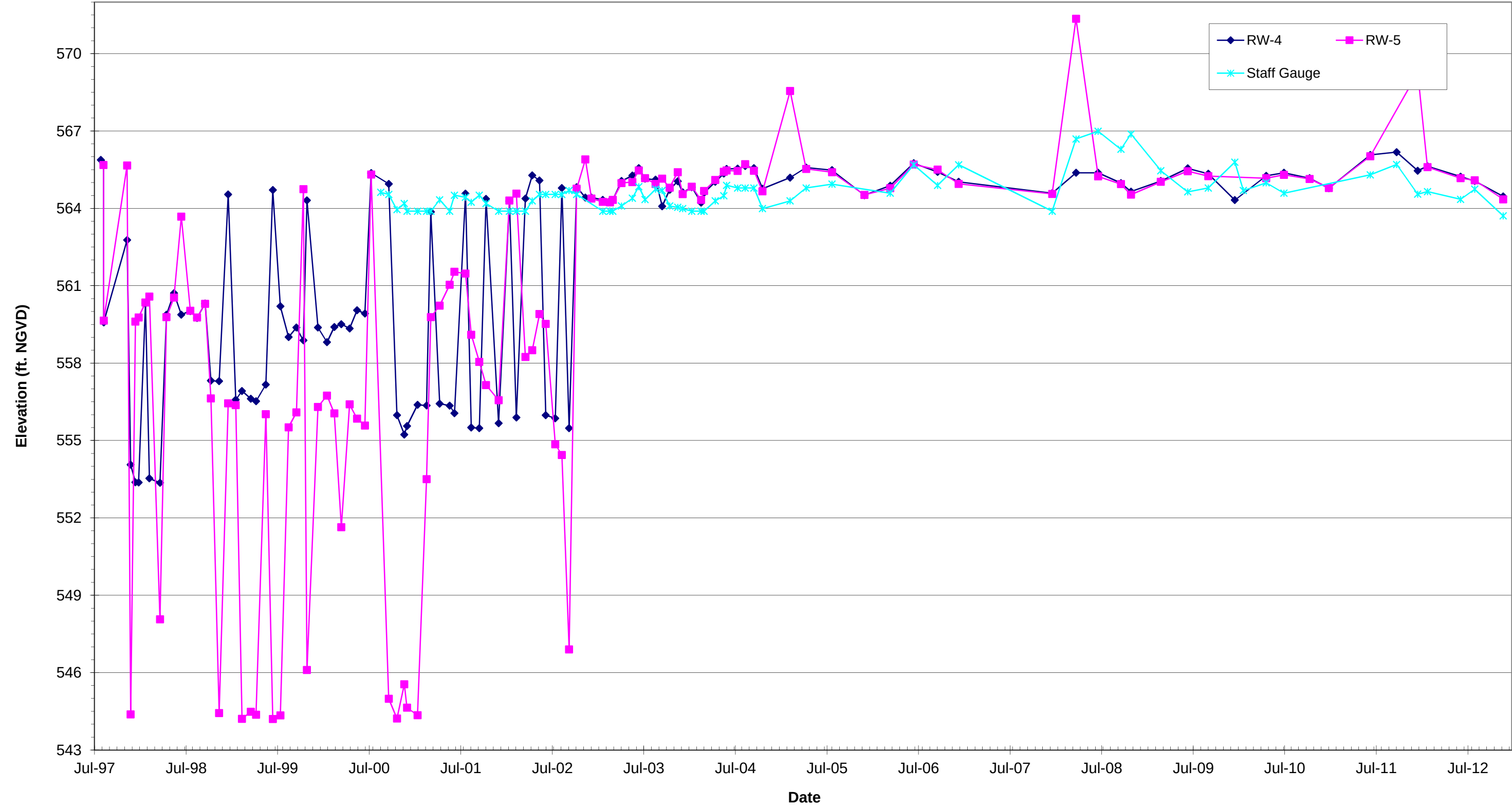
Appendix B-5
Historical Hydrograph
MW-4, MW-5, and Staff Gauge



Appendix B-5
Historical Hydrograph
MW-6, MW-7, and Staff Gauge

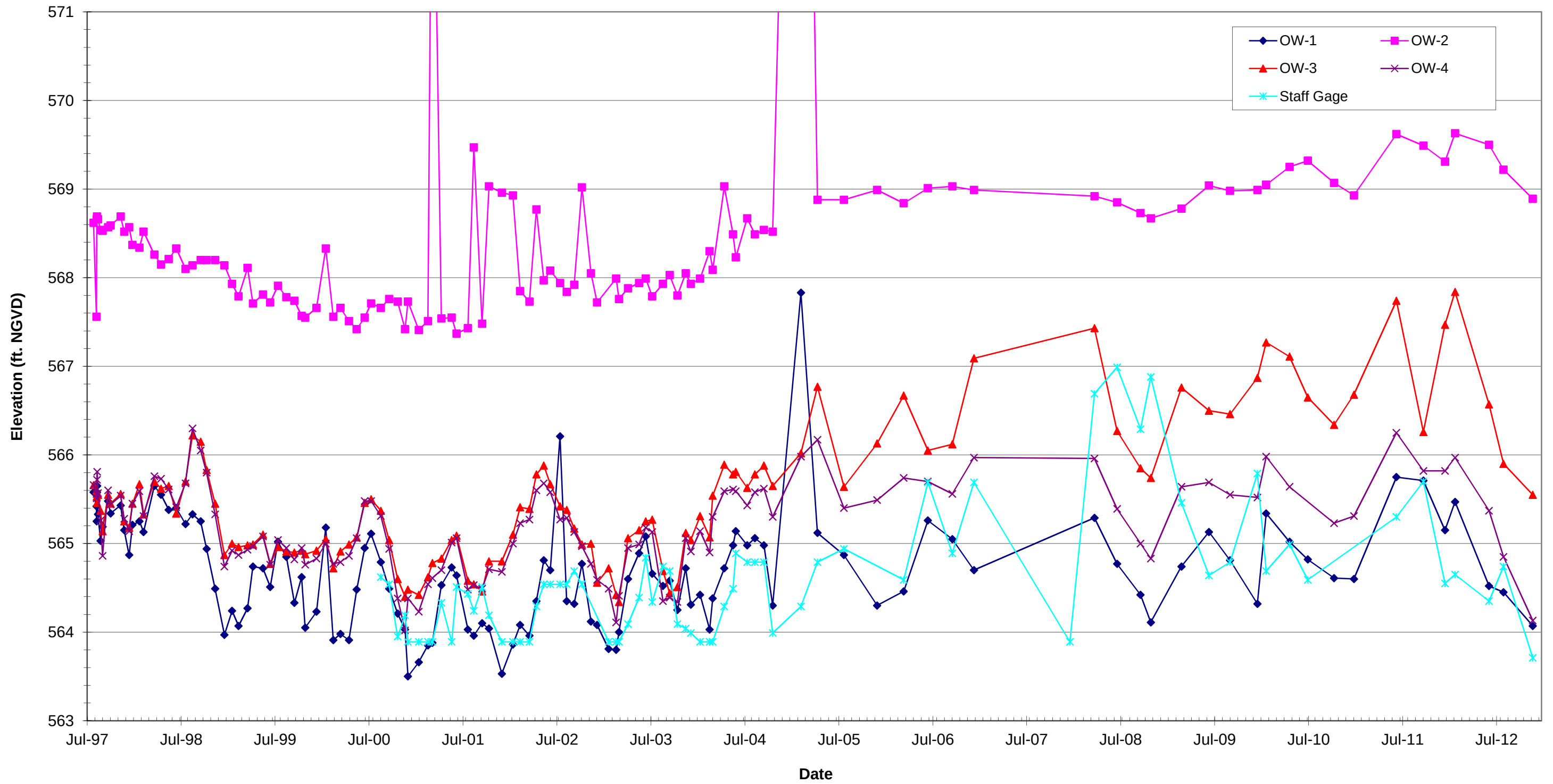


Appendix B-5
Historical Hydrograph
RW-4, RW-5, and Staff Gauge

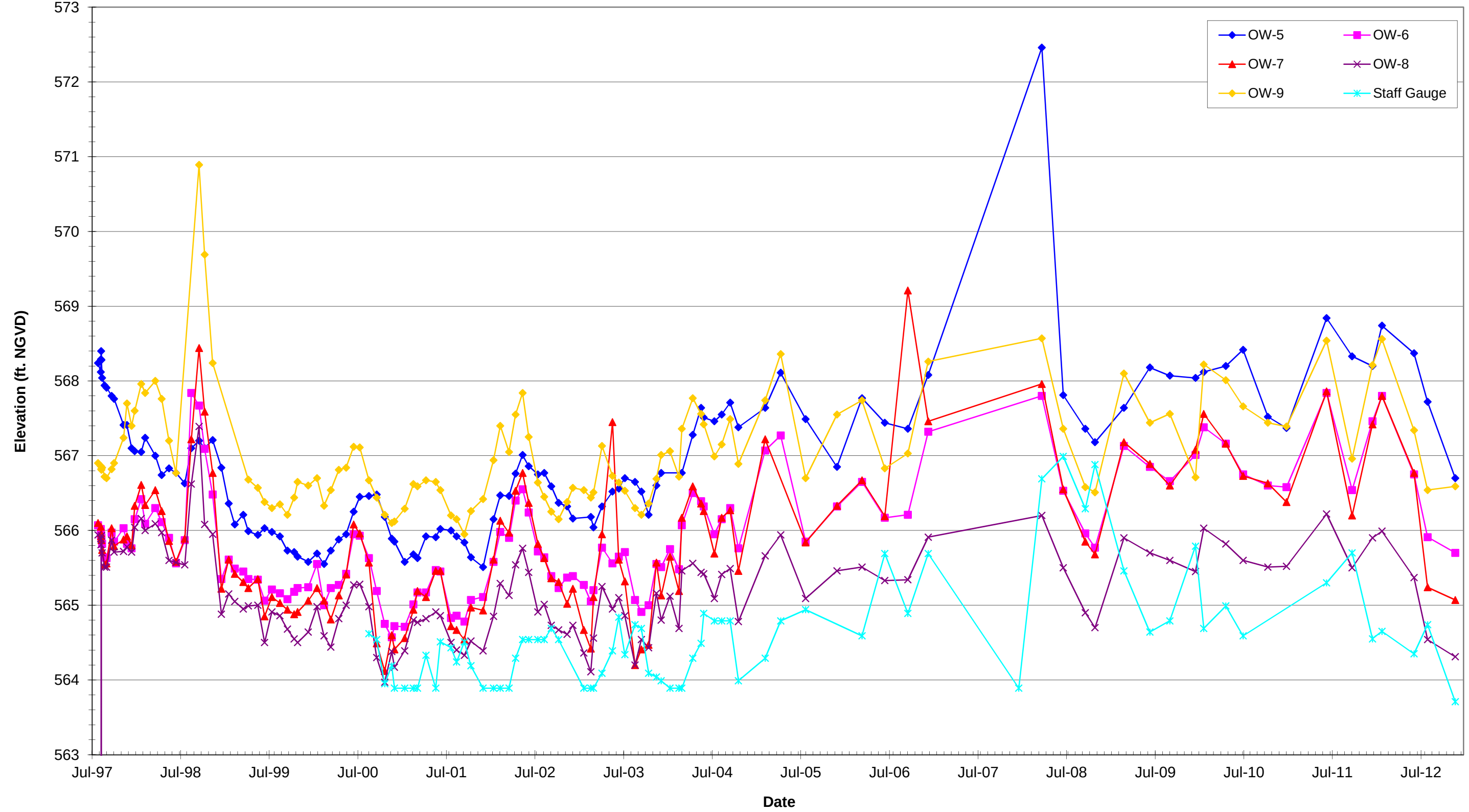


APPENDIX B-6
Historical Hydrographs
(Sumps and Observation Wells, 1997-2012)

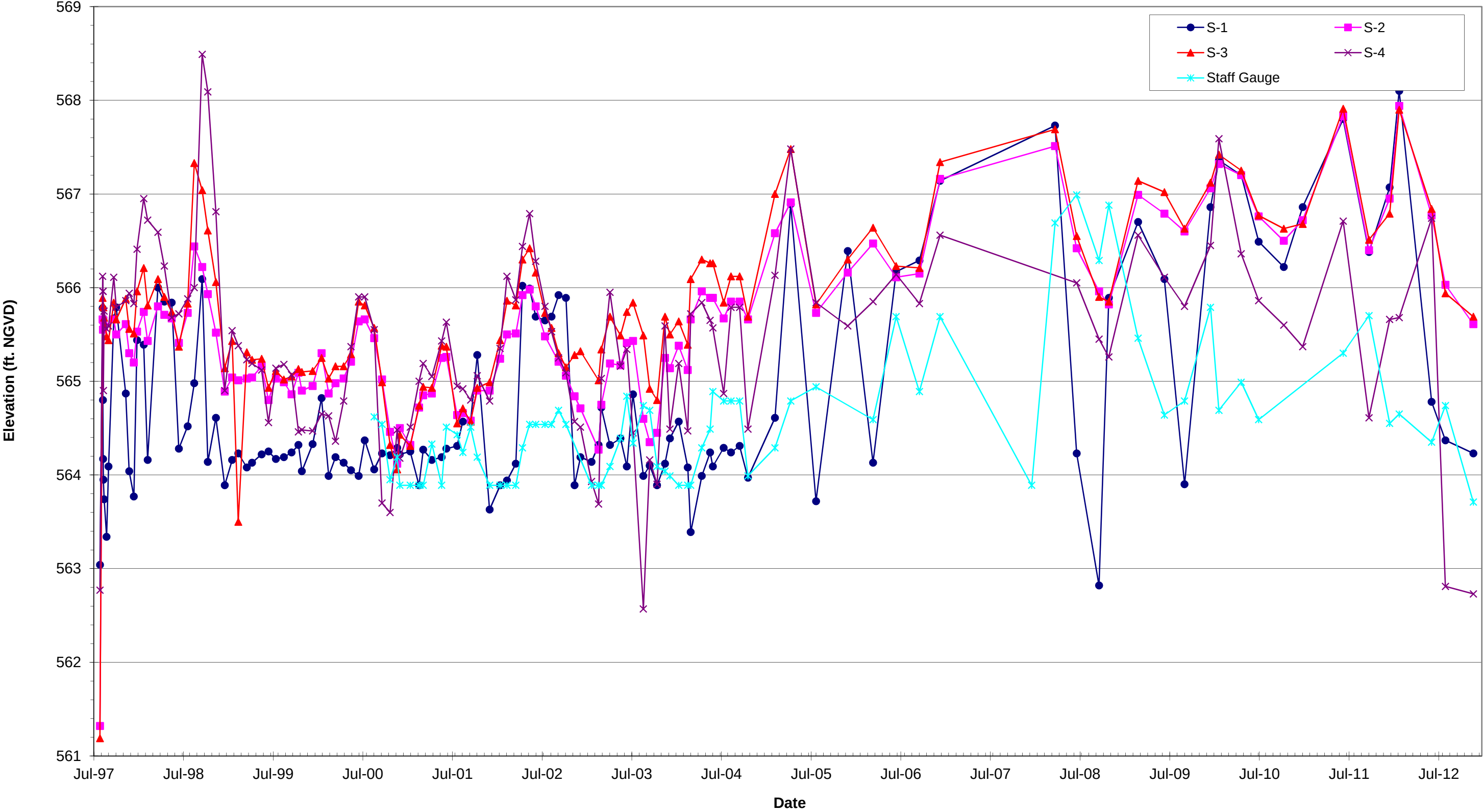
Appendix B-6
Historical Hydrograph
OW-1, OW-2, OW-3, OW-4,
and Staff Gauge



Appendix B-6
Historical Hydrograph
OW-5, OW-6, OW-7, OW-8, OW-9,
and Staff Gauge



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 MU-1

Samplers

Total Well Depth (TOC)		feet
Initial Static Water Level (TOC)		feet
Well Diameter		inches

Purging Data

Method Grab

Date/Time 8/7/12 1450

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	13.31	0.16	4.4	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 15 gallons

Sampling Data

Method Grab

Date/Time 8/7/12 1505

Parameters	Bottle	Preservation	Method
VOC's	40 ml	1:1 HCl	Grab
Semi Volatiles	Liter	None	Grab
PCB's	Liter	None	Grab

Field Parameters

pH
Temp. (°F)
Spec. Cond. (uS/cm)
Turbidity (NTU)

0 Volume	1 Volume	2 Volume	3 Vol/Sample
7.26	7.11	7.01	7.02
15.84	13.36	13.33	13.37
1250	1260	1254	1252
178	214	315	214

Comments:

WELL SAMPLING RECORD

Site Name Cherry Farm

Well ID MW-2

Samplers

Total Well Depth (TOC)		feet
Initial Static Water Level (TOC)		feet
Well Diameter		inches

Purging Data

Method Grab Date/Time 8/7/12 1430

Water Volume = (Total Depth of Well - Depth To Water) x Casing Volume per Foot

Well depth	DTW	Casing Vol. per foot	Water Volume
42.25	13.83	0.16	4.5

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 gallons

Sampling Data

Method Grab Date/Time 8/7 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

pH
Temp. (°F)
Spec. Cond. (uS/cm)
Turbidity (NTU)

0 Volume	1 Volume	2 Volume	3 Vol/Sample
7.47	7.22	7.17	7.44
1865	1440	1422	1433
682	1273	1279	1269
9.1	76	322	404

Comments:

WELL SAMPLING RECORD

Site Name Cherry Farm

Well ID MW-3

Samplers

Total Well Depth (TOC)		feet
Initial Static Water Level (TOC)		feet
Well Diameter		inches

Purging Data

Method Grab Date/Time 8/7 1315

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	6.69	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 gallons

Sampling Data

Method Grab Date/Time 8/7 1330

Parameters	Bottle	Preservation	Method
VOC's	40 ml	1:1 HCl	Grab
Semi Volatiles	Liter	None	Grab
PCB's	Liter	None	Grab

Field Parameters

pH
Temp. (°F)
Spec. Cond. (uS/cm)
Turbidity (NTU)

0 Volume	1 Volume	2 Volume	3 Vol/Sample
739	678	677	701
1752	1229	1193	1185
834	999	964	933
88.3	23.1	22.9	16.8

Comments:

WELL SAMPLING RECORD

Site Name Cherry Farm

Well ID M054

Samplers Jon Mike

Total Well Depth (TOC) 49.8 feet
Initial Static Water Level (TOC) 18.77 feet
Well Diameter 2 inches

Purging Data

Method Grab

Date/Time 8/7/12 1510

Water Volume = (Total Depth of Well - Depth To Water) x Casing Volume per Foot

Well depth	DTW	Casing Vol. per foot	Water Volume
<u>49.80</u>	<u>18.77</u>	0.16	<u>5</u> gallons

Casing Volumes (gal/ft.):			
1-inch	0.041	4-inch	0.64
2-inch	0.16	6-inch	1.4
3-inch	0.36	8-inch	2.5
		10-inch	4

Volume of Purge Water Removed 15 gallons

Sampling Data

Method Grab

Date/Time 8/7/12 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

pH
Temp. (°F)
Spec. Cond. (uS/cm)
Turbidity (NTU)

0 Volume	1 Volume	2 Volume	3 Vol/Sample
<u>7.16</u>	<u>7.00</u>	<u>7.00</u>	<u>6.99</u>
<u>12.84</u>	<u>12.64</u>	<u>11.60</u>	<u>13.01</u>
<u>494</u>	<u>503</u>	<u>754</u>	<u>861</u>
<u>4.5</u>	<u>116</u>	<u>120</u>	<u>87</u>

Comments:

WELL SAMPLING RECORD

Site Name Cherry Farm Well ID MW-5

Samplers Jer
Mike

Total Well Depth (TOC) 49.45 feet
Initial Static Water Level (TOC) 19.26 feet
Well Diameter 2 inches

Purging Data

Method Grab Date/Time 8/7/12

Water Volume = (Total Depth of Well - Depth To Water) x Casing Volume per Foot

Well depth	DTW	Casing Vol. per foot	Water Volume
<u>49.45</u>	<u>19.26</u>	0.16	<u>5</u> 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 8/7/12 1300

Parameters	Bottle	Preservation	Method
VOC's	40 ml	1:1 HCl	Grab
Semi Volatiles	Liter	None	Grab
PCB's	Liter	None	Grab

Field Parameters

pH
Temp. (°F)
Spec. Cond. (uS/cm)
Turbidity (NTU)

0 Volume	1 Volume	2 Volume	3 Vol/Sample
<u>7.19</u>	<u>7.09</u>	<u>7.01</u>	<u>7.06</u>
<u>1276</u>	<u>1276</u>	<u>1179</u>	<u>1169</u>
<u>813</u>	<u>848</u>	<u>829</u>	<u>794</u>
<u>20.2</u>	<u>15.6</u>	<u>7.3</u>	<u>6.0</u>

Comments:

WELL SAMPLING RECORD

Site Name Cherry Farm Well ID MW-6

Samplers Dep Mike

Total Well Depth (TOC) 50.8 feet
Initial Static Water Level (TOC) 21.1 feet
Well Diameter 2 inches

Purging Data

Method Grab Date/Time 8/7/12 1215

Water Volume = (Total Depth of Well - Depth To Water) x Casing Volume per Foot

Well depth	DTW	Casing Vol. per foot	Water Volume	
<u>50.8</u>	<u>21.1</u>	0.16	<u>4.8</u>	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 8/7/12 1230

Parameters	Bottle	Preservation	Method
VOC's	40 ml	1:1 HCl	Grab
Semi Volatiles	Liter	None	Grab
PCB's	Liter	None	Grab

Field Parameters

pH
Temp. (°F)
Spec. Cond. (uS/cm)
Turbidity (NTU)

0 Volume	1 Volume	2 Volume	3 Vol/Sample
	<u>6.90</u>	<u>10.85</u>	<u>6.91</u>
	<u>13.9</u>	<u>12.58</u>	<u>12.76</u>
	<u>86.6</u>	<u>820</u>	<u>819</u>
	<u>12.6</u>	<u>10.3</u>	<u>9.2</u>

Comments:

WELL SAMPLING RECORD

Site Name Cherry Farm

Well ID MW-1

Samplers

Total Well Depth (TOC)	45.50	feet
Initial Static Water Level (TOC)	21.46	feet
Well Diameter	2	inches

Purging Data

Method Grab Date/Time 8/7/12 1405

Water Volume = (Total Depth of Well - Depth To Water) x Casing Volume per Foot

Well depth	DTW	Casing Vol. per foot	Water Volume	
45.50	21.46	0.16	3.8	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 12 gallons

Sampling Data

Method Grab Date/Time 8/7/12 1420

Parameters	Bottle	Preservation	Method
VOC's	40 ml	1:1 HCl	Grab
Semi Volatiles	Liter	None	Grab
PCB's	Liter	None	Grab

Field Parameters

pH
Temp. (°F)
Spec. Cond. (uS/cm)
Turbidity (NTU)

0 Volume	1 Volume	2 Volume	3 Vol/Sample
7.26	12.81	10.90	10.93
13.07	12.41	12.53	12.73
535	639	846	903
14	14	16	8

Comments:

WELL SAMPLING RECORD

Site Name Cherry Farm

Well ID RW-4

Samplers Jon S
Mike R

Total Well Depth (TOC) 52.40 feet
Initial Static Water Level (TOC) 16.77 feet
Well Diameter 8 inches

Purging Data

Method Low Flow Pumping

Date/Time 8/7/12 195

<u>52.40</u>	<u>16.77</u>	<u>2.5</u>	<u>89</u>
~~52.40~~	~~16.77~~	~~2.5~~	~~89~~

Discharging Volumes (gal/ft.):			
1-inch	0.041	4-inch	0.64
2-inch	0.16	6-inch	1.4
3-inch	0.36	8-inch	2.5
10-inch	4		

Sampling Data

Method Grab

Date/Time 8/7/12 1250

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	<u>16.35</u>	<u>6.87</u>	<u>13.94</u>	<u>274</u>	<u>32</u>	<u>0</u>
	5	<u>16.89</u>	<u>6.52</u>	<u>14.37</u>	<u>273</u>	<u>28</u>	<u>380</u>
	10	<u>16.91</u>	<u>6.52</u>	<u>14.20</u>	<u>270</u>	<u>22</u>	<u>380</u>
	15	<u>16.95</u>	<u>6.51</u>	<u>14.32</u>	<u>271</u>	<u>29</u>	<u>380</u>
	20	<u>17.00</u>	<u>6.50</u>	<u>14.26</u>	<u>270</u>	<u>40</u>	<u>380</u>
	25	<u>17.03</u>	<u>6.50</u>	<u>14.21</u>	<u>270</u>	<u>88</u>	<u>380</u>
	30	<u>17.03</u>	<u>6.50</u>	<u>14.19</u>	<u>271</u>	<u>93</u>	<u>380</u>
	35	<u>17.06</u>	<u>6.50</u>	<u>14.20</u>	<u>270</u>	<u>11</u>	<u>380</u>
	40						<u>380</u>
	45						<u>380</u>
	50						<u>380</u>
	55						<u>380</u>
	60						<u>380</u>

Comments:

WELL SAMPLING RECORD

Site Name Cherry Farm

Well ID ~~RW-5~~

Samplers Ben Simonsen
Mike Kelsch

Total Well Depth (TOC) 52.40 feet
Initial Static Water Level (TOC) 16.77 feet
Well Diameter 8" inches

Purging Data

Method Low Flow Pumping

Date/Time 8/7/12 8:50 am

<u>52.40</u>	<u>16.77</u>	<u>2.5</u>	<u>88</u>
~~52.40~~	~~16.77~~	~~2.5~~	~~88~~

Basing Volumes (gal/ft.):			
1-inch	0.041	4-inch	0.64
2-inch	0.16	6-inch	1.4
3-inch	0.36	8-inch	2.5
		10-inch	4

Sampling Data

Method Grab

Date/Time 8/7/12 0951

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	<u>16.96</u>	<u>7.76</u>	<u>15.10</u>	<u>482</u>	<u>4.3</u>	0
	5	<u>17.34</u>	<u>7.74</u>	<u>13.77</u>	<u>344</u>	<u>0.8</u>	380
	10	<u>17.50</u>	<u>7.77</u>	<u>13.78</u>	<u>335</u>	<u>1.1</u>	380
	15	<u>17.69</u>	<u>7.78</u>	<u>13.30</u>	<u>329</u>	<u>0.3</u>	380
	20	<u>17.85</u>	<u>7.83</u>	<u>12.75</u>	<u>314</u>	<u>21.1</u>	380
	25	<u>17.95</u>	<u>7.83</u>	<u>13.60</u>	<u>320</u>	<u>8.8</u>	380
	30	<u>18.01</u>	<u>7.81</u>	<u>14.15</u>	<u>329</u>	<u>4.5</u>	380
	35	<u>18.11</u>	<u>7.81</u>	<u>14.25</u>	<u>331</u>	<u>7.9</u>	380
	40	<u>18.20</u>	<u>7.82</u>	<u>14.23</u>	<u>336</u>	<u>6.4</u>	380
	45	<u>18.23</u>	<u>7.83</u>	<u>14.98</u>	<u>335</u>	<u>4.6</u>	380
	50	<u>18.25</u>	<u>7.81</u>	<u>14.97</u>	<u>335</u>	<u>3.8</u>	380
	55	<u>18.20</u>	<u>7.82</u>	<u>14.98</u>	<u>336</u>	<u>6.8</u>	380
	60						380

Comments:

SUMP WATER SAMPLING RECORD

Site Name

Sample ID

Samplers

Sample Description

Type of Water Body
Physical Appearance/Odor
Color/Stain

Sampling Data

Method

Date/Time

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
Temp. (°F)
Spec. Cond. (uS/cm)
Turbidity (NTU)

Comments

SUMP WATER SAMPLING RECORD

Site Name Cherry Farm

Sample ID **5-2**

Duf

Samplers	

Sample Description

Type of Water Body	Sump
--------------------	------

Physical Appearance/Odor	no apparent needs
--------------------------	-------------------

Color/Stain	Clear brown foam
-------------	------------------

Sump

no apparent needs

Clear brown foam

light sheen surface

Sampling Data

Method	Grab
--------	------

Date/Time 8/8/12 1110

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 3.35

Temp. (°F) 20.25

Spec. Cond. (uS/cm)	1,189
---------------------	-------

Turbidity (NTU)	4
-----------------	---

$$\begin{array}{r} 3.35 \\ 20.25 \\ \hline 1,189 \\ 4 \end{array}$$

Comments



SUMP WATER SAMPLING RECORD

Site Name Cherry Farm

Sample ID S-3

MS/MSP

Samplers

Sample Description

Type of Water Body

Physical Appearance/Odor

Color/Stain

Sump

Light sump, no apparent odor

Clear bio-film?

Sampling Data

Method Grab

Date/Time

8/8/12 1045

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

Temp. (°F)

Spec. Cond. (uS/cm)

Turbidity (NTU)

10.04
78.15
608
10

Comments

SUMP WATER SAMPLING RECORD

Site Name Cherry Farm

Sample ID S-4

Samplers

Sample Description

Type of Water Body
Physical Appearance/Odor
Color/Stain

Sump
water / no odor
clear / black @ bottom

top 1-2' gray of sump

Sampling Data

Method Grab

Date/Time 8/12/10

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
Temp. (°F)
Spec. Cond. (uS/cm)
Turbidity (NTU)

10.76
14.55
808
16

Comments

APPENDIX D

2012 Remedial System Monitoring Data
and Industrial Sewer Connection Permit

Appendix D
2012 Remedial System Monitoring Data

	Wastewater Discharge Limit	Jan-12	Feb-12	Mar-12	Apr-12	May-12	May-12*	Jun-12	Jun-12*	Jun-12*	Jul-12	July-12*	Aug-12	Aug-12*	Sep-12	Sep-12*	Oct-12	Nov-12	Dec-12	Dec-12
OWS/Influent *																				
PCBs																				
Aroclor 1016	NA	1.4		0.83	1.3	1.2	NS	1.2	NS	NS	ND	NS	ND	NS	ND	NS	0.36	ND	ND	NS
Aroclor 1221	NA	ND		ND	ND	ND	NS	ND	NS	NS	ND	NS	ND	NS	ND	NS	ND	ND	ND	NS
Aroclor 1232	NA	ND		ND	ND	ND	NS	ND	NS	NS	ND	NS	ND	NS	ND	NS	ND	ND	ND	NS
Aroclor 1242	NA	ND		ND	ND	ND	NS	ND	NS	NS	2.3	NS	ND	NS	0.73	NS	ND	0.68	0.21	NS
Aroclor 1248	NA	ND		ND	ND	ND	NS	ND	NS	NS	ND	NS	ND	NS	ND	NS	ND	ND	ND	NS
Aroclor 1254	NA	ND		ND	ND	ND	NS	ND	NS	NS	ND	NS	ND	NS	ND	NS	0.021	ND	0.053	NS
Aroclor 1260	NA	ND		ND	ND	ND	NS	ND	NS	NS	ND	NS	ND	NS	ND	NS	ND	ND	ND	NS
Between Carbon																				
PCBs																				
Aroclor 1016	NA	ND		ND	ND	ND	ND	ND	ND	NS	ND	0.10	ND	ND	ND	ND	ND	ND	ND	NS
Aroclor 1221	NA	ND		ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
Aroclor 1232	NA	ND		ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
Aroclor 1242	NA	ND		ND	ND	ND	0.2	ND	ND	NS	ND	ND	ND	ND	0.11	ND	ND	0.16	0.063	NS
Aroclor 1248	NA	ND		ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
Aroclor 1254	NA	ND		ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
Aroclor 1260	NA	ND		ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
Oil & Grease	100 mg/L						ND	NS	1.7	NS	NS	ND	ND	ND	NS	ND	-	1.6	-	NS
ML-1																				
PCBs																				
Aroclor 1016	<PQL (µg/L)	ND	ND	ND	ND	ND	NS	ND	NS	NS	ND	NS	ND	NS	ND	NS	ND	ND	ND	NS
Aroclor 1221	<PQL (µg/L)	ND	ND	ND	ND	ND	NS	ND	NS	NS	ND	NS	ND	NS	ND	NS	ND	ND	ND	NS
Aroclor 1232	<PQL (µg/L)	ND	ND	ND	ND	ND	NS	ND	NS	NS	ND	NS	ND	NS	ND	NS	ND	ND	ND	NS
Aroclor 1242	<PQL (µg/L)	ND	ND	ND	ND	ND	NS	ND	NS	NS	ND	NS	ND	NS	ND	NS	ND	ND	ND	NS
Aroclor 1248	<PQL (µg/L)	ND	ND	ND	ND	ND	NS	ND	NS	NS	ND	NS	ND	NS	ND	NS	ND	ND	ND	NS
Aroclor 1254	<PQL (µg/L)	ND	ND	ND	ND	ND	NS	ND	NS	NS	ND	NS	ND	NS	ND	NS	ND	ND	ND	NS
Aroclor 1260	<PQL (µg/L)	ND	ND	ND	ND	ND	NS	ND	NS	NS	ND	NS	ND	NS	ND	NS	ND	ND	ND	NS
Oil & Grease	100 mg/L	ND	ND	ND	ND	ND	NS	1.8	NS	NS	2.3	NS	ND	NS	ND	NS	ND	5.8	ND	NS
ML-2 (Post-Carbon)																				
PCBs																				
Aroclor 1016	<PQL (µg/L)	ND	ND	ND	ND	ND	NS	ND	NS	ND	ND	NS	ND	NS	ND	NS	ND	ND	ND	ND
Aroclor 1221	<PQL (µg/L)	ND	ND	ND	ND	ND	NS	ND	NS	ND	ND	NS	ND	NS	ND	NS	ND	ND	ND	ND
Aroclor 1232	<PQL (µg/L)	ND	ND	ND	ND	ND	NS	ND	NS	ND	ND	NS	ND	NS	ND	NS	ND	ND	ND	ND
Aroclor 1242	<PQL (µg/L)	ND	ND	ND	ND	ND	NS	ND	NS	ND	ND	NS	ND	NS	ND	NS	ND	ND	ND	ND
Aroclor 1248	<PQL (µg/L)	ND	ND	ND	ND	ND	NS	ND	NS	ND	ND	NS	ND	NS	ND	NS	ND	ND	ND	ND
Aroclor 1254	<PQL (µg/L)	ND	ND	ND	ND	ND	NS	ND	NS	ND	ND	NS	ND	NS	ND	NS	ND	ND	ND	ND
Aroclor 1260	<PQL (µg/L)	ND	ND	ND	ND	ND	NS	ND	NS	ND	ND	NS	ND	NS	ND	NS	ND	ND	ND	ND
Oil & Grease	100 mg/L	ND	ND	ND	ND	ND	NS	ND	NS	3.2	2.7	NS	ND	NS	ND	NS	1.7	ND	ND	2.2
TSS	250 mg/L	-	-	-	-	-	-	-	-	ND	-	-	-	-	-	-	-	-	-	ND
pH	5.0-9.5 S.U.	-	-	-	-	-	-	-	-	7.74	-	-	-	-	-	-	-	-	-	7.28
BOD	250 mg/L	-	-	-	-	-	-	-	-	ND	-	-	-	-	-	-	-	-	-	ND
SGT TPH	100 mg/L	-	-	-	-	-	-	-	-	2.7	-	-	-	-	-	-	-	-	-	2.7
Total Phosphorous	6.0 mg/L	-	-	-	-	-	-	-	-	ND	-	-	-	-	-	-	-	-	-	0.018
Total Zinc	4.4 mg/L	-	-	-	-	-	-	-	-	0.0038	-	-	-	-	-	-	-	-	-	0.0052
Effluent Flow	gallons/month	315,601	365,320	252,655	234,953	299,350		276,305			265,188		221,911		132,222		152,487	187,519	290,931	

Notes:

PCBs = Polychlorinated Biphenyls

PQL = Practical Quantitation Limit

TSS = Total Suspended Solids

BOD = Biochemical Oxygen Demand

SGT TPH = Silica Gel Treated Total Petroleum Hydrocarbon

ND = Not Detected

SD = System Down

* = May 2012 - Sep 2012 - Bi-weekly Between samples were collected during Foul-Out treatment

BOLD = concentration exceeds permitted Wastewater Discharge Limit

RECEIVED

OCT 22 2010

GES BUFFALO

Page 1 of 8

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

Town of Tonawanda

Office of the Compliance Coordinator

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	DAILY MAXIMUM
	mg/l (lbs/day)	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	DAILY MAXIMUM
	mg/l (lbs/day)	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

1. *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 Form



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: ~~May 01, 2012 to May 01, 2013~~ January 1 to December 31, 2012

- | | 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

Description of Institutional Controls

<u>Parcel</u>	<u>Owner</u>	<u>Institutional Control</u>
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.

Description of Engineering Controls

<u>Parcel</u>	<u>Engineering Control</u>
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.

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 complete.

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 at 300 ERIE BLVD WEST, SYRACUSE, NY
print name print business address

am certifying as OWNER (Owner or Remedial Party)

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

William R. Jones for Niagara Mohawk
Signature of Owner, Remedial Party, or Designated Representative
Rendering Certification

5/20/2013
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 Cresap at 495 Aero Drive, Cheektowaga, NY
print name print business address

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

[Signature]
Signature of Professional Engineer, for the Owner or
Remedial Party, Rendering Certification



5/23/2013
Date

APPENDIX F

Copy of December 2012
Hazardous Waste Manifest

GENERATOR



Land Disposal Restriction
Notification Form

Page : 1 of 1

Printed Date : Dec 04, 2012

MANIFEST INFORMATION

Generator : Cherry Farm PRP Group

Address: 4100 River Road
Tonawanda, NY 14150

EPA ID #: NYD038641601

Manifest Tracking Info.

006084321FLE

Sales Order No: 724784349

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
1.	1	CH522736	NON-WASTEWATER	2 (This is subject to LDR.)
EPA Waste Code			EPA Waste SubCategory	
D002			Corrosive Characteristic	

Certification

Applies to
Manifest Line
Items

Pursuant to 40 CFR 268.7(a), I hereby notify that this shipment contains waste restricted under 40 CFR Part 268.

1.

This waste is not restricted as specified in 40 CFR 268 Subpart D.

2. 3.

Waste analysis data, where available, is attached.

Signature :

on behalf
Jen Siniscalchi
Proj. Hydro.

Print Name

Date :

on behalf
Jen Siniscalchi
12/5/12
f PRP Group

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 PRP Group
EPA ID No. NYD 038641601

Signature: JP Siniscalchi on behalf of PRP Group
Date: 12/5/12

Manifest No.: 006084321 FUE

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.

- ☒ 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)

☒ 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.

☒ 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: 44-38861-20

GENERATOR NAME: Chapman, C.

ADDRESS: 2400 Kew Drive

EPA ID NUMBER: 44201000001

[illegible]

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.