



Groundwater & Environmental Services, Inc.

495 Aero Drive, Suite 3
Cheektowaga, NY 14225

T. 800.287.7857

February 28, 2018

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

**Re: 2017 Annual Periodic Review Report
Cherry Farm Site (NYSDEC Site No. 9-15-063)
River Road Site (NYSDEC Site No. 9-15-031)
4100 River Road, Tonawanda, New York 14150
File No. 442205**

Dear Mr. Sadowski:

On behalf of the Potentially Responsible Parties Group (PRP Group) of Honeywell International Inc. and Niagara Mohawk Power Corp. d/b/a National Grid, Groundwater & Environmental Services, Inc. (GES) is pleased to submit the attached Periodic Review Report (PRR). The report was prepared in accordance with the PRR General Guidance document provided by New York State Department of Environmental Conservation (NYSDEC) and documents the implementation of and compliance with site management requirements for the site. The reporting period encompasses January 1, 2017 through December 31, 2017.

If you have any questions, please contact Thomas Palmer at (800) 287-7857 (ext. 4346).

Sincerely,

A handwritten signature in blue ink, appearing to read "Tom Palmer", with a long horizontal flourish extending to the right.

Thomas Palmer
Project Manager



CC:

Brian Stearns
Niagara Mohawk Power Corp.
d/b/a
National Grid
300 Erie Boulevard West
Syracuse, NY 13202-4250

Mark Sweitzer
Honeywell International, Inc.
6100 Philadelphia Pike
Claymont, DE 19703

Chris Burns
CHA Consulting Inc.
9020 Stony Point Parkway,
Suite 160
Richmond, VA 23235

David Flynn
Phillips Lytle LLP
One Canalside
125 Main Street
Buffalo, NY 14203-2887

Jeff Davis
Barclay Damon LLP
One Park Place
300 South State Street
Syracuse, NY 13202

Ms. Julia M. Kenney
NYS Department of Health
Corning Tower
Room 1787
Albany, NY 12237

City of Tonawanda Public
Library
File (442205 No 13c)
333 Main Street
Tonawanda, NY 14150-3320

Cherry Farm/River Road Potentially Responsible Parties Group

2017 Annual Periodic Review Report

Cherry Farm/River Road Site

4100 River Road, Tonawanda, New York 14150

NYSDEC Site No. 9-15-063 and 9-15-031

February 28, 2018

File No. 442205





2017 Annual Periodic Review Report

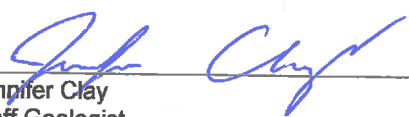
Cherry Farm/River Road
4100 River Road
Tonawanda, New York 14150

Prepared for:
New York State Department of Environmental
Conservation
270 Michigan Avenue
Buffalo, New York 14203

Prepared by:
Groundwater & Environmental Services, Inc.
495 Aero Drive, Suite 3
Cheektowaga, NY 14225
TEL: 800-287-7857
www.gesonline.com

GES Project:
0901654

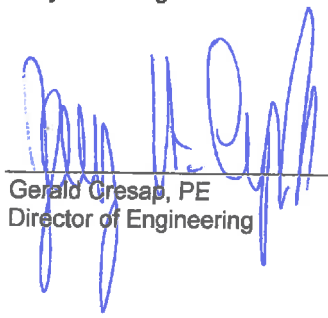
Date:
February 28, 2018



Jennifer Clay
Staff Geologist



Thomas Palmer
Project Manager



Gerald Cresap, PE
Director of Engineering



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Acronyms

GES	Groundwater & Environmental Services, Inc.
BOD	Biochemical Oxygen Demand
Class GA	Ambient Groundwater
DTP	Depth to Product
DTW	Depth to Water
gpm	Gallons per minute
LNAPL	Light non-aqueous phase liquids
µg/L	Micrograms per liter
NYSDEC	New York State Department of Environmental Conservation
OM&M	Operations, Maintenance, and Monitoring
Parsons	Parsons Corporation
PCBs	Polychlorinated biphenyls
pH	Potential of hydrogen
PRP	Potential Responsible Parties
PRR	2017 Annual Periodic Review Report
QA/QC	Quality assurance/quality control
RAP	Remedial Action Plan
RCRA	Resource Conservation and Recovery Act
SDA	Sediment disposal area
Site	Cherry Farm/River Road Site
SVOCs	Semi-volatile organic compounds
TAL	Target analyte list
TCL	Target compound list
TestAmerica	TestAmerica Laboratories, Inc.
TOGS 1.1.1	NYSDEC Technical and Operation Guidance Series 1.1.1
TPH	Total petroleum hydrocarbons
TSS	Total suspended solids
VOCs	Volatile organic compounds
WQSG	Water Quality Standards/Guidance Values

1 Executive Summary

1.1 Introduction

This 2017 Annual Periodic Review Report (PRR) for the Cherry Farms/River Road Site (Site) summarizes the monitoring and maintenance activities conducted at the Site from January 1 through December 31, 2017. The work was conducted as part of the required post-construction operations, maintenance, and monitoring (OM&M) program. The goals of the OM&M program are to monitor and evaluate groundwater and surface water quality and to monitor and maintain the integrity of the landfill remedy (which includes the cap and groundwater collection/treatment systems), offshore barrier islands, and shoreline wetlands.

The OM&M program follows procedures specified in the OM&M manual developed by Parsons Corporation (Parsons) of Williamsville, New York. The OM&M manual was revised by Parsons on September 6, 2006, to reflect New York State Department of Environmental Conservation (NYSDEC) approved changes, including elimination of nine extraction wells, and reduction in the sampling and analysis program. The OM&M manual was subsequently updated by Groundwater & Environmental Services, Inc. (GES) in June of 2017 with the latest NYSDEC-approved update.

1.2 Program Methodology

In accordance with the procedures outlined in the OM&M manual (dated June 2017), annual sampling includes sampling of the collection trench sumps in the shallow aquifer and monitoring wells in the intermediate/deep aquifer, including former recovery wells RW-4 and RW-5. Starting in 2017, monitoring wells MW-1, MW-2, MW-3, and MW-7 are only sampled every two years (during even numbered years). Therefore, these monitoring wells were not sampled during the first quarter or fourth quarter of the 2017 sampling events. The OM&M manual prescribes that the season during which samples are collected will be varied and that the sampling events should be separated by a minimum of two quarters and a maximum of four quarters. For this reason, sampling events were conducted in the first quarter (March) and fourth quarter (October) of 2017.

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 TCL PCBs. Analytical results were compared to the ambient groundwater (Class GA) Water Quality Standards/Guidance Values (WQSG) and Groundwater Effluent Limitations, found in NYSDEC Technical and Operational Guidance Series 1.1.1 (TOGS 1.1.1). Surface water was not present in any of the surface water sampling locations during the sampling events or site inspections in 2017.

Water level monitoring was conducted on a quarterly basis and included the monitoring wells, former recovery wells, sumps, and observation wells. The water level data from the monitoring



wells and former recovery wells were used to construct hydrographs to evaluate hydraulic gradient and to construct groundwater contour maps. Groundwater contour maps and hydrographs are discussed in *Section 3* and included in *Figures 3.3a-d*, *Figures 3.4a-d*, and *Figures 3.5a-c*.

Cap/Site inspections were completed during the reporting period by GES on a monthly basis in conjunction with routine Site visits. 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. A formal inspection with NYSDEC personnel was conducted on April 14, 2017. The NYSDEC chose to forgo a second inspection during 2017.

Maintenance was performed on various components of the groundwater extraction and treatment system 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 collected monthly and semi-annual treatment system samples for laboratory analyses. Monthly analyses include PCBs, potential of hydrogen (pH), and total petroleum hydrocarbons (TPH). Semi-annual analyses include biochemical oxygen demand (BOD), total suspended solids (TSS), total cyanide, total phosphorus, and total arsenic. The analytical results assist in determining if the treatment system is operating in accordance with the Discharge Limitations and Monitoring Requirements outlined in the discharge permit located in *Appendix D*.

1.3 Monitoring Summary

1.3.1 Intermediate/Deep Groundwater Sampling – First Quarter 2017

In the intermediate/deep groundwater samples from MW-4, MW-6, RW-4, and RW-5, groundwater concentrations did not exceed Class GA WQSG for any VOCs. Benzene was the only VOC detected at a concentration exceeding Class GA WQSG at 15 micrograms per liter (µg/L) in well MW-5.

SVOCs and PCBs were not detected at or above the Class GA WQSG in any sample collected in the first quarter 2017.

1.3.2 Intermediate/Deep Groundwater Sampling – Fourth Quarter 2017

In the intermediate/deep groundwater samples from MW-4, MW-6, RW-4, and RW-5, groundwater concentrations did not exceed Class GA WQSG for any VOCs. Benzene was the only VOC detected at a concentration exceeding Class GA WQSG at 19 µg/L in well MW-5.

SVOCs and PCBs were not detected at or above the Class GA WQSG in any sample collected in the fourth quarter 2017.

1.3.3 Shallow Groundwater Sampling – First Quarter 2017

VOCs were not detected in concentrations exceeding Class GA WQSG in samples S-1, S-2, S-3, and S-4.

SVOCs were not detected in concentrations exceeding Class GA WQSG in samples S-1, S-2, and S-4. Specific SVOC analytes were detected in concentrations exceeding Class GA WQSG in S-3:

- 2,4-dimethylphenol was detected at 14 µg/L;
- 2-methylphenol was detected at 11 µg/L; and,
- 4-methylphenol was detected at 22 µg/L.

Pesticides were not detected in concentrations exceeding Class GA WQSG in samples collected in first quarter 2017, with the exception of one analyte from S-4:

- Heptachlor was detected at 0.049 µg/L.

PCBs were not detected in concentrations exceeding Class GA WQSG in sample S-1. The following PCB concentrations exceeded Class GA WQSG in samples S-2, S-3, and S-4:

- Aroclor 1232 was detected at 4.4 µg/L in S-4;
- Aroclor 1242 was detected at 0.61 µg/L in S-3; and,
- Aroclor 1248 was detected at 0.24 µg/L in S-2.

Concentrations of the metals iron and sodium exceeded Class GA WQSG in one or more samples. The following shows Class GA WQSG exceedances:

- Iron concentrations exceeded in S-4 at 370 µg/L; and,
- Sodium concentrations exceeded in S-2 at 42,700 µg/L, S-3 at 99,800 µg/L, and S-4 at 101,000 µg/L.

Concentrations of the resource conservation and recovery act (RCRA)-8 metals were below Class GA WQSG in all sump samples collected in the first quarter 2017.

1.3.4 Shallow Groundwater Sampling – Fourth Quarter 2017

VOCs were not detected in concentrations exceeding Class GA WQSG in samples S-1 and S-3. Benzene and total xylenes were detected in concentrations exceeding Class GA WQSG at 2.2 µg/L and 7.4 µg/L, respectively, in S-4. Vinyl chloride was detected in concentrations exceeding Class GA WQSG at 2.8 µg/L in S-2.

Specific SVOC analytes were detected in concentrations exceeding Class GA WQSG in S-1, S-2, and S-3:

- 2,4-dimethylphenol was detected at 60 µg/L in S-1, 3.4 µg/L in S-2, and 58 µg/L in S-3;
- 2-methylphenol was detected at 18 µg/L in S-1, 1.4 µg/L in S-2, and 36 µg/L in S-3;

- 4-methylphenol was detected at 43 µg/L in S-1, 3.1 µg/L in S-2, and 74 µg/L in S-3.

Pesticides were not detected in concentrations exceeding Class GA WQSG in any sample collected in October 2017.

PCBs were detected in concentrations exceeding Class GA WQSG in all shallow groundwater samples. The following shows PCB concentrations exceeding Class GA WQSG in samples S-1, S-2, S-3, and S-4:

- Aroclor 1242 was detected at 0.46 µg/L in S-3 and 0.73 µg/L in S-4; and,
- Aroclor 1248 was detected at 0.49 µg/L in S-1 and at 0.19 µg/L in S-2.

Concentrations of the metals iron and sodium exceeded Class GA WQSG in one or more samples. The following shows Class GA WQSG exceedances:

- Iron concentrations exceeded in S-4 at 7,800 µg/L; and,
- Manganese concentrations exceeded in S-4 at 1,600 µg/L;
- Nickel concentrations exceeded in S-4 at 310 µg/L;
- Sodium concentrations exceeded in S-1 at 112,000 µg/L, S-2 at 53,100 µg/L, S-3 at 112,000 µg/L, and S-4 at 115,000 µg/L.

Concentrations of the RCRA-8 metals were below Class GA WQSG in all sump samples collected in 2017.

Sheen of light non-aqueous phase liquids (LNAPL) was observed during the October 2017 groundwater sampling event at sump S-3; however, the thickness of the LNAPL was too thin to be measured with an interface probe. Previously, LNAPL was last identified in sump S-1 in June 2016.

1.3.5 Surface Water Sampling

Surface water was not present in any of the surface water sampling locations during the first or fourth quarter 2017 sampling events.

1.3.6 Water Level Monitoring

Quarterly water level monitoring was completed on March 20, June 26, September 25, and November 29, 2017. Water table elevations for the monitoring wells, observation wells, and sumps were predominantly higher than the water elevation of the Niagara River for the reporting period with the exception of MW-3 and MW-6 during the June 2017 gauging event. This indicates that both the intermediate/deep and shallow groundwater is generally flowing towards the Niagara River.

1.3.7 Semi-Annual Cap Inspections

A cap inspection with NYSDEC personnel was conducted on April 14, 2016. There were no deficiencies noted during the inspection with the NYSDEC. The NYSDEC did not participate in the second semi-annual cap inspection. GES performed quarterly cap inspections in 2017.

1.4 System Effectiveness

During system operation, the average flow rate for 2017 was approximately 6.08 gallons per minute (gpm), which is higher when compared to the average flow rate for 2016 (5.13 gpm). The system up-time for 2017 was approximately 97%, which is higher when compared to the system up-time for 2016 (92%). Approximately 3,091,143 gallons of groundwater were treated and discharged to the Town of Tonawanda Wastewater Treatment Facility during 2017. Based on the annual sampling data from the remedial system sumps and the total gallons treated and discharged by the system in 2017, approximately 0.249 pounds of VOCs, 1.209 pounds of SVOCs, 0.001 pounds of pesticides, and 0.023 pounds of PCBs were removed in 2017. No surface overflows were observed from the trench during the reporting period.

2 Site Overview

2.1 Site Background

The Site is located in a mixed industrial/commercial area of the Town of Tonawanda, New York. A Site location map is provided as *Figure 1*. 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 2*. The two sites were, at one time, part of a larger property owned by Wickwire-Spencer Steel Company. Due to the common history, former common ownership, and similar remedial programs, NYSDEC and Potential Responsible Parties (PRP) group agreed 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 a groundwater collection trench (shallow zone);
- Collection and disposal of 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.

2.2 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 (RAP). 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 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 extraction 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 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 Parsons and was completed in December 2003. The study successfully quantified and characterized the chemical concentrations of the groundwater that are upwelling from the Site to the Niagara River. Based on the results, Parsons recommended discontinued operation of the intermediate/deep groundwater extraction system as it would not have an adverse impact on the quality of the groundwater upwelling to the Niagara River.



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

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

- The intermediate/deep groundwater monitoring wells and RW-4 and RW-5 to evaluate hydraulic gradient and groundwater quality of the intermediate/deep groundwater;
- 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, if present.

Sampling and analysis of groundwater from the upgradient and downgradient monitoring wells was performed quarterly for the first year of operation and reduced to semi-annually from 1998 through 2004. Starting in 2005 groundwater sampling was reduced to a rotating annual sampling schedule of once every three quarters. In 2017, the NYSDEC approved reduction in sampling of monitoring wells MW-1, MW-2, MW-3, and MW-7 to occur every two years (in even numbered years).

3 Program Methodology

3.1 Institutional and Engineering Controls

The following is a list of institutional and engineering controls set forth in the Record of Decision for the Site:

Cherry Farm	River Road
Fencing/Access Control	Fencing/Access Control
Cover System	Cover System
Groundwater Collection/Treatment System	Groundwater Collection/Treatment System
Monitoring Plan	Monitoring Plan
OM&M Plan	OM&M Plan
Leachate Collection	Leachate Collection
Building Use Restriction	
Land Use Restriction	

As provided in previous PRRs 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 controls, 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*.

3.2 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 five (5) locations, including three (3) monitoring wells (MW-4 through MW-6) and two (2) former recovery wells (RW-4 and RW-5). The shallow groundwater quality was monitored at the four (4) sumps (S-1 through S-4) located in the collection trench. The monitoring wells and sumps were sampled on March 22 and 23, 2017 and on October 4, 5, and 6, 2017. 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. For this reason, sampling events were conducted in the first quarter and fourth quarter of 2017. Sample results from 2017 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 2017 are provided in *Appendix B*.

The collection trench sump samples were analyzed for TCL VOCs, TCL SVOCs, TCL pesticides/PCBs, and 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 delivered to an approved laboratory in accordance with chain-of-custody procedures. Groundwater sample analyses were performed by TestAmerica Laboratories, Inc. (TestAmerica) of Amherst, New York.

3.3 Surface Water Quality Monitoring

There was no surface water in any of the surface water sampling points during the 2017 sampling event. Surface water has not been observed onsite since 2007.

3.4 Water Level Monitoring

Quarterly groundwater level monitoring was completed on March 20, June 26, September 25, and November 29, 2017. 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 depth to product (DTP) and depth to water (DTW) levels with an accuracy of approximately ± 0.01 feet. Groundwater elevation data for the reporting period are 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 water level data collected from the monitoring wells is used to construct groundwater contour maps for the Site. The hydrographs (*Figures 3.4a through 3.4d*) provide a comparison of water levels in the monitoring/recovery wells and the water level of the river and show that intermediate/deep groundwater elevation at the Site is higher than the river. The only exceptions were during the June 2, 2017 monitoring event when observed groundwater elevations at monitoring wells MW-3 and MW-6 were below the observed river elevation. The hydrographs (*Figures 3.4a through 3.4d*) provide a comparison of water levels in the monitoring/recovery wells and the water level of the river. During the March 3, 2017 event the measured water level for MW-4 during the March 3, 2017 was significantly higher than usual for MW-4 and in relation to the other monitoring wells. Historical water level data (*Appendix B-1*) indicates that MW-4 generally exhibits a similar pattern of elevation level as the other monitoring wells, with a few anomalously high readings over time. Due to the anomalous nature of the reading, the MW-4 water level data was not used for the generation of the ground water contour map for the March 3, 2017 event (*Figure 3.4a*). Further investigation of MW-4 and RW-5 (which also has had a couple of anomalously high readings) will take place in 2018 to attempt to determine the cause of the anomalous readings.
- Observation wells (OW-1 through OW-9) 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. The hydrographs (*Figures 3.5b and 3.5c*) provide a comparison of water levels in the observation wells and the water level of the river.

- Sumps S-1 through S-4 were installed to assess shallow groundwater quality and to collect LNAPL, if present. The hydrograph (*Figure 3.5a*) provides a comparison of the water levels in the sumps and the water level in the river.

3.5 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 cap inspection was completed with NYSDEC personnel on April 14, 2016. 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 annual NYSDEC inspection, there was no evidence of damage to the fencing, access gates, signage, or treatment building. 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. Wildlife usage of the created habitats is readily apparent. The cap is mowed annually, after August 15th, to prevent disturbing on-site nesting bird populations.

3.6 Groundwater Collection/Treatment System OM&M

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 and, prior to discharge to the Town (ML-2). Monthly analyses include PCBs, pH, and TPH. Semi-annual analyses include BOD, TSS, total cyanide, total phosphorus, and total arsenic. Additionally, a monthly sample is collected from between the two (2) carbon units and analyzed for PCBs to monitor the effectiveness of the carbon treatment. Treatment system analytical results for 2017 and a copy of the Industrial Sewer Connection Permit for 2017 through 2019 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.

The force main from S-4 to the treatment building showed increased levels of scale build-up during 2017. Water flushing and acid flushing were used with limited success during site O&M visits. During November 2017, GES entered the vault and disconnected fittings to determine if the blockage could be cleared from the vault. The line was partially blocked but open to flow



from the vault to the first elbow fitting where the line turns to enter the utility trench. Due to the winter conditions it was determined that GES would continue acid flushing the line through the winter and evaluate excavating the pipe and jetting the line in the spring of 2018.

Significant non-routine maintenance operations performed between January 1 and December 31, 2017 are provided in *Table 2.3*.

3.7 Waste

During 2017 no waste was removed from the site

4 Monitoring Summary

4.1 Groundwater Quality

Annual sampling conducted on March 22 and 23, 2017 and October 4, 5, and 6, 2017, 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 five (5) groundwater monitoring wells (MW 4 through MW-6, RW-4, and RW-5) and four (4) sumps (S 1 through S-4).

The 2017 intermediate/deep groundwater and the shallow groundwater analytical data are 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 March 2017 and October 2017 groundwater sampling events is included in *Appendix A*. Groundwater sample results were compared to the Class GA WQSG and Groundwater Effluent Limitations found in NYSDEC TOGS 1.1.1. The complete laboratory reports for the current reporting period are also provided in *Appendix A*. Historically detected compounds for all samples collected to date are summarized in *Appendix B*, and are arranged by sampling location to facilitate comparison of concentrations at each sampling point over time. Concentration and trend graphs for monitoring well samples are provided for VOCs (*Figure 3.1a* and *3.2a*), SVOCs (*Figure 3.1b* and *3.2b*), and PCBs (*Figure 3.1c* and *3.2c*), respectively. Concentration and trend graphs for the sump samples are provided for VOCs (*Figure 3.1d* and *3.2d*), SVOCs (*Figure 3.1e* and *3.2e*), PCBs (*Figure 3.1f* and *3.2f*), Pesticides (*Figure 3.1g* and *3.2g*), and 8-RCRA Metals (*Figure 3.1h* and *3.2h*), respectively. Copies of the groundwater sampling logs are provided in *Appendix C*.

4.1.1 Intermediate/Deep Groundwater Quality

Intermediate/Deep Groundwater Sampling – March 2017

In the intermediate/deep groundwater unit, groundwater concentrations from wells MW-4, MW-6, RW-4 and RW-5, did not exceed Class GA WQSG for any VOCs. VOCs have been detected in MW-6 and MW-4 since 2014 but have not exceeded applicable standards since May 2013. VOCs exceeding applicable standards have been detected in RW-4 and RW-5 as recently as November 2014.

Benzene was the only VOC detected at a concentration exceeding Class GA WQSG at 15 µg/L in well MW-5. However, the benzene detection above the Class GA WQSG is consistent with historical results at MW-5.

SVOC and PCB concentrations did not exceed Class GA WQSG in any sample during March 2017 sampling.

Intermediate/Deep Groundwater Sampling – October 2017

In the intermediate/deep groundwater unit, groundwater concentrations from wells MW-4, MW-6, RW-4 and RW-5, did not exceed Class GA WQSG for any VOCs. VOCs have been detected in MW-6 and MW-4 since 2014 but have not exceeded applicable standards since May 2013. VOCs exceeding applicable standards have been detected in RW-4 and RW-5 as recently as November 2014.

Benzene was the only VOC detected in concentrations exceeding Class GA WQSG at 19 µg/L in well MW-5. However, the benzene detection above the Class GA WQSG is consistent with historical values at MW-5.

SVOC and PCB concentrations did not exceed Class GA WQSG in any sample for October 2017 sampling.

Intermediate/Deep Groundwater Trends – 2017

Total VOC concentration trends at the intermediate wells sampled in 2017 (MW-4 through MW-7) are either stable or decreasing based on all historic data. Although the slope of the total VOC concentration trends at the deep wells (RW-4 and RW-5) appears to be positive based on all historic data, a Mann-Kendall statistical analysis of the historic total VOC data from RW-4 indicates that there is “no trend” (RW-4: S = 20, Confidence Factor 80.1%); and that total VOC data from RW-5 indicates the concentration is “probably decreasing” (RW-5 S = -36, Confidence Factor 94.2%). Concentrations at RW-4 have been below Class GA WQSG since the November 2014 sampling event.

SVOCs and PCBs were not detected at or above the Class GA WQSG in any sampled intermediate or deep well during 2017. Total SVOC concentration trends are generally stable or decreasing. Total PCB concentration trends are generally stable.

4.1.2 Shallow Groundwater Quality

Shallow Groundwater Sampling – March 2017

VOCs were not detected in concentrations exceeding Class GA WQSG in samples S-1, S-2, S-3, and S-4.

Specific SVOC analytes were detected in concentrations exceeding Class GA WQSG in S-3 only. The following shows Class GA WQSG exceedances in shallow groundwater samples:

- 2,4-dimethylphenol was detected at 14 µg/L in S-3;
- 2-methylphenol was detected at 11 µg/L in S-3; and,
- 4-methylphenol was detected at 22 µg/L in S-3.

Pesticides were not detected above Class GA WQSG with the exception of heptachlor detected at 0.049 J µg/L in S-4.

PCBs were detected above Class GA WQSG in S-2, S-3, and S-4 only:

- Aroclor 1232 was detected at 4.4 µg/L in S-4;
- Aroclor 1242 was detected at 0.61 µg/L in S-3; and,
- Aroclor 1248 was detected at 0.24 J µg/L in S-2.

Concentrations of the metals iron and sodium exceeded Class GA WQSG in one or more samples. The following shows Class GA WQSG metals exceedances:

- Iron was detected at 370 µg/L in S-4; and,
- Sodium was detected at 42,700 µg/L in S-2, 99,800 µg/L in S-3, and 101,000 µg/L in S-4.

RCRA-8 metals were below Class GA WQSG in all sump samples collected in first quarter 2017.

Shallow Groundwater Sampling – October 2017

VOCs were not detected in concentrations exceeding Class GA WQSG in samples S-1 and S-3. The following shows Class GA WQSG exceedances in shallow groundwater samples:

- Benzene was detected at 2.2 µg/L in S-4;
- Vinyl chloride was detected at 2.8 µg/L in S-2;
- Total xylenes were detected at 7.4 µg/L in S-4.

Specific SVOC analytes were not detected in concentrations exceeding Class GA WQSG in S-4. The following shows Class GA WQSG exceedances in shallow groundwater samples:

- 2,4-dimethylphenol was detected at 60 µg/L in S-1, 3.4 µg/L in S-2, and 58 µg/L in S-3;
- 2-methylphenol was detected at 18 µg/L in S-1, 1.4 µg/L in S-2, and 36 µg/L in S-3;
- 4-methylphenol was detected at 43 µg/L in S-1, 3.1 µg/L in S-2, and 74 µg/L in S-3.

Pesticides were not detected above Class GA WQSG shallow groundwater samples from October 2017.

PCBs were detected above Class GA WQSG in the following groundwater samples:

- Aroclor 1242 was detected at 0.46 µg/L in S-3 and 0.73 µg/L in S-4;
- Aroclor 1248 was detected at 0.49 µg/L in S-1 and 0.19 µg/L in S-2.

Concentrations of the following metals exceeded Class GA WQSG in one or more samples:

- Iron was detected at 7,800 µg/L in S-4;
- Manganese was detected at 1,600 µg/L in S-4;
- Nickel was detected at 310 µg/L in S-4;

- Sodium was detected at 112,000 µg/L in S-1, 53,100 µg/L in S-2, 112,000 µg/L in S 3, and 115,000 µg/L in S-4.

RCRA-8 metals were below Class GA WQSG in all sump samples collected in fourth quarter 2017.

Shallow Groundwater Trends – 2017

VOCs were not detected in concentrations exceeding Class GA WQSG in samples S-1 and S-3. Benzene and total xylenes were detected in concentrations exceeding Class GA WQSG in S-4, at concentrations of 2.2 µg/L and 7.4 µg/L, respectively. Vinyl chloride was detected in concentrations exceeding Class GA WQSG in S-2, at a concentration of 2.8 µg/L. Total VOC concentration trends are generally stable or decreasing with the exception of S-4 which has an overall slightly increasing trend based on historic data.

SVOC detection concentrations and total SVOC concentrations are within the normal, historical variation of SVOC detections/concentrations for these monitoring points. Total SVOC concentration trends are generally stable or decreasing based on historic data.

Pesticides were not detected in concentrations exceeding Class GA WQSG in any sample collected in 2017, with the exception of heptachlor detected at S-4 at a concentration 0.049 µg/L. Total pesticide concentration trends are stable or decreasing or stable for all sumps.

PCB detection concentrations and total PCB concentrations are within the normal, historical variation of PCB detections/concentrations for monitoring points S-1, S-2, S-3, and S-4. Total pesticide concentration trends are generally stable or decreasing for all sumps with the exception of S-4 which has a very slight increasing trend.

Detected metal concentrations are consistent with historical trends. However, concentrations of sodium in the S-3 and S-4 samples were generally higher than historically observed concentrations.

RCRA-8 metals were below Class GA WQSG in all sump samples collected in 2017. Total RCRA-8 metals concentration trends are stable or decreasing for all sumps.

4.1.3 Surface Water Quality

Surface water was not present at sampling location SW-1, SW-2, or SW-3 during the March 2017 or October 2017 sampling events. A summary of historically detected compounds in surface water is provided in *Appendix B*.

4.1.4 Intermediate/Deep Groundwater Flow

Intermediate/deep zone groundwater contour maps were developed based on the March 20 (Figure 3.3a), June 26 (Figure 3.3b), September 25 (Figure 3.3c), and November 29 (Figure 3.3d), 2017 water level data. Variations in flow direction are observed across the Site between the quarterly monitoring events. However, as has been consistently observed, the flow direction is primarily to the west, towards the Niagara River which is consistently at a lower

elevation than the intermediate/deep groundwater elevations. The only exception in 2017 was during the June 26, 2017 monitoring event when observed groundwater elevations at monitoring wells MW-3 and MW-6 were below the observed river elevation. During the March 3, 2017 event the measured water level for MW-4 was significantly higher than usual for MW-4 and in relation to the other monitoring wells. Historical water level data (*Appendix B-1*) indicates that MW-4 generally exhibits a similar pattern of elevation level as the other monitoring wells, with a few anomalously high readings over time. Due to the anomalous nature of the reading, the MW-4 water level data was not used for the generation of the ground water contour map for the March 3, 2017 event (*Figure 3.4a*). Further investigation of MW-4 and RW-5 (which also has had a couple of anomalously high readings) will take place in 2018 to attempt to determine the cause of the anomalous readings. The 2017 groundwater elevation data is provided in *Table 2.2* and hydrographs, with groundwater elevation data from 2013 to 2017, are provided in *Figures 3.4a-d*. Historical water level data and hydrographs for the monitoring wells are provided in *Appendix B*.

4.2 Effectiveness of the Shallow Collection Trench

4.2.1 System Description

The shallow collection trench consists of a series of four (4) 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 reportedly 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 (4) sumps, located within the trench, pump groundwater into a conveyance pipeline. This pipeline conveys the groundwater to the on-site treatment plant for processing and discharge.

The groundwater treatment facility is located on the River Road portion of the Site (*Figure 2*). The groundwater treatment system includes oil/water separation, flow equalization, pH adjustment, and granular activated carbon filtration.

Nine (9) observation wells were installed to monitor groundwater elevations and hydraulic gradients in the vicinity of the trenches. Six (6) 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.

4.2.2 System Effectiveness

During system operation, the average flow rate for 2017 was approximately 6.08 gpm, which is higher when compared to the average flow rate for 2016 (5.13 gpm). The system up-time for 2017 was approximately 97%. Aside from normal down-time for routine maintenance checks, other issues that caused additional down-time were the replacement of the caustic transfer line, line flushing events, and the replacement of a pH controller unit. Approximately 3,091,143

gallons of groundwater were treated and discharged to the Town of Tonawanda Wastewater Treatment Facility during 2017. Based on the annual sampling data from the remedial system sumps and the total gallons treated and discharged by the system in 2017, approximately 0.249 pounds of VOCs, 1.209 pounds of SVOCs, 0.001 pounds of pesticides, and 0.023 pounds of PCBs were removed in 2016. Mass removal data is provided in *Table 3.3*. No surface overflows were observed from the trench during the reporting period.

The 2017 groundwater elevation data are provided in *Table 2.2*. Hydrographs for the sumps (*Figure 3.5a*) and shallow observation wells (*Figures 3.5b and 3.5c*) provide groundwater elevation trends as well as comparison with the level of the Niagara River for the last five years. Historical water level data and hydrographs for the sumps and observation wells, from 1997 to the present, are provided in *Appendix B*. Water table elevations for the nine (9) observation wells in 2017 were higher than the Niagara River. Historic water table elevations for the nine (9) observation wells have generally been higher than the surface water elevation of the Niagara River. Given the proximity of the wells and the Niagara River, this indicates that shallow groundwater is flowing towards the Niagara River, which is then intercepted by the shallow groundwater trench. Water table elevations for the four (4) sumps in 2017 were higher than the Niagara River during all gauging events. In reviewing the hydrographs for the sumps, historic water table elevations have generally remained slightly above the water elevation of the Niagara River.

5 Summary, Conclusion and Recommendations

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

5.1 March 2017 Intermediate/Deep Aquifer

- VOCs were not detected above Class GA WQSG in wells, MW-4, MW-6, RW-4 and RW-5. VOCs have been absent or below Class GA WQSG from most of these monitoring points since 2007. Benzene was the only VOC detected in concentrations exceeding Class GA WQSG at 15 µg/L in MW-5. Benzene in MW-5 was consistent with historical trends.
- SVOCs and PCBs were not detected at or above the Class GA WQSG in any sampled well during first quarter 2017.

5.2 October 2017 Intermediate/Deep Aquifer

- VOCs were not detected above Class GA WQSG in wells MW-4, MW-6, RW-4 and RW-5. Exceedances of VOCs have been absent from MW-4 and MW-6 since 1997 and from RW-4 and RW-5 since 2015. Benzene was the only VOC detected in concentrations exceeding Class GA WQSG at 17 µg/L in MW-5. Benzene in MW-5 was consistent with historical trends.

- SVOCs and PCBs were not detected at or above the Class GA WQSG in any sampled well during fourth quarter 2017.

5.3 March 2017 Shallow Groundwater

- VOCs were not detected in concentrations exceeding Class GA WQSG in samples S-1, S-2, S-3, and S-4.
- Specific SVOCs were detected in concentrations exceeding Class GA WQSG in S-3 only: 2,4-dimethylphenol was detected at 14 µg/L; 2-methylphenol was detected at 11 µg/L; and 4-methylphenol was detected at 22 µg/L in S-3. SVOC detection concentrations and total SVOC concentrations at S-3 are within the normal, historical variation of SVOC detections/concentrations for this monitoring point.
- Pesticides were not detected at or above the Class GA WQSG in samples during the first quarter 2017, with the exception of heptachlor at 0.049 µg/L in S-4.
- PCBs were not detected in concentrations exceeding Class GA WQSG in sample S-1, but were detected in concentrations exceeding Class GA quality standards/guidance values in samples S-2, S-3, and S-4. Aroclor 1232 was detected at 4.4 µg/L in S-4. Aroclor 1242 was detected at 0.61 µg/L in S-3. Aroclor 1248 was detected at 0.24 µg/L in S-2. PCB detection concentrations are within the normal variation of the historical range for these monitoring points.
- Concentrations of the metals iron and sodium exceeded Class GA WQSG in one or more samples. Iron concentrations exceeded in S-4 at 370 µg/L. Sodium concentrations exceeded standards in S-2 at 42,700 µg/L, S-3 at 99,800 µg/L, and S-4 at 101,000 µg/L. Metal concentrations are consistent with historical trends. RCRA-8 metals were below Class GA WQSG in all sump samples collected in the first quarter 2017.

5.4 October 2017 Shallow Groundwater

- VOCs were not detected in concentrations exceeding Class GA WQSG in samples S-1 and S-3. Benzene and total xylenes were detected in concentrations exceeding Class GA WQSG at 2.2 µg/L and 7.4 µg/L, respectively, in S-4. Vinyl chloride was detected in concentrations exceeding Class GA WQSG at 2.8 µg/L in S-2.
- Specific SVOCs were detected in concentrations exceeding Class GA WQSG in S-1, S-2, and S-3. 2,4-dimethylphenol was detected at 60 µg/L in S-1, 3.4 µg/L in S-2, and 58 µg/L in S-3. 2-methylphenol was detected at 18 µg/L in S-1, 1.4 µg/L in S-2, and 36 µg/L in S-3. 4-methylphenol was detected at 43 µg/L in S-1, 3.1 µg/L in S-2, and 74 µg/L in S-3. SVOC detection concentrations and total SVOC concentrations are within the normal, historical variation of SVOC detections/concentrations for these monitoring points.
- Pesticides were not detected at or above the Class GA WQSG in any sampled sump during the fourth quarter 2017.



- PCBs were detected in concentrations exceeding Class GA WQSG in several samples. Aroclor 1242 was detected at 0.46 µg/L in S-3 and 0.73 µg/L in S-4. Aroclor 1248 was detected at 0.49 µg/L in S-1 and 0.19 µg/L in S-2. PCB detection concentrations are within the normal variation of the historical range for these monitoring points.
- Concentrations of the metals exceeded Class GA WQSG in one or more samples. Iron concentrations exceeded in S-4 at 7,800 µg/L. Manganese concentrations exceeded in S-4 at 1,600 µg/L. Nickel concentrations exceeded in S-4 at 310 µg/L. Sodium concentrations exceeded in S-1 at 112,000 µg/L, S-2 at 53,100 µg/L, S-3 at 112,000 µg/L, and S-4 at 115,000 µg/L. Metal concentrations are consistent with historical trends although sodium concentrations were observed to be high during the fourth quarter 2017 sampling event. RCRA-8 metals were below Class GA WQSG in all sump samples collected in 2017.
- A sheen of LNAPL was observed during the October 2017 groundwater sampling event at sump S-3; however, the thickness of the LNAPL was too thin to be measured with an interface probe (<0.01 feet). Previously, LNAPL has not been identified in any of the monitored wells or sumps since June 2016.

5.5 Other Conclusions/Recommendations

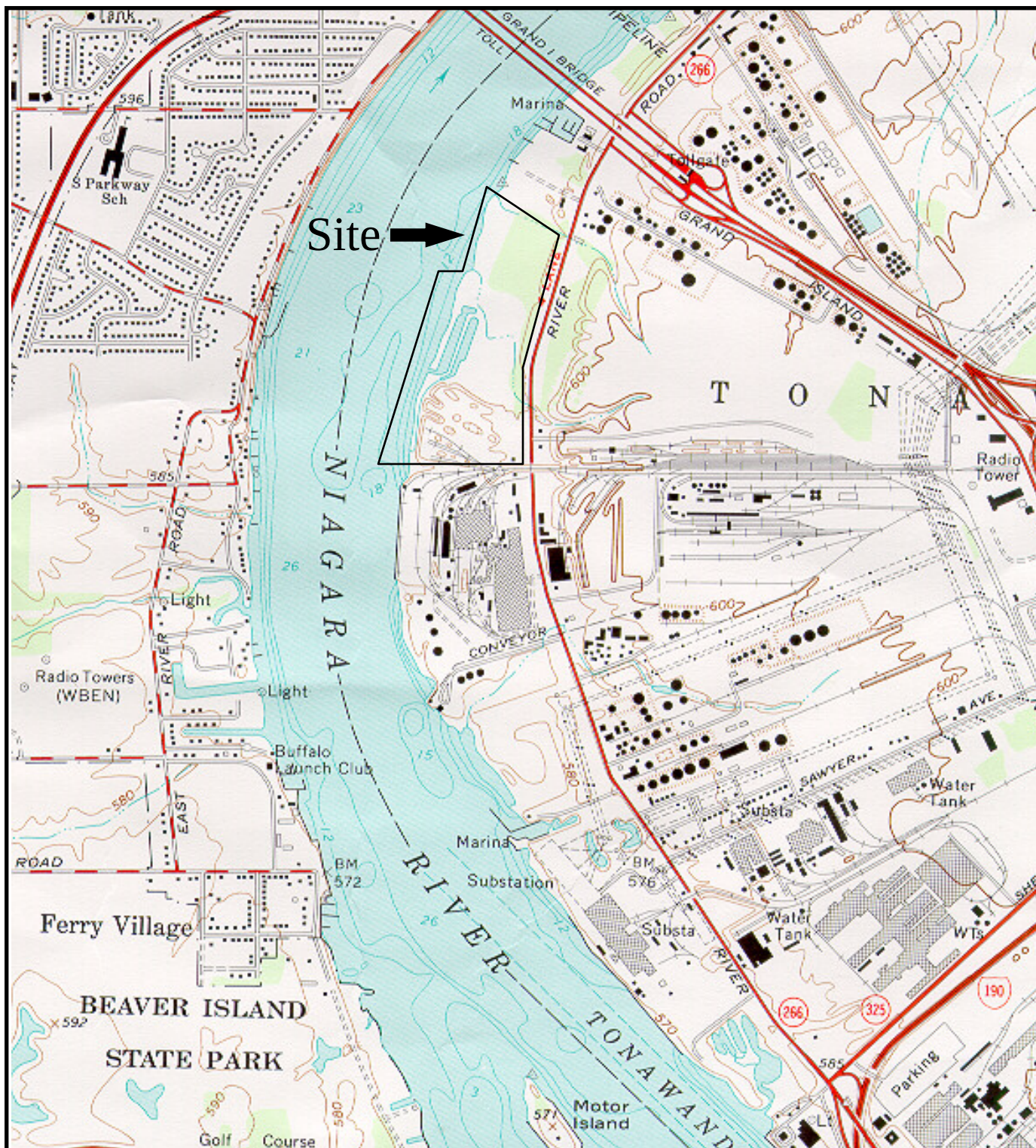
- There was no surface water present in any of the surface water sampling points at the time of the March or October 2017 sampling events.
- Based on the water elevation of the river and the water table elevation in the intermediate/deep and shallow monitoring well network, groundwater flow continues to be generally to the west, towards the Niagara River.
- There were no deficiencies noted during GES' routine monthly cap inspections or during the cap inspection with NYSDEC personnel on April 14, 2017.
- Routine cap inspections shall continue on a monthly basis to confirm that this engineering control remains effective.
- During system operation, the average flow rate for 2017 was approximately 6.08 gpm, which is higher when compared to the average flow rate for 2016 (5.13 gpm). The system up-time for 2017 was approximately 97%. Approximately 3,091,143 gallons of groundwater were treated and discharged to the Town of Tonawanda Wastewater Treatment Facility during 2017. Based on the annual sampling data from the remedial system sumps and the total gallons treated and discharged by the system in 2017, approximately 0.249 pounds of VOCs, 1.209 pounds of SVOCs, 0.001 pounds of pesticides and 0.023 pounds of PCBs were removed in 2017. No surface overflows were observed from the trench during the reporting period.
- Monthly analytical discharge data for the reporting period indicates that the treatment system had been operating/discharging in accordance with the Town of Tonawanda sewer discharge permit. The signed permit is included in Appendix D.



- Despite routine attempts to remove scale from within the conveyance piping by site standard operational measures (outlined in Table 2.3), the sump 4 line remains blocked. GES will continue to use the acid treatment described in this report throughout the winter, or until the blockage is cleared. Plans are in place to excavate the conveyance line and use a high-pressure water jet to clear the sump 4 line (if necessary) once the weather is conducive to do so. The system continues to function properly with sump 1, 2, and 3 operating normally.
- Routine system operation and maintenance shall continue to ensure that the system discharge remains in compliance with the sewer discharge permit.
- PRRs will be submitted on an annual basis.



Figures



NEW YORK



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

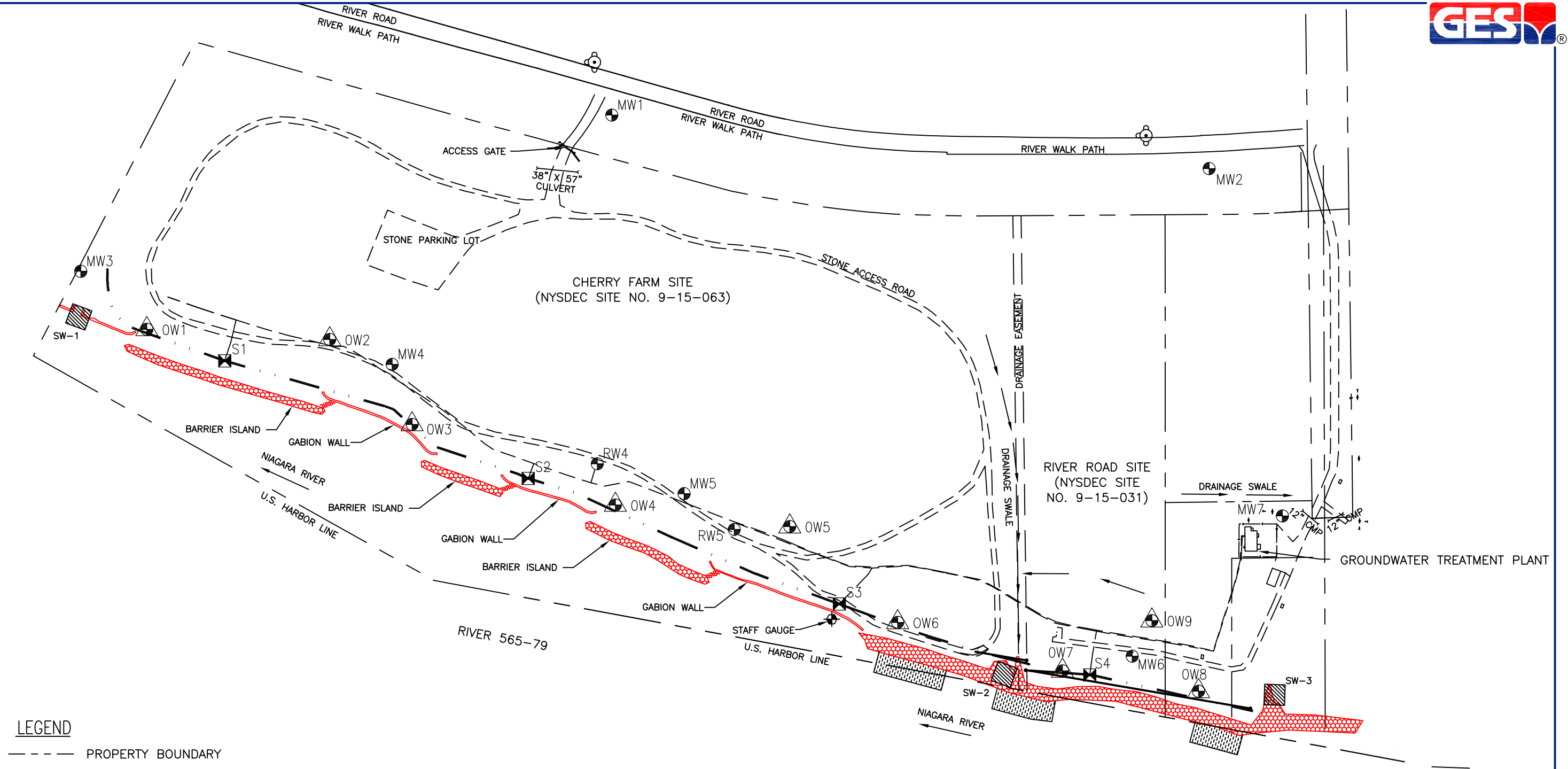
SOURCE: U.S.G.S. 7.5 SERIES BUFFALO NW, New York-Ont
 (TOPOGRAPHIC), 1965

Figure 1

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

SITE LOCATION MAP

GROUNDWATER & ENVIRONMENTAL SERVICES, INC.
 495 AERO DRIVE, CHEEKTOWAGA, NEW YORK 14225



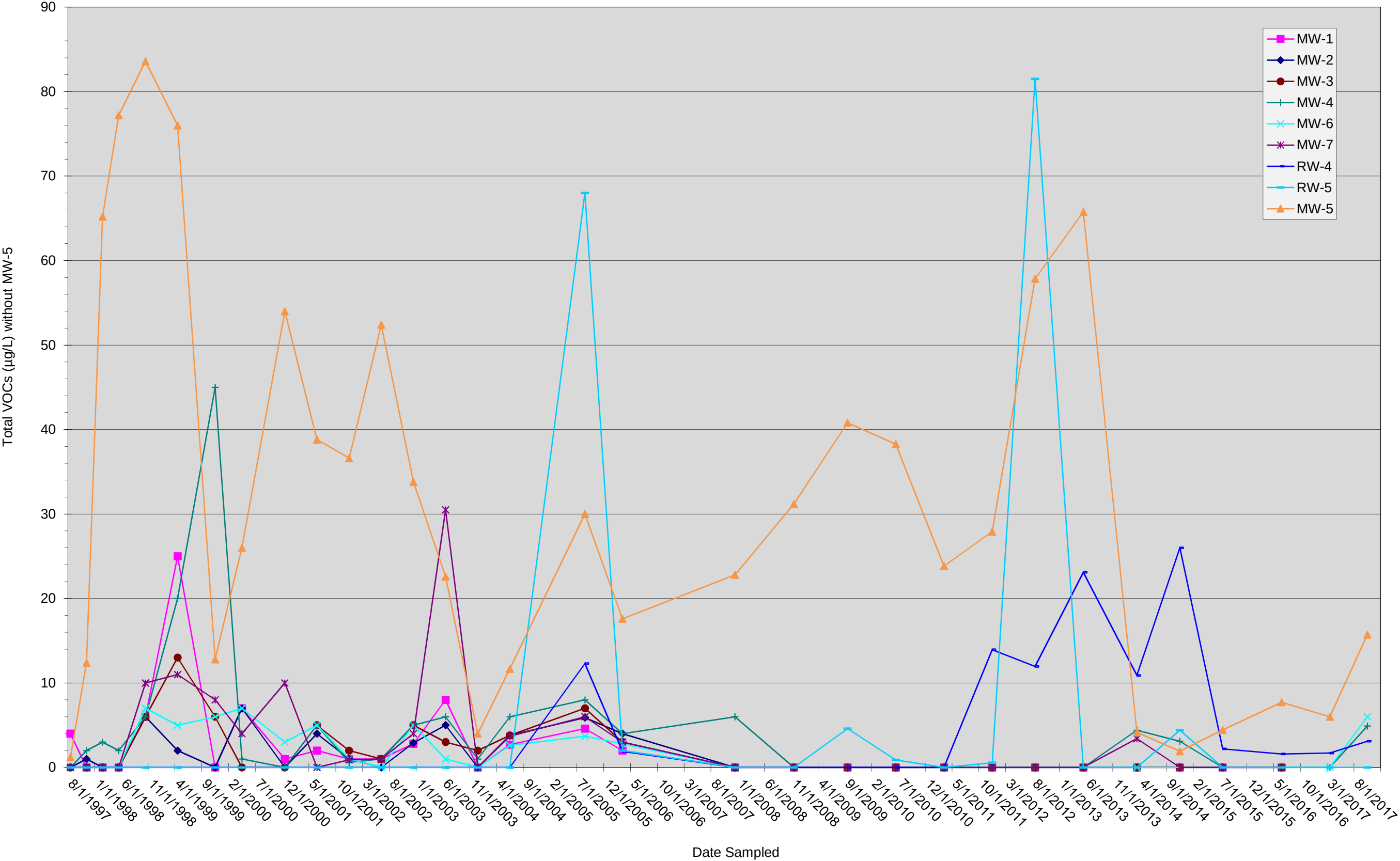
- LEGEND**
- PROPERTY BOUNDARY
 - x - FENCE
 - ▣ TRENCH SUMP
 - ⊕ MONITORING WELL
 - ⊙ OBSERVATION WELL
 - . - SHALLOW GROUNDWATER TRENCH
 - - - GROUNDWATER CONVEYANCE PIPING

DRAFTED BY: W.G.S. (N.J.)	SITE MAP		
CHECKED BY: J.K.C.	CHERRY FARM (RIVER ROAD SITE) 4100 RIVER ROAD TONAWANDA, NEW YORK		
REVIEWED BY: G.B.	Groundwater & Environmental Services, Inc. 495 AERO DRIVE, SUITE 3, CHEEKTOWAGA, NEW YORK 14225		
NORTH 	SCALE IN FEET 0 APPROXIMATE 250	DATE 6-1-15	FIGURE 2



Figure 3.1a

Monitoring Well Concentrations - Total VOCs



Total VOCs (µg/L) MW-5 Only



Figure 3.1b

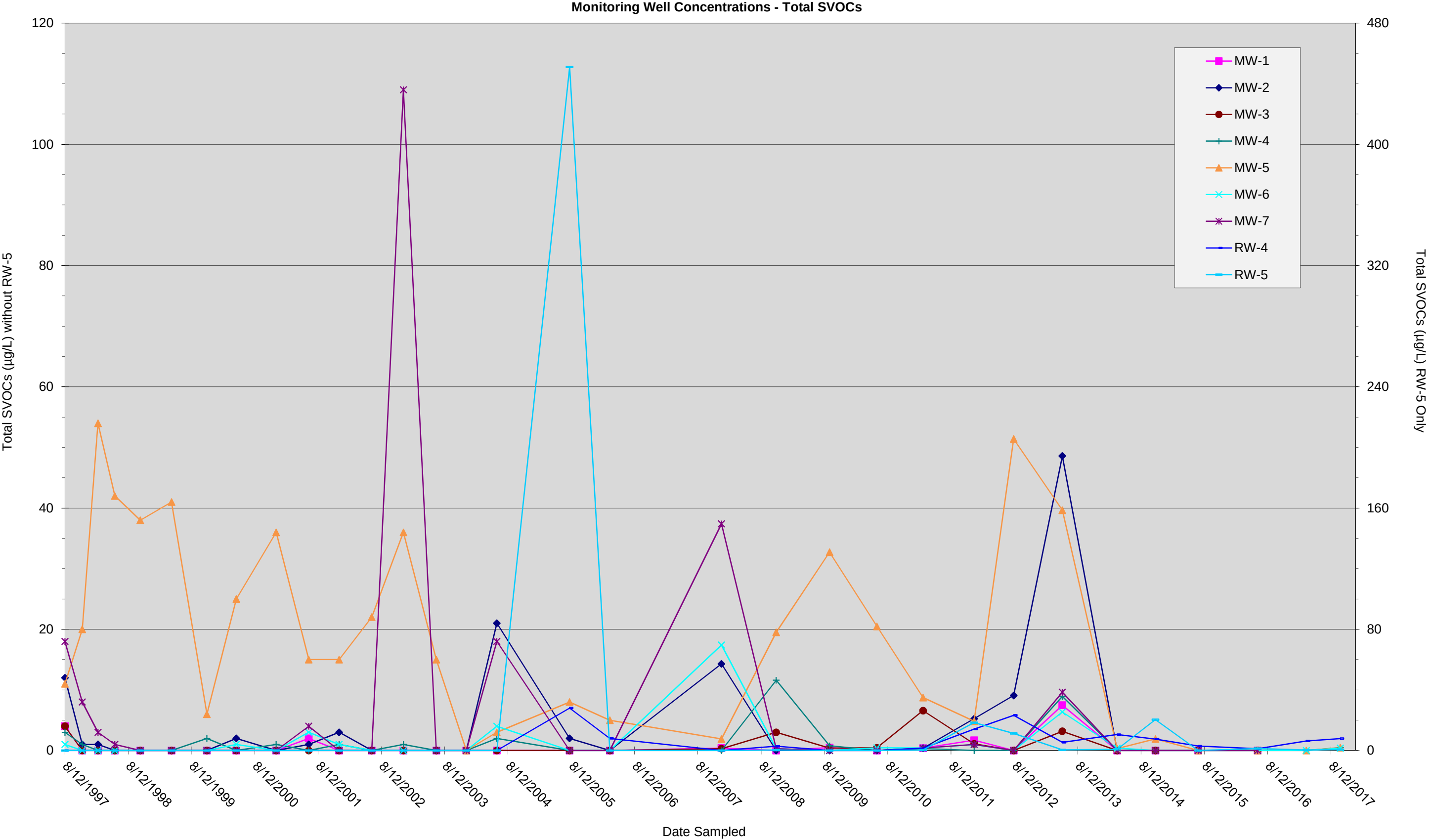




Figure 3.1c

Monitoring Well Concentration Trend - Total PCBs

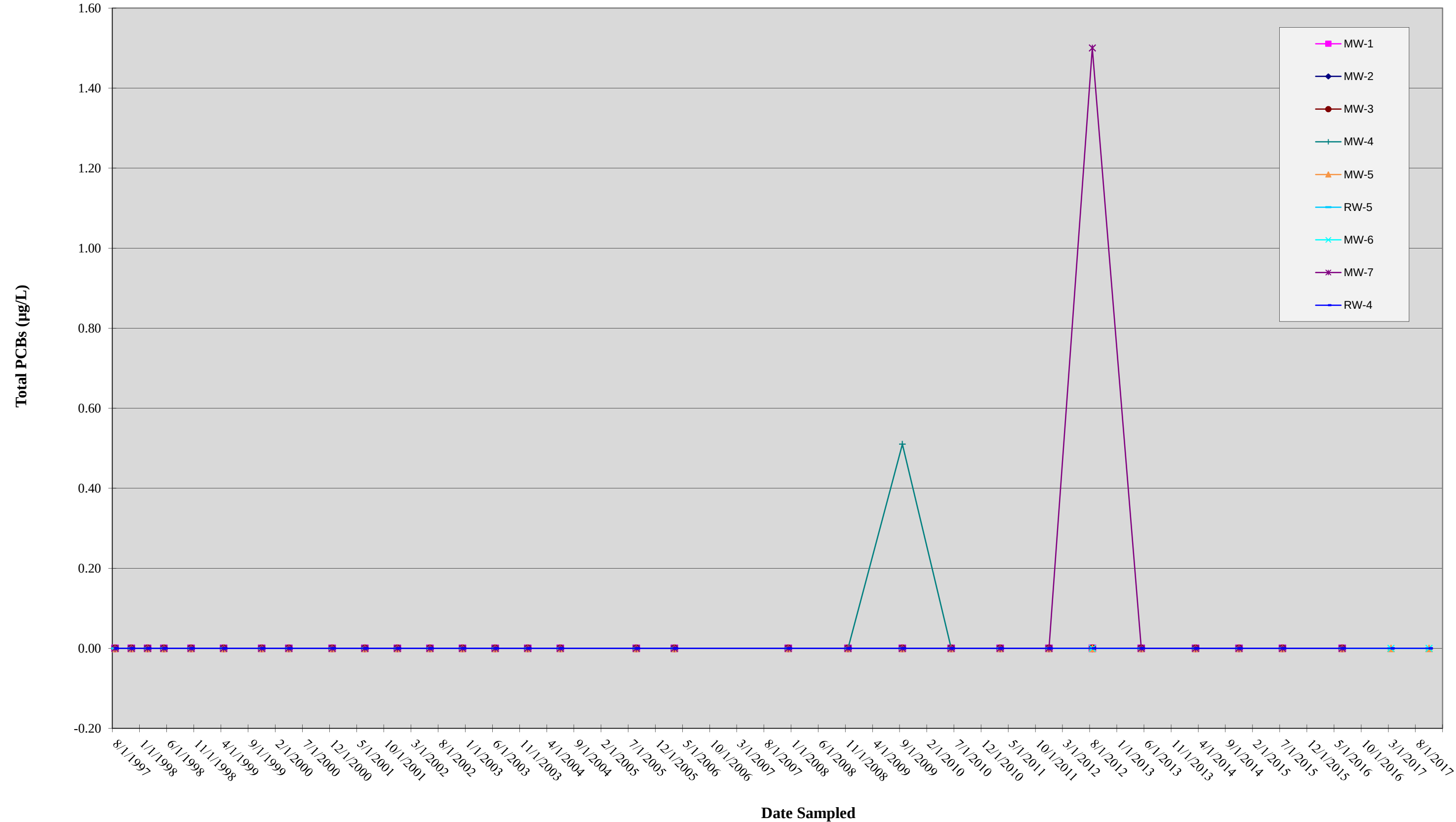




Figure 3.1d

Sump Concentration - Total VOCs

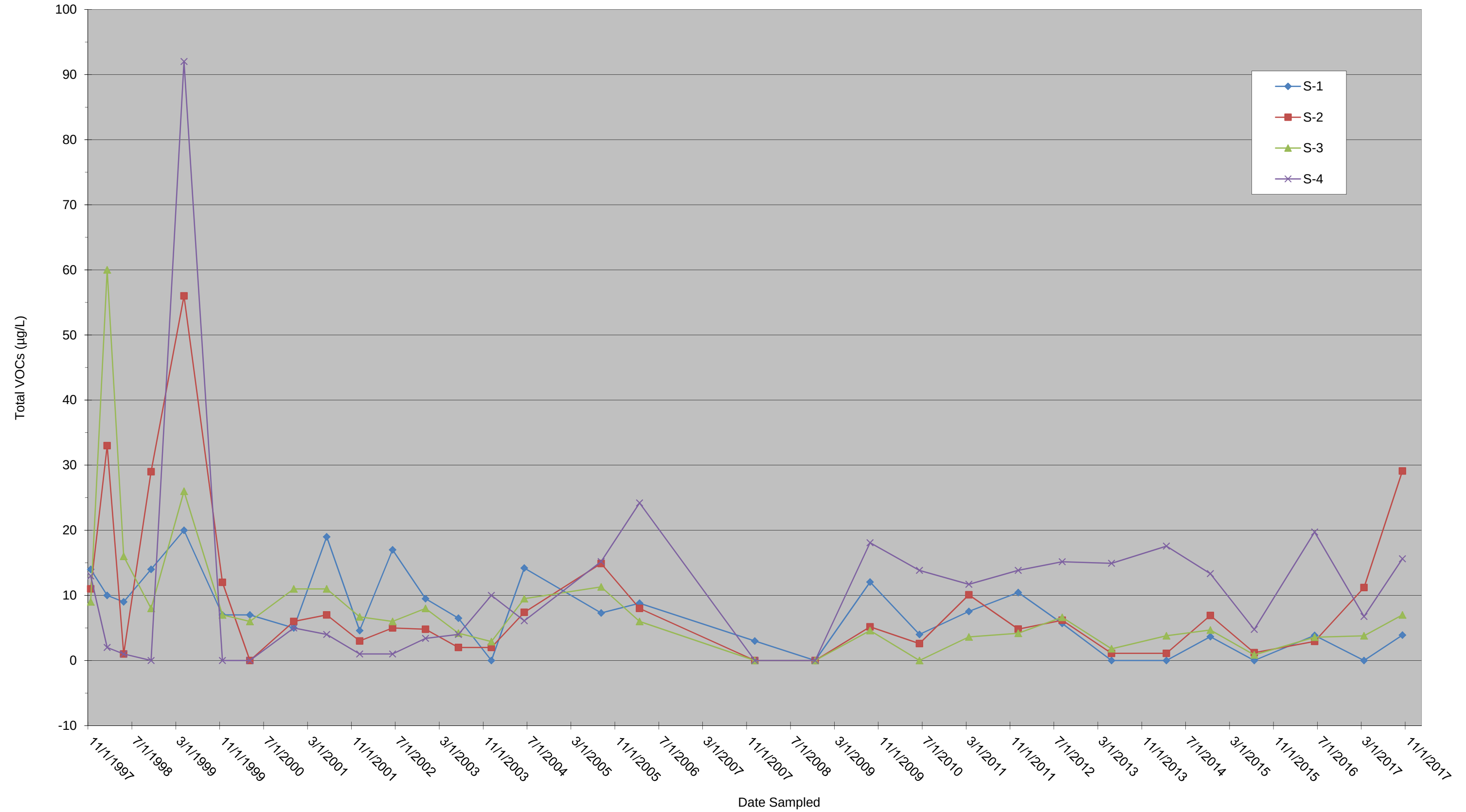




Figure 3.1e

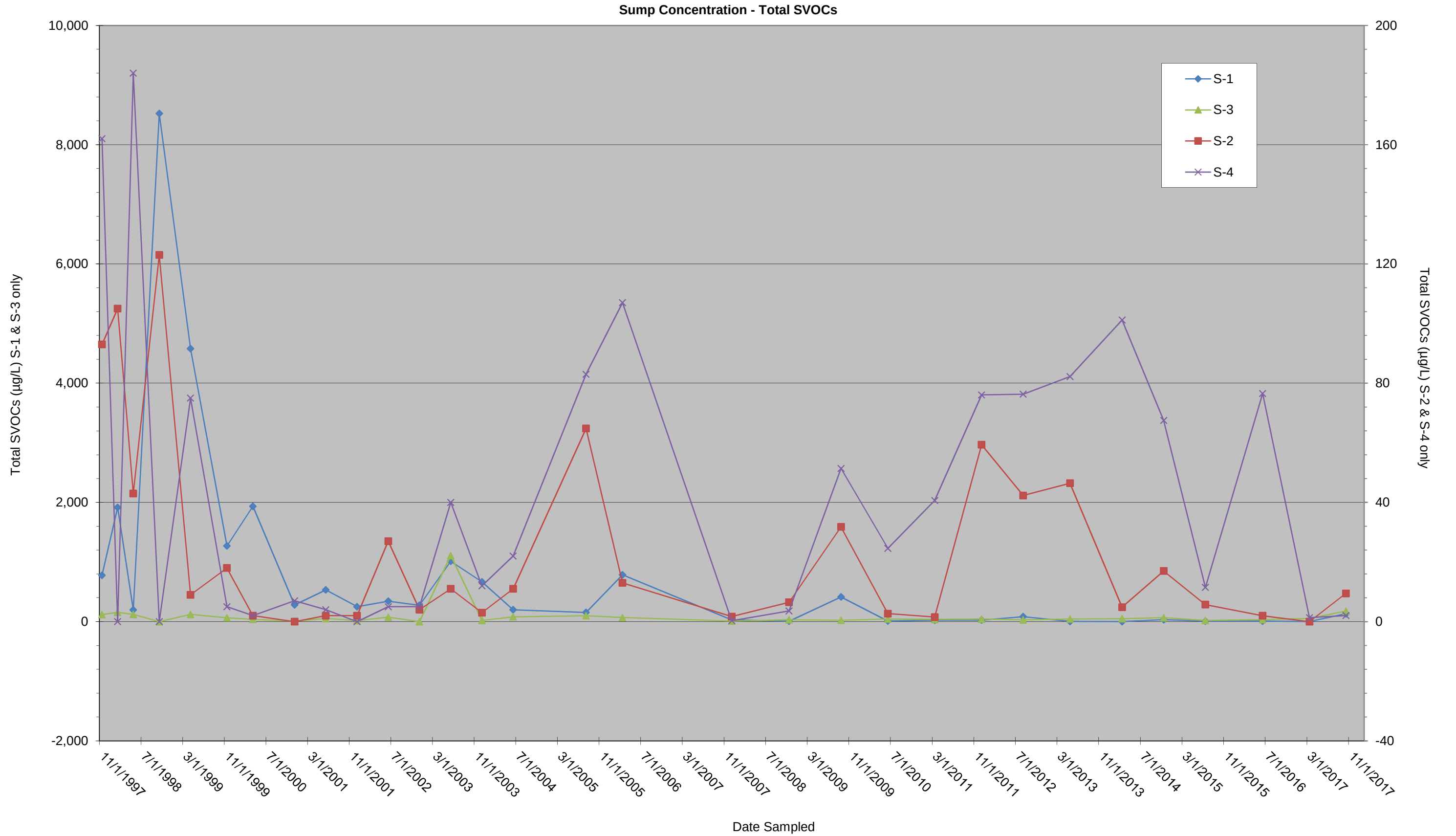




Figure 3.1f

Sump Concentration - Total PCBs

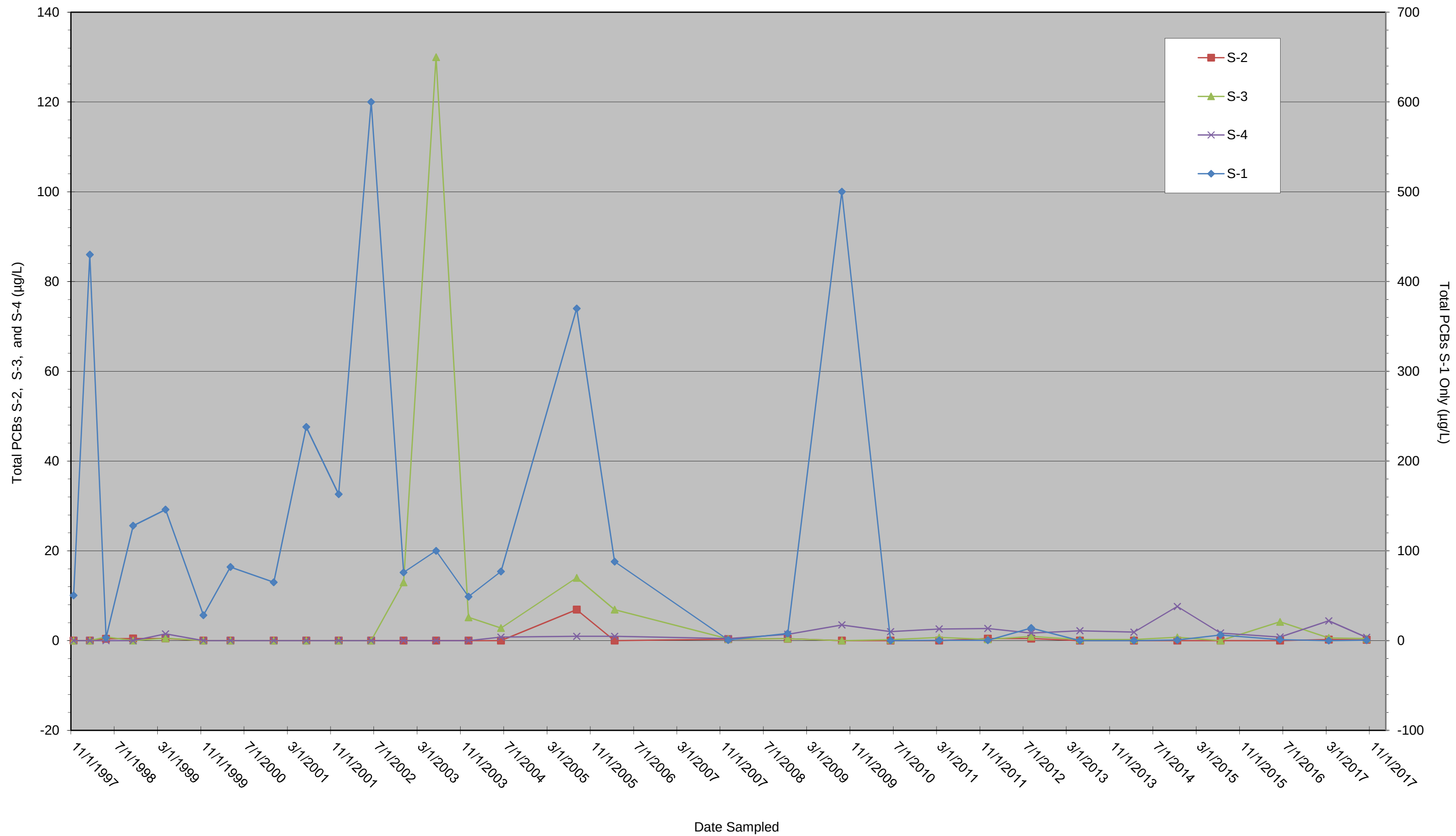




Figure 3.1g

Sump Concentration - Total Pesticides

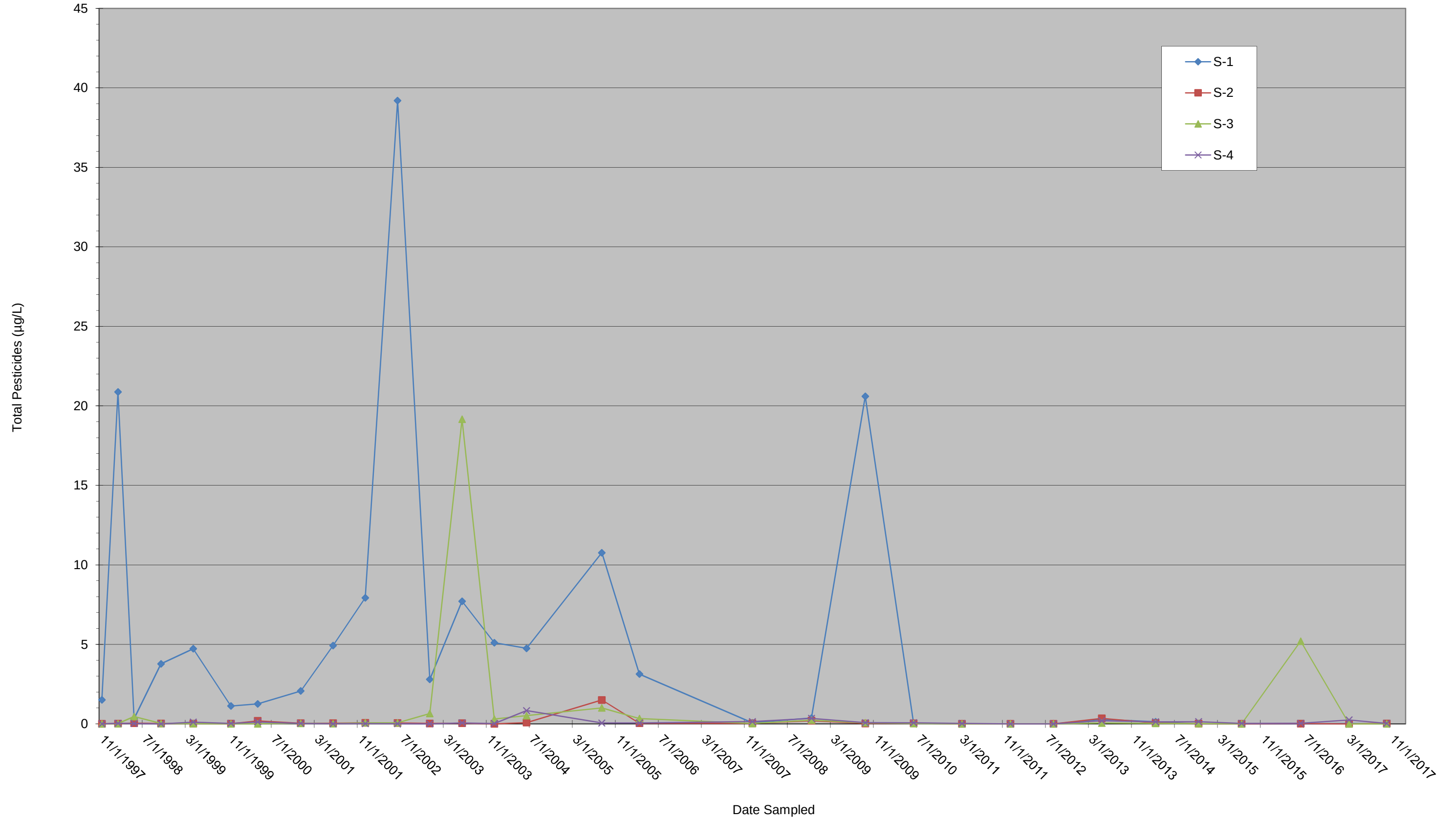




Figure 3.1h

Sump Concentration - Total 8-RCRA Metals

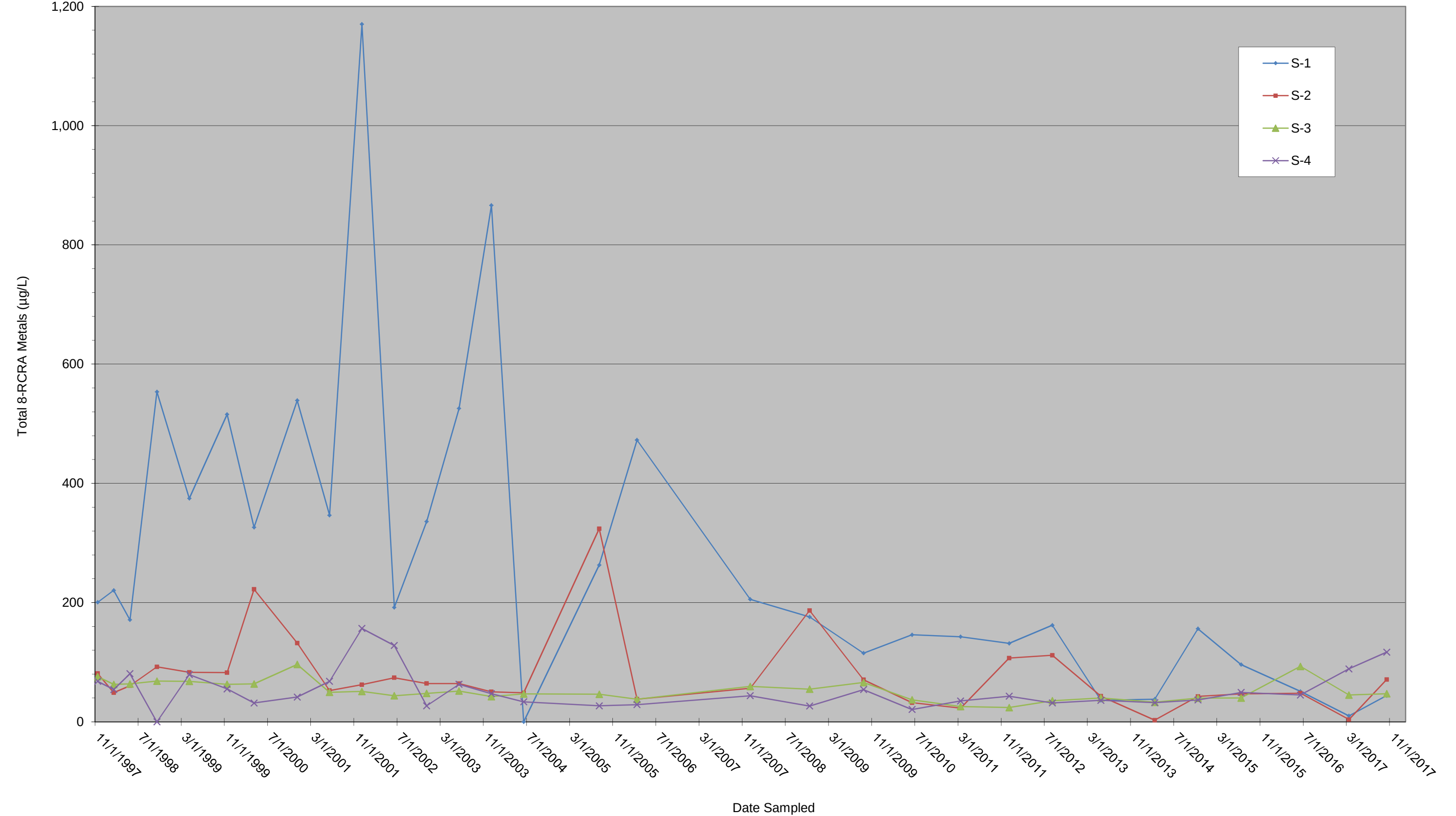




Figure 3.2a

Monitoring Well Trends - Total VOCs

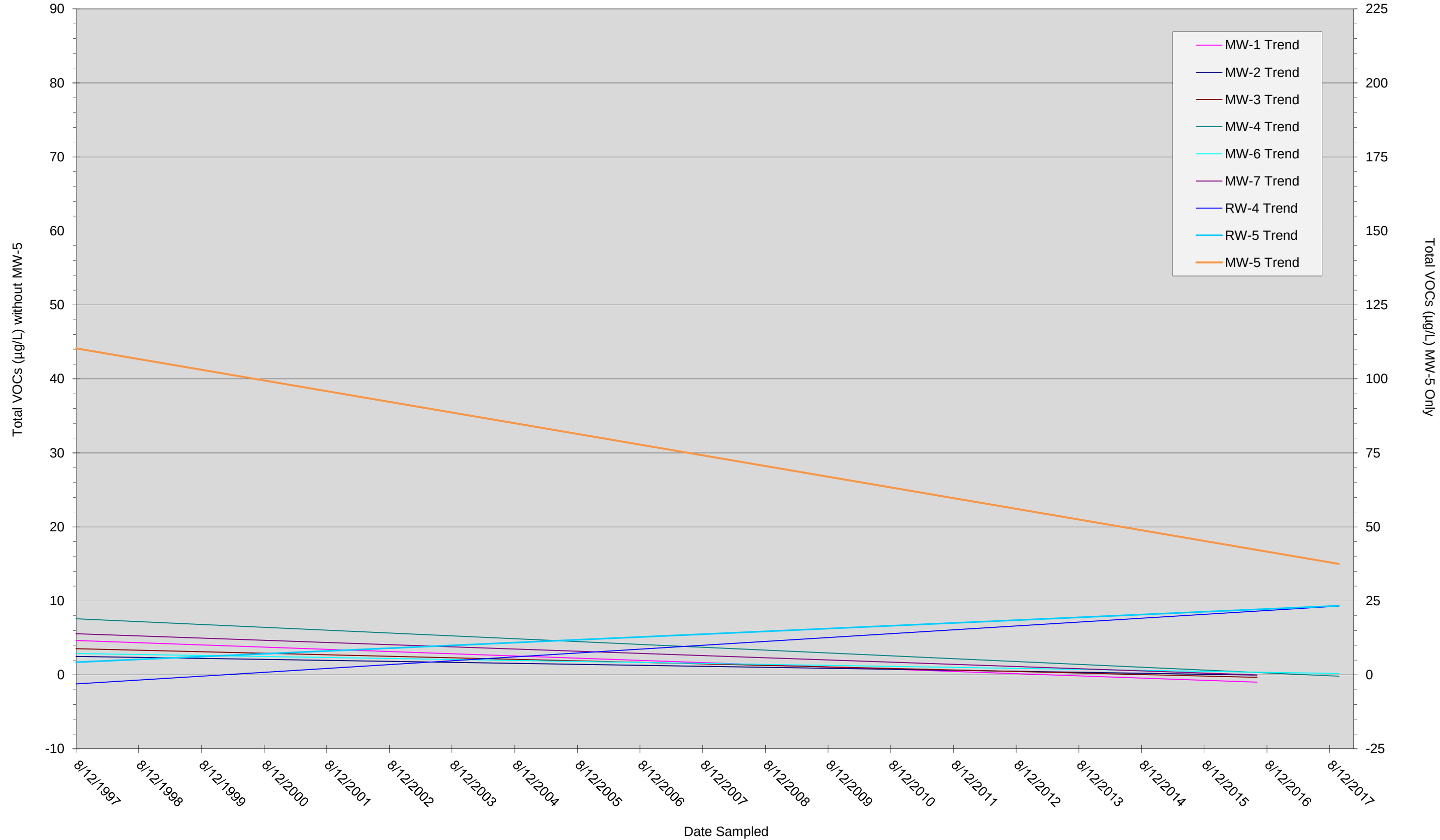




Figure 3.2b

Monitoring Well Trends - Total SVOCs

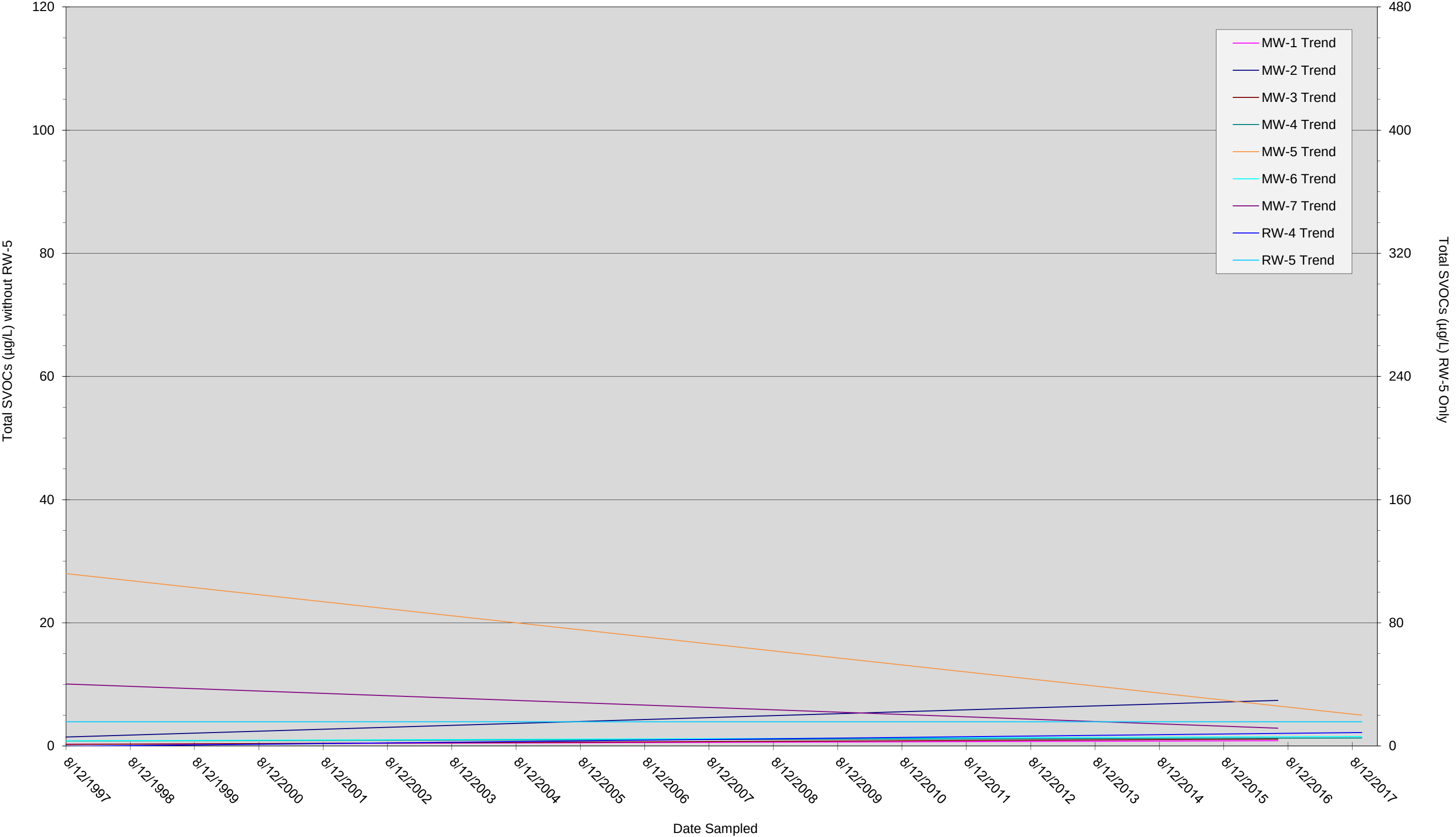




Figure 3.2c

Monitoring Well Trend - Total PCBs

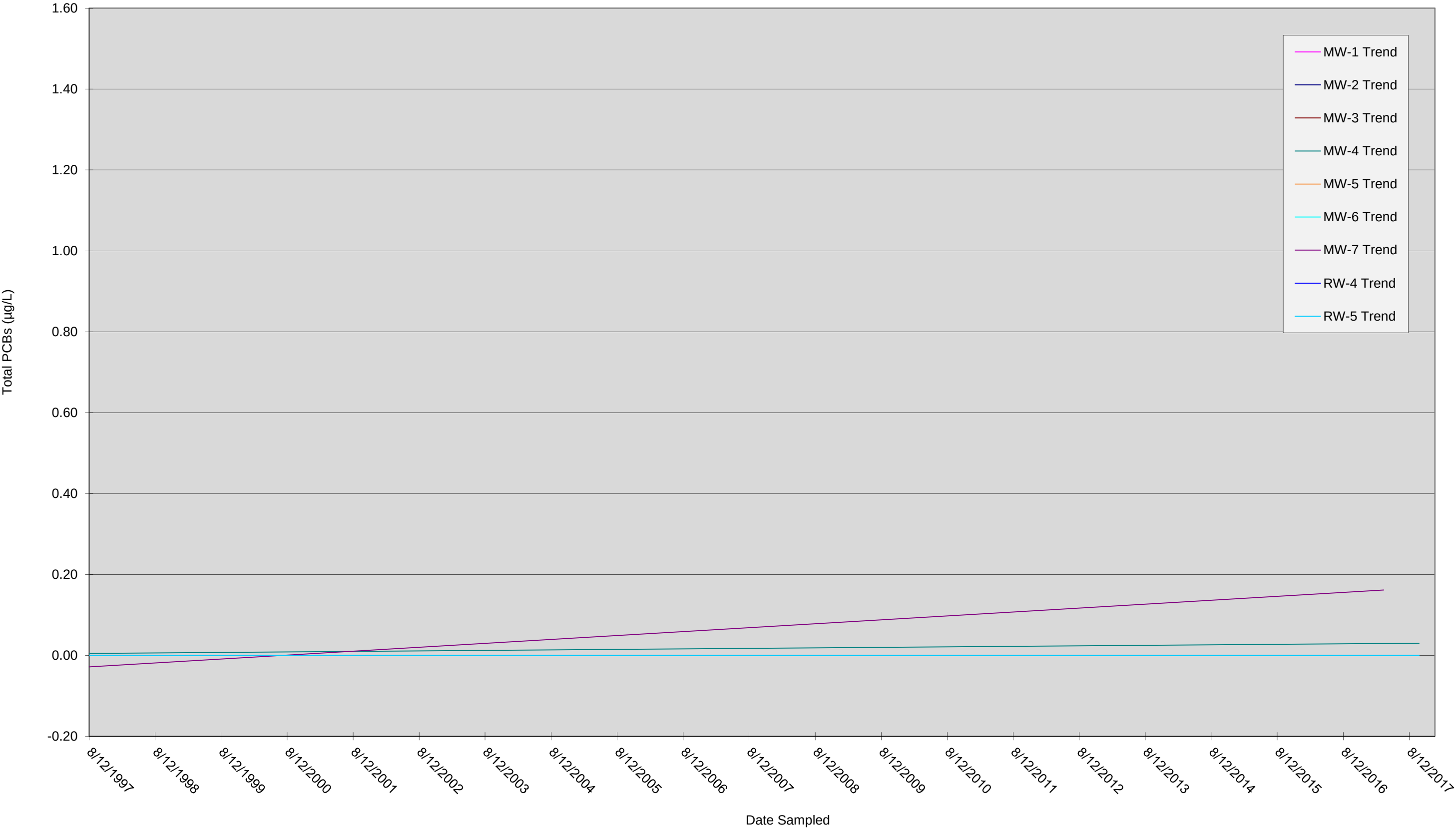




Figure 3.2d
Sump Trends - Total VOCs

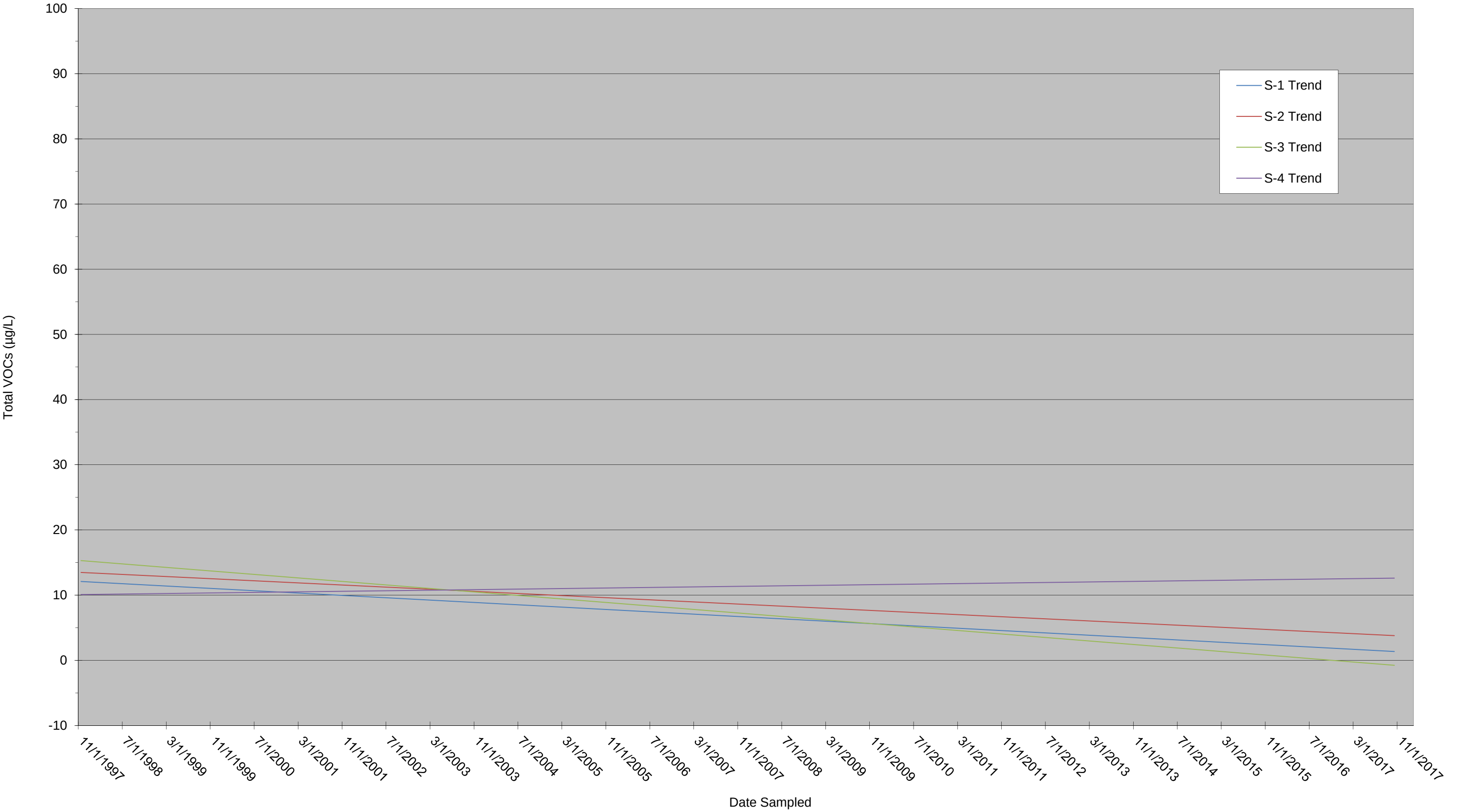




Figure 3.2e

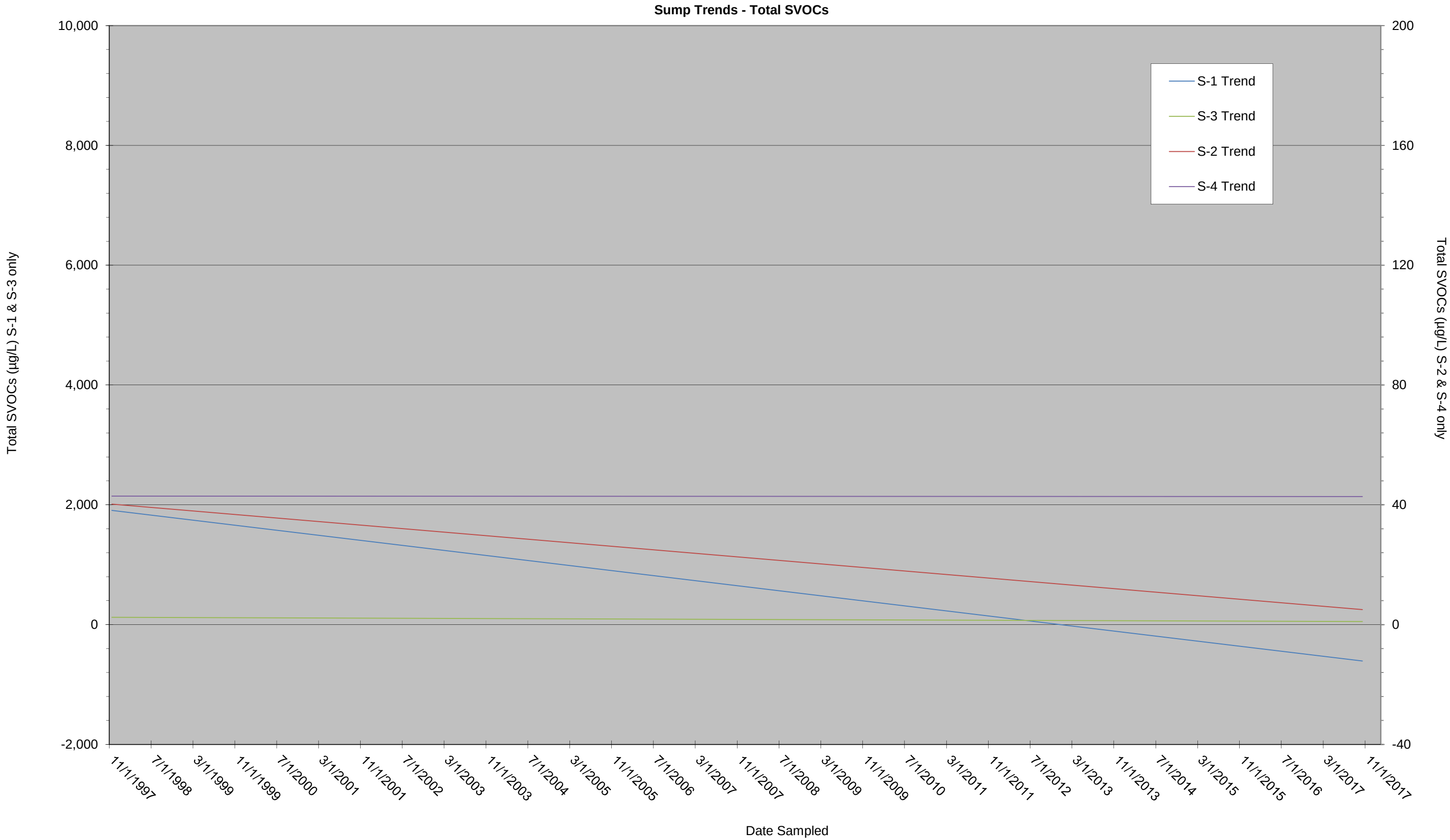




Figure 3.2f
Sump Trends - Total PCBs

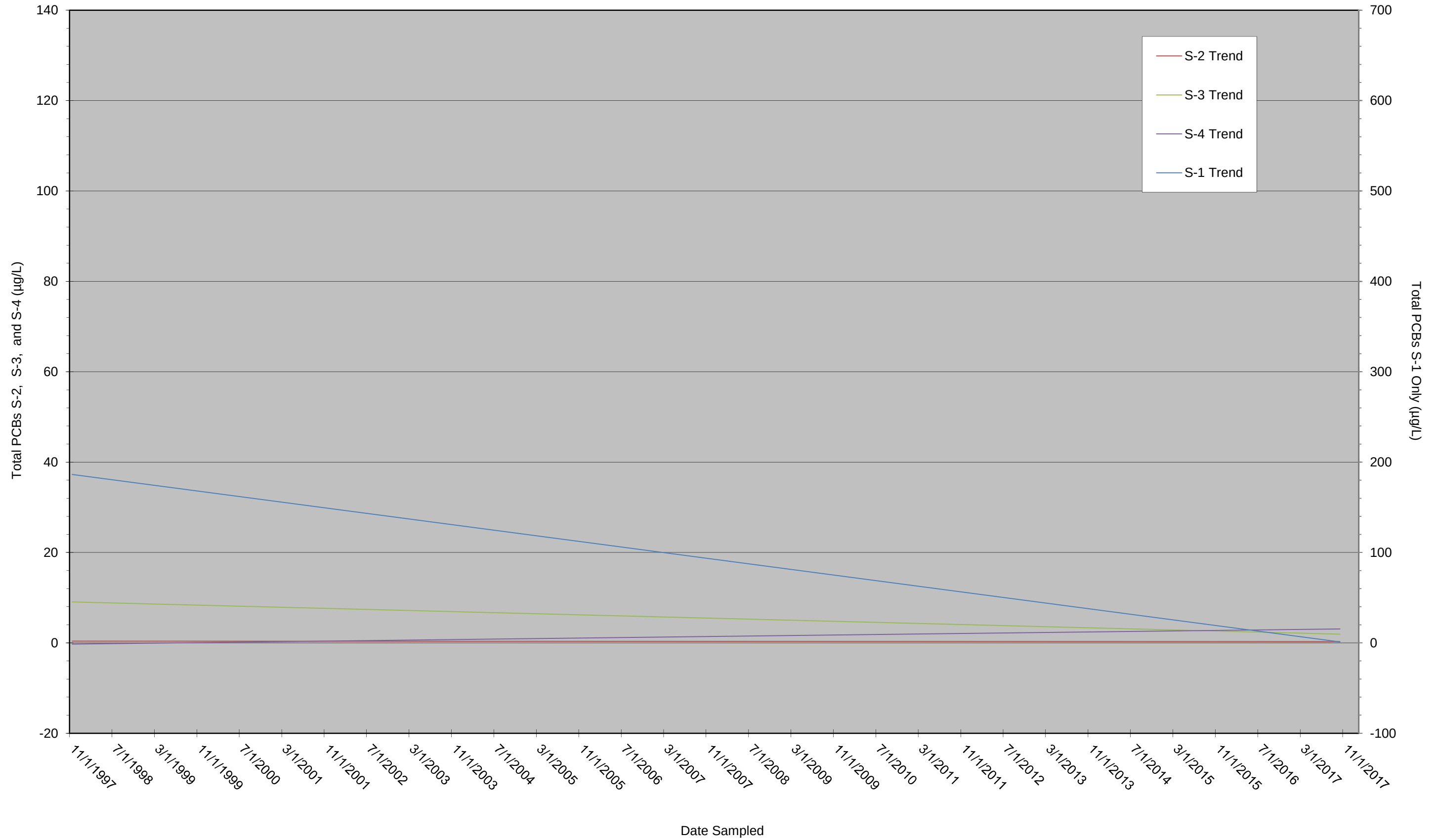




Figure 3.2g

Sump Trends - Total Pesticides

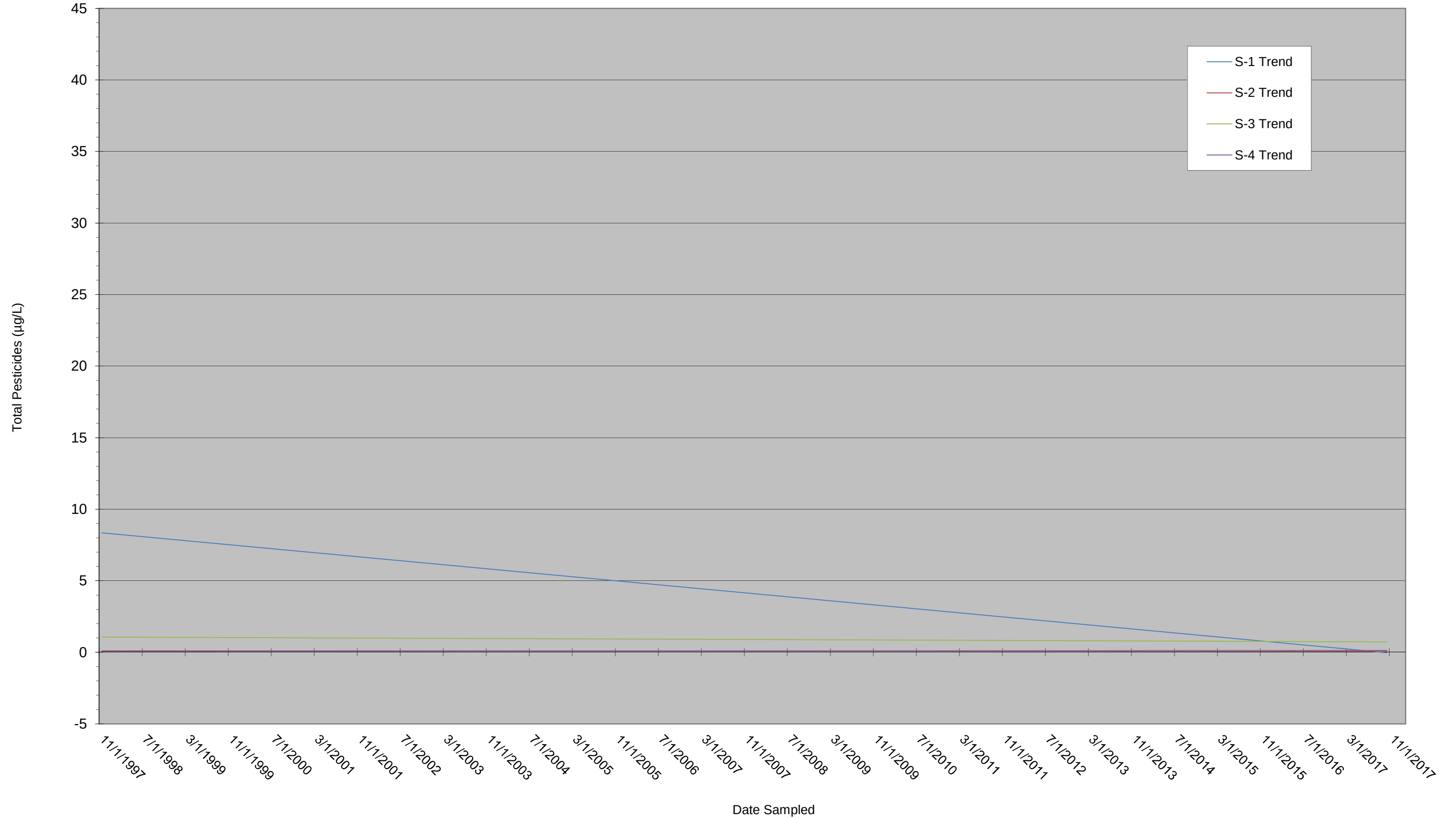
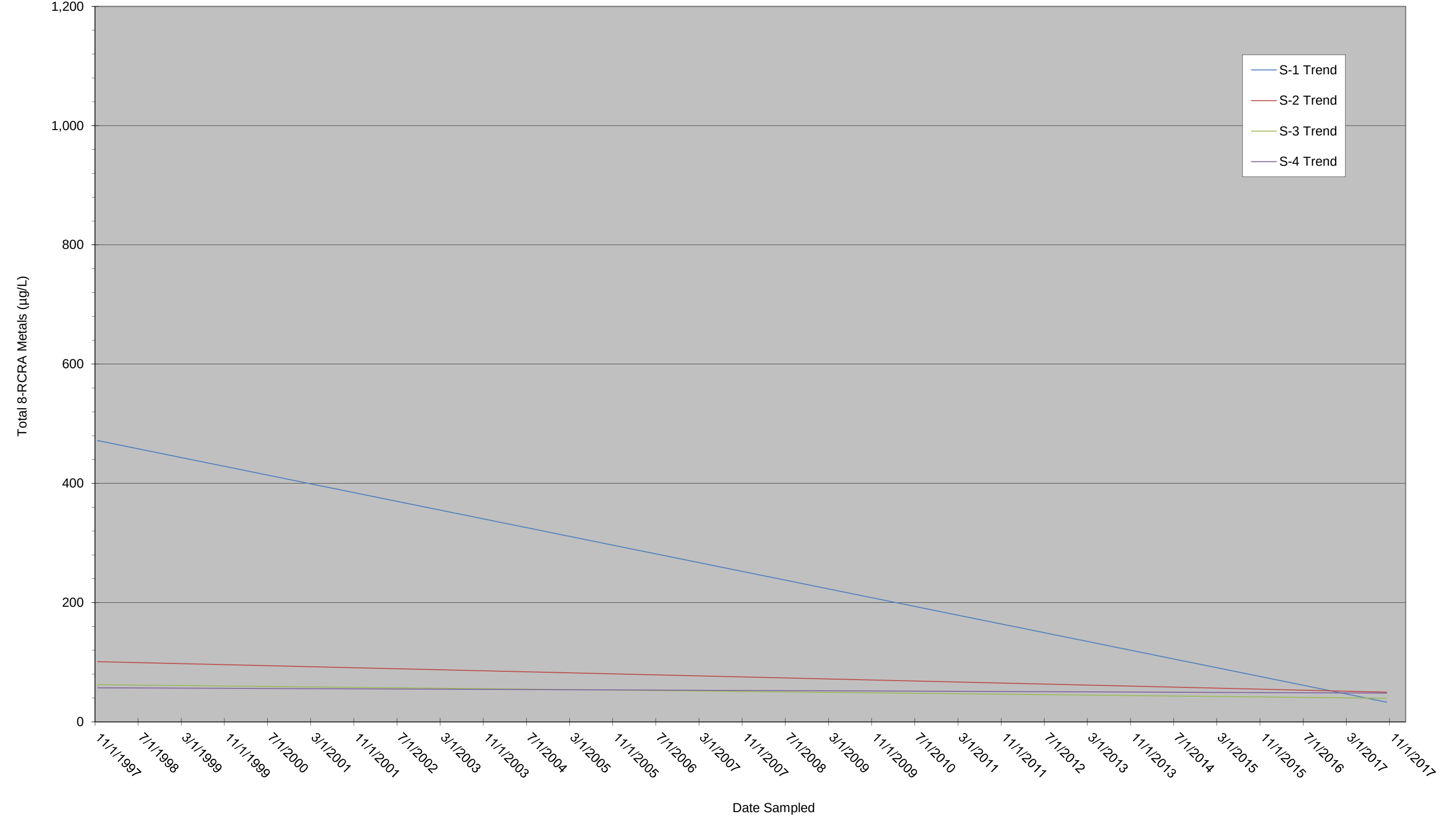
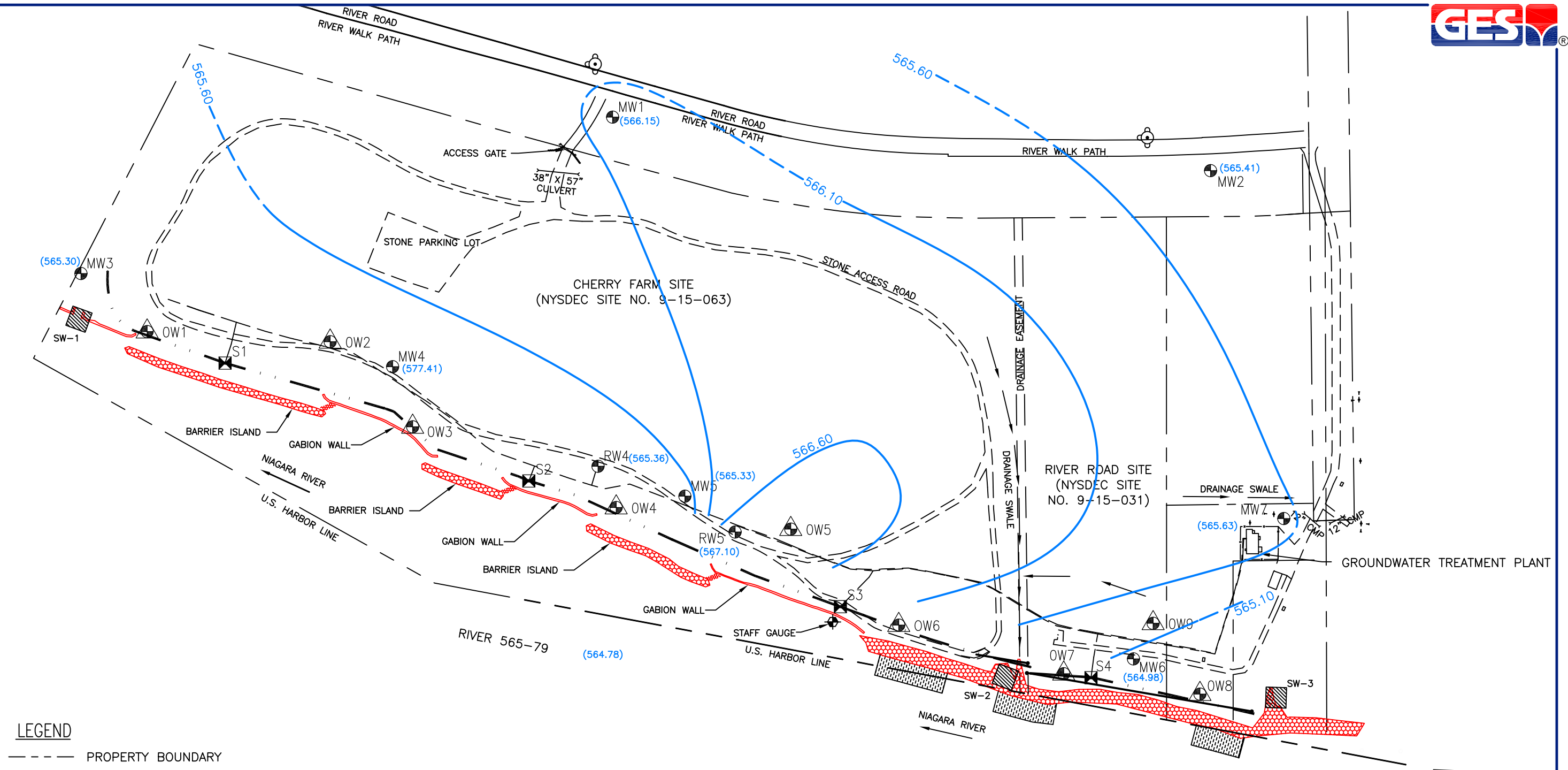




Figure 3.2h

Sump Trends - Total 8-RCRA Metals





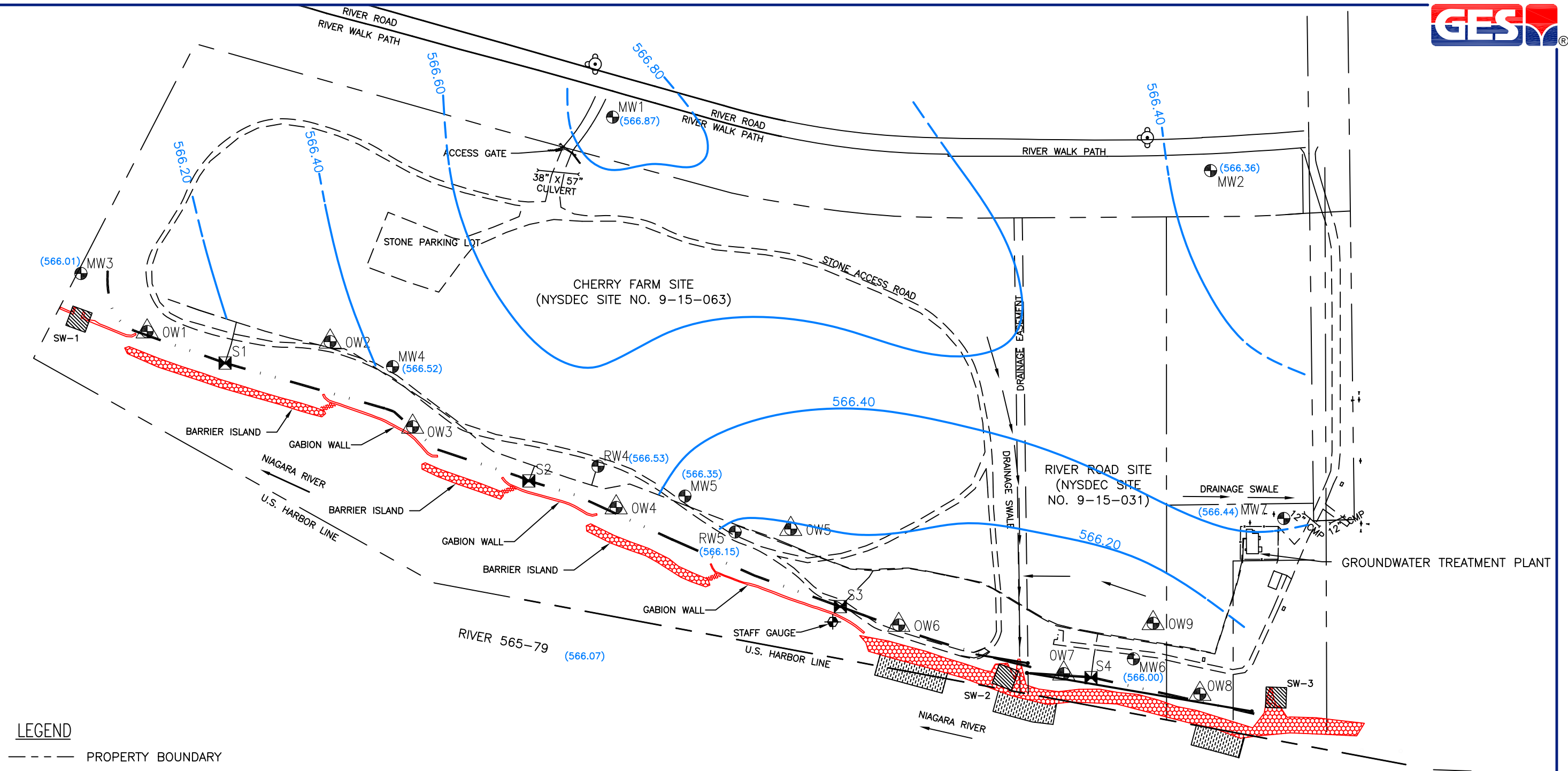
LEGEND

- PROPERTY BOUNDARY
- x - FENCE
- ▣ TRENCH SUMP
- ⊕ MONITORING WELL
- ⊙ OBSERVATION WELL
- . - SHALLOW GROUNDWATER TRENCH
- - - GROUNDWATER CONVEYANCE PIPING
- (577.41) GROUNDWATER ELEVATION (feet NGVD)
- ~ GROUNDWATER CONTOUR (feet NGVD)
DASHED WHERE INFERRED
- NGVD NATIONAL GEODETIC VERTICAL DATUM 1929
- NM NOT MEASURED

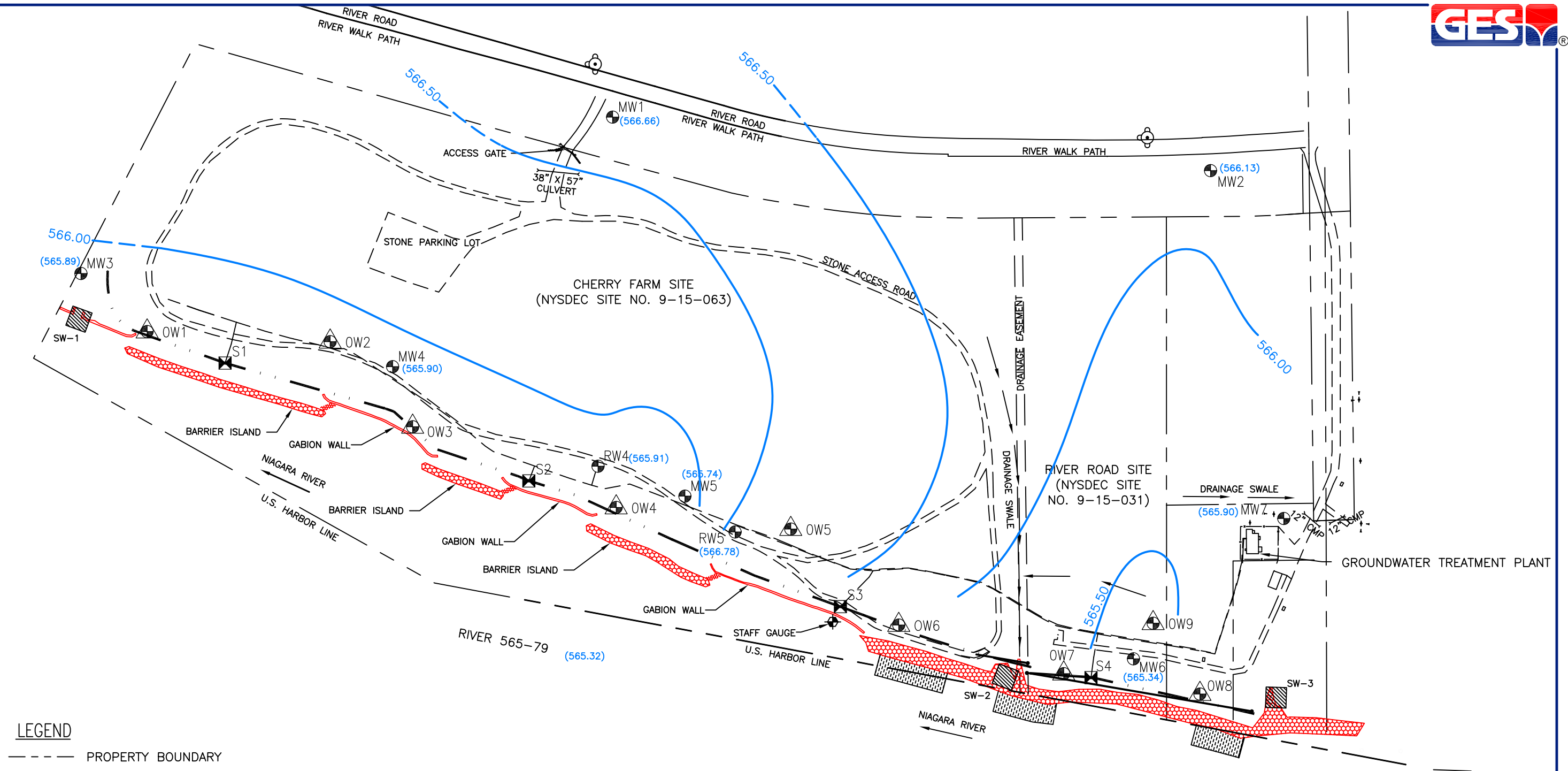
NOTE:

MW4 WAS NOT USED TO GENERATE GROUNDWATER CONTOURS.

DRAFTED BY: W.G.S.	GROUNDWATER CONTOUR MAP MARCH 20, 2017		
CHECKED BY: J.K.C.	CHERRY FARM (RIVER ROAD SITE) 4100 RIVER ROAD TONAWANDA, NEW YORK		
REVIEWED BY: T.P.	Groundwater & Environmental Services, Inc. 495 AERO DRIVE, SUITE 3, CHEEKTOWAGA, NEW YORK 14225		
NORTH 	SCALE IN FEET 0 APPROXIMATE 250	DATE 2-19-18	FIGURE 3.3a



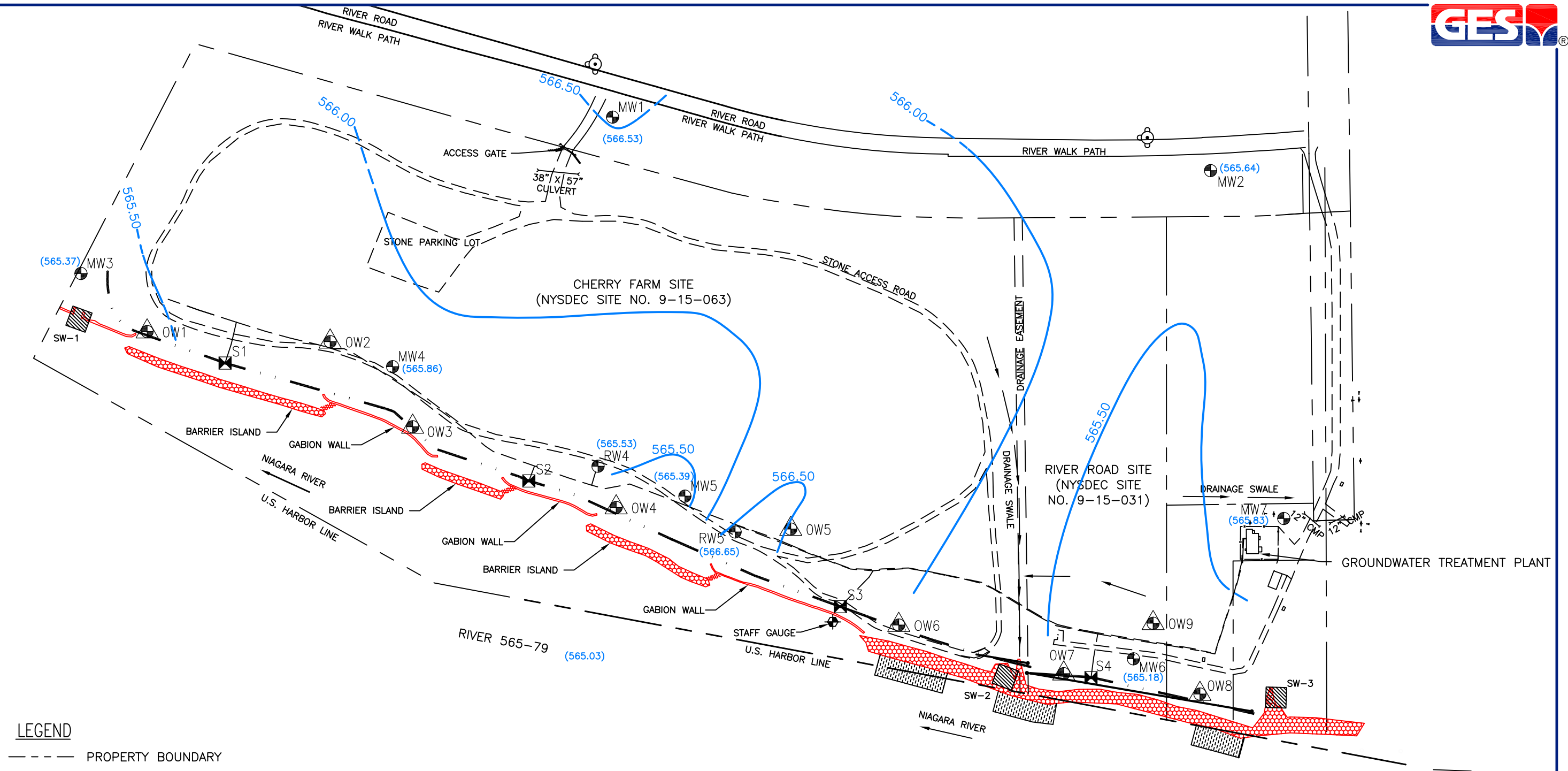
DRAFTED BY: W.G.S.	GROUNDWATER CONTOUR MAP JUNE 26, 2017		
CHECKED BY: J.K.C.	CHERRY FARM (RIVER ROAD SITE) 4100 RIVER ROAD TONAWANDA, NEW YORK		
REVIEWED BY: T.P.	Groundwater & Environmental Services, Inc. 495 AERO DRIVE, SUITE 3, CHEEKTOWAGA, NEW YORK 14225		
NORTH 	SCALE IN FEET 0 APPROXIMATE 250	DATE 1-18-18	FIGURE 3.3b



LEGEND

- PROPERTY BOUNDARY
- x - FENCE
- ▣ TRENCH SUMP
- ⊕ MONITORING WELL
- ⊙ OBSERVATION WELL
- . - SHALLOW GROUNDWATER TRENCH
- - - GROUNDWATER CONVEYANCE PIPING
- (566.66) GROUNDWATER ELEVATION (feet NGVD)
- ~ GROUNDWATER CONTOUR (feet NGVD)
DASHED WHERE INFERRED
- NGVD NATIONAL GEODETIC VERTICAL DATUM 1929
- NM NOT MEASURED

DRAFTED BY: W.G.S.	GROUNDWATER CONTOUR MAP SEPTEMBER 25, 2017		
CHECKED BY: J.K.C.	CHERRY FARM (RIVER ROAD SITE) 4100 RIVER ROAD TONAWANDA, NEW YORK		
REVIEWED BY: T.P.	Groundwater & Environmental Services, Inc. 495 AERO DRIVE, SUITE 3, CHEEKTOWAGA, NEW YORK 14225		
NORTH 	SCALE IN FEET 0 APPROXIMATE 250	DATE 1-18-18	FIGURE 3.3c



- LEGEND**
- PROPERTY BOUNDARY
 - x - FENCE
 - ▣ TRENCH SUMP
 - ⊕ MONITORING WELL
 - ⊙ OBSERVATION WELL
 - . - SHALLOW GROUNDWATER TRENCH
 - - - GROUNDWATER CONVEYANCE PIPING
 - (565.86) GROUNDWATER ELEVATION (feet NGVD)
 - ~ GROUNDWATER CONTOUR (feet NGVD)
DASHED WHERE INFERRED
 - NGVD NATIONAL GEODETIC VERTICAL DATUM 1929

DRAFTED BY: W.G.S.	GROUNDWATER CONTOUR MAP NOVEMBER 29, 2017		
CHECKED BY: J.K.C.	CHERRY FARM (RIVER ROAD SITE) 4100 RIVER ROAD TONAWANDA, NEW YORK		
REVIEWED BY: T.P.	Groundwater & Environmental Services, Inc. 495 AERO DRIVE, SUITE 3, CHEEKTOWAGA, NEW YORK 14225		
NORTH 	SCALE IN FEET 0 APPROXIMATE 250	DATE 1-18-18	FIGURE 3.3d



Figure 3.4a

Monitoring Well Hydrograph (2013-2017) MW-1, MW-2, MW-3, and Staff Gauge

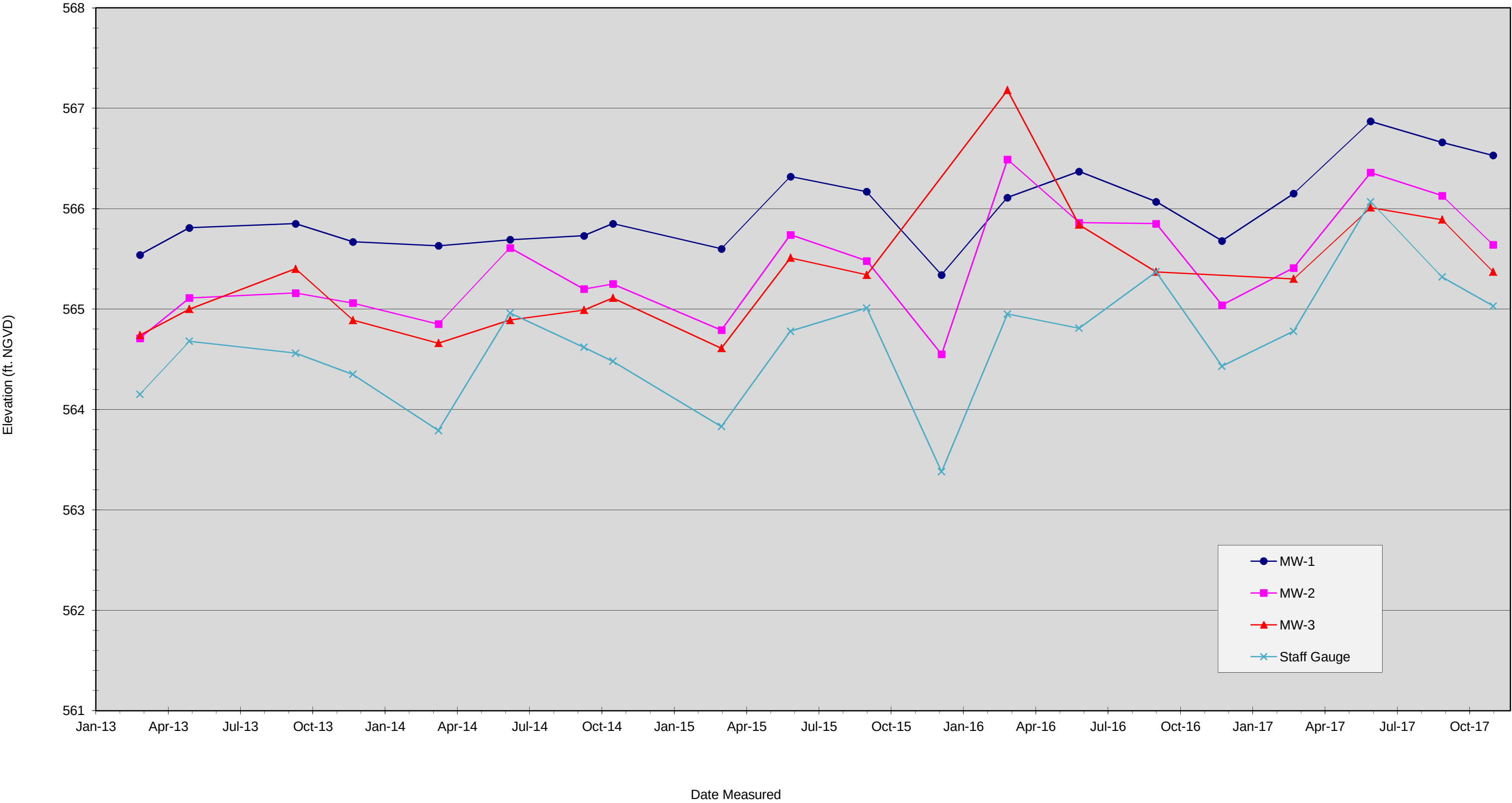




Figure 3.4b

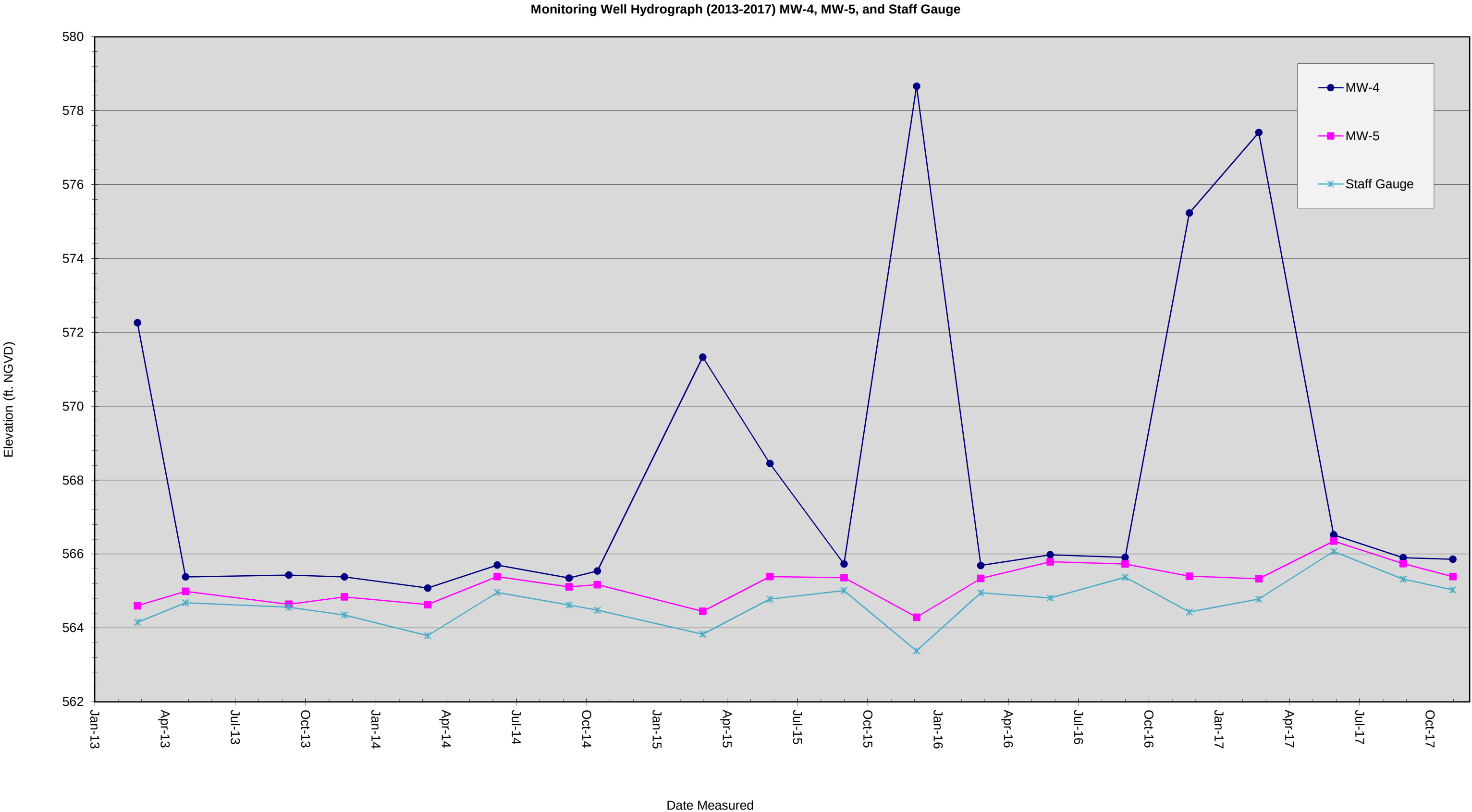




Figure 3.4c

Monitoring Well Hydrograph (2013-2017) MW-6, MW-7, and Staff Gauge

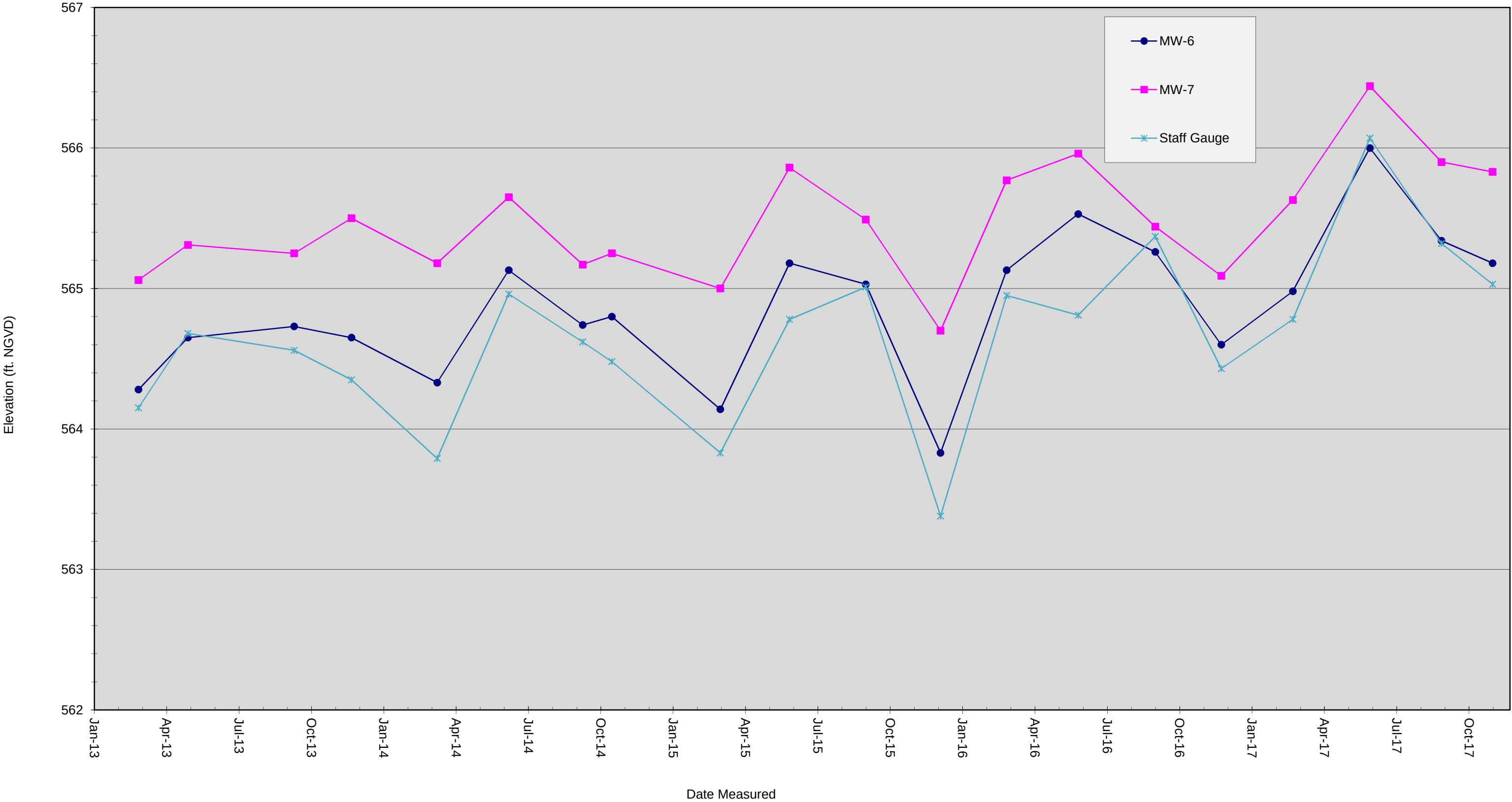




Figure 3.4d

Monitoring Well Hydrograph (2013-2017) RW-4, RW-5, and Staff Gauge

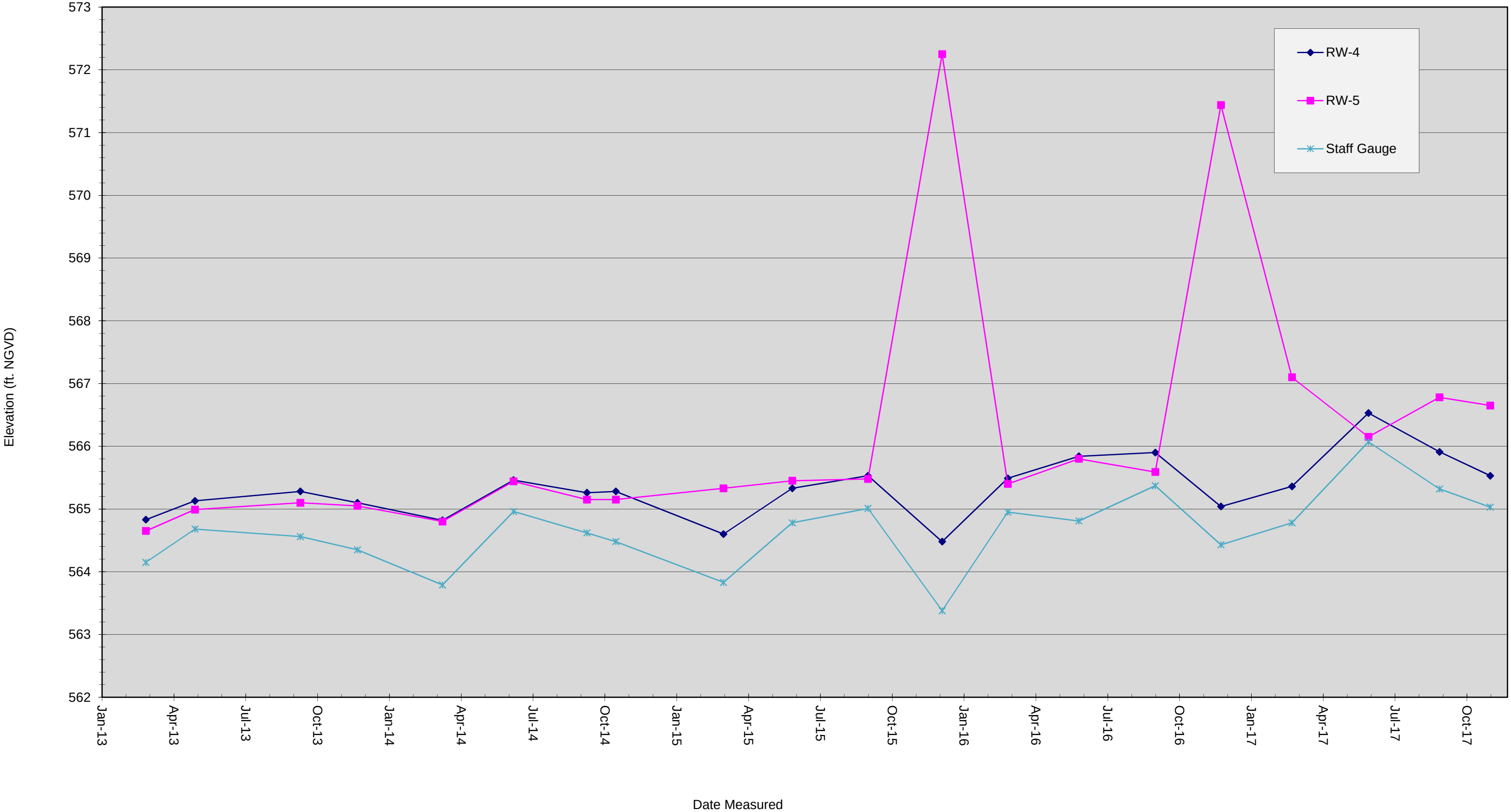




Figure 3.5a

Sump Hydrograph (2013-2017) S-1, S-2, S-3, S-4, and Staff Gauge

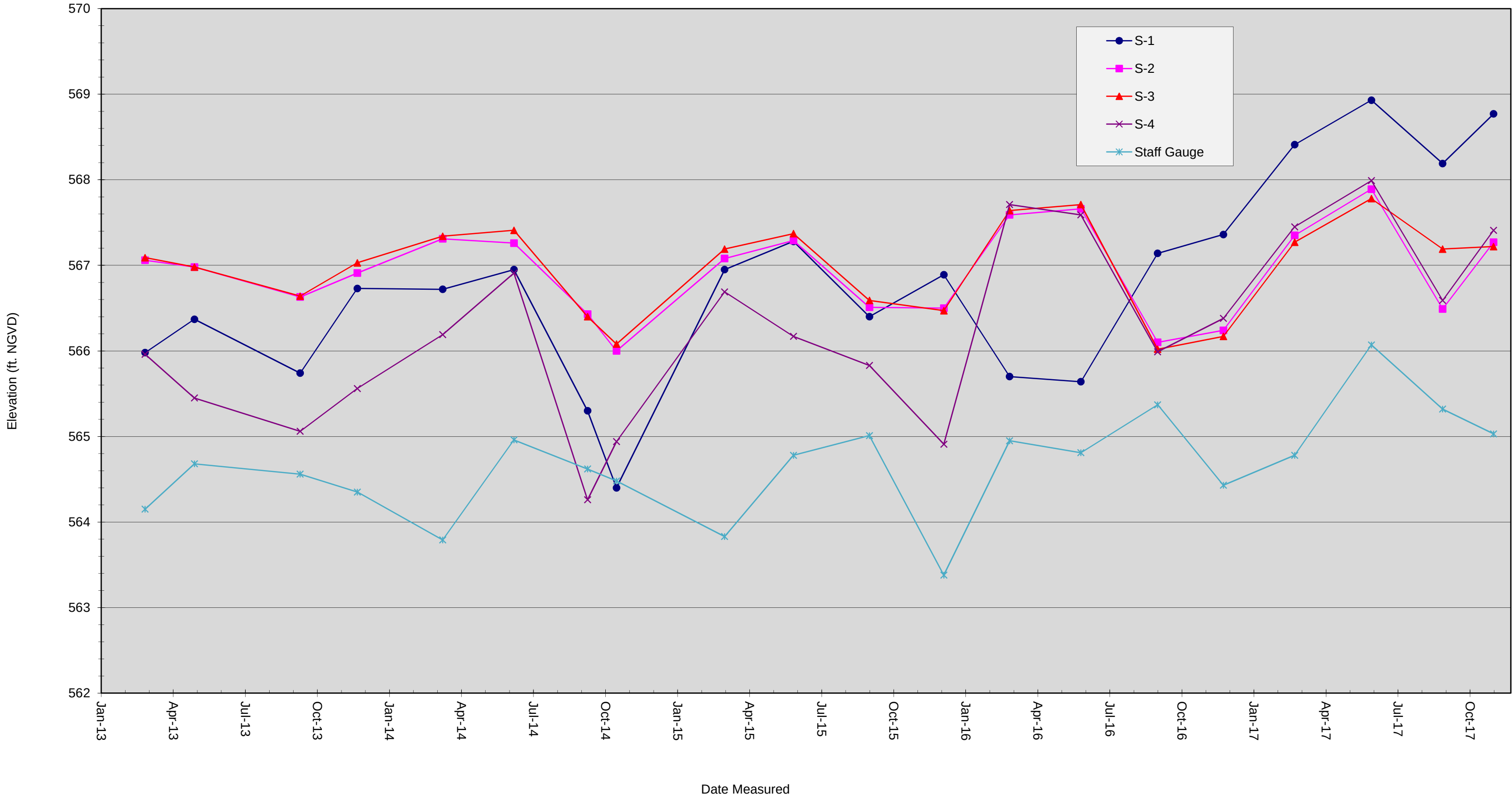




Figure 3.5b

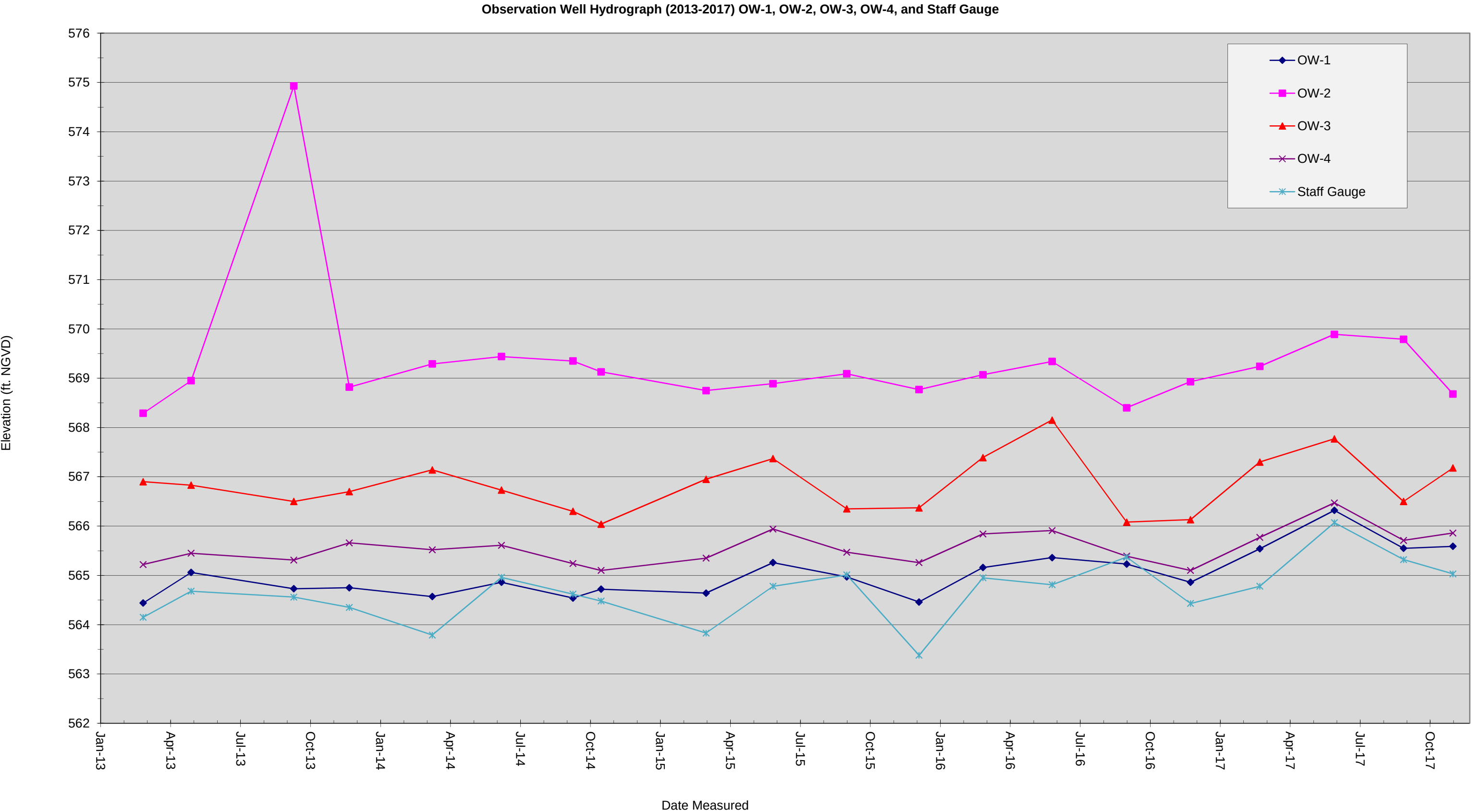
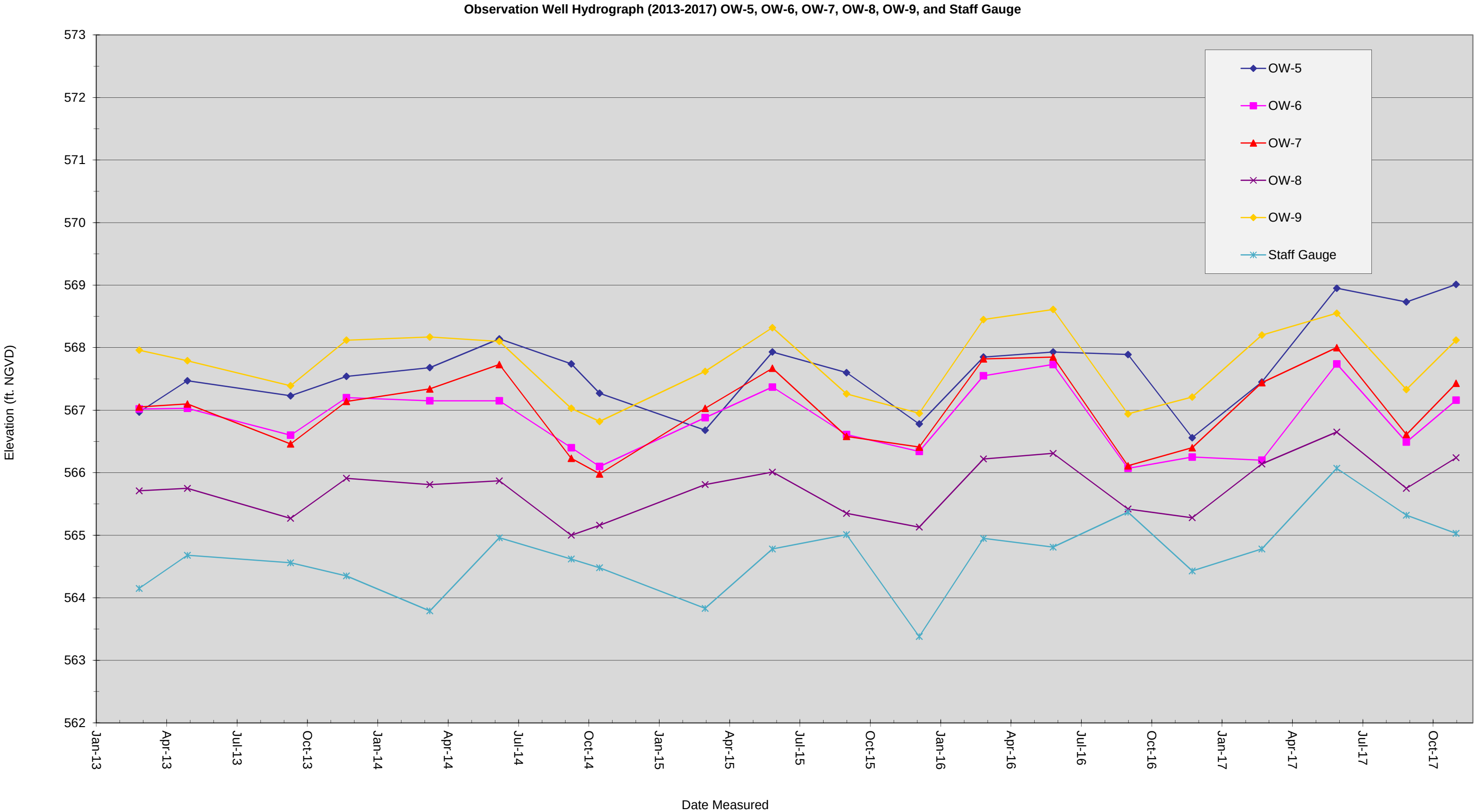




Figure 3.5c





Tables

Table 2.1

Institutional and Engineering Controls Summary
Cherry Farm

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

Table 2.1

Institutional and Engineering Controls Summary
Cherry Farm

Controls for Cherry Farm	Description	Monitoring Program	Monitoring Frequency	Deficiencies	Corrective Measures
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
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
River Road

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 southern 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
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

2017 Groundwater Elevation Summary

WELL NAME	WELL DIAMETER	03/20/17 ELEVATION	06/26/17 ELEVATION	09/25/17 ELEVATION	11/29/17 ELEVATION
		(FEET)	(FEET)	(FEET)	(FEET)
MW-1	2"	566.15	566.87	566.66	566.53
MW-2	2"	565.41	566.36	566.13	565.64
MW-3	2"	565.30	566.01	565.89	565.37
MW-4	2"	577.41	566.52	565.90	565.86
MW-5	2"	565.33	566.35	565.74	565.39
MW-6	2"	564.98	566.00	565.34	565.18
MW-7	2"	565.63	566.44	565.90	565.83
OW-1	1 1/2"	565.54	566.32	565.55	565.59
OW-2	1 1/2"	569.24	569.89	569.79	568.68
OW-3	1 1/2"	567.30	567.77	566.50	567.18
OW-4	1 1/2"	565.77	566.47	565.71	565.86
OW-5	1 1/2"	567.45	568.95	568.73	569.01
OW-6	1 1/2"	566.20	567.74	566.49	567.16
OW-7	1 1/2"	567.44	568.00	566.61	567.43
OW-8	1 1/2"	566.14	566.65	565.75	566.24
OW-9	1 1/2"	568.20	568.55	567.33	568.12
RW-4	8"	565.36	566.53	565.91	565.53
RW-5	8"	567.10	566.15	566.78	566.65
S-1	vault	568.41	568.93	568.19	568.77
S-2	vault	567.35	567.89	566.49	567.27
S-3	vault	567.27	567.78	567.19	567.22
S-4	vault	567.45	567.99	566.59	567.41
SG	NA	564.78	566.07	565.32	565.03

Notes:

NA = Not applicable
NM = Not Measured
SG = Staff Gauge



Table 2.3

Non-Routine Maintenance Summary

Date	Non-Routine Maintenance Item
January 2017	Replacement of failed pH probe. Muriatic acid was added to the line from S-4 to dissolve accumulated mineral deposits reducing flow from the sump. System was down 11 hours due to a low pH alarm.
February 2017	Muriatic acid was added to the line from S-4 to dissolve accumulated mineral deposits reducing flow from the sump.
March 2017	Muriatic acid was added to the line from S-4 to dissolve accumulated mineral deposits reducing flow from the sump. Flushed S-4 line with pressurized water to remove blockages.
April 2017	pH probe replacement to fix pH issue and to get system back on-line. System was down 28 hours due to low pH alarm.
May 2017	System down 1 day for replacement of acidification tank stand due to corrosion of existing stand. Muriatic acid was added to the line from S-4 to dissolve accumulated mineral deposits reducing flow from the sumps.
June 2017	Replacement of failed pH probe. Muriatic acid was added to the lines from S-3 and S-4 to dissolve accumulated mineral deposits reducing flow from the sumps. Flushed sump lines with pressurized water to remove blockages.
July 2017	Muriatic acid was added to the line from S-4 to dissolve accumulated mineral deposits reducing flow from the sump. Flushed S-4 line with pressurized water to remove blockages.



Table 2.3

Non-Routine Maintenance Summary

Date	Non-Routine Maintenance Item
August 2017	Replacement of caustic line from metering pump to caustic mixing tank due to line failure. System down 5 days due to caustic line failure.
September 2017	Replacement of failed pH probe. Muriatic acid was added to the line from S-4 to dissolve accumulated mineral deposits reducing flow from the sump. Flushed S-4 line with pressurized water to remove blockages.
October 2017	Muriatic acid was added to the line from S-4 to dissolve accumulated mineral deposits reducing flow from the sumps. System down 4 days due to a PCB detection in the monthly effluent sample.
November 2017	Replacement of failed pH controller for T-2 (caustic mixing tank). Confined space entry at S-4 to attempt to clear blockage and to upgrade plumbing and wiring in vault. System down 2 days due to a failed pH controller.
December 2017	Muriatic acid was added to the line from S-4 to dissolve accumulated mineral deposits reducing flow from the sumps. Apply air pressure to S-4 line to assist acid flushing.

Table 3-1

2017 Detected Compound Summary
Monitoring Well Samples

Cherry Farm/River Road March & October 2017 Monitoring Well Sampling	NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID:	MW-4	MW-4	MW-5	MW-5	DUP (MW-5)	MW-6	MW-6	RW-4	RW-4	RW-5	RW-5
		Lab Sample ID:	480-114997-1	480-125448-3	480-114997-2	480-125448-4	480-125448-6	480-114997-3	480-125448-5	480-114997-9	480-125448-7	480-114997-10	480-125448-8
		Depth:	17.85	17.97	18.35	18.44	18.44	20.17	20.35	16.73	15.98	13.76	16.35
		Source:	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA
		SDG:	480-114997	480-125448	480-114997	480-125448	480-125448	480-114997	480-125448	480-114997	480-125448	480-114997	480-125448
		Matrix:	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
		Sampled:	3/22/2017	10/5/2017	3/22/2017	10/5/2017	10/5/2017	3/22/2017	10/5/2017	3/23/2017	10/5/2017	3/23/2017	10/5/2017
		UNITS:											
COMPOUND													
VOLATILES													
Acetone	50 (G)	(µg/L)	ND	4.9 (J)	ND	17 (J)	25 (J)	ND	6.0 (J)	ND	3.1 (J)	ND	ND
Benzene	1	(µg/L)	ND	ND	15	19	17	ND	ND	ND	ND	ND	ND
Ethylbenzene	5	(µg/L)	ND	ND F1	ND	ND	ND	ND	ND	1.7	ND	ND	ND
Methylene Chloride	5	(µg/L)	ND	ND	ND	3.3 (J)	3.3 (J)	ND	ND	ND	ND	ND	ND
SEMIVOLATILES													
Acenaphthene	20 (G)	(µg/L)	ND	ND	ND	ND	ND	ND F2	ND	0.49 (J)	ND	ND	ND
Diethyl phthalate	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND F2	ND	0.70 (J)	0.77 (J)	ND	0.26 (J)
Di-n-butyl phthalate	50	(µg/L)	ND	0.48 (J)	ND	0.46 (J)	0.40 (J)	ND F2	0.38 (J)	0.39 (J)	1.2 (J)	0.31 (J)	0.39 (J)
Naphthalene	10 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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.

MS = Matrix Spike

MSD = Matrix Spike Duplicate

NS = No Standard

(G) = Guidance Value

ND = 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.

F1 = MS and/or MSD Recovery is outside acceptance limits.

Table 3.2

2017 Detected Compound Summary
Sump Samples

Cherry Farm/River Road	NYSDEC	Sample ID:	S-1	S-1	S-2	S-2	S-3	DUP (S-3)	S-3	S-4	S-4
March & October 2017	Class GA	Lab Sample ID:	480-114997-5	480-125448-9	480-114997-6	480-125448-10	480-114997-7	480-114997-8	480-125448-2	480-114997-4	480-125448-1
Sump Sampling	Groundwater	Depth:	NM	NM	NM	NM	NM	NM	NM	NM	NM
EPA Method 8260C	Standards/ Guidance Values	Source:	TA	TA	TA	TA	TA	TA	TA	TA	TA
		SDG:	480-114997	480-125448	480-114997	480-125448	480-114997	480-114997	480-125448	480-114997	480-125448
		Matrix:	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
		Sampled:	3/23/2017	10/6/2017	3/23/2017	10/6/2017	3/23/2017	3/23/2017	10/4/2017	3/23/2017	10/4/2017
COMPOUND		UNITS:									
VOLATILES											
1,1-Dichloroethane	5	(µg/L)	ND	2.2	ND	0.56 (J)	1.5	1.8	2.2	1.2	1.6
1,2-Dichloroethane, Total	NS	(µg/L)	ND	1.7 (J)	8.2	17	1.1 (J)	1.3 (J)	2.0 (J)	2.1	3.5
Acetone	50 (G)	(µg/L)	ND	ND	ND	5.2 (J)	ND	ND	ND	3.0 (J)	ND
Benzene	1	(µg/L)	ND	ND	ND	0.64 (J)	ND	ND	ND	ND	2.2
Ethylbenzene	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	0.92 (J)
Methylene Chloride	5	(µg/L)	ND	ND	ND	ND	ND	ND	1.4 (J)	ND	ND
Tetrachloroethene	5	(µg/L)	ND	ND	ND	ND	ND	0.54 (J)	ND	ND	ND
Toluene	5	(µg/L)	ND	ND	ND	ND	0.53 (J)	ND	ND	ND	ND
Trichloroethene	5	(µg/L)	ND	ND	1.7	2.9	ND	ND	ND	0.46 (J)	ND
Vinyl chloride	2	(µg/L)	ND	ND	1.3	2.8	ND	ND	ND	ND	ND
Xylenes, total	5	(µg/L)	ND	ND	ND	ND	0.66 (J)	0.72 (J)	1.4 (J)	ND	7.4
SEMIVOLATILES											
2,4,5-Trichlorophenol	NS	(µg/L)	ND	1.4 (J)	ND	ND	0.81 (J)	0.89 (J)	1.4 (J)	ND	ND
2,4-Dimethylphenol	1	(µg/L)	ND	60	ND	3.4 (J)	14	14	58	ND	ND
2-Methylnaphthalene	NS	(µg/L)	ND	0.72 (J)	ND	ND	ND	ND	ND	ND	ND
2-Methylphenol	1	(µg/L)	ND	18	ND	1.4 (J)	11	12	36	0.87 (J)	ND
4-Methylphenol	1	(µg/L)	ND	43	ND	3.1 (J)	22	23	74	ND	ND
Acenaphthene	20 (G)	(µg/L)	ND	0.73 (J)	ND	ND	0.62 (J)	0.69 (J)	0.84 (J)	ND	ND
Acenaphthylene	NS	(µg/L)	ND	0.46 (J)	ND	ND	0.39 (J)	ND	0.48 (J)	ND	ND
Carbazole	NS	(µg/L)	ND	ND (*)	ND	ND (*)	0.42 (J)	0.45 (J)	ND (*)	ND	ND (*)
Diethyl phthalate	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	0.28 (J)
Dimethyl phthalate	50 (G)	(µg/L)	ND	ND (*)	ND	ND (*)	ND	ND	ND (*)	ND	1.4 (J *)
Di-n-butyl phthalate	50	(µg/L)	0.34 (J)	0.46 (J)	ND	0.48 (J)	ND	ND	ND	0.45 (J)	0.37 (J)
Fluorene	50 (G)	(µg/L)	ND	0.59 (J)	ND	ND	0.56 (J)	0.55 (J)	0.67 (J)	ND	ND
Naphthalene	10 (G)	(µg/L)	ND	6.4	ND	ND	2.4 (J)	2.4 (J)	4.9 (J)	ND	ND
Phenanthrene	50 (G)	(µg/L)	ND	0.61 (J)	ND	0.57 (J)	0.81 (J)	0.57 (J)	0.78 (J)	ND	ND
Phenol	1	(µg/L)	ND	ND	ND	0.51 (J)	ND	ND	ND	ND	ND

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

NM = Not Measured

(G) = Guidance Value

ND = Indicates compound was analyzed for, but not detected at or above the reporting limit.

(B) = Compound was found in the blank and sample.

(J) = Result is less than the Reporting Limit but greater than or equal to the Method Detection Limit. The concentration is an approximate value.

Table 3.2

2017 Detected Compound Summary
Sump Samples

Cherry Farm/River Road March & October 2017 Sump Sampling EPA Method 8260C	NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample ID: Depth: Source: SDG: Matrix: Sampled:	S-1 480-114997-5	S-1 480-125448-9	S-2 480-114997-6	S-2 480-125448-10	S-3 480-114997-7	DUP (S-3) 480-114997-8	S-3 480-125448-2	S-4 480-114997-4	S-4 480-125448-1
			NM	NM	NM	NM	NM	NM	NM	NM	NM
			TA	TA	TA	TA	TA	TA	TA	TA	TA
			480-114997	480-125448	480-114997	480-125448	480-114997	480-114997	480-125448	480-114997	480-125448
			WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
			3/23/2017	10/6/2017	3/23/2017	10/6/2017	3/23/2017	3/23/2017	10/4/2017	3/23/2017	10/4/2017
COMPOUND		UNITS:									
PESTICIDES											
4,4'-DDD	0.3	(µg/L)	ND	ND	ND	ND	ND	ND	ND	0.011 (J)	ND
4,4'-DDE	0.2	(µg/L)	0.020 (J)	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDT	0.2	(µg/L)	ND	ND	ND	0.014 (J)	ND	ND	ND	ND	ND
alpha-BHC	0.01	(µg/L)	ND	ND	ND	ND	ND	ND	ND	0.0097 (J)	ND
delta-BHC	0.04	(µg/L)	0.012 (J)	ND	ND	ND	ND	ND	ND	0.021 (J)	ND
Endosulfan I	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	0.043 (J)	ND
Endosulfan II	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	0.10	ND
gamma-BHC (Lindane)	0.05	(µg/L)	ND	ND	ND	0.011 (J)	ND	ND	ND	ND	0.028 (J)
gamma-Chlordane	0.05	(µg/L)	ND	ND	ND	ND	ND	ND	ND	0.011 (J)	ND
Heptachlor	0.04	(µg/L)	ND	ND	ND	ND	ND	ND	ND	0.049 (J)	ND
PCBs											
Aroclor 1232	Sum of all PCBs is <0.09	(µg/L)	ND	ND	ND	ND	ND	ND	ND	4.4	ND
Aroclor 1242		(µg/L)	ND	ND	ND	ND	0.61	0.36 (J)	0.46 (J)	ND	0.73
Aroclor 1248		(µg/L)	ND	0.49 (J)	0.24 (J)	0.19 (J)	ND	ND	ND	ND	ND
INORGANICS											
Aluminum	NS	(µg/L)	97 (J)	410	180 (J)	320	410	420	400	ND	ND
Barium	1,000	(µg/L)	10	44	53	71	47	45	44	85	110
Calcium	NS	(µg/L)	35,000	74,800	71,300	111,000	76,500	74,900	74,500	201,000	445,000
Chromium	50	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	3.5 (J)
Cobalt	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	5.8
Copper	200	(µg/L)	1.9 (J)	ND	2.3 (J)	ND	4.4 (J)	1.7 (J)	ND	4.8 (J)	22
Iron	300	(µg/L)	97	36 (J)	ND	ND	40 (J)	34 (J)	32 (J)	370	7,800
Lead	25	(µg/L)	ND	ND	3.8 (J)	ND	3.8 (J)	ND	3.3 (J)	3.8 (J)	3.4 (J)
Magnesium	35,000 (G)	(µg/L)	14,300	61 (J)	ND	ND	160 (J)	160 (J)	81 (J)	6,900	16,900
Manganese	300	(µg/L)	3.0	ND	ND	ND	ND	ND	ND	86	1,600 (B)
Nickel	100	(µg/L)	ND	1.4 (J)	ND	ND	ND	ND	1.3 (J)	16	310
Potassium	NS	(µg/L)	2,400	59,400	28,900	35,200	54,800	55,100	59,500	87,200	91,600
Sodium	20,000	(µg/L)	3,200	112,000	42,700	53,100	99,800	100,000	112,000	101,000	115,000
Vanadium	NS	(µg/L)	ND	7.0	12	4.7 (J)	22	20	7.2	1.6 (J)	1.7 (J)
Zinc	2,000 (G)	(µg/L)	8.1 (J, B)	2.4 (J)	2.4 (J, B)	1.8 (J)	2.6 (J, B)	2.3 (J, B)	1.8 (J)	110 (B)	43
Cyanide	200	(µg/L)	7.5 (J)	24	12	10	39	65	30	31	33

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

NM = Not Measured

(G) = Guidance Value

ND = Indicates compound was analyzed for, but not detected at or above the reporting limit.

(B) = Compound was found in the blank and sample.

(J) = Result is less than the Reporting Limit but greater than or equal to the Method Detection Limit. The concentration is an approximate value.

Table 3.3

Total 2017 Contaminant Mass Removal

Sum of Analytical Concentrations	S-1		S-2		S-3		S-4		Average Influent Concentration	2017 Total Plant Flow	Total Removed
Units	(µg/L)		(µg/L)		(µg/L)		(µg/L)		(µg/L)	(µg/L)	(lbs)
Date	03/23/17	10/06/17	03/23/17	10/06/17	03/23/17	10/04/17	03/23/17	10/04/17			
Total VOCs	ND	3.90	11.20	29.10	3.79	7.00	6.76	15.62	9.67	3,091,143	0.249
Total SVOCs	0.34	132.37	ND	9.47	53.01	177.07	1.32	2.05	46.95	3,091,143	1.209
Total Pesticides	0.032	ND	ND	0.025	ND	ND	0.245	0.028	0.04	3,091,143	0.001
Total PCBs	ND	0.49	0.240	0.190	0.610	0.46	4.40	0.73	0.89	3,091,143	0.023

NOTES:

VOCs = volatile organic compounds

SVOCs = semi-volatile organic compounds

PCBs = polychlorinated biphenyls

ND = compound was analyzed for, but not detected at or above the reporting limit

µg/L = micrograms per liter

gal = gallons

lbs = pounds

g = grams

$$\text{Total Removed (lbs)} = \frac{\text{Influent Concentration (}\mu\text{g)}}{(\text{L})} \times \text{Flow (gal)} \times \frac{3.7854 (\text{L})}{1 (\text{gal})} \times \frac{1 (\text{g})}{1,000,000 (\mu\text{g})} \times \frac{0.0022 (\text{lbs})}{1 (\text{g})}$$



Appendix A-1 – March and October 2017 Analytical Data

Appendix A-1

2017 Analytical Data Monitoring Well Samples Volatile Organic Compounds

Cherry Farm/River Road March & October 2017 Monitoring Well Sampling EPA Method 8260C	NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample ID: Depth: Source: SDG: Matrix: Sampled: UNITS:	MW-4 480-114997-1 17.85 TA 480-114997 WATER 3/22/2017	MW-4 480-125448-3 17.97 TA 480-125448 WATER 10/5/2017	MW-5 480-114997-2 18.25 TA 480-114997 WATER 3/22/2017	MW-5 480-125448-4 18.44 TA 480-125448 WATER 10/5/2017	DUP (MW-5) 480-125448-6 18.44 TA 480-125448 WATER 10/5/2017	MW-6 480-114997-3 20.17 TA 480-114997 WATER 3/22/2017	MW-6 480-125448-5 20.35 TA 480-125448 WATER 10/5/2017	RW-4 480-114997-9 16.73 TA 480-114997 WATER 3/23/2017	RW-4 480-125448-7 15.98 TA 480-125448 WATER 10/5/2017	RW-5 480-114997-10 13.76 TA 480-114997 WATER 3/23/2017	RW-5 480-125448-8 16.35 TA 480-125448 WATER 10/5/2017	
COMPOUND														
VOLATILES														
1,1,1-Trichloroethane	5	(µg/L)	ND	ND (F1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	1	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	(µg/L)	ND	ND (F1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.6	(µg/L)	ND	ND (F1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethene, Total	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	1	(µg/L)	ND	ND (F1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	50 (G)	(µg/L)	ND	ND (F1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	NS	(µg/L)	ND	ND (F1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	50 (G)	(µg/L)	ND	4.9 (J)	ND	17 (J)	25 (J)	ND	6.0 (J)	ND	3.1 (J)	ND	ND	ND
Benzene	1	(µg/L)	ND	ND	15	19	17	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	60 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	7	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.4	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	5	(µg/L)	ND	ND (F1)	ND	ND	ND	ND	ND	1.7	ND	ND	ND	ND
Methylene Chloride	5	(µg/L)	ND	ND	ND	3.3 (J)	3.3 (J)	ND	ND	ND	ND	ND	ND	ND
Styrene	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5	(µg/L)	ND	ND (F1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.4	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	2	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes, total	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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.

MS = Matrix Spike

MSD = Matrix Spike Duplicate

NS = No Standard

(G) = Guidance Value

ND = 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.

(F1) = MS and/or MSD Recovery is outside acceptance limits.

Appendix A-1

2017 Analytical Data Monitoring Well Samples Semi-Volatile Organic Compounds

Cherry Farm/River Road March & October 2017 Monitoring Well Sampling EPA Method 8270D	NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample ID: Depth: Source: SDG: Matrix: Sampled:	MW-4 480-114997-1 17.85 TA 480-114997 WATER 3/22/2017	MW-4 480-125448-3 17.97 TA 480-125448 WATER 10/5/2017	MW-5 480-114997-2 18.35 TA 480-114997 WATER 3/22/2017	MW-5 480-125448-4 18.44 TA 480-125448 WATER 10/5/2017	DUP (MW-5) 480-125448-6 18.44 TA 480-125448 WATER 10/5/2017	MW-6 480-114997-3 20.17 TA 480-114997 WATER 3/22/2017	MW-6 480-125448-5 20.35 TA 480-125448 WATER 10/5/2017	RW-4 480-114997-9 16.73 TA 480-114997 WATER 3/23/2017	RW-4 480-125448-7 15.98 TA 480-125448 WATER 10/5/2017	RW-5 480-114997-10 13.76 TA 480-114997 WATER 3/23/2017	RW-5 480-125448-8 16.35 TA 480-125448 WATER 10/5/2017	
COMPOUND		UNITS:												
SEMIVOLATILES														
1,2,4-Trichlorobenzene	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	3	(µg/L)	ND	ND	ND	ND	ND	ND (F2)	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	3	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	3	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	1	(µg/L)	ND	ND	ND	ND	ND	ND (F2)	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	NS	(µg/L)	ND	ND	ND	ND	ND	ND (F2)	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	1	(µg/L)	ND	ND	ND	ND	ND	ND (F2)	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	1	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrophenol	10 (G)	(µg/L)	ND	ND	ND	ND	ND	ND (F2)	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	5	(µg/L)	ND	ND	ND	ND	ND	ND (F2)	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	5	(µg/L)	ND	ND	ND	ND	ND	ND (F2)	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	10 (G)	(µg/L)	ND	ND	ND	ND	ND	ND (F2)	ND	ND	ND	ND	ND	ND
2-Chlorophenol	1	(µg/L)	ND	ND	ND	ND	ND	ND (F2)	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	NS	(µg/L)	ND	ND	ND	ND	ND	ND (F2)	ND	ND	ND	ND	ND	ND
2-Methylphenol	1	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitroaniline	5	(µg/L)	ND	ND	ND	ND	ND	ND (F2)	ND	ND	ND	ND	ND	ND
2-Nitrophenol	1	(µg/L)	ND	ND	ND	ND	ND	ND (F2)	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	5	(µg/L)	ND	ND (F2 *)	ND	ND (*)	ND (*)	ND	ND (*)	ND	ND (*)	ND	ND (*)	ND (*)
3-Nitroaniline	5	(µg/L)	ND	ND (*)	ND	ND (*)	ND (*)	ND	ND (*)	ND	ND (*)	ND	ND (*)	ND (*)
4,6-Dinitro-2-methylphenol	1	(µg/L)	ND	ND	ND	ND	ND	ND (F2)	ND	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	NS	(µg/L)	ND	ND	ND	ND	ND	ND (F2)	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	1	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloroaniline	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	NS	(µg/L)	ND	ND	ND	ND	ND	ND (F2)	ND	ND	ND	ND	ND	ND
4-Methylphenol	1	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitroaniline	5	(µg/L)	ND	ND (*)	ND	ND (*)	ND (*)	ND	ND (*)	ND	ND (*)	ND	ND	ND (*)
4-Nitrophenol	1	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20 (G)	(µg/L)	ND	ND	ND	ND	ND	ND (F2)	ND	0.49 (J)	ND	ND	ND	ND
Acenaphthylene	NS	(µg/L)	ND	ND	ND	ND	ND	ND (F2)	ND	ND	ND	ND	ND	ND
Anthracene	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND (F2)	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	0.002 (G)	(µg/L)	ND	ND (F2)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]pyrene	NS	(µg/L)	ND	ND (F2)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

µg/L = micrograms per liter

NYSDEC (J)une 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

ND = 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.

(E) = Result exceeded calibration range.

(*) = LCS or LCSD is outside acceptance limits. ISTD Response or retention time outside acceptable limits.

(F1) = MS and/or MSD Recovery is outside acceptance limits.

(F2)= MS/MSD RPD Exceeds Control Limits.

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2017 Analytical Data Monitoring Well Samples Semi-Volatile Organic Compounds

Cherry Farm/River Road March & October 2017 Monitoring Well Sampling EPA Method 8270D	NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample ID: Depth: Source: SDG: Matrix: Sampled:	MW-4 480-114997-1 17.85 TA 480-114997 WATER 3/22/2017	MW-4 480-125448-3 17.97 TA 480-125448 WATER 10/5/2017	MW-5 480-114997-2 18.35 TA 480-114997 WATER 3/22/2017	MW-5 480-125448-4 18.44 TA 480-125448 WATER 10/5/2017	DUP (MW-5) 480-125448-6 18.44 TA 480-125448 WATER 10/5/2017	MW-6 480-114997-3 20.17 TA 480-114997 WATER 3/22/2017	MW-6 480-125448-5 20.35 TA 480-125448 WATER 10/5/2017	RW-4 480-114997-9 16.73 TA 480-114997 WATER 3/23/2017	RW-4 480-125448-7 15.98 TA 480-125448 WATER 10/5/2017	RW-5 480-114997-10 13.76 TA 480-114997 WATER 3/23/2017	RW-5 480-125448-8 16.35 TA 480-125448 WATER 10/5/2017	
COMPOUND		UNITS:												
Benzo[b]fluoranthene	0.002 (G)	(µg/L)	ND	ND (F2)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[k]fluoranthene	0.002 (G)	(µg/L)	ND	ND (F2)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroethoxy)methane	5	(µg/L)	ND	ND	ND	ND	ND	ND (F2)	ND	ND	ND	ND	ND	ND
Bis(2-chloroethyl)ether	1	(µg/L)	ND	ND	ND	ND	ND	ND (F2)	ND	ND	ND	ND	ND	ND
Bis(2-chloroisopropyl) ether	5	(µg/L)	ND	ND	ND	ND	ND	ND (F2)	ND	ND	ND	ND	ND	ND
Bis(2-ethylhexyl) phthalate	5	(µg/L)	ND	ND (F2)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butyl benzyl phthalate	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND (F2)	ND	ND	ND	ND	ND	ND
Carbazole	NS	(µg/L)	ND	ND (F1 *)	ND	ND (*)	ND (*)	ND (F2)	ND (*)	ND	ND (*)	ND	ND (*)	ND (*)
Chrysene	0.002 (G)	(µg/L)	ND	ND (F2)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo[a,h]anthracene	NS	(µg/L)	ND	ND (F2)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	NS	(µg/L)	ND	ND	ND	ND	ND	ND (F2)	ND	ND	ND	ND	ND	ND
Diethyl phthalate	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND (F2)	ND	0.70 (J)	0.77 (J)	ND	0.26 (J)	ND
Dimethyl phthalate	50 (G)	(µg/L)	ND	ND (F1 *)	ND	ND (*)	ND (*)	ND (F2)	ND (*)	ND	ND (*)	ND	ND (*)	ND (*)
Di-n-butyl phthalate	50	(µg/L)	ND	0.48 (J)	ND	0.46 (J)	0.40 (J)	ND (F2)	0.38 (J)	0.39 (J)	1.2 (J)	0.31 (J)	0.39 (J)	ND
Di-n-octyl phthalate	50 (G)	(µg/L)	ND	ND (F2)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND (F2)	ND	ND	ND	ND	ND	ND
Fluorene	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND (F2)	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	0.04	(µg/L)	ND	ND (F2)	ND	ND	ND	ND (F2)	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	0.5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	0.002 (G)	(µg/L)	ND	ND (F2)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isophorone	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND (F2)	ND	ND	ND	ND	ND	ND
Naphthalene	10 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	0.4	(µg/L)	ND	ND	ND	ND	ND	ND (F2)	ND	ND	ND	ND	ND	ND
N-Nitrosodi-n-propylamine	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine	50 (G)	(µg/L)	ND	ND (F2)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND (F2)	ND	ND	ND	ND	ND	ND
Phenol	1	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND (F2)	ND	ND	ND	ND	ND	ND

Notes:

µg/L = micrograms per liter

NYSDEC (J)une 1998 Ambient Water Quality Standards and Guidance Values for Groundwater Class GA.

Bold values exceed the NYSDEC Class GA groundwater standard/guidance value.

MS = Matrix Spike

MSD = Matrix Spike Duplicate

NS = No Standard

(G) = Guidance Value

ND = 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.

(E) = Result exceeded calibration range.

(*) = LCS or LCSD is outside acceptance limits. ISTD Response or retention time outside acceptable limits.

(F1) = MS and/or MSD Recovery is outside acceptance limits.

(F2)= MS/MSD RPD Exceeds Control Limits.



Appendix A-1

2017 Analytical Data Monitoring Well Samples Polychlorinated Biphenyls

Cherry Farm/River Road March & October 2017 Monitoring Well Sampling EPA Method 8082A	NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID:	MW-4	MW-4	MW-5	MW-5	DUP (MW-5)	MW-6	MW-6	RW-4	RW-4	RW-5	RW-5
		Lab Sample ID:	480-114997-1	480-125448-3	480-114997-2	480-125448-4	480-125448-6	480-114997-3	480-125448-5	480-114997-9	480-125448-7	480-114997-10	480-125448-8
		Depth:	17.85	17.97	18.35	18.44	18.44	20.17	20.35	16.73	15.98	13.76	16.35
		Source:	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA
		SDG:	480-114997	480-125448	480-114997	480-125448	480-125448	480-114997	480-125448	480-114997	480-125448	480-114997	480-125448
		Matrix:	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
		Sampled:	3/22/2017	10/5/2017	3/22/2017	10/5/2017	10/5/2017	3/22/2017	10/5/2017	3/23/2017	10/5/2017	3/23/2017	10/5/2017
	COMPOUND	UNITS:											
	Polychlorinated Biphenyls												
Aroclor 1016	Sum of all PCBs is <0.09	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1221		(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1232		(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242		(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1248		(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254		(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260		(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

µg/L = micrograms per liter

NYSDEC June 1998 Ambient Water Quality Standards and Guidance Values for Groundwater Class GA.

MS = Matrix Spike

MSD = Matrix Spike Duplicate

ND = Indicates compound was analyzed for, but not detected at or above the detection limit.

Bold values exceed the NYSDEC Class GA groundwater standard/guidance value.

Appendix A-1

2017 Analytical Data Sump Samples Volatile Organic Compounds

Cherry Farm/River Road March & October 2017 Sump Sampling EPA Method 8260C	NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample ID: Depth: Source: SDG: Matrix: Sampled:	S-1 480-114997-5 NM TA 480-114997 WATER 3/23/2017	S-1 480-125448-9 NM TA 480-125448 WATER 10/6/2017	S-2 480-114997-6 NM TA 480-114997 WATER 3/23/2017	S-2 480-125448-10 NM TA 480-125448 WATER 10/6/2017	S-3 480-114997-7 NM TA 480-114997 WATER 3/23/2017	DUP (S-3) 480-114997-8 NM TA 480-114997 WATER 3/23/2017	S-3 480-125448-2 NM TA 480-125448 WATER 10/4/2017	S-4 480-114997-4 NM TA 480-114997 WATER 3/23/2017	S-4 480-125448-1 NM TA 480-125448 WATER 10/4/2017
COMPOUND		UNITS:									
VOLATILES											
1,1,1-Trichloroethane	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	1	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	(µg/L)	ND	2.2	ND	0.56 (J)	1.5	1.8	2.2	1.2	1.6
1,1-Dichloroethene	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.6	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethene, Total	NS	(µg/L)	ND	1.7 (J)	8.2	17	1.1 (J)	1.3 (J)	2.0 (J)	2.1	3.5
1,2-Dichloropropane	1	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	50 (G)	(µg/L)	ND	ND	ND	5.2 (J)	ND	ND	ND	3.0 (J)	ND
Benzene	1	(µg/L)	ND	ND	ND	0.64 (J)	ND	ND	ND	ND	2.2
Bromodichloromethane	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	60 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	7	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.4	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	0.92 (J)
Methylene Chloride	5	(µg/L)	ND	ND	ND	ND	ND	ND	1.4 (J)	ND	ND
Styrene	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5	(µg/L)	ND	ND	ND	ND	ND	0.54 (J)	ND	ND	ND
Toluene	5	(µg/L)	ND	ND	ND	ND	0.53 (J)	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.4	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5	(µg/L)	ND	ND	1.7	2.9	ND	ND	ND	0.46 (J)	ND
Vinyl chloride	2	(µg/L)	ND	ND	1.3	2.8	ND	ND	ND	ND	ND
Xylenes, total	5	(µg/L)	ND	ND	ND	ND	0.66 (J)	0.72 (J)	1.4 (J)	ND	7.4

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.

NM = Not Measured

NS = No Standard

(G) = Guidance Value

ND = 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

2017 Analytical Data Sump Samples Semi-Volatile Organic Compounds

Cherry Farm/River Road March & October 2017 Sump Sampling EPA Method 8270D	NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample ID: Depth: Source: SDG: Matrix: Sampled:	S-1 480-114997-5 NM TA 480-114997 WATER 3/23/2017	S-1 480-125448-9 NM TA 480-125448 WATER 10/6/2017	S-2 480-114997-6 NM TA 480-114997 WATER 3/23/2017	S-2 480-125448-10 NM TA 480-125448 WATER 10/6/2017	S-3 480-114997-7 NM TA 480-114997 WATER 3/23/2017	DUP (S-3) 480-114997-8 NM TA 480-114997 WATER 3/23/2017	S-3 480-125448-2 NM TA 480-125448 WATER 10/4/2017	S-4 480-114997-4 NM TA 480-114997 WATER 3/23/2017	S-4 480-125448-1 NM TA 480-125448 WATER 10/4/2017
COMPOUND		UNITS:									
SEMIVOLATILES											
1,2,4-Trichlorobenzene	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	3	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	3	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	3	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	NS	(µg/L)	ND	1.4 (J)	ND	ND	0.81 (J)	0.89 (J)	1.4 (J)	ND	ND
2,4,6-Trichlorophenol	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	1	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	1	(µg/L)	ND	60	ND	3.4 (J)	14	14	58	ND	ND
2,4-Dinitrophenol	10 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	10 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	1	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	NS	(µg/L)	ND	0.72 (J)	ND	ND	ND	ND	ND	ND	ND
2-Methylphenol	1	(µg/L)	ND	18	ND	1.4 (J)	11	12	36	0.87 (J)	ND
2-Nitroaniline	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitrophenol	1	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	5	(µg/L)	ND	ND (*)	ND	ND (*)	ND	ND	ND (*)	ND	ND (*)
3-Nitroaniline	5	(µg/L)	ND	ND (*)	ND	ND (*)	ND	ND	ND (*)	ND	ND (*)
4,6-Dinitro-2-methylphenol	1	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	1	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloroaniline	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	1	(µg/L)	ND	43	ND	3.1 (J)	22	23	74	ND	ND
4-Nitroaniline	5	(µg/L)	ND	ND (*)	ND	ND (*)	ND	ND	ND (*)	ND	ND (*)
4-Nitrophenol	1	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20 (G)	(µg/L)	ND	0.73 (J)	ND	ND	0.62 (J)	0.69 (J)	0.84 (J)	ND	ND
Acenaphthylene	NS	(µg/L)	ND	0.46 (J)	ND	ND	0.39 (J)	ND	0.48 (J)	ND	ND
Anthracene	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]pyrene	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

µg/L = micrograms per liter

NYSDEC (J)une 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

ND = 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.

(*) = LCS or LCSD is outside acceptance limits. ISTD Response or retention time outside acceptable limits.

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2017 Analytical Data Sump Samples Semi-Volatile Organic Compounds

Cherry Farm/River Road March & October 2017 Sump Sampling EPA Method 8270D	NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample ID: Depth: Source: SDG: Matrix: Sampled:	S-1	S-1	S-2	S-2	S-3	DUP (S-3)	S-3	S-4	S-4
			480-114997-5	480-125448-9	480-114997-6	480-125448-10	480-114997-7	480-114997-8	480-125448-2	480-114997-4	480-125448-1
			NM	NM	NM	NM	NM	NM	NM	NM	NM
			TA	TA	TA	TA	TA	TA	TA	TA	TA
			480-114997	480-125448	480-114997	480-125448	480-114997	480-114997	480-125448	480-114997	480-125448
COMPOUND		UNITS:	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
			3/23/2017	10/6/2017	3/23/2017	10/6/2017	3/23/2017	3/23/2017	10/4/2017	3/23/2017	10/4/2017
Benzo[b]fluoranthene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[g,h,i]perylene	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[k]fluoranthene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroethoxy)methane	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroethyl)ether	1	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroisopropyl) ether	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-ethylhexyl) phthalate	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butyl benzyl phthalate	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	NS	(µg/L)	ND	ND (*)	ND	ND (*)	0.42 (J)	0.45 (J)	ND (*)	ND	ND (*)
Chrysene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenz[a,h]anthracene	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethyl phthalate	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	0.28 (J)
Dimethyl phthalate	50 (G)	(µg/L)	ND	ND (*)	ND	ND (*)	ND	ND	ND (*)	ND	1.4 (J *)
Di-n-butyl phthalate	50	(µg/L)	0.34 (J)	0.46 (J)	ND	0.48 (J)	ND	ND	ND	0.45 (J)	0.37 (J)
Di-n-octyl phthalate	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	50	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	50 (G)	(µg/L)	ND	0.59 (J)	ND	ND	0.56 (J)	0.55 (J)	0.67 (J)	ND	ND
Hexachlorobenzene	0.04	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	0.5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isophorone	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	10 (G)	(µg/L)	ND	6.4	ND	ND	2.4 (J)	2.4 (J)	4.9 (J)	ND	ND
Nitrobenzene	0.4	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodi-n-propylamine	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	50 (G)	(µg/L)	ND	0.61 (J)	ND	0.57 (J)	0.81 (J)	0.57 (J)	0.78 (J)	ND	ND
Phenol	1	(µg/L)	ND	ND	ND	0.51 (J)	ND	ND	ND	ND	ND
Pyrene	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND

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

ND = 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.

(*) = LCS or LCSD is outside acceptance limits. ISTD Response or retention time outside acceptable limits.

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2017 Analytical Data Sump Samples Pesticides and Polychlorinated Biphenyls

Cherry Farm/River Road March & October 2017 Sump Sampling EPA Method 8081B EPA Method 8082A	NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID:	S-1	S-1	S-2	S-2	S-3	DUP (S-3)	S-3	S-4	S-4
Lab Sample ID:		480-114997-5	480-125448-9	480-114997-6	480-125448-10	480-114997-7	480-114997-8	480-125448-2	480-114997-4	480-125448-1	
Depth:		NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Source:		TA	TA	TA	TA	TA	TA	TA	TA	TA	TA
SDG:		480-114997	480-125448	480-114997	480-125448	480-114997	480-114997	480-125448	480-114997	480-125448	
Matrix:		WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	
Sampled:		3/23/2017	10/6/2017	3/23/2017	10/6/2017	3/23/2017	3/23/2017	10/4/2017	3/23/2017	10/4/2017	
COMPOUND		UNITS:									
PESTICIDES											
4,4'-DDD	0.3	(µg/L)	ND	ND	ND	ND	ND	ND	ND	0.011 (J)	ND
4,4'-DDE	0.2	(µg/L)	0.020 (J)	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDT	0.2	(µg/L)	ND	ND	ND	0.014 (J)	ND	ND	ND	ND	ND
Aldrin	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
alpha-BHC	0.01	(µg/L)	ND	ND	ND	ND	ND	ND	ND	0.0097 (J)	ND
alpha-Chlordane	0.05	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
beta-BHC	0.04	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
delta-BHC	0.04	(µg/L)	0.012 (J)	ND	ND	ND	ND	ND	ND	0.021 (J)	ND
Dieldrin	0.004	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan I	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	0.043 (J)	ND
Endosulfan II	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	0.10	ND
Endosulfan sulfate	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin aldehyde	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin ketone	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-BHC (Lindane)	0.05	(µg/L)	ND	ND	ND	0.011 (J)	ND	ND	ND	ND	0.028 (J)
gamma-Chlordane	0.05	(µg/L)	ND	ND	ND	ND	ND	ND	ND	0.011 (J)	ND
Heptachlor	0.04	(µg/L)	ND	ND	ND	ND	ND	ND	ND	0.049 (J)	ND
Heptachlor epoxide	0.03	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methoxychlor	35	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toxaphene	0.06	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCBs											
Aroclor 1016	Sum of all PCBs is <0.09	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1221		(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1232		(µg/L)	ND	ND	ND	ND	ND	ND	ND	4.4	ND
Aroclor 1242		(µg/L)	ND	ND	ND	ND	0.61	0.36 (J)	0.46 (J)	ND	0.73
Aroclor 1248		(µg/L)	ND	0.49 (J)	0.24 (J)	0.19 (J)	ND	ND	ND	ND	ND
Aroclor 1254		(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260		(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND

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

ND = 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

2017 Analytical Data Sump Samples Inorganics

Cherry Farm/River Road March & October 2017 Sump Sampling EPA Method 6010C	NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID:	S-1	S-1	S-2	S-2	S-3	DUP (S-3)	S-3	S-4	S-4
		Lab Sample ID:	480-114997-5	480-125448-9	480-114997-6	480-125448-10	480-114997-7	480-114997-8	480-125448-2	480-114997-4	480-125448-1
		Depth:	NM	NM	NM	NM	NM	NM	NM	NM	NM
		Source:	TA	TA	TA	TA	TA	TA	TA	TA	TA
		SDG:	480-114997	480-125448	480-114997	480-125448	480-114997	480-114997	480-125448	480-114997	480-125448
		Matrix:	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
		Sampled:	3/23/2017	10/6/2017	3/23/2017	10/6/2017	3/23/2017	3/23/2017	10/4/2017	3/23/2017	10/4/2017
COMPOUND		UNITS:									
INORGANICS											
Aluminum		(µg/L)	97 (J)	410	180 (J)	320	410	420	400	ND	ND
Antimony	3	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	25	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Barium	1,000	(µg/L)	10	44	53	71	47	45	44	85	110
Beryllium	3 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Calcium	NS	(µg/L)	35,000	74,800	71,300	111,000	76,500	74,900	74,500	201,000	445,000
Chromium	50	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	3.5 (J)
Cobalt	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	5.8
Copper	200	(µg/L)	1.9 (J)	ND	2.3 (J)	ND	4.4 (J)	1.7 (J)	ND	4.8 (J)	22
Iron	300	(µg/L)	97	36 (J)	ND	ND	40 (J)	34 (J)	32 (J)	370	7,800
Lead	25	(µg/L)	ND	ND	3.8 (J)	ND	3.8 (J)	ND	3.3 (J)	3.8 (J)	3.4 (J)
Magnesium	35,000 (G)	(µg/L)	14,300	61 (J)	ND	ND	160 (J)	160 (J)	81 (J)	6,900	16,900
Manganese	300	(µg/L)	3.0	ND	ND	ND	ND	ND	ND	86	1,600 (B)
Mercury	0.7	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	100	(µg/L)	ND	1.4 (J)	ND	ND	ND	ND	1.3 (J)	16	310
Potassium	NS	(µg/L)	2,400	59,400	28,900	35,200	54,800	55,100	59,500	87,200	91,600
Selenium	10	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	50	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	20,000	(µg/L)	3,200	112,000	42,700	53,100	99,800	100,000	112,000	101,000	115,000
Thallium	0.5 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	NS	(µg/L)	ND	7.0	12	4.7 (J)	22	20	7.2	1.6 (J)	1.7 (J)
Zinc	2,000 (G)	(µg/L)	8.1 (J B)	2.4 (J)	2.4 (J B)	1.8 (J)	2.6 (J B)	2.3 (J B)	1.8 (J)	110 (B)	43
Cyanide	200	(µg/L)	7.5 (J)	24	12	10	39	65	30	31	33

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

ND = 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 – March and October 2017 Laboratory Analytical Data Packages

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: 480-114997-1

Client Project/Site: Cherry Farms Annual GW Sample

For:

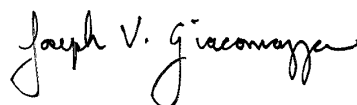
Groundwater & Environmental Services Inc

495 Aero Drive

Suite 3

Cheektowaga, New York 14225

Attn: Thomas Palmer



Authorized for release by:

4/5/2017 3:07:51 PM

Joe Giacomazza, Project Management Assistant II

joe.giacomazza@testamericainc.com

Designee for

Orlette Johnson, Senior Project Manager

(484)685-0864

orlette.johnson@testamericainc.com

LINKS

Review your project
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Have a Question?



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www.testamericainc.com

The test results in this report meet all 2003 NELAP 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: 480-114997-1

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
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F2	MS/MSD RPD exceeds control limits
X	Surrogate is outside control limits
E	Result exceeded calibration range.

GC Semi VOA

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

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

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

Case Narrative

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

TestAmerica Job ID: 480-114997-1

Job ID: 480-114997-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-114997-1

Receipt

The samples were received on 3/23/2017 3:30 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 4 coolers at receipt time were 2.5° C, 2.7° C, 3.0° C and 3.1° C.

GC/MS VOA

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC/MS Semi VOA

Method(s) 8270D: The continuing calibration verification (CCV) associated with batch 480-349308 recovered above the upper control limit for Hexachlorocyclopentadiene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: MW-4 (480-114997-1), MW-5 (480-114997-2), MW-6 (480-114997-3), S-4 (480-114997-4), S-1 (480-114997-5), S-2 (480-114997-6), S-3 (480-114997-7), DUP (480-114997-8), RW-4 (480-114997-9) and RW-5 (480-114997-10).

Method(s) 8270D: Due to an increase in the spiking concentration required for other analytes of interest, the following compounds have been elevated to a level above the upper range of the initial calibration: 3,3'-Dichlorobenzidine. The laboratory control sample (LCS) and/or laboratory control sample duplicate (LCSD) recovered within acceptable limits for these analytes and have been qualified with an "E" flag. (LCS 480-348780/2-A)

Method(s) 8270D: Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following samples contained an allowable number of surrogate compounds outside limits: S-4 (480-114997-4), S-3 (480-114997-7), DUP (480-114997-8) and RW-4 (480-114997-9). These results have been reported and qualified.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA

Method(s) 8082A: Surrogate recovery for the following samples was outside control limits: S-4 (480-114997-4). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep

Method(s) 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 480-348826.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

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

TestAmerica Job ID: 480-114997-1

Client Sample ID: MW-4

Lab Sample ID: 480-114997-1

No Detections.

Client Sample ID: MW-5

Lab Sample ID: 480-114997-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	15		1.0	0.41	ug/L	1		8260C	Total/NA

Client Sample ID: MW-6

Lab Sample ID: 480-114997-3

No Detections.

Client Sample ID: S-4

Lab Sample ID: 480-114997-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	1.2		1.0	0.38	ug/L	1		8260C	Total/NA
1,2-Dichloroethene, Total	2.1		2.0	0.81	ug/L	1		8260C	Total/NA
Acetone	3.0	J	10	3.0	ug/L	1		8260C	Total/NA
Trichloroethene	0.46	J	1.0	0.46	ug/L	1		8260C	Total/NA
2-Methylphenol	0.87	J	5.0	0.40	ug/L	1		8270D	Total/NA
Di-n-butyl phthalate	0.45	J	5.0	0.31	ug/L	1		8270D	Total/NA
4,4'-DDD	0.011	J	0.050	0.0092	ug/L	1		8081B	Total/NA
alpha-BHC	0.0097	J	0.050	0.0077	ug/L	1		8081B	Total/NA
delta-BHC	0.021	J	0.050	0.010	ug/L	1		8081B	Total/NA
Endosulfan I	0.043	J	0.050	0.011	ug/L	1		8081B	Total/NA
Endosulfan II	0.10		0.050	0.012	ug/L	1		8081B	Total/NA
gamma-Chlordane	0.011	J	0.050	0.011	ug/L	1		8081B	Total/NA
Heptachlor	0.049	J	0.050	0.0085	ug/L	1		8081B	Total/NA
PCB-1232	4.4		0.50	0.18	ug/L	1		8082A	Total/NA
Barium	0.085		0.0020	0.00070	mg/L	1		6010C	Total/NA
Calcium	201		0.50	0.10	mg/L	1		6010C	Total/NA
Copper	0.0048	J	0.010	0.0016	mg/L	1		6010C	Total/NA
Iron	0.37		0.050	0.019	mg/L	1		6010C	Total/NA
Lead	0.0038	J	0.0050	0.0030	mg/L	1		6010C	Total/NA
Magnesium	6.9		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	0.086		0.0030	0.00040	mg/L	1		6010C	Total/NA
Nickel	0.016		0.010	0.0013	mg/L	1		6010C	Total/NA
Potassium	87.2		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	101		1.0	0.32	mg/L	1		6010C	Total/NA
Vanadium	0.0016	J	0.0050	0.0015	mg/L	1		6010C	Total/NA
Zinc	0.11	B	0.010	0.0015	mg/L	1		6010C	Total/NA
Cyanide, Total	0.031		0.010	0.0050	mg/L	1		9012B	Total/NA

Client Sample ID: S-1

Lab Sample ID: 480-114997-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Di-n-butyl phthalate	0.34	J	5.0	0.31	ug/L	1		8270D	Total/NA
4,4'-DDE	0.020	J	0.050	0.012	ug/L	1		8081B	Total/NA
delta-BHC	0.012	J	0.050	0.010	ug/L	1		8081B	Total/NA
Aluminum	0.097	J	0.20	0.060	mg/L	1		6010C	Total/NA
Barium	0.010		0.0020	0.00070	mg/L	1		6010C	Total/NA
Calcium	35.0		0.50	0.10	mg/L	1		6010C	Total/NA
Copper	0.0019	J	0.010	0.0016	mg/L	1		6010C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

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

TestAmerica Job ID: 480-114997-1

Client Sample ID: S-1 (Continued)

Lab Sample ID: 480-114997-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	0.097		0.050	0.019	mg/L	1		6010C	Total/NA
Magnesium	14.3		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	0.0030		0.0030	0.00040	mg/L	1		6010C	Total/NA
Potassium	2.4		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	3.2		1.0	0.32	mg/L	1		6010C	Total/NA
Zinc	0.0081	J B	0.010	0.0015	mg/L	1		6010C	Total/NA
Cyanide, Total	0.0075	J	0.010	0.0050	mg/L	1		9012B	Total/NA

Client Sample ID: S-2

Lab Sample ID: 480-114997-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichloroethene, Total	8.2		2.0	0.81	ug/L	1		8260C	Total/NA
Trichloroethene	1.7		1.0	0.46	ug/L	1		8260C	Total/NA
Vinyl chloride	1.3		1.0	0.90	ug/L	1		8260C	Total/NA
PCB-1248	0.24	J	0.50	0.18	ug/L	1		8082A	Total/NA
Aluminum	0.18	J	0.20	0.060	mg/L	1		6010C	Total/NA
Barium	0.053		0.0020	0.00070	mg/L	1		6010C	Total/NA
Calcium	71.3		0.50	0.10	mg/L	1		6010C	Total/NA
Copper	0.0023	J	0.010	0.0016	mg/L	1		6010C	Total/NA
Lead	0.0038	J	0.0050	0.0030	mg/L	1		6010C	Total/NA
Potassium	28.9		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	42.7		1.0	0.32	mg/L	1		6010C	Total/NA
Vanadium	0.012		0.0050	0.0015	mg/L	1		6010C	Total/NA
Zinc	0.0024	J B	0.010	0.0015	mg/L	1		6010C	Total/NA
Cyanide, Total	0.012		0.010	0.0050	mg/L	1		9012B	Total/NA

Client Sample ID: S-3

Lab Sample ID: 480-114997-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	1.5		1.0	0.38	ug/L	1		8260C	Total/NA
1,2-Dichloroethene, Total	1.1	J	2.0	0.81	ug/L	1		8260C	Total/NA
Toluene	0.53	J	1.0	0.51	ug/L	1		8260C	Total/NA
Xylenes, Total	0.66	J	2.0	0.66	ug/L	1		8260C	Total/NA
2,4,5-Trichlorophenol	0.81	J	5.0	0.48	ug/L	1		8270D	Total/NA
2,4-Dimethylphenol	14		5.0	0.50	ug/L	1		8270D	Total/NA
2-Methylphenol	11		5.0	0.40	ug/L	1		8270D	Total/NA
4-Methylphenol	22		10	0.36	ug/L	1		8270D	Total/NA
Acenaphthene	0.62	J	5.0	0.41	ug/L	1		8270D	Total/NA
Acenaphthylene	0.39	J	5.0	0.38	ug/L	1		8270D	Total/NA
Carbazole	0.42	J	5.0	0.30	ug/L	1		8270D	Total/NA
Fluorene	0.56	J	5.0	0.36	ug/L	1		8270D	Total/NA
Naphthalene	2.4	J	5.0	0.76	ug/L	1		8270D	Total/NA
Phenanthrene	0.81	J	5.0	0.44	ug/L	1		8270D	Total/NA
PCB-1242	0.61		0.50	0.18	ug/L	1		8082A	Total/NA
Aluminum	0.41		0.20	0.060	mg/L	1		6010C	Total/NA
Barium	0.047		0.0020	0.00070	mg/L	1		6010C	Total/NA
Calcium	76.5		0.50	0.10	mg/L	1		6010C	Total/NA
Copper	0.0044	J	0.010	0.0016	mg/L	1		6010C	Total/NA
Iron	0.040	J	0.050	0.019	mg/L	1		6010C	Total/NA
Lead	0.0038	J	0.0050	0.0030	mg/L	1		6010C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

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

TestAmerica Job ID: 480-114997-1

Client Sample ID: S-3 (Continued)

Lab Sample ID: 480-114997-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Magnesium	0.16	J	0.20	0.043	mg/L	1		6010C	Total/NA
Potassium	54.8		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	99.8		1.0	0.32	mg/L	1		6010C	Total/NA
Vanadium	0.022		0.0050	0.0015	mg/L	1		6010C	Total/NA
Zinc	0.0026	J B	0.010	0.0015	mg/L	1		6010C	Total/NA
Cyanide, Total	0.039		0.010	0.0050	mg/L	1		9012B	Total/NA

Client Sample ID: DUP

Lab Sample ID: 480-114997-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	1.8		1.0	0.38	ug/L	1		8260C	Total/NA
1,2-Dichloroethene, Total	1.3	J	2.0	0.81	ug/L	1		8260C	Total/NA
Tetrachloroethene	0.54	J	1.0	0.36	ug/L	1		8260C	Total/NA
Xylenes, Total	0.72	J	2.0	0.66	ug/L	1		8260C	Total/NA
2,4,5-Trichlorophenol	0.89	J	5.0	0.48	ug/L	1		8270D	Total/NA
2,4-Dimethylphenol	14		5.0	0.50	ug/L	1		8270D	Total/NA
2-Methylphenol	12		5.0	0.40	ug/L	1		8270D	Total/NA
4-Methylphenol	23		10	0.36	ug/L	1		8270D	Total/NA
Acenaphthene	0.69	J	5.0	0.41	ug/L	1		8270D	Total/NA
Carbazole	0.45	J	5.0	0.30	ug/L	1		8270D	Total/NA
Fluorene	0.55	J	5.0	0.36	ug/L	1		8270D	Total/NA
Naphthalene	2.4	J	5.0	0.76	ug/L	1		8270D	Total/NA
Phenanthrene	0.57	J	5.0	0.44	ug/L	1		8270D	Total/NA
PCB-1242	0.36	J	0.50	0.18	ug/L	1		8082A	Total/NA
Aluminum	0.42		0.20	0.060	mg/L	1		6010C	Total/NA
Barium	0.045		0.0020	0.00070	mg/L	1		6010C	Total/NA
Calcium	74.9		0.50	0.10	mg/L	1		6010C	Total/NA
Copper	0.0017	J	0.010	0.0016	mg/L	1		6010C	Total/NA
Iron	0.034	J	0.050	0.019	mg/L	1		6010C	Total/NA
Magnesium	0.16	J	0.20	0.043	mg/L	1		6010C	Total/NA
Potassium	55.1		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	100		1.0	0.32	mg/L	1		6010C	Total/NA
Vanadium	0.020		0.0050	0.0015	mg/L	1		6010C	Total/NA
Zinc	0.0023	J B	0.010	0.0015	mg/L	1		6010C	Total/NA
Cyanide, Total	0.065		0.010	0.0050	mg/L	1		9012B	Total/NA

Client Sample ID: RW-4

Lab Sample ID: 480-114997-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	1.7		1.0	0.74	ug/L	1		8260C	Total/NA
Acenaphthene	0.49	J	5.0	0.41	ug/L	1		8270D	Total/NA
Di-n-butyl phthalate	0.39	J	5.0	0.31	ug/L	1		8270D	Total/NA
Diethyl phthalate	0.70	J	5.0	0.22	ug/L	1		8270D	Total/NA

Client Sample ID: RW-5

Lab Sample ID: 480-114997-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Di-n-butyl phthalate	0.31	J	5.0	0.31	ug/L	1		8270D	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-114997-1

Client Sample ID: MW-4

Lab Sample ID: 480-114997-1

Date Collected: 03/22/17 14:00

Matrix: Water

Date Received: 03/23/17 15:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/24/17 02:22	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/24/17 02:22	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/24/17 02:22	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/24/17 02:22	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/24/17 02:22	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/24/17 02:22	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			03/24/17 02:22	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/24/17 02:22	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/24/17 02:22	1
2-Hexanone	ND		5.0	1.2	ug/L			03/24/17 02:22	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/24/17 02:22	1
Acetone	ND		10	3.0	ug/L			03/24/17 02:22	1
Benzene	ND		1.0	0.41	ug/L			03/24/17 02:22	1
Bromoform	ND		1.0	0.26	ug/L			03/24/17 02:22	1
Bromomethane	ND		1.0	0.69	ug/L			03/24/17 02:22	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/24/17 02:22	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/24/17 02:22	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/24/17 02:22	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/24/17 02:22	1
Chloroethane	ND		1.0	0.32	ug/L			03/24/17 02:22	1
Chloroform	ND		1.0	0.34	ug/L			03/24/17 02:22	1
Chloromethane	ND		1.0	0.35	ug/L			03/24/17 02:22	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/24/17 02:22	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/24/17 02:22	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/24/17 02:22	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/24/17 02:22	1
Toluene	ND		1.0	0.51	ug/L			03/24/17 02:22	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/24/17 02:22	1
Trichloroethene	ND		1.0	0.46	ug/L			03/24/17 02:22	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/24/17 02:22	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/24/17 02:22	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/24/17 02:22	1
Styrene	ND		1.0	0.73	ug/L			03/24/17 02:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		77 - 120		03/24/17 02:22	1
4-Bromofluorobenzene (Surr)	110		73 - 120		03/24/17 02:22	1
Toluene-d8 (Surr)	104		80 - 120		03/24/17 02:22	1
Dibromofluoromethane (Surr)	102		75 - 123		03/24/17 02:22	1

Method: 8270D - 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		03/24/17 14:17	03/29/17 16:45	1
1,2,4-Trichlorobenzene	ND		10	0.44	ug/L		03/24/17 14:17	03/29/17 16:45	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		03/24/17 14:17	03/29/17 16:45	1
1,2-Dichlorobenzene	ND		10	0.40	ug/L		03/24/17 14:17	03/29/17 16:45	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		03/24/17 14:17	03/29/17 16:45	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		03/24/17 14:17	03/29/17 16:45	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		03/24/17 14:17	03/29/17 16:45	1
1,3-Dichlorobenzene	ND		10	0.48	ug/L		03/24/17 14:17	03/29/17 16:45	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-114997-1

Client Sample ID: MW-4

Lab Sample ID: 480-114997-1

Date Collected: 03/22/17 14:00

Matrix: Water

Date Received: 03/23/17 15:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrophenol	ND		10	2.2	ug/L		03/24/17 14:17	03/29/17 16:45	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		03/24/17 14:17	03/29/17 16:45	1
1,4-Dichlorobenzene	ND		10	0.46	ug/L		03/24/17 14:17	03/29/17 16:45	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		03/24/17 14:17	03/29/17 16:45	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		03/24/17 14:17	03/29/17 16:45	1
2-Chlorophenol	ND		5.0	0.53	ug/L		03/24/17 14:17	03/29/17 16:45	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		03/24/17 14:17	03/29/17 16:45	1
2-Methylphenol	ND		5.0	0.40	ug/L		03/24/17 14:17	03/29/17 16:45	1
2-Nitroaniline	ND		10	0.42	ug/L		03/24/17 14:17	03/29/17 16:45	1
2-Nitrophenol	ND		5.0	0.48	ug/L		03/24/17 14:17	03/29/17 16:45	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		03/24/17 14:17	03/29/17 16:45	1
3-Nitroaniline	ND		10	0.48	ug/L		03/24/17 14:17	03/29/17 16:45	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		03/24/17 14:17	03/29/17 16:45	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		03/24/17 14:17	03/29/17 16:45	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		03/24/17 14:17	03/29/17 16:45	1
4-Chloroaniline	ND		5.0	0.59	ug/L		03/24/17 14:17	03/29/17 16:45	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		03/24/17 14:17	03/29/17 16:45	1
4-Methylphenol	ND		10	0.36	ug/L		03/24/17 14:17	03/29/17 16:45	1
4-Nitroaniline	ND		10	0.25	ug/L		03/24/17 14:17	03/29/17 16:45	1
4-Nitrophenol	ND		10	1.5	ug/L		03/24/17 14:17	03/29/17 16:45	1
Acenaphthene	ND		5.0	0.41	ug/L		03/24/17 14:17	03/29/17 16:45	1
Acenaphthylene	ND		5.0	0.38	ug/L		03/24/17 14:17	03/29/17 16:45	1
Anthracene	ND		5.0	0.28	ug/L		03/24/17 14:17	03/29/17 16:45	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		03/24/17 14:17	03/29/17 16:45	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		03/24/17 14:17	03/29/17 16:45	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		03/24/17 14:17	03/29/17 16:45	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		03/24/17 14:17	03/29/17 16:45	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		03/24/17 14:17	03/29/17 16:45	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		03/24/17 14:17	03/29/17 16:45	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		03/24/17 14:17	03/29/17 16:45	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		03/24/17 14:17	03/29/17 16:45	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		03/24/17 14:17	03/29/17 16:45	1
Carbazole	ND		5.0	0.30	ug/L		03/24/17 14:17	03/29/17 16:45	1
Chrysene	ND		5.0	0.33	ug/L		03/24/17 14:17	03/29/17 16:45	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		03/24/17 14:17	03/29/17 16:45	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		03/24/17 14:17	03/29/17 16:45	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		03/24/17 14:17	03/29/17 16:45	1
Dibenzofuran	ND		10	0.51	ug/L		03/24/17 14:17	03/29/17 16:45	1
Diethyl phthalate	ND		5.0	0.22	ug/L		03/24/17 14:17	03/29/17 16:45	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		03/24/17 14:17	03/29/17 16:45	1
Fluoranthene	ND		5.0	0.40	ug/L		03/24/17 14:17	03/29/17 16:45	1
Fluorene	ND		5.0	0.36	ug/L		03/24/17 14:17	03/29/17 16:45	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		03/24/17 14:17	03/29/17 16:45	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		03/24/17 14:17	03/29/17 16:45	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		03/24/17 14:17	03/29/17 16:45	1
Hexachloroethane	ND		5.0	0.59	ug/L		03/24/17 14:17	03/29/17 16:45	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		03/24/17 14:17	03/29/17 16:45	1
Isophorone	ND		5.0	0.43	ug/L		03/24/17 14:17	03/29/17 16:45	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		03/24/17 14:17	03/29/17 16:45	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-114997-1

Client Sample ID: MW-4

Lab Sample ID: 480-114997-1

Date Collected: 03/22/17 14:00

Matrix: Water

Date Received: 03/23/17 15:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		03/24/17 14:17	03/29/17 16:45	1
Naphthalene	ND		5.0	0.76	ug/L		03/24/17 14:17	03/29/17 16:45	1
Nitrobenzene	ND		5.0	0.29	ug/L		03/24/17 14:17	03/29/17 16:45	1
Pentachlorophenol	ND		10	2.2	ug/L		03/24/17 14:17	03/29/17 16:45	1
Phenanthrene	ND		5.0	0.44	ug/L		03/24/17 14:17	03/29/17 16:45	1
Phenol	ND		5.0	0.39	ug/L		03/24/17 14:17	03/29/17 16:45	1
Pyrene	ND		5.0	0.34	ug/L		03/24/17 14:17	03/29/17 16:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	120		41 - 120	03/24/17 14:17	03/29/17 16:45	1
2-Fluorobiphenyl	90		48 - 120	03/24/17 14:17	03/29/17 16:45	1
2-Fluorophenol	71		35 - 120	03/24/17 14:17	03/29/17 16:45	1
Nitrobenzene-d5	101		46 - 120	03/24/17 14:17	03/29/17 16:45	1
p-Terphenyl-d14	88		59 - 136	03/24/17 14:17	03/29/17 16:45	1
Phenol-d5	50		22 - 120	03/24/17 14:17	03/29/17 16:45	1

Method: 8082A - 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		03/25/17 07:29	03/27/17 16:27	1
PCB-1221	ND		0.50	0.18	ug/L		03/25/17 07:29	03/27/17 16:27	1
PCB-1232	ND		0.50	0.18	ug/L		03/25/17 07:29	03/27/17 16:27	1
PCB-1242	ND		0.50	0.18	ug/L		03/25/17 07:29	03/27/17 16:27	1
PCB-1248	ND		0.50	0.18	ug/L		03/25/17 07:29	03/27/17 16:27	1
PCB-1254	ND		0.50	0.25	ug/L		03/25/17 07:29	03/27/17 16:27	1
PCB-1260	ND		0.50	0.25	ug/L		03/25/17 07:29	03/27/17 16:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	72		19 - 120	03/25/17 07:29	03/27/17 16:27	1
Tetrachloro-m-xylene	104		39 - 121	03/25/17 07:29	03/27/17 16:27	1

Client Sample ID: MW-5

Lab Sample ID: 480-114997-2

Date Collected: 03/22/17 14:30

Matrix: Water

Date Received: 03/23/17 15:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/24/17 02:46	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/24/17 02:46	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/24/17 02:46	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/24/17 02:46	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/24/17 02:46	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/24/17 02:46	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			03/24/17 02:46	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/24/17 02:46	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/24/17 02:46	1
2-Hexanone	ND		5.0	1.2	ug/L			03/24/17 02:46	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/24/17 02:46	1
Acetone	ND		10	3.0	ug/L			03/24/17 02:46	1
Benzene	15		1.0	0.41	ug/L			03/24/17 02:46	1
Bromoform	ND		1.0	0.26	ug/L			03/24/17 02:46	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-114997-1

Client Sample ID: MW-5

Lab Sample ID: 480-114997-2

Date Collected: 03/22/17 14:30

Matrix: Water

Date Received: 03/23/17 15:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	ND		1.0	0.69	ug/L			03/24/17 02:46	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/24/17 02:46	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/24/17 02:46	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/24/17 02:46	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/24/17 02:46	1
Chloroethane	ND		1.0	0.32	ug/L			03/24/17 02:46	1
Chloroform	ND		1.0	0.34	ug/L			03/24/17 02:46	1
Chloromethane	ND		1.0	0.35	ug/L			03/24/17 02:46	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/24/17 02:46	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/24/17 02:46	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/24/17 02:46	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/24/17 02:46	1
Toluene	ND		1.0	0.51	ug/L			03/24/17 02:46	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/24/17 02:46	1
Trichloroethene	ND		1.0	0.46	ug/L			03/24/17 02:46	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/24/17 02:46	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/24/17 02:46	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/24/17 02:46	1
Styrene	ND		1.0	0.73	ug/L			03/24/17 02:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		77 - 120		03/24/17 02:46	1
4-Bromofluorobenzene (Surr)	104		73 - 120		03/24/17 02:46	1
Toluene-d8 (Surr)	102		80 - 120		03/24/17 02:46	1
Dibromofluoromethane (Surr)	106		75 - 123		03/24/17 02:46	1

Method: 8270D - 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		03/24/17 14:17	03/29/17 17:12	1
1,2,4-Trichlorobenzene	ND		10	0.44	ug/L		03/24/17 14:17	03/29/17 17:12	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		03/24/17 14:17	03/29/17 17:12	1
1,2-Dichlorobenzene	ND		10	0.40	ug/L		03/24/17 14:17	03/29/17 17:12	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		03/24/17 14:17	03/29/17 17:12	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		03/24/17 14:17	03/29/17 17:12	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		03/24/17 14:17	03/29/17 17:12	1
1,3-Dichlorobenzene	ND		10	0.48	ug/L		03/24/17 14:17	03/29/17 17:12	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		03/24/17 14:17	03/29/17 17:12	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		03/24/17 14:17	03/29/17 17:12	1
1,4-Dichlorobenzene	ND		10	0.46	ug/L		03/24/17 14:17	03/29/17 17:12	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		03/24/17 14:17	03/29/17 17:12	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		03/24/17 14:17	03/29/17 17:12	1
2-Chlorophenol	ND		5.0	0.53	ug/L		03/24/17 14:17	03/29/17 17:12	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		03/24/17 14:17	03/29/17 17:12	1
2-Methylphenol	ND		5.0	0.40	ug/L		03/24/17 14:17	03/29/17 17:12	1
2-Nitroaniline	ND		10	0.42	ug/L		03/24/17 14:17	03/29/17 17:12	1
2-Nitrophenol	ND		5.0	0.48	ug/L		03/24/17 14:17	03/29/17 17:12	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		03/24/17 14:17	03/29/17 17:12	1
3-Nitroaniline	ND		10	0.48	ug/L		03/24/17 14:17	03/29/17 17:12	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		03/24/17 14:17	03/29/17 17:12	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		03/24/17 14:17	03/29/17 17:12	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-114997-1

Client Sample ID: MW-5

Lab Sample ID: 480-114997-2

Date Collected: 03/22/17 14:30

Matrix: Water

Date Received: 03/23/17 15:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		03/24/17 14:17	03/29/17 17:12	1
4-Chloroaniline	ND		5.0	0.59	ug/L		03/24/17 14:17	03/29/17 17:12	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		03/24/17 14:17	03/29/17 17:12	1
4-Methylphenol	ND		10	0.36	ug/L		03/24/17 14:17	03/29/17 17:12	1
4-Nitroaniline	ND		10	0.25	ug/L		03/24/17 14:17	03/29/17 17:12	1
4-Nitrophenol	ND		10	1.5	ug/L		03/24/17 14:17	03/29/17 17:12	1
Acenaphthene	ND		5.0	0.41	ug/L		03/24/17 14:17	03/29/17 17:12	1
Acenaphthylene	ND		5.0	0.38	ug/L		03/24/17 14:17	03/29/17 17:12	1
Anthracene	ND		5.0	0.28	ug/L		03/24/17 14:17	03/29/17 17:12	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		03/24/17 14:17	03/29/17 17:12	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		03/24/17 14:17	03/29/17 17:12	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		03/24/17 14:17	03/29/17 17:12	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		03/24/17 14:17	03/29/17 17:12	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		03/24/17 14:17	03/29/17 17:12	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		03/24/17 14:17	03/29/17 17:12	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		03/24/17 14:17	03/29/17 17:12	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		03/24/17 14:17	03/29/17 17:12	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		03/24/17 14:17	03/29/17 17:12	1
Carbazole	ND		5.0	0.30	ug/L		03/24/17 14:17	03/29/17 17:12	1
Chrysene	ND		5.0	0.33	ug/L		03/24/17 14:17	03/29/17 17:12	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		03/24/17 14:17	03/29/17 17:12	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		03/24/17 14:17	03/29/17 17:12	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		03/24/17 14:17	03/29/17 17:12	1
Dibenzofuran	ND		10	0.51	ug/L		03/24/17 14:17	03/29/17 17:12	1
Diethyl phthalate	ND		5.0	0.22	ug/L		03/24/17 14:17	03/29/17 17:12	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		03/24/17 14:17	03/29/17 17:12	1
Fluoranthene	ND		5.0	0.40	ug/L		03/24/17 14:17	03/29/17 17:12	1
Fluorene	ND		5.0	0.36	ug/L		03/24/17 14:17	03/29/17 17:12	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		03/24/17 14:17	03/29/17 17:12	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		03/24/17 14:17	03/29/17 17:12	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		03/24/17 14:17	03/29/17 17:12	1
Hexachloroethane	ND		5.0	0.59	ug/L		03/24/17 14:17	03/29/17 17:12	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		03/24/17 14:17	03/29/17 17:12	1
Isophorone	ND		5.0	0.43	ug/L		03/24/17 14:17	03/29/17 17:12	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		03/24/17 14:17	03/29/17 17:12	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		03/24/17 14:17	03/29/17 17:12	1
Naphthalene	ND		5.0	0.76	ug/L		03/24/17 14:17	03/29/17 17:12	1
Nitrobenzene	ND		5.0	0.29	ug/L		03/24/17 14:17	03/29/17 17:12	1
Pentachlorophenol	ND		10	2.2	ug/L		03/24/17 14:17	03/29/17 17:12	1
Phenanthrene	ND		5.0	0.44	ug/L		03/24/17 14:17	03/29/17 17:12	1
Phenol	ND		5.0	0.39	ug/L		03/24/17 14:17	03/29/17 17:12	1
Pyrene	ND		5.0	0.34	ug/L		03/24/17 14:17	03/29/17 17:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	71		41 - 120				03/24/17 14:17	03/29/17 17:12	1
2-Fluorobiphenyl	87		48 - 120				03/24/17 14:17	03/29/17 17:12	1
2-Fluorophenol	48		35 - 120				03/24/17 14:17	03/29/17 17:12	1
Nitrobenzene-d5	98		46 - 120				03/24/17 14:17	03/29/17 17:12	1
p-Terphenyl-d14	84		59 - 136				03/24/17 14:17	03/29/17 17:12	1
Phenol-d5	34		22 - 120				03/24/17 14:17	03/29/17 17:12	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-114997-1

Method: 8082A - 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		03/25/17 07:29	03/27/17 16:43	1
PCB-1221	ND		0.50	0.18	ug/L		03/25/17 07:29	03/27/17 16:43	1
PCB-1232	ND		0.50	0.18	ug/L		03/25/17 07:29	03/27/17 16:43	1
PCB-1242	ND		0.50	0.18	ug/L		03/25/17 07:29	03/27/17 16:43	1
PCB-1248	ND		0.50	0.18	ug/L		03/25/17 07:29	03/27/17 16:43	1
PCB-1254	ND		0.50	0.25	ug/L		03/25/17 07:29	03/27/17 16:43	1
PCB-1260	ND		0.50	0.25	ug/L		03/25/17 07:29	03/27/17 16:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	62		19 - 120				03/25/17 07:29	03/27/17 16:43	1
Tetrachloro-m-xylene	94		39 - 121				03/25/17 07:29	03/27/17 16:43	1

Client Sample ID: MW-6

Lab Sample ID: 480-114997-3

Date Collected: 03/22/17 15:00

Matrix: Water

Date Received: 03/23/17 15:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/24/17 03:09	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/24/17 03:09	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/24/17 03:09	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/24/17 03:09	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/24/17 03:09	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/24/17 03:09	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			03/24/17 03:09	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/24/17 03:09	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/24/17 03:09	1
2-Hexanone	ND		5.0	1.2	ug/L			03/24/17 03:09	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/24/17 03:09	1
Acetone	ND		10	3.0	ug/L			03/24/17 03:09	1
Benzene	ND		1.0	0.41	ug/L			03/24/17 03:09	1
Bromoform	ND		1.0	0.26	ug/L			03/24/17 03:09	1
Bromomethane	ND		1.0	0.69	ug/L			03/24/17 03:09	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/24/17 03:09	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/24/17 03:09	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/24/17 03:09	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/24/17 03:09	1
Chloroethane	ND		1.0	0.32	ug/L			03/24/17 03:09	1
Chloroform	ND		1.0	0.34	ug/L			03/24/17 03:09	1
Chloromethane	ND		1.0	0.35	ug/L			03/24/17 03:09	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/24/17 03:09	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/24/17 03:09	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/24/17 03:09	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/24/17 03:09	1
Toluene	ND		1.0	0.51	ug/L			03/24/17 03:09	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/24/17 03:09	1
Trichloroethene	ND		1.0	0.46	ug/L			03/24/17 03:09	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/24/17 03:09	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/24/17 03:09	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/24/17 03:09	1
Styrene	ND		1.0	0.73	ug/L			03/24/17 03:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		77 - 120					03/24/17 03:09	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-114997-1

Client Sample ID: MW-6

Date Collected: 03/22/17 15:00

Date Received: 03/23/17 15:30

Lab Sample ID: 480-114997-3

Matrix: Water

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		73 - 120		03/24/17 03:09	1
Toluene-d8 (Surr)	100		80 - 120		03/24/17 03:09	1
Dibromofluoromethane (Surr)	103		75 - 123		03/24/17 03:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
bis (2-chloroisopropyl) ether	ND	F2	5.0	0.52	ug/L		03/24/17 14:17	03/29/17 16:18	1
1,2,4-Trichlorobenzene	ND		10	0.44	ug/L		03/24/17 14:17	03/29/17 16:18	1
2,4,5-Trichlorophenol	ND	F2	5.0	0.48	ug/L		03/24/17 14:17	03/29/17 16:18	1
1,2-Dichlorobenzene	ND	F2	10	0.40	ug/L		03/24/17 14:17	03/29/17 16:18	1
2,4,6-Trichlorophenol	ND	F2	5.0	0.61	ug/L		03/24/17 14:17	03/29/17 16:18	1
2,4-Dichlorophenol	ND	F2	5.0	0.51	ug/L		03/24/17 14:17	03/29/17 16:18	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		03/24/17 14:17	03/29/17 16:18	1
1,3-Dichlorobenzene	ND		10	0.48	ug/L		03/24/17 14:17	03/29/17 16:18	1
2,4-Dinitrophenol	ND	F2	10	2.2	ug/L		03/24/17 14:17	03/29/17 16:18	1
2,4-Dinitrotoluene	ND	F2	5.0	0.45	ug/L		03/24/17 14:17	03/29/17 16:18	1
1,4-Dichlorobenzene	ND		10	0.46	ug/L		03/24/17 14:17	03/29/17 16:18	1
2,6-Dinitrotoluene	ND	F2	5.0	0.40	ug/L		03/24/17 14:17	03/29/17 16:18	1
2-Chloronaphthalene	ND	F2	5.0	0.46	ug/L		03/24/17 14:17	03/29/17 16:18	1
2-Chlorophenol	ND	F2	5.0	0.53	ug/L		03/24/17 14:17	03/29/17 16:18	1
2-Methylnaphthalene	ND	F2	5.0	0.60	ug/L		03/24/17 14:17	03/29/17 16:18	1
2-Methylphenol	ND		5.0	0.40	ug/L		03/24/17 14:17	03/29/17 16:18	1
2-Nitroaniline	ND	F2	10	0.42	ug/L		03/24/17 14:17	03/29/17 16:18	1
2-Nitrophenol	ND	F2	5.0	0.48	ug/L		03/24/17 14:17	03/29/17 16:18	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		03/24/17 14:17	03/29/17 16:18	1
3-Nitroaniline	ND		10	0.48	ug/L		03/24/17 14:17	03/29/17 16:18	1
4,6-Dinitro-2-methylphenol	ND	F2	10	2.2	ug/L		03/24/17 14:17	03/29/17 16:18	1
4-Bromophenyl phenyl ether	ND	F2	5.0	0.45	ug/L		03/24/17 14:17	03/29/17 16:18	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		03/24/17 14:17	03/29/17 16:18	1
4-Chloroaniline	ND		5.0	0.59	ug/L		03/24/17 14:17	03/29/17 16:18	1
4-Chlorophenyl phenyl ether	ND	F2	5.0	0.35	ug/L		03/24/17 14:17	03/29/17 16:18	1
4-Methylphenol	ND		10	0.36	ug/L		03/24/17 14:17	03/29/17 16:18	1
4-Nitroaniline	ND		10	0.25	ug/L		03/24/17 14:17	03/29/17 16:18	1
4-Nitrophenol	ND		10	1.5	ug/L		03/24/17 14:17	03/29/17 16:18	1
Acenaphthene	ND	F2	5.0	0.41	ug/L		03/24/17 14:17	03/29/17 16:18	1
Acenaphthylene	ND	F2	5.0	0.38	ug/L		03/24/17 14:17	03/29/17 16:18	1
Anthracene	ND	F2	5.0	0.28	ug/L		03/24/17 14:17	03/29/17 16:18	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		03/24/17 14:17	03/29/17 16:18	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		03/24/17 14:17	03/29/17 16:18	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		03/24/17 14:17	03/29/17 16:18	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		03/24/17 14:17	03/29/17 16:18	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		03/24/17 14:17	03/29/17 16:18	1
Bis(2-chloroethoxy)methane	ND	F2	5.0	0.35	ug/L		03/24/17 14:17	03/29/17 16:18	1
Bis(2-chloroethyl)ether	ND	F2	5.0	0.40	ug/L		03/24/17 14:17	03/29/17 16:18	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		03/24/17 14:17	03/29/17 16:18	1
Butyl benzyl phthalate	ND	F2	5.0	1.0	ug/L		03/24/17 14:17	03/29/17 16:18	1
Carbazole	ND	F2	5.0	0.30	ug/L		03/24/17 14:17	03/29/17 16:18	1
Chrysene	ND		5.0	0.33	ug/L		03/24/17 14:17	03/29/17 16:18	1
Di-n-butyl phthalate	ND	F2	5.0	0.31	ug/L		03/24/17 14:17	03/29/17 16:18	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-114997-1

Client Sample ID: MW-6

Lab Sample ID: 480-114997-3

Date Collected: 03/22/17 15:00

Matrix: Water

Date Received: 03/23/17 15:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		03/24/17 14:17	03/29/17 16:18	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		03/24/17 14:17	03/29/17 16:18	1
Dibenzofuran	ND	F2	10	0.51	ug/L		03/24/17 14:17	03/29/17 16:18	1
Diethyl phthalate	ND	F2	5.0	0.22	ug/L		03/24/17 14:17	03/29/17 16:18	1
Dimethyl phthalate	ND	F2	5.0	0.36	ug/L		03/24/17 14:17	03/29/17 16:18	1
Fluoranthene	ND	F2	5.0	0.40	ug/L		03/24/17 14:17	03/29/17 16:18	1
Fluorene	ND	F2	5.0	0.36	ug/L		03/24/17 14:17	03/29/17 16:18	1
Hexachlorobenzene	ND	F2	5.0	0.51	ug/L		03/24/17 14:17	03/29/17 16:18	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		03/24/17 14:17	03/29/17 16:18	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		03/24/17 14:17	03/29/17 16:18	1
Hexachloroethane	ND		5.0	0.59	ug/L		03/24/17 14:17	03/29/17 16:18	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		03/24/17 14:17	03/29/17 16:18	1
Isophorone	ND	F2	5.0	0.43	ug/L		03/24/17 14:17	03/29/17 16:18	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		03/24/17 14:17	03/29/17 16:18	1
N-Nitrosodiphenylamine	ND	F2	5.0	0.51	ug/L		03/24/17 14:17	03/29/17 16:18	1
Naphthalene	ND		5.0	0.76	ug/L		03/24/17 14:17	03/29/17 16:18	1
Nitrobenzene	ND	F2	5.0	0.29	ug/L		03/24/17 14:17	03/29/17 16:18	1
Pentachlorophenol	ND		10	2.2	ug/L		03/24/17 14:17	03/29/17 16:18	1
Phenanthrene	ND	F2	5.0	0.44	ug/L		03/24/17 14:17	03/29/17 16:18	1
Phenol	ND		5.0	0.39	ug/L		03/24/17 14:17	03/29/17 16:18	1
Pyrene	ND	F2	5.0	0.34	ug/L		03/24/17 14:17	03/29/17 16:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	105		41 - 120	03/24/17 14:17	03/29/17 16:18	1
2-Fluorobiphenyl	94		48 - 120	03/24/17 14:17	03/29/17 16:18	1
2-Fluorophenol	67		35 - 120	03/24/17 14:17	03/29/17 16:18	1
Nitrobenzene-d5	102		46 - 120	03/24/17 14:17	03/29/17 16:18	1
p-Terphenyl-d14	86		59 - 136	03/24/17 14:17	03/29/17 16:18	1
Phenol-d5	48		22 - 120	03/24/17 14:17	03/29/17 16:18	1

Method: 8082A - 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		03/25/17 07:29	03/27/17 16:58	1
PCB-1221	ND		0.50	0.18	ug/L		03/25/17 07:29	03/27/17 16:58	1
PCB-1232	ND		0.50	0.18	ug/L		03/25/17 07:29	03/27/17 16:58	1
PCB-1242	ND		0.50	0.18	ug/L		03/25/17 07:29	03/27/17 16:58	1
PCB-1248	ND		0.50	0.18	ug/L		03/25/17 07:29	03/27/17 16:58	1
PCB-1254	ND		0.50	0.25	ug/L		03/25/17 07:29	03/27/17 16:58	1
PCB-1260	ND		0.50	0.25	ug/L		03/25/17 07:29	03/27/17 16:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	117		19 - 120	03/25/17 07:29	03/27/17 16:58	1
Tetrachloro-m-xylene	107		39 - 121	03/25/17 07:29	03/27/17 16:58	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-114997-1

Client Sample ID: S-4

Lab Sample ID: 480-114997-4

Date Collected: 03/23/17 08:30

Matrix: Water

Date Received: 03/23/17 15:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/24/17 04:33	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/24/17 04:33	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/24/17 04:33	1
1,1-Dichloroethane	1.2		1.0	0.38	ug/L			03/24/17 04:33	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/24/17 04:33	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/24/17 04:33	1
1,2-Dichloroethene, Total	2.1		2.0	0.81	ug/L			03/24/17 04:33	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/24/17 04:33	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/24/17 04:33	1
2-Hexanone	ND		5.0	1.2	ug/L			03/24/17 04:33	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/24/17 04:33	1
Acetone	3.0	J	10	3.0	ug/L			03/24/17 04:33	1
Benzene	ND		1.0	0.41	ug/L			03/24/17 04:33	1
Bromoform	ND		1.0	0.26	ug/L			03/24/17 04:33	1
Bromomethane	ND		1.0	0.69	ug/L			03/24/17 04:33	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/24/17 04:33	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/24/17 04:33	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/24/17 04:33	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/24/17 04:33	1
Chloroethane	ND		1.0	0.32	ug/L			03/24/17 04:33	1
Chloroform	ND		1.0	0.34	ug/L			03/24/17 04:33	1
Chloromethane	ND		1.0	0.35	ug/L			03/24/17 04:33	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/24/17 04:33	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/24/17 04:33	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/24/17 04:33	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/24/17 04:33	1
Toluene	ND		1.0	0.51	ug/L			03/24/17 04:33	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/24/17 04:33	1
Trichloroethene	0.46	J	1.0	0.46	ug/L			03/24/17 04:33	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/24/17 04:33	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/24/17 04:33	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/24/17 04:33	1
Styrene	ND		1.0	0.73	ug/L			03/24/17 04:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		77 - 120		03/24/17 04:33	1
4-Bromofluorobenzene (Surr)	85		73 - 120		03/24/17 04:33	1
Toluene-d8 (Surr)	101		80 - 120		03/24/17 04:33	1
Dibromofluoromethane (Surr)	94		75 - 123		03/24/17 04:33	1

Method: 8270D - 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		03/24/17 14:17	03/29/17 17:40	1
1,2,4-Trichlorobenzene	ND		10	0.44	ug/L		03/24/17 14:17	03/29/17 17:40	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		03/24/17 14:17	03/29/17 17:40	1
1,2-Dichlorobenzene	ND		10	0.40	ug/L		03/24/17 14:17	03/29/17 17:40	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		03/24/17 14:17	03/29/17 17:40	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		03/24/17 14:17	03/29/17 17:40	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		03/24/17 14:17	03/29/17 17:40	1
1,3-Dichlorobenzene	ND		10	0.48	ug/L		03/24/17 14:17	03/29/17 17:40	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-114997-1

Client Sample ID: S-4

Lab Sample ID: 480-114997-4

Date Collected: 03/23/17 08:30

Matrix: Water

Date Received: 03/23/17 15:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrophenol	ND		10	2.2	ug/L		03/24/17 14:17	03/29/17 17:40	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		03/24/17 14:17	03/29/17 17:40	1
1,4-Dichlorobenzene	ND		10	0.46	ug/L		03/24/17 14:17	03/29/17 17:40	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		03/24/17 14:17	03/29/17 17:40	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		03/24/17 14:17	03/29/17 17:40	1
2-Chlorophenol	ND		5.0	0.53	ug/L		03/24/17 14:17	03/29/17 17:40	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		03/24/17 14:17	03/29/17 17:40	1
2-Methylphenol	0.87	J	5.0	0.40	ug/L		03/24/17 14:17	03/29/17 17:40	1
2-Nitroaniline	ND		10	0.42	ug/L		03/24/17 14:17	03/29/17 17:40	1
2-Nitrophenol	ND		5.0	0.48	ug/L		03/24/17 14:17	03/29/17 17:40	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		03/24/17 14:17	03/29/17 17:40	1
3-Nitroaniline	ND		10	0.48	ug/L		03/24/17 14:17	03/29/17 17:40	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		03/24/17 14:17	03/29/17 17:40	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		03/24/17 14:17	03/29/17 17:40	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		03/24/17 14:17	03/29/17 17:40	1
4-Chloroaniline	ND		5.0	0.59	ug/L		03/24/17 14:17	03/29/17 17:40	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		03/24/17 14:17	03/29/17 17:40	1
4-Methylphenol	ND		10	0.36	ug/L		03/24/17 14:17	03/29/17 17:40	1
4-Nitroaniline	ND		10	0.25	ug/L		03/24/17 14:17	03/29/17 17:40	1
4-Nitrophenol	ND		10	1.5	ug/L		03/24/17 14:17	03/29/17 17:40	1
Acenaphthene	ND		5.0	0.41	ug/L		03/24/17 14:17	03/29/17 17:40	1
Acenaphthylene	ND		5.0	0.38	ug/L		03/24/17 14:17	03/29/17 17:40	1
Anthracene	ND		5.0	0.28	ug/L		03/24/17 14:17	03/29/17 17:40	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		03/24/17 14:17	03/29/17 17:40	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		03/24/17 14:17	03/29/17 17:40	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		03/24/17 14:17	03/29/17 17:40	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		03/24/17 14:17	03/29/17 17:40	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		03/24/17 14:17	03/29/17 17:40	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		03/24/17 14:17	03/29/17 17:40	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		03/24/17 14:17	03/29/17 17:40	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		03/24/17 14:17	03/29/17 17:40	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		03/24/17 14:17	03/29/17 17:40	1
Carbazole	ND		5.0	0.30	ug/L		03/24/17 14:17	03/29/17 17:40	1
Chrysene	ND		5.0	0.33	ug/L		03/24/17 14:17	03/29/17 17:40	1
Di-n-butyl phthalate	0.45	J	5.0	0.31	ug/L		03/24/17 14:17	03/29/17 17:40	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		03/24/17 14:17	03/29/17 17:40	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		03/24/17 14:17	03/29/17 17:40	1
Dibenzofuran	ND		10	0.51	ug/L		03/24/17 14:17	03/29/17 17:40	1
Diethyl phthalate	ND		5.0	0.22	ug/L		03/24/17 14:17	03/29/17 17:40	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		03/24/17 14:17	03/29/17 17:40	1
Fluoranthene	ND		5.0	0.40	ug/L		03/24/17 14:17	03/29/17 17:40	1
Fluorene	ND		5.0	0.36	ug/L		03/24/17 14:17	03/29/17 17:40	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		03/24/17 14:17	03/29/17 17:40	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		03/24/17 14:17	03/29/17 17:40	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		03/24/17 14:17	03/29/17 17:40	1
Hexachloroethane	ND		5.0	0.59	ug/L		03/24/17 14:17	03/29/17 17:40	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		03/24/17 14:17	03/29/17 17:40	1
Isophorone	ND		5.0	0.43	ug/L		03/24/17 14:17	03/29/17 17:40	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		03/24/17 14:17	03/29/17 17:40	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-114997-1

Client Sample ID: S-4

Lab Sample ID: 480-114997-4

Date Collected: 03/23/17 08:30

Matrix: Water

Date Received: 03/23/17 15:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		03/24/17 14:17	03/29/17 17:40	1
Naphthalene	ND		5.0	0.76	ug/L		03/24/17 14:17	03/29/17 17:40	1
Nitrobenzene	ND		5.0	0.29	ug/L		03/24/17 14:17	03/29/17 17:40	1
Pentachlorophenol	ND		10	2.2	ug/L		03/24/17 14:17	03/29/17 17:40	1
Phenanthrene	ND		5.0	0.44	ug/L		03/24/17 14:17	03/29/17 17:40	1
Phenol	ND		5.0	0.39	ug/L		03/24/17 14:17	03/29/17 17:40	1
Pyrene	ND		5.0	0.34	ug/L		03/24/17 14:17	03/29/17 17:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	88		41 - 120	03/24/17 14:17	03/29/17 17:40	1
2-Fluorobiphenyl	64		48 - 120	03/24/17 14:17	03/29/17 17:40	1
2-Fluorophenol	48		35 - 120	03/24/17 14:17	03/29/17 17:40	1
Nitrobenzene-d5	70		46 - 120	03/24/17 14:17	03/29/17 17:40	1
p-Terphenyl-d14	58	X	59 - 136	03/24/17 14:17	03/29/17 17:40	1
Phenol-d5	34		22 - 120	03/24/17 14:17	03/29/17 17:40	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.011	J	0.050	0.0092	ug/L		03/25/17 07:22	03/27/17 14:54	1
4,4'-DDE	ND		0.050	0.012	ug/L		03/25/17 07:22	03/27/17 14:54	1
4,4'-DDT	ND		0.050	0.011	ug/L		03/25/17 07:22	03/27/17 14:54	1
Aldrin	ND		0.050	0.0081	ug/L		03/25/17 07:22	03/27/17 14:54	1
alpha-BHC	0.0097	J	0.050	0.0077	ug/L		03/25/17 07:22	03/27/17 14:54	1
alpha-Chlordane	ND		0.050	0.015	ug/L		03/25/17 07:22	03/27/17 14:54	1
beta-BHC	ND		0.050	0.025	ug/L		03/25/17 07:22	03/27/17 14:54	1
delta-BHC	0.021	J	0.050	0.010	ug/L		03/25/17 07:22	03/27/17 14:54	1
Dieldrin	ND		0.050	0.0098	ug/L		03/25/17 07:22	03/27/17 14:54	1
Endosulfan I	0.043	J	0.050	0.011	ug/L		03/25/17 07:22	03/27/17 14:54	1
Endosulfan II	0.10		0.050	0.012	ug/L		03/25/17 07:22	03/27/17 14:54	1
Endosulfan sulfate	ND		0.050	0.016	ug/L		03/25/17 07:22	03/27/17 14:54	1
Endrin	ND		0.050	0.014	ug/L		03/25/17 07:22	03/27/17 14:54	1
Endrin aldehyde	ND		0.050	0.016	ug/L		03/25/17 07:22	03/27/17 14:54	1
Endrin ketone	ND		0.050	0.012	ug/L		03/25/17 07:22	03/27/17 14:54	1
gamma-BHC (Lindane)	ND		0.050	0.0080	ug/L		03/25/17 07:22	03/27/17 14:54	1
gamma-Chlordane	0.011	J	0.050	0.011	ug/L		03/25/17 07:22	03/27/17 14:54	1
Heptachlor	0.049	J	0.050	0.0085	ug/L		03/25/17 07:22	03/27/17 14:54	1
Heptachlor epoxide	ND		0.050	0.0074	ug/L		03/25/17 07:22	03/27/17 14:54	1
Methoxychlor	ND		0.050	0.014	ug/L		03/25/17 07:22	03/27/17 14:54	1
Toxaphene	ND		0.50	0.12	ug/L		03/25/17 07:22	03/27/17 14:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	42		20 - 120	03/25/17 07:22	03/27/17 14:54	1
Tetrachloro-m-xylene	83		44 - 120	03/25/17 07:22	03/27/17 14:54	1

Method: 8082A - 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		03/25/17 07:29	03/27/17 17:13	1
PCB-1221	ND		0.50	0.18	ug/L		03/25/17 07:29	03/27/17 17:13	1
PCB-1232	4.4		0.50	0.18	ug/L		03/25/17 07:29	03/27/17 17:13	1
PCB-1242	ND		0.50	0.18	ug/L		03/25/17 07:29	03/27/17 17:13	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-114997-1

Client Sample ID: S-4

Lab Sample ID: 480-114997-4

Date Collected: 03/23/17 08:30

Matrix: Water

Date Received: 03/23/17 15:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1248	ND		0.50	0.18	ug/L		03/25/17 07:29	03/27/17 17:13	1
PCB-1254	ND		0.50	0.25	ug/L		03/25/17 07:29	03/27/17 17:13	1
PCB-1260	ND		0.50	0.25	ug/L		03/25/17 07:29	03/27/17 17:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	59		19 - 120				03/25/17 07:29	03/27/17 17:13	1
Tetrachloro-m-xylene	127	X	39 - 121				03/25/17 07:29	03/27/17 17:13	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		03/27/17 09:25	03/27/17 23:19	1
Antimony	ND		0.020	0.0068	mg/L		03/27/17 09:25	03/27/17 23:19	1
Arsenic	ND		0.010	0.0056	mg/L		03/27/17 09:25	03/27/17 23:19	1
Barium	0.085		0.0020	0.00070	mg/L		03/27/17 09:25	03/27/17 23:19	1
Beryllium	ND		0.0020	0.00030	mg/L		03/27/17 09:25	03/27/17 23:19	1
Cadmium	ND		0.0010	0.00050	mg/L		03/27/17 09:25	03/27/17 23:19	1
Calcium	201		0.50	0.10	mg/L		03/27/17 09:25	03/27/17 23:19	1
Chromium	ND		0.0040	0.0010	mg/L		03/27/17 09:25	03/27/17 23:19	1
Cobalt	ND		0.0040	0.00063	mg/L		03/27/17 09:25	03/27/17 23:19	1
Copper	0.0048	J	0.010	0.0016	mg/L		03/27/17 09:25	03/27/17 23:19	1
Iron	0.37		0.050	0.019	mg/L		03/27/17 09:25	03/27/17 23:19	1
Lead	0.0038	J	0.0050	0.0030	mg/L		03/27/17 09:25	03/27/17 23:19	1
Magnesium	6.9		0.20	0.043	mg/L		03/27/17 09:25	03/27/17 23:19	1
Manganese	0.086		0.0030	0.00040	mg/L		03/27/17 09:25	03/27/17 23:19	1
Nickel	0.016		0.010	0.0013	mg/L		03/27/17 09:25	03/27/17 23:19	1
Potassium	87.2		0.50	0.10	mg/L		03/27/17 09:25	03/27/17 23:19	1
Selenium	ND		0.015	0.0087	mg/L		03/27/17 09:25	03/27/17 23:19	1
Silver	ND		0.0030	0.0017	mg/L		03/27/17 09:25	03/27/17 23:19	1
Sodium	101		1.0	0.32	mg/L		03/27/17 09:25	03/27/17 23:19	1
Thallium	ND		0.020	0.010	mg/L		03/27/17 09:25	03/27/17 23:19	1
Vanadium	0.0016	J	0.0050	0.0015	mg/L		03/27/17 09:25	03/27/17 23:19	1
Zinc	0.11	B	0.010	0.0015	mg/L		03/27/17 09:25	03/27/17 23:19	1

Method: 7470A_ASP - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		03/24/17 07:50	03/24/17 13:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.031		0.010	0.0050	mg/L		04/03/17 07:05	04/03/17 11:28	1

Client Sample ID: S-1

Lab Sample ID: 480-114997-5

Date Collected: 03/23/17 09:30

Matrix: Water

Date Received: 03/23/17 15:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/24/17 05:01	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/24/17 05:01	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/24/17 05:01	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/24/17 05:01	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-114997-1

Client Sample ID: S-1

Lab Sample ID: 480-114997-5

Date Collected: 03/23/17 09:30

Matrix: Water

Date Received: 03/23/17 15:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/24/17 05:01	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/24/17 05:01	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			03/24/17 05:01	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/24/17 05:01	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/24/17 05:01	1
2-Hexanone	ND		5.0	1.2	ug/L			03/24/17 05:01	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/24/17 05:01	1
Acetone	ND		10	3.0	ug/L			03/24/17 05:01	1
Benzene	ND		1.0	0.41	ug/L			03/24/17 05:01	1
Bromoform	ND		1.0	0.26	ug/L			03/24/17 05:01	1
Bromomethane	ND		1.0	0.69	ug/L			03/24/17 05:01	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/24/17 05:01	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/24/17 05:01	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/24/17 05:01	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/24/17 05:01	1
Chloroethane	ND		1.0	0.32	ug/L			03/24/17 05:01	1
Chloroform	ND		1.0	0.34	ug/L			03/24/17 05:01	1
Chloromethane	ND		1.0	0.35	ug/L			03/24/17 05:01	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/24/17 05:01	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/24/17 05:01	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/24/17 05:01	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/24/17 05:01	1
Toluene	ND		1.0	0.51	ug/L			03/24/17 05:01	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/24/17 05:01	1
Trichloroethene	ND		1.0	0.46	ug/L			03/24/17 05:01	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/24/17 05:01	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/24/17 05:01	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/24/17 05:01	1
Styrene	ND		1.0	0.73	ug/L			03/24/17 05:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		77 - 120					03/24/17 05:01	1
4-Bromofluorobenzene (Surr)	85		73 - 120					03/24/17 05:01	1
Toluene-d8 (Surr)	100		80 - 120					03/24/17 05:01	1
Dibromofluoromethane (Surr)	92		75 - 123					03/24/17 05:01	1

Method: 8270D - 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		03/24/17 14:17	03/29/17 18:07	1
1,2,4-Trichlorobenzene	ND		10	0.44	ug/L		03/24/17 14:17	03/29/17 18:07	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		03/24/17 14:17	03/29/17 18:07	1
1,2-Dichlorobenzene	ND		10	0.40	ug/L		03/24/17 14:17	03/29/17 18:07	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		03/24/17 14:17	03/29/17 18:07	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		03/24/17 14:17	03/29/17 18:07	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		03/24/17 14:17	03/29/17 18:07	1
1,3-Dichlorobenzene	ND		10	0.48	ug/L		03/24/17 14:17	03/29/17 18:07	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		03/24/17 14:17	03/29/17 18:07	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		03/24/17 14:17	03/29/17 18:07	1
1,4-Dichlorobenzene	ND		10	0.46	ug/L		03/24/17 14:17	03/29/17 18:07	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		03/24/17 14:17	03/29/17 18:07	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-114997-1

Client Sample ID: S-1

Lab Sample ID: 480-114997-5

Date Collected: 03/23/17 09:30

Matrix: Water

Date Received: 03/23/17 15:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chloronaphthalene	ND		5.0	0.46	ug/L		03/24/17 14:17	03/29/17 18:07	1
2-Chlorophenol	ND		5.0	0.53	ug/L		03/24/17 14:17	03/29/17 18:07	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		03/24/17 14:17	03/29/17 18:07	1
2-Methylphenol	ND		5.0	0.40	ug/L		03/24/17 14:17	03/29/17 18:07	1
2-Nitroaniline	ND		10	0.42	ug/L		03/24/17 14:17	03/29/17 18:07	1
2-Nitrophenol	ND		5.0	0.48	ug/L		03/24/17 14:17	03/29/17 18:07	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		03/24/17 14:17	03/29/17 18:07	1
3-Nitroaniline	ND		10	0.48	ug/L		03/24/17 14:17	03/29/17 18:07	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		03/24/17 14:17	03/29/17 18:07	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		03/24/17 14:17	03/29/17 18:07	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		03/24/17 14:17	03/29/17 18:07	1
4-Chloroaniline	ND		5.0	0.59	ug/L		03/24/17 14:17	03/29/17 18:07	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		03/24/17 14:17	03/29/17 18:07	1
4-Methylphenol	ND		10	0.36	ug/L		03/24/17 14:17	03/29/17 18:07	1
4-Nitroaniline	ND		10	0.25	ug/L		03/24/17 14:17	03/29/17 18:07	1
4-Nitrophenol	ND		10	1.5	ug/L		03/24/17 14:17	03/29/17 18:07	1
Acenaphthene	ND		5.0	0.41	ug/L		03/24/17 14:17	03/29/17 18:07	1
Acenaphthylene	ND		5.0	0.38	ug/L		03/24/17 14:17	03/29/17 18:07	1
Anthracene	ND		5.0	0.28	ug/L		03/24/17 14:17	03/29/17 18:07	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		03/24/17 14:17	03/29/17 18:07	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		03/24/17 14:17	03/29/17 18:07	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		03/24/17 14:17	03/29/17 18:07	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		03/24/17 14:17	03/29/17 18:07	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		03/24/17 14:17	03/29/17 18:07	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		03/24/17 14:17	03/29/17 18:07	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		03/24/17 14:17	03/29/17 18:07	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		03/24/17 14:17	03/29/17 18:07	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		03/24/17 14:17	03/29/17 18:07	1
Carbazole	ND		5.0	0.30	ug/L		03/24/17 14:17	03/29/17 18:07	1
Chrysene	ND		5.0	0.33	ug/L		03/24/17 14:17	03/29/17 18:07	1
Di-n-butyl phthalate	0.34	J	5.0	0.31	ug/L		03/24/17 14:17	03/29/17 18:07	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		03/24/17 14:17	03/29/17 18:07	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		03/24/17 14:17	03/29/17 18:07	1
Dibenzofuran	ND		10	0.51	ug/L		03/24/17 14:17	03/29/17 18:07	1
Diethyl phthalate	ND		5.0	0.22	ug/L		03/24/17 14:17	03/29/17 18:07	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		03/24/17 14:17	03/29/17 18:07	1
Fluoranthene	ND		5.0	0.40	ug/L		03/24/17 14:17	03/29/17 18:07	1
Fluorene	ND		5.0	0.36	ug/L		03/24/17 14:17	03/29/17 18:07	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		03/24/17 14:17	03/29/17 18:07	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		03/24/17 14:17	03/29/17 18:07	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		03/24/17 14:17	03/29/17 18:07	1
Hexachloroethane	ND		5.0	0.59	ug/L		03/24/17 14:17	03/29/17 18:07	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		03/24/17 14:17	03/29/17 18:07	1
Isophorone	ND		5.0	0.43	ug/L		03/24/17 14:17	03/29/17 18:07	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		03/24/17 14:17	03/29/17 18:07	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		03/24/17 14:17	03/29/17 18:07	1
Naphthalene	ND		5.0	0.76	ug/L		03/24/17 14:17	03/29/17 18:07	1
Nitrobenzene	ND		5.0	0.29	ug/L		03/24/17 14:17	03/29/17 18:07	1
Pentachlorophenol	ND		10	2.2	ug/L		03/24/17 14:17	03/29/17 18:07	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-114997-1

Client Sample ID: S-1

Lab Sample ID: 480-114997-5

Date Collected: 03/23/17 09:30

Matrix: Water

Date Received: 03/23/17 15:30

Method: 8270D - 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		03/24/17 14:17	03/29/17 18:07	1
Phenol	ND		5.0	0.39	ug/L		03/24/17 14:17	03/29/17 18:07	1
Pyrene	ND		5.0	0.34	ug/L		03/24/17 14:17	03/29/17 18:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	100		41 - 120	03/24/17 14:17	03/29/17 18:07	1
2-Fluorobiphenyl	93		48 - 120	03/24/17 14:17	03/29/17 18:07	1
2-Fluorophenol	72		35 - 120	03/24/17 14:17	03/29/17 18:07	1
Nitrobenzene-d5	105		46 - 120	03/24/17 14:17	03/29/17 18:07	1
p-Terphenyl-d14	95		59 - 136	03/24/17 14:17	03/29/17 18:07	1
Phenol-d5	51		22 - 120	03/24/17 14:17	03/29/17 18:07	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.050	0.0092	ug/L		03/25/17 07:22	03/27/17 15:13	1
4,4'-DDE	0.020	J	0.050	0.012	ug/L		03/25/17 07:22	03/27/17 15:13	1
4,4'-DDT	ND		0.050	0.011	ug/L		03/25/17 07:22	03/27/17 15:13	1
Aldrin	ND		0.050	0.0081	ug/L		03/25/17 07:22	03/27/17 15:13	1
alpha-BHC	ND		0.050	0.0077	ug/L		03/25/17 07:22	03/27/17 15:13	1
alpha-Chlordane	ND		0.050	0.015	ug/L		03/25/17 07:22	03/27/17 15:13	1
beta-BHC	ND		0.050	0.025	ug/L		03/25/17 07:22	03/27/17 15:13	1
delta-BHC	0.012	J	0.050	0.010	ug/L		03/25/17 07:22	03/27/17 15:13	1
Dieldrin	ND		0.050	0.0098	ug/L		03/25/17 07:22	03/27/17 15:13	1
Endosulfan I	ND		0.050	0.011	ug/L		03/25/17 07:22	03/27/17 15:13	1
Endosulfan II	ND		0.050	0.012	ug/L		03/25/17 07:22	03/27/17 15:13	1
Endosulfan sulfate	ND		0.050	0.016	ug/L		03/25/17 07:22	03/27/17 15:13	1
Endrin	ND		0.050	0.014	ug/L		03/25/17 07:22	03/27/17 15:13	1
Endrin aldehyde	ND		0.050	0.016	ug/L		03/25/17 07:22	03/27/17 15:13	1
Endrin ketone	ND		0.050	0.012	ug/L		03/25/17 07:22	03/27/17 15:13	1
gamma-BHC (Lindane)	ND		0.050	0.0080	ug/L		03/25/17 07:22	03/27/17 15:13	1
gamma-Chlordane	ND		0.050	0.011	ug/L		03/25/17 07:22	03/27/17 15:13	1
Heptachlor	ND		0.050	0.0085	ug/L		03/25/17 07:22	03/27/17 15:13	1
Heptachlor epoxide	ND		0.050	0.0074	ug/L		03/25/17 07:22	03/27/17 15:13	1
Methoxychlor	ND		0.050	0.014	ug/L		03/25/17 07:22	03/27/17 15:13	1
Toxaphene	ND		0.50	0.12	ug/L		03/25/17 07:22	03/27/17 15:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	52		20 - 120	03/25/17 07:22	03/27/17 15:13	1
Tetrachloro-m-xylene	89		44 - 120	03/25/17 07:22	03/27/17 15:13	1

Method: 8082A - 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		03/25/17 07:29	03/27/17 17:29	1
PCB-1221	ND		0.50	0.18	ug/L		03/25/17 07:29	03/27/17 17:29	1
PCB-1232	ND		0.50	0.18	ug/L		03/25/17 07:29	03/27/17 17:29	1
PCB-1242	ND		0.50	0.18	ug/L		03/25/17 07:29	03/27/17 17:29	1
PCB-1248	ND		0.50	0.18	ug/L		03/25/17 07:29	03/27/17 17:29	1
PCB-1254	ND		0.50	0.25	ug/L		03/25/17 07:29	03/27/17 17:29	1
PCB-1260	ND		0.50	0.25	ug/L		03/25/17 07:29	03/27/17 17:29	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-114997-1

Client Sample ID: S-1

Date Collected: 03/23/17 09:30

Date Received: 03/23/17 15:30

Lab Sample ID: 480-114997-5

Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	68		19 - 120	03/25/17 07:29	03/27/17 17:29	1
Tetrachloro-m-xylene	108		39 - 121	03/25/17 07:29	03/27/17 17:29	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.097	J	0.20	0.060	mg/L		03/27/17 09:25	03/27/17 23:23	1
Antimony	ND		0.020	0.0068	mg/L		03/27/17 09:25	03/27/17 23:23	1
Arsenic	ND		0.010	0.0056	mg/L		03/27/17 09:25	03/27/17 23:23	1
Barium	0.010		0.0020	0.00070	mg/L		03/27/17 09:25	03/27/17 23:23	1
Beryllium	ND		0.0020	0.00030	mg/L		03/27/17 09:25	03/27/17 23:23	1
Cadmium	ND		0.0010	0.00050	mg/L		03/27/17 09:25	03/27/17 23:23	1
Calcium	35.0		0.50	0.10	mg/L		03/27/17 09:25	03/27/17 23:23	1
Chromium	ND		0.0040	0.0010	mg/L		03/27/17 09:25	03/27/17 23:23	1
Cobalt	ND		0.0040	0.00063	mg/L		03/27/17 09:25	03/27/17 23:23	1
Copper	0.0019	J	0.010	0.0016	mg/L		03/27/17 09:25	03/27/17 23:23	1
Iron	0.097		0.050	0.019	mg/L		03/27/17 09:25	03/27/17 23:23	1
Lead	ND		0.0050	0.0030	mg/L		03/27/17 09:25	03/27/17 23:23	1
Magnesium	14.3		0.20	0.043	mg/L		03/27/17 09:25	03/27/17 23:23	1
Manganese	0.0030		0.0030	0.00040	mg/L		03/27/17 09:25	03/27/17 23:23	1
Nickel	ND		0.010	0.0013	mg/L		03/27/17 09:25	03/27/17 23:23	1
Potassium	2.4		0.50	0.10	mg/L		03/27/17 09:25	03/27/17 23:23	1
Selenium	ND		0.015	0.0087	mg/L		03/27/17 09:25	03/27/17 23:23	1
Silver	ND		0.0030	0.0017	mg/L		03/27/17 09:25	03/27/17 23:23	1
Sodium	3.2		1.0	0.32	mg/L		03/27/17 09:25	03/27/17 23:23	1
Thallium	ND		0.020	0.010	mg/L		03/27/17 09:25	03/27/17 23:23	1
Vanadium	ND		0.0050	0.0015	mg/L		03/27/17 09:25	03/27/17 23:23	1
Zinc	0.0081	J B	0.010	0.0015	mg/L		03/27/17 09:25	03/27/17 23:23	1

Method: 7470A_ASP - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		03/24/17 07:50	03/24/17 13:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.0075	J	0.010	0.0050	mg/L		04/03/17 07:05	04/03/17 11:33	1

Client Sample ID: S-2

Date Collected: 03/23/17 10:30

Date Received: 03/23/17 15:30

Lab Sample ID: 480-114997-6

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/24/17 05:28	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/24/17 05:28	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/24/17 05:28	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/24/17 05:28	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/24/17 05:28	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/24/17 05:28	1
1,2-Dichloroethene, Total	8.2		2.0	0.81	ug/L			03/24/17 05:28	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/24/17 05:28	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/24/17 05:28	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-114997-1

Client Sample ID: S-2

Lab Sample ID: 480-114997-6

Date Collected: 03/23/17 10:30

Matrix: Water

Date Received: 03/23/17 15:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Hexanone	ND		5.0	1.2	ug/L			03/24/17 05:28	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/24/17 05:28	1
Acetone	ND		10	3.0	ug/L			03/24/17 05:28	1
Benzene	ND		1.0	0.41	ug/L			03/24/17 05:28	1
Bromoform	ND		1.0	0.26	ug/L			03/24/17 05:28	1
Bromomethane	ND		1.0	0.69	ug/L			03/24/17 05:28	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/24/17 05:28	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/24/17 05:28	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/24/17 05:28	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/24/17 05:28	1
Chloroethane	ND		1.0	0.32	ug/L			03/24/17 05:28	1
Chloroform	ND		1.0	0.34	ug/L			03/24/17 05:28	1
Chloromethane	ND		1.0	0.35	ug/L			03/24/17 05:28	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/24/17 05:28	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/24/17 05:28	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/24/17 05:28	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/24/17 05:28	1
Toluene	ND		1.0	0.51	ug/L			03/24/17 05:28	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/24/17 05:28	1
Trichloroethene	1.7		1.0	0.46	ug/L			03/24/17 05:28	1
Vinyl chloride	1.3		1.0	0.90	ug/L			03/24/17 05:28	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/24/17 05:28	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/24/17 05:28	1
Styrene	ND		1.0	0.73	ug/L			03/24/17 05:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		77 - 120		03/24/17 05:28	1
4-Bromofluorobenzene (Surr)	85		73 - 120		03/24/17 05:28	1
Toluene-d8 (Surr)	101		80 - 120		03/24/17 05:28	1
Dibromofluoromethane (Surr)	96		75 - 123		03/24/17 05:28	1

Method: 8270D - 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		03/24/17 14:17	03/29/17 18:34	1
1,2,4-Trichlorobenzene	ND		10	0.44	ug/L		03/24/17 14:17	03/29/17 18:34	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		03/24/17 14:17	03/29/17 18:34	1
1,2-Dichlorobenzene	ND		10	0.40	ug/L		03/24/17 14:17	03/29/17 18:34	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		03/24/17 14:17	03/29/17 18:34	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		03/24/17 14:17	03/29/17 18:34	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		03/24/17 14:17	03/29/17 18:34	1
1,3-Dichlorobenzene	ND		10	0.48	ug/L		03/24/17 14:17	03/29/17 18:34	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		03/24/17 14:17	03/29/17 18:34	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		03/24/17 14:17	03/29/17 18:34	1
1,4-Dichlorobenzene	ND		10	0.46	ug/L		03/24/17 14:17	03/29/17 18:34	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		03/24/17 14:17	03/29/17 18:34	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		03/24/17 14:17	03/29/17 18:34	1
2-Chlorophenol	ND		5.0	0.53	ug/L		03/24/17 14:17	03/29/17 18:34	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		03/24/17 14:17	03/29/17 18:34	1
2-Methylphenol	ND		5.0	0.40	ug/L		03/24/17 14:17	03/29/17 18:34	1
2-Nitroaniline	ND		10	0.42	ug/L		03/24/17 14:17	03/29/17 18:34	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-114997-1

Client Sample ID: S-2

Lab Sample ID: 480-114997-6

Date Collected: 03/23/17 10:30

Matrix: Water

Date Received: 03/23/17 15:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitrophenol	ND		5.0	0.48	ug/L		03/24/17 14:17	03/29/17 18:34	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		03/24/17 14:17	03/29/17 18:34	1
3-Nitroaniline	ND		10	0.48	ug/L		03/24/17 14:17	03/29/17 18:34	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		03/24/17 14:17	03/29/17 18:34	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		03/24/17 14:17	03/29/17 18:34	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		03/24/17 14:17	03/29/17 18:34	1
4-Chloroaniline	ND		5.0	0.59	ug/L		03/24/17 14:17	03/29/17 18:34	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		03/24/17 14:17	03/29/17 18:34	1
4-Methylphenol	ND		10	0.36	ug/L		03/24/17 14:17	03/29/17 18:34	1
4-Nitroaniline	ND		10	0.25	ug/L		03/24/17 14:17	03/29/17 18:34	1
4-Nitrophenol	ND		10	1.5	ug/L		03/24/17 14:17	03/29/17 18:34	1
Acenaphthene	ND		5.0	0.41	ug/L		03/24/17 14:17	03/29/17 18:34	1
Acenaphthylene	ND		5.0	0.38	ug/L		03/24/17 14:17	03/29/17 18:34	1
Anthracene	ND		5.0	0.28	ug/L		03/24/17 14:17	03/29/17 18:34	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		03/24/17 14:17	03/29/17 18:34	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		03/24/17 14:17	03/29/17 18:34	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		03/24/17 14:17	03/29/17 18:34	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		03/24/17 14:17	03/29/17 18:34	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		03/24/17 14:17	03/29/17 18:34	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		03/24/17 14:17	03/29/17 18:34	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		03/24/17 14:17	03/29/17 18:34	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		03/24/17 14:17	03/29/17 18:34	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		03/24/17 14:17	03/29/17 18:34	1
Carbazole	ND		5.0	0.30	ug/L		03/24/17 14:17	03/29/17 18:34	1
Chrysene	ND		5.0	0.33	ug/L		03/24/17 14:17	03/29/17 18:34	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		03/24/17 14:17	03/29/17 18:34	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		03/24/17 14:17	03/29/17 18:34	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		03/24/17 14:17	03/29/17 18:34	1
Dibenzofuran	ND		10	0.51	ug/L		03/24/17 14:17	03/29/17 18:34	1
Diethyl phthalate	ND		5.0	0.22	ug/L		03/24/17 14:17	03/29/17 18:34	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		03/24/17 14:17	03/29/17 18:34	1
Fluoranthene	ND		5.0	0.40	ug/L		03/24/17 14:17	03/29/17 18:34	1
Fluorene	ND		5.0	0.36	ug/L		03/24/17 14:17	03/29/17 18:34	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		03/24/17 14:17	03/29/17 18:34	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		03/24/17 14:17	03/29/17 18:34	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		03/24/17 14:17	03/29/17 18:34	1
Hexachloroethane	ND		5.0	0.59	ug/L		03/24/17 14:17	03/29/17 18:34	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		03/24/17 14:17	03/29/17 18:34	1
Isophorone	ND		5.0	0.43	ug/L		03/24/17 14:17	03/29/17 18:34	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		03/24/17 14:17	03/29/17 18:34	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		03/24/17 14:17	03/29/17 18:34	1
Naphthalene	ND		5.0	0.76	ug/L		03/24/17 14:17	03/29/17 18:34	1
Nitrobenzene	ND		5.0	0.29	ug/L		03/24/17 14:17	03/29/17 18:34	1
Pentachlorophenol	ND		10	2.2	ug/L		03/24/17 14:17	03/29/17 18:34	1
Phenanthrene	ND		5.0	0.44	ug/L		03/24/17 14:17	03/29/17 18:34	1
Phenol	ND		5.0	0.39	ug/L		03/24/17 14:17	03/29/17 18:34	1
Pyrene	ND		5.0	0.34	ug/L		03/24/17 14:17	03/29/17 18:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	59		41 - 120	03/24/17 14:17	03/29/17 18:34	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-114997-1

Client Sample ID: S-2

Lab Sample ID: 480-114997-6

Date Collected: 03/23/17 10:30

Matrix: Water

Date Received: 03/23/17 15:30

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	90		48 - 120	03/24/17 14:17	03/29/17 18:34	1
2-Fluorophenol	65		35 - 120	03/24/17 14:17	03/29/17 18:34	1
Nitrobenzene-d5	97		46 - 120	03/24/17 14:17	03/29/17 18:34	1
p-Terphenyl-d14	95		59 - 136	03/24/17 14:17	03/29/17 18:34	1
Phenol-d5	47		22 - 120	03/24/17 14:17	03/29/17 18:34	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.050	0.0092	ug/L		03/25/17 07:22	03/27/17 15:33	1
4,4'-DDE	ND		0.050	0.012	ug/L		03/25/17 07:22	03/27/17 15:33	1
4,4'-DDT	ND		0.050	0.011	ug/L		03/25/17 07:22	03/27/17 15:33	1
Aldrin	ND		0.050	0.0081	ug/L		03/25/17 07:22	03/27/17 15:33	1
alpha-BHC	ND		0.050	0.0077	ug/L		03/25/17 07:22	03/27/17 15:33	1
alpha-Chlordane	ND		0.050	0.015	ug/L		03/25/17 07:22	03/27/17 15:33	1
beta-BHC	ND		0.050	0.025	ug/L		03/25/17 07:22	03/27/17 15:33	1
delta-BHC	ND		0.050	0.010	ug/L		03/25/17 07:22	03/27/17 15:33	1
Dieldrin	ND		0.050	0.0098	ug/L		03/25/17 07:22	03/27/17 15:33	1
Endosulfan I	ND		0.050	0.011	ug/L		03/25/17 07:22	03/27/17 15:33	1
Endosulfan II	ND		0.050	0.012	ug/L		03/25/17 07:22	03/27/17 15:33	1
Endosulfan sulfate	ND		0.050	0.016	ug/L		03/25/17 07:22	03/27/17 15:33	1
Endrin	ND		0.050	0.014	ug/L		03/25/17 07:22	03/27/17 15:33	1
Endrin aldehyde	ND		0.050	0.016	ug/L		03/25/17 07:22	03/27/17 15:33	1
Endrin ketone	ND		0.050	0.012	ug/L		03/25/17 07:22	03/27/17 15:33	1
gamma-BHC (Lindane)	ND		0.050	0.0080	ug/L		03/25/17 07:22	03/27/17 15:33	1
gamma-Chlordane	ND		0.050	0.011	ug/L		03/25/17 07:22	03/27/17 15:33	1
Heptachlor	ND		0.050	0.0085	ug/L		03/25/17 07:22	03/27/17 15:33	1
Heptachlor epoxide	ND		0.050	0.0074	ug/L		03/25/17 07:22	03/27/17 15:33	1
Methoxychlor	ND		0.050	0.014	ug/L		03/25/17 07:22	03/27/17 15:33	1
Toxaphene	ND		0.50	0.12	ug/L		03/25/17 07:22	03/27/17 15:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	58		20 - 120	03/25/17 07:22	03/27/17 15:33	1
Tetrachloro-m-xylene	79		44 - 120	03/25/17 07:22	03/27/17 15:33	1

Method: 8082A - 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		03/25/17 07:29	03/27/17 17:44	1
PCB-1221	ND		0.50	0.18	ug/L		03/25/17 07:29	03/27/17 17:44	1
PCB-1232	ND		0.50	0.18	ug/L		03/25/17 07:29	03/27/17 17:44	1
PCB-1242	ND		0.50	0.18	ug/L		03/25/17 07:29	03/27/17 17:44	1
PCB-1248	0.24	J	0.50	0.18	ug/L		03/25/17 07:29	03/27/17 17:44	1
PCB-1254	ND		0.50	0.25	ug/L		03/25/17 07:29	03/27/17 17:44	1
PCB-1260	ND		0.50	0.25	ug/L		03/25/17 07:29	03/27/17 17:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	76		19 - 120	03/25/17 07:29	03/27/17 17:44	1
Tetrachloro-m-xylene	93		39 - 121	03/25/17 07:29	03/27/17 17:44	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-114997-1

Client Sample ID: S-2

Lab Sample ID: 480-114997-6

Date Collected: 03/23/17 10:30

Matrix: Water

Date Received: 03/23/17 15:30

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.18	J	0.20	0.060	mg/L		03/27/17 09:25	03/27/17 23:26	1
Antimony	ND		0.020	0.0068	mg/L		03/27/17 09:25	03/27/17 23:26	1
Arsenic	ND		0.010	0.0056	mg/L		03/27/17 09:25	03/27/17 23:26	1
Barium	0.053		0.0020	0.00070	mg/L		03/27/17 09:25	03/27/17 23:26	1
Beryllium	ND		0.0020	0.00030	mg/L		03/27/17 09:25	03/27/17 23:26	1
Cadmium	ND		0.0010	0.00050	mg/L		03/27/17 09:25	03/27/17 23:26	1
Calcium	71.3		0.50	0.10	mg/L		03/27/17 09:25	03/27/17 23:26	1
Chromium	ND		0.0040	0.0010	mg/L		03/27/17 09:25	03/27/17 23:26	1
Cobalt	ND		0.0040	0.00063	mg/L		03/27/17 09:25	03/27/17 23:26	1
Copper	0.0023	J	0.010	0.0016	mg/L		03/27/17 09:25	03/27/17 23:26	1
Iron	ND		0.050	0.019	mg/L		03/27/17 09:25	03/27/17 23:26	1
Lead	0.0038	J	0.0050	0.0030	mg/L		03/27/17 09:25	03/27/17 23:26	1
Magnesium	ND		0.20	0.043	mg/L		03/27/17 09:25	03/27/17 23:26	1
Manganese	ND		0.0030	0.00040	mg/L		03/27/17 09:25	03/27/17 23:26	1
Nickel	ND		0.010	0.0013	mg/L		03/27/17 09:25	03/27/17 23:26	1
Potassium	28.9		0.50	0.10	mg/L		03/27/17 09:25	03/27/17 23:26	1
Selenium	ND		0.015	0.0087	mg/L		03/27/17 09:25	03/27/17 23:26	1
Silver	ND		0.0030	0.0017	mg/L		03/27/17 09:25	03/27/17 23:26	1
Sodium	42.7		1.0	0.32	mg/L		03/27/17 09:25	03/27/17 23:26	1
Thallium	ND		0.020	0.010	mg/L		03/27/17 09:25	03/27/17 23:26	1
Vanadium	0.012		0.0050	0.0015	mg/L		03/27/17 09:25	03/27/17 23:26	1
Zinc	0.0024	J B	0.010	0.0015	mg/L		03/27/17 09:25	03/27/17 23:26	1

Method: 7470A_ASP - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		03/24/17 07:50	03/24/17 13:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.012		0.010	0.0050	mg/L		04/04/17 03:10	04/04/17 09:51	1

Client Sample ID: S-3

Lab Sample ID: 480-114997-7

Date Collected: 03/23/17 11:30

Matrix: Water

Date Received: 03/23/17 15:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/24/17 03:32	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/24/17 03:32	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/24/17 03:32	1
1,1-Dichloroethane	1.5		1.0	0.38	ug/L			03/24/17 03:32	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/24/17 03:32	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/24/17 03:32	1
1,2-Dichloroethene, Total	1.1	J	2.0	0.81	ug/L			03/24/17 03:32	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/24/17 03:32	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/24/17 03:32	1
2-Hexanone	ND		5.0	1.2	ug/L			03/24/17 03:32	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/24/17 03:32	1
Acetone	ND		10	3.0	ug/L			03/24/17 03:32	1
Benzene	ND		1.0	0.41	ug/L			03/24/17 03:32	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-114997-1

Client Sample ID: S-3

Lab Sample ID: 480-114997-7

Date Collected: 03/23/17 11:30

Matrix: Water

Date Received: 03/23/17 15:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	ND		1.0	0.26	ug/L			03/24/17 03:32	1
Bromomethane	ND		1.0	0.69	ug/L			03/24/17 03:32	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/24/17 03:32	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/24/17 03:32	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/24/17 03:32	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/24/17 03:32	1
Chloroethane	ND		1.0	0.32	ug/L			03/24/17 03:32	1
Chloroform	ND		1.0	0.34	ug/L			03/24/17 03:32	1
Chloromethane	ND		1.0	0.35	ug/L			03/24/17 03:32	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/24/17 03:32	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/24/17 03:32	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/24/17 03:32	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/24/17 03:32	1
Toluene	0.53	J	1.0	0.51	ug/L			03/24/17 03:32	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/24/17 03:32	1
Trichloroethene	ND		1.0	0.46	ug/L			03/24/17 03:32	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/24/17 03:32	1
Xylenes, Total	0.66	J	2.0	0.66	ug/L			03/24/17 03:32	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/24/17 03:32	1
Styrene	ND		1.0	0.73	ug/L			03/24/17 03:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		77 - 120		03/24/17 03:32	1
4-Bromofluorobenzene (Surr)	105		73 - 120		03/24/17 03:32	1
Toluene-d8 (Surr)	106		80 - 120		03/24/17 03:32	1
Dibromofluoromethane (Surr)	102		75 - 123		03/24/17 03:32	1

Method: 8270D - 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		03/24/17 14:17	03/29/17 19:01	1
1,2,4-Trichlorobenzene	ND		10	0.44	ug/L		03/24/17 14:17	03/29/17 19:01	1
2,4,5-Trichlorophenol	0.81	J	5.0	0.48	ug/L		03/24/17 14:17	03/29/17 19:01	1
1,2-Dichlorobenzene	ND		10	0.40	ug/L		03/24/17 14:17	03/29/17 19:01	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		03/24/17 14:17	03/29/17 19:01	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		03/24/17 14:17	03/29/17 19:01	1
2,4-Dimethylphenol	14		5.0	0.50	ug/L		03/24/17 14:17	03/29/17 19:01	1
1,3-Dichlorobenzene	ND		10	0.48	ug/L		03/24/17 14:17	03/29/17 19:01	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		03/24/17 14:17	03/29/17 19:01	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		03/24/17 14:17	03/29/17 19:01	1
1,4-Dichlorobenzene	ND		10	0.46	ug/L		03/24/17 14:17	03/29/17 19:01	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		03/24/17 14:17	03/29/17 19:01	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		03/24/17 14:17	03/29/17 19:01	1
2-Chlorophenol	ND		5.0	0.53	ug/L		03/24/17 14:17	03/29/17 19:01	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		03/24/17 14:17	03/29/17 19:01	1
2-Methylphenol	11		5.0	0.40	ug/L		03/24/17 14:17	03/29/17 19:01	1
2-Nitroaniline	ND		10	0.42	ug/L		03/24/17 14:17	03/29/17 19:01	1
2-Nitrophenol	ND		5.0	0.48	ug/L		03/24/17 14:17	03/29/17 19:01	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		03/24/17 14:17	03/29/17 19:01	1
3-Nitroaniline	ND		10	0.48	ug/L		03/24/17 14:17	03/29/17 19:01	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		03/24/17 14:17	03/29/17 19:01	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-114997-1

Client Sample ID: S-3

Lab Sample ID: 480-114997-7

Date Collected: 03/23/17 11:30

Matrix: Water

Date Received: 03/23/17 15:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		03/24/17 14:17	03/29/17 19:01	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		03/24/17 14:17	03/29/17 19:01	1
4-Chloroaniline	ND		5.0	0.59	ug/L		03/24/17 14:17	03/29/17 19:01	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		03/24/17 14:17	03/29/17 19:01	1
4-Methylphenol	22		10	0.36	ug/L		03/24/17 14:17	03/29/17 19:01	1
4-Nitroaniline	ND		10	0.25	ug/L		03/24/17 14:17	03/29/17 19:01	1
4-Nitrophenol	ND		10	1.5	ug/L		03/24/17 14:17	03/29/17 19:01	1
Acenaphthene	0.62	J	5.0	0.41	ug/L		03/24/17 14:17	03/29/17 19:01	1
Acenaphthylene	0.39	J	5.0	0.38	ug/L		03/24/17 14:17	03/29/17 19:01	1
Anthracene	ND		5.0	0.28	ug/L		03/24/17 14:17	03/29/17 19:01	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		03/24/17 14:17	03/29/17 19:01	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		03/24/17 14:17	03/29/17 19:01	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		03/24/17 14:17	03/29/17 19:01	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		03/24/17 14:17	03/29/17 19:01	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		03/24/17 14:17	03/29/17 19:01	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		03/24/17 14:17	03/29/17 19:01	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		03/24/17 14:17	03/29/17 19:01	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		03/24/17 14:17	03/29/17 19:01	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		03/24/17 14:17	03/29/17 19:01	1
Carbazole	0.42	J	5.0	0.30	ug/L		03/24/17 14:17	03/29/17 19:01	1
Chrysene	ND		5.0	0.33	ug/L		03/24/17 14:17	03/29/17 19:01	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		03/24/17 14:17	03/29/17 19:01	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		03/24/17 14:17	03/29/17 19:01	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		03/24/17 14:17	03/29/17 19:01	1
Dibenzofuran	ND		10	0.51	ug/L		03/24/17 14:17	03/29/17 19:01	1
Diethyl phthalate	ND		5.0	0.22	ug/L		03/24/17 14:17	03/29/17 19:01	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		03/24/17 14:17	03/29/17 19:01	1
Fluoranthene	ND		5.0	0.40	ug/L		03/24/17 14:17	03/29/17 19:01	1
Fluorene	0.56	J	5.0	0.36	ug/L		03/24/17 14:17	03/29/17 19:01	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		03/24/17 14:17	03/29/17 19:01	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		03/24/17 14:17	03/29/17 19:01	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		03/24/17 14:17	03/29/17 19:01	1
Hexachloroethane	ND		5.0	0.59	ug/L		03/24/17 14:17	03/29/17 19:01	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		03/24/17 14:17	03/29/17 19:01	1
Isophorone	ND		5.0	0.43	ug/L		03/24/17 14:17	03/29/17 19:01	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		03/24/17 14:17	03/29/17 19:01	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		03/24/17 14:17	03/29/17 19:01	1
Naphthalene	2.4	J	5.0	0.76	ug/L		03/24/17 14:17	03/29/17 19:01	1
Nitrobenzene	ND		5.0	0.29	ug/L		03/24/17 14:17	03/29/17 19:01	1
Pentachlorophenol	ND		10	2.2	ug/L		03/24/17 14:17	03/29/17 19:01	1
Phenanthrene	0.81	J	5.0	0.44	ug/L		03/24/17 14:17	03/29/17 19:01	1
Phenol	ND		5.0	0.39	ug/L		03/24/17 14:17	03/29/17 19:01	1
Pyrene	ND		5.0	0.34	ug/L		03/24/17 14:17	03/29/17 19:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	130	X	41 - 120				03/24/17 14:17	03/29/17 19:01	1
2-Fluorobiphenyl	91		48 - 120				03/24/17 14:17	03/29/17 19:01	1
2-Fluorophenol	71		35 - 120				03/24/17 14:17	03/29/17 19:01	1
Nitrobenzene-d5	53		46 - 120				03/24/17 14:17	03/29/17 19:01	1
p-Terphenyl-d14	95		59 - 136				03/24/17 14:17	03/29/17 19:01	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-114997-1

Client Sample ID: S-3

Lab Sample ID: 480-114997-7

Date Collected: 03/23/17 11:30

Matrix: Water

Date Received: 03/23/17 15:30

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Phenol-d5	53		22 - 120	03/24/17 14:17	03/29/17 19:01	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.050	0.0092	ug/L		03/25/17 07:22	03/27/17 15:53	1
4,4'-DDE	ND		0.050	0.012	ug/L		03/25/17 07:22	03/27/17 15:53	1
4,4'-DDT	ND		0.050	0.011	ug/L		03/25/17 07:22	03/27/17 15:53	1
Aldrin	ND		0.050	0.0081	ug/L		03/25/17 07:22	03/27/17 15:53	1
alpha-BHC	ND		0.050	0.0077	ug/L		03/25/17 07:22	03/27/17 15:53	1
alpha-Chlordane	ND		0.050	0.015	ug/L		03/25/17 07:22	03/27/17 15:53	1
beta-BHC	ND		0.050	0.025	ug/L		03/25/17 07:22	03/27/17 15:53	1
delta-BHC	ND		0.050	0.010	ug/L		03/25/17 07:22	03/27/17 15:53	1
Dieldrin	ND		0.050	0.0098	ug/L		03/25/17 07:22	03/27/17 15:53	1
Endosulfan I	ND		0.050	0.011	ug/L		03/25/17 07:22	03/27/17 15:53	1
Endosulfan II	ND		0.050	0.012	ug/L		03/25/17 07:22	03/27/17 15:53	1
Endosulfan sulfate	ND		0.050	0.016	ug/L		03/25/17 07:22	03/27/17 15:53	1
Endrin	ND		0.050	0.014	ug/L		03/25/17 07:22	03/27/17 15:53	1
Endrin aldehyde	ND		0.050	0.016	ug/L		03/25/17 07:22	03/27/17 15:53	1
Endrin ketone	ND		0.050	0.012	ug/L		03/25/17 07:22	03/27/17 15:53	1
gamma-BHC (Lindane)	ND		0.050	0.0080	ug/L		03/25/17 07:22	03/27/17 15:53	1
gamma-Chlordane	ND		0.050	0.011	ug/L		03/25/17 07:22	03/27/17 15:53	1
Heptachlor	ND		0.050	0.0085	ug/L		03/25/17 07:22	03/27/17 15:53	1
Heptachlor epoxide	ND		0.050	0.0074	ug/L		03/25/17 07:22	03/27/17 15:53	1
Methoxychlor	ND		0.050	0.014	ug/L		03/25/17 07:22	03/27/17 15:53	1
Toxaphene	ND		0.50	0.12	ug/L		03/25/17 07:22	03/27/17 15:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	53		20 - 120	03/25/17 07:22	03/27/17 15:53	1
Tetrachloro-m-xylene	81		44 - 120	03/25/17 07:22	03/27/17 15:53	1

Method: 8082A - 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		03/25/17 07:29	03/27/17 17:59	1
PCB-1221	ND		0.50	0.18	ug/L		03/25/17 07:29	03/27/17 17:59	1
PCB-1232	ND		0.50	0.18	ug/L		03/25/17 07:29	03/27/17 17:59	1
PCB-1242	0.61		0.50	0.18	ug/L		03/25/17 07:29	03/27/17 17:59	1
PCB-1248	ND		0.50	0.18	ug/L		03/25/17 07:29	03/27/17 17:59	1
PCB-1254	ND		0.50	0.25	ug/L		03/25/17 07:29	03/27/17 17:59	1
PCB-1260	ND		0.50	0.25	ug/L		03/25/17 07:29	03/27/17 17:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	63		19 - 120	03/25/17 07:29	03/27/17 17:59	1
Tetrachloro-m-xylene	90		39 - 121	03/25/17 07:29	03/27/17 17:59	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.41		0.20	0.060	mg/L		03/27/17 09:25	03/27/17 23:43	1
Antimony	ND		0.020	0.0068	mg/L		03/27/17 09:25	03/27/17 23:43	1
Arsenic	ND		0.010	0.0056	mg/L		03/27/17 09:25	03/27/17 23:43	1
Barium	0.047		0.0020	0.00070	mg/L		03/27/17 09:25	03/27/17 23:43	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-114997-1

Client Sample ID: S-3

Lab Sample ID: 480-114997-7

Date Collected: 03/23/17 11:30

Matrix: Water

Date Received: 03/23/17 15:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	ND		0.0020	0.00030	mg/L		03/27/17 09:25	03/27/17 23:43	1
Cadmium	ND		0.0010	0.00050	mg/L		03/27/17 09:25	03/27/17 23:43	1
Calcium	76.5		0.50	0.10	mg/L		03/27/17 09:25	03/27/17 23:43	1
Chromium	ND		0.0040	0.0010	mg/L		03/27/17 09:25	03/27/17 23:43	1
Cobalt	ND		0.0040	0.00063	mg/L		03/27/17 09:25	03/27/17 23:43	1
Copper	0.0044	J	0.010	0.0016	mg/L		03/27/17 09:25	03/27/17 23:43	1
Iron	0.040	J	0.050	0.019	mg/L		03/27/17 09:25	03/27/17 23:43	1
Lead	0.0038	J	0.0050	0.0030	mg/L		03/27/17 09:25	03/27/17 23:43	1
Magnesium	0.16	J	0.20	0.043	mg/L		03/27/17 09:25	03/27/17 23:43	1
Manganese	ND		0.0030	0.00040	mg/L		03/27/17 09:25	03/27/17 23:43	1
Nickel	ND		0.010	0.0013	mg/L		03/27/17 09:25	03/27/17 23:43	1
Potassium	54.8		0.50	0.10	mg/L		03/27/17 09:25	03/27/17 23:43	1
Selenium	ND		0.015	0.0087	mg/L		03/27/17 09:25	03/27/17 23:43	1
Silver	ND		0.0030	0.0017	mg/L		03/27/17 09:25	03/27/17 23:43	1
Sodium	99.8		1.0	0.32	mg/L		03/27/17 09:25	03/27/17 23:43	1
Thallium	ND		0.020	0.010	mg/L		03/27/17 09:25	03/27/17 23:43	1
Vanadium	0.022		0.0050	0.0015	mg/L		03/27/17 09:25	03/27/17 23:43	1
Zinc	0.0026	J B	0.010	0.0015	mg/L		03/27/17 09:25	03/27/17 23:43	1

Method: 7470A_ASP - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		03/24/17 07:50	03/24/17 13:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.039		0.010	0.0050	mg/L		04/03/17 07:05	04/03/17 11:24	1

Client Sample ID: DUP

Lab Sample ID: 480-114997-8

Date Collected: 03/23/17 00:00

Matrix: Water

Date Received: 03/23/17 15:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/24/17 03:55	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/24/17 03:55	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/24/17 03:55	1
1,1-Dichloroethane	1.8		1.0	0.38	ug/L			03/24/17 03:55	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/24/17 03:55	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/24/17 03:55	1
1,2-Dichloroethene, Total	1.3	J	2.0	0.81	ug/L			03/24/17 03:55	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/24/17 03:55	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/24/17 03:55	1
2-Hexanone	ND		5.0	1.2	ug/L			03/24/17 03:55	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/24/17 03:55	1
Acetone	ND		10	3.0	ug/L			03/24/17 03:55	1
Benzene	ND		1.0	0.41	ug/L			03/24/17 03:55	1
Bromoform	ND		1.0	0.26	ug/L			03/24/17 03:55	1
Bromomethane	ND		1.0	0.69	ug/L			03/24/17 03:55	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/24/17 03:55	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/24/17 03:55	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-114997-1

Client Sample ID: DUP

Lab Sample ID: 480-114997-8

Date Collected: 03/23/17 00:00

Matrix: Water

Date Received: 03/23/17 15:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	ND		1.0	0.75	ug/L			03/24/17 03:55	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/24/17 03:55	1
Chloroethane	ND		1.0	0.32	ug/L			03/24/17 03:55	1
Chloroform	ND		1.0	0.34	ug/L			03/24/17 03:55	1
Chloromethane	ND		1.0	0.35	ug/L			03/24/17 03:55	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/24/17 03:55	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/24/17 03:55	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/24/17 03:55	1
Tetrachloroethene	0.54	J	1.0	0.36	ug/L			03/24/17 03:55	1
Toluene	ND		1.0	0.51	ug/L			03/24/17 03:55	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/24/17 03:55	1
Trichloroethene	ND		1.0	0.46	ug/L			03/24/17 03:55	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/24/17 03:55	1
Xylenes, Total	0.72	J	2.0	0.66	ug/L			03/24/17 03:55	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/24/17 03:55	1
Styrene	ND		1.0	0.73	ug/L			03/24/17 03:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		77 - 120		03/24/17 03:55	1
4-Bromofluorobenzene (Surr)	107		73 - 120		03/24/17 03:55	1
Toluene-d8 (Surr)	102		80 - 120		03/24/17 03:55	1
Dibromofluoromethane (Surr)	101		75 - 123		03/24/17 03:55	1

Method: 8270D - 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		03/24/17 14:17	03/29/17 19:28	1
1,2,4-Trichlorobenzene	ND		10	0.44	ug/L		03/24/17 14:17	03/29/17 19:28	1
2,4,5-Trichlorophenol	0.89	J	5.0	0.48	ug/L		03/24/17 14:17	03/29/17 19:28	1
1,2-Dichlorobenzene	ND		10	0.40	ug/L		03/24/17 14:17	03/29/17 19:28	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		03/24/17 14:17	03/29/17 19:28	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		03/24/17 14:17	03/29/17 19:28	1
2,4-Dimethylphenol	14		5.0	0.50	ug/L		03/24/17 14:17	03/29/17 19:28	1
1,3-Dichlorobenzene	ND		10	0.48	ug/L		03/24/17 14:17	03/29/17 19:28	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		03/24/17 14:17	03/29/17 19:28	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		03/24/17 14:17	03/29/17 19:28	1
1,4-Dichlorobenzene	ND		10	0.46	ug/L		03/24/17 14:17	03/29/17 19:28	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		03/24/17 14:17	03/29/17 19:28	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		03/24/17 14:17	03/29/17 19:28	1
2-Chlorophenol	ND		5.0	0.53	ug/L		03/24/17 14:17	03/29/17 19:28	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		03/24/17 14:17	03/29/17 19:28	1
2-Methylphenol	12		5.0	0.40	ug/L		03/24/17 14:17	03/29/17 19:28	1
2-Nitroaniline	ND		10	0.42	ug/L		03/24/17 14:17	03/29/17 19:28	1
2-Nitrophenol	ND		5.0	0.48	ug/L		03/24/17 14:17	03/29/17 19:28	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		03/24/17 14:17	03/29/17 19:28	1
3-Nitroaniline	ND		10	0.48	ug/L		03/24/17 14:17	03/29/17 19:28	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		03/24/17 14:17	03/29/17 19:28	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		03/24/17 14:17	03/29/17 19:28	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		03/24/17 14:17	03/29/17 19:28	1
4-Chloroaniline	ND		5.0	0.59	ug/L		03/24/17 14:17	03/29/17 19:28	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		03/24/17 14:17	03/29/17 19:28	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-114997-1

Client Sample ID: DUP

Lab Sample ID: 480-114997-8

Date Collected: 03/23/17 00:00

Matrix: Water

Date Received: 03/23/17 15:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methylphenol	23		10	0.36	ug/L		03/24/17 14:17	03/29/17 19:28	1
4-Nitroaniline	ND		10	0.25	ug/L		03/24/17 14:17	03/29/17 19:28	1
4-Nitrophenol	ND		10	1.5	ug/L		03/24/17 14:17	03/29/17 19:28	1
Acenaphthene	0.69	J	5.0	0.41	ug/L		03/24/17 14:17	03/29/17 19:28	1
Acenaphthylene	ND		5.0	0.38	ug/L		03/24/17 14:17	03/29/17 19:28	1
Anthracene	ND		5.0	0.28	ug/L		03/24/17 14:17	03/29/17 19:28	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		03/24/17 14:17	03/29/17 19:28	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		03/24/17 14:17	03/29/17 19:28	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		03/24/17 14:17	03/29/17 19:28	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		03/24/17 14:17	03/29/17 19:28	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		03/24/17 14:17	03/29/17 19:28	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		03/24/17 14:17	03/29/17 19:28	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		03/24/17 14:17	03/29/17 19:28	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		03/24/17 14:17	03/29/17 19:28	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		03/24/17 14:17	03/29/17 19:28	1
Carbazole	0.45	J	5.0	0.30	ug/L		03/24/17 14:17	03/29/17 19:28	1
Chrysene	ND		5.0	0.33	ug/L		03/24/17 14:17	03/29/17 19:28	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		03/24/17 14:17	03/29/17 19:28	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		03/24/17 14:17	03/29/17 19:28	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		03/24/17 14:17	03/29/17 19:28	1
Dibenzofuran	ND		10	0.51	ug/L		03/24/17 14:17	03/29/17 19:28	1
Diethyl phthalate	ND		5.0	0.22	ug/L		03/24/17 14:17	03/29/17 19:28	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		03/24/17 14:17	03/29/17 19:28	1
Fluoranthene	ND		5.0	0.40	ug/L		03/24/17 14:17	03/29/17 19:28	1
Fluorene	0.55	J	5.0	0.36	ug/L		03/24/17 14:17	03/29/17 19:28	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		03/24/17 14:17	03/29/17 19:28	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		03/24/17 14:17	03/29/17 19:28	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		03/24/17 14:17	03/29/17 19:28	1
Hexachloroethane	ND		5.0	0.59	ug/L		03/24/17 14:17	03/29/17 19:28	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		03/24/17 14:17	03/29/17 19:28	1
Isophorone	ND		5.0	0.43	ug/L		03/24/17 14:17	03/29/17 19:28	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		03/24/17 14:17	03/29/17 19:28	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		03/24/17 14:17	03/29/17 19:28	1
Naphthalene	2.4	J	5.0	0.76	ug/L		03/24/17 14:17	03/29/17 19:28	1
Nitrobenzene	ND		5.0	0.29	ug/L		03/24/17 14:17	03/29/17 19:28	1
Pentachlorophenol	ND		10	2.2	ug/L		03/24/17 14:17	03/29/17 19:28	1
Phenanthrene	0.57	J	5.0	0.44	ug/L		03/24/17 14:17	03/29/17 19:28	1
Phenol	ND		5.0	0.39	ug/L		03/24/17 14:17	03/29/17 19:28	1
Pyrene	ND		5.0	0.34	ug/L		03/24/17 14:17	03/29/17 19:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	130	X	41 - 120	03/24/17 14:17	03/29/17 19:28	1
2-Fluorobiphenyl	97		48 - 120	03/24/17 14:17	03/29/17 19:28	1
2-Fluorophenol	78		35 - 120	03/24/17 14:17	03/29/17 19:28	1
Nitrobenzene-d5	56		46 - 120	03/24/17 14:17	03/29/17 19:28	1
p-Terphenyl-d14	97		59 - 136	03/24/17 14:17	03/29/17 19:28	1
Phenol-d5	55		22 - 120	03/24/17 14:17	03/29/17 19:28	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-114997-1

Client Sample ID: DUP

Lab Sample ID: 480-114997-8

Date Collected: 03/23/17 00:00

Matrix: Water

Date Received: 03/23/17 15:30

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.050	0.0092	ug/L		03/25/17 07:22	03/27/17 16:12	1
4,4'-DDE	ND		0.050	0.012	ug/L		03/25/17 07:22	03/27/17 16:12	1
4,4'-DDT	ND		0.050	0.011	ug/L		03/25/17 07:22	03/27/17 16:12	1
Aldrin	ND		0.050	0.0081	ug/L		03/25/17 07:22	03/27/17 16:12	1
alpha-BHC	ND		0.050	0.0077	ug/L		03/25/17 07:22	03/27/17 16:12	1
alpha-Chlordane	ND		0.050	0.015	ug/L		03/25/17 07:22	03/27/17 16:12	1
beta-BHC	ND		0.050	0.025	ug/L		03/25/17 07:22	03/27/17 16:12	1
delta-BHC	ND		0.050	0.010	ug/L		03/25/17 07:22	03/27/17 16:12	1
Dieldrin	ND		0.050	0.0098	ug/L		03/25/17 07:22	03/27/17 16:12	1
Endosulfan I	ND		0.050	0.011	ug/L		03/25/17 07:22	03/27/17 16:12	1
Endosulfan II	ND		0.050	0.012	ug/L		03/25/17 07:22	03/27/17 16:12	1
Endosulfan sulfate	ND		0.050	0.016	ug/L		03/25/17 07:22	03/27/17 16:12	1
Endrin	ND		0.050	0.014	ug/L		03/25/17 07:22	03/27/17 16:12	1
Endrin aldehyde	ND		0.050	0.016	ug/L		03/25/17 07:22	03/27/17 16:12	1
Endrin ketone	ND		0.050	0.012	ug/L		03/25/17 07:22	03/27/17 16:12	1
gamma-BHC (Lindane)	ND		0.050	0.0080	ug/L		03/25/17 07:22	03/27/17 16:12	1
gamma-Chlordane	ND		0.050	0.011	ug/L		03/25/17 07:22	03/27/17 16:12	1
Heptachlor	ND		0.050	0.0085	ug/L		03/25/17 07:22	03/27/17 16:12	1
Heptachlor epoxide	ND		0.050	0.0074	ug/L		03/25/17 07:22	03/27/17 16:12	1
Methoxychlor	ND		0.050	0.014	ug/L		03/25/17 07:22	03/27/17 16:12	1
Toxaphene	ND		0.50	0.12	ug/L		03/25/17 07:22	03/27/17 16:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	58		20 - 120	03/25/17 07:22	03/27/17 16:12	1
Tetrachloro-m-xylene	85		44 - 120	03/25/17 07:22	03/27/17 16:12	1

Method: 8082A - 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		03/25/17 07:29	03/27/17 18:15	1
PCB-1221	ND		0.50	0.18	ug/L		03/25/17 07:29	03/27/17 18:15	1
PCB-1232	ND		0.50	0.18	ug/L		03/25/17 07:29	03/27/17 18:15	1
PCB-1242	0.36	J	0.50	0.18	ug/L		03/25/17 07:29	03/27/17 18:15	1
PCB-1248	ND		0.50	0.18	ug/L		03/25/17 07:29	03/27/17 18:15	1
PCB-1254	ND		0.50	0.25	ug/L		03/25/17 07:29	03/27/17 18:15	1
PCB-1260	ND		0.50	0.25	ug/L		03/25/17 07:29	03/27/17 18:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	59		19 - 120	03/25/17 07:29	03/27/17 18:15	1
Tetrachloro-m-xylene	81		39 - 121	03/25/17 07:29	03/27/17 18:15	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.42		0.20	0.060	mg/L		03/27/17 09:25	03/27/17 23:56	1
Antimony	ND		0.020	0.0068	mg/L		03/27/17 09:25	03/27/17 23:56	1
Arsenic	ND		0.010	0.0056	mg/L		03/27/17 09:25	03/27/17 23:56	1
Barium	0.045		0.0020	0.00070	mg/L		03/27/17 09:25	03/27/17 23:56	1
Beryllium	ND		0.0020	0.00030	mg/L		03/27/17 09:25	03/27/17 23:56	1
Cadmium	ND		0.0010	0.00050	mg/L		03/27/17 09:25	03/27/17 23:56	1
Calcium	74.9		0.50	0.10	mg/L		03/27/17 09:25	03/27/17 23:56	1
Chromium	ND		0.0040	0.0010	mg/L		03/27/17 09:25	03/27/17 23:56	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-114997-1

Client Sample ID: DUP

Lab Sample ID: 480-114997-8

Date Collected: 03/23/17 00:00

Matrix: Water

Date Received: 03/23/17 15:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	ND		0.0040	0.00063	mg/L		03/27/17 09:25	03/27/17 23:56	1
Copper	0.0017	J	0.010	0.0016	mg/L		03/27/17 09:25	03/27/17 23:56	1
Iron	0.034	J	0.050	0.019	mg/L		03/27/17 09:25	03/27/17 23:56	1
Lead	ND		0.0050	0.0030	mg/L		03/27/17 09:25	03/27/17 23:56	1
Magnesium	0.16	J	0.20	0.043	mg/L		03/27/17 09:25	03/27/17 23:56	1
Manganese	ND		0.0030	0.00040	mg/L		03/27/17 09:25	03/27/17 23:56	1
Nickel	ND		0.010	0.0013	mg/L		03/27/17 09:25	03/27/17 23:56	1
Potassium	55.1		0.50	0.10	mg/L		03/27/17 09:25	03/27/17 23:56	1
Selenium	ND		0.015	0.0087	mg/L		03/27/17 09:25	03/27/17 23:56	1
Silver	ND		0.0030	0.0017	mg/L		03/27/17 09:25	03/27/17 23:56	1
Sodium	100		1.0	0.32	mg/L		03/27/17 09:25	03/27/17 23:56	1
Thallium	ND		0.020	0.010	mg/L		03/27/17 09:25	03/27/17 23:56	1
Vanadium	0.020		0.0050	0.0015	mg/L		03/27/17 09:25	03/27/17 23:56	1
Zinc	0.0023	J B	0.010	0.0015	mg/L		03/27/17 09:25	03/27/17 23:56	1

Method: 7470A_ASP - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		03/24/17 07:50	03/24/17 13:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.065		0.010	0.0050	mg/L		04/03/17 07:05	04/03/17 11:27	1

Client Sample ID: RW-4

Lab Sample ID: 480-114997-9

Date Collected: 03/23/17 13:30

Matrix: Water

Date Received: 03/23/17 15:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/24/17 04:18	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/24/17 04:18	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/24/17 04:18	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/24/17 04:18	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/24/17 04:18	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/24/17 04:18	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			03/24/17 04:18	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/24/17 04:18	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/24/17 04:18	1
2-Hexanone	ND		5.0	1.2	ug/L			03/24/17 04:18	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/24/17 04:18	1
Acetone	ND		10	3.0	ug/L			03/24/17 04:18	1
Benzene	ND		1.0	0.41	ug/L			03/24/17 04:18	1
Bromoform	ND		1.0	0.26	ug/L			03/24/17 04:18	1
Bromomethane	ND		1.0	0.69	ug/L			03/24/17 04:18	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/24/17 04:18	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/24/17 04:18	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/24/17 04:18	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/24/17 04:18	1
Chloroethane	ND		1.0	0.32	ug/L			03/24/17 04:18	1
Chloroform	ND		1.0	0.34	ug/L			03/24/17 04:18	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-114997-1

Client Sample ID: RW-4

Lab Sample ID: 480-114997-9

Date Collected: 03/23/17 13:30

Matrix: Water

Date Received: 03/23/17 15:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		1.0	0.35	ug/L			03/24/17 04:18	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/24/17 04:18	1
Ethylbenzene	1.7		1.0	0.74	ug/L			03/24/17 04:18	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/24/17 04:18	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/24/17 04:18	1
Toluene	ND		1.0	0.51	ug/L			03/24/17 04:18	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/24/17 04:18	1
Trichloroethene	ND		1.0	0.46	ug/L			03/24/17 04:18	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/24/17 04:18	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/24/17 04:18	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/24/17 04:18	1
Styrene	ND		1.0	0.73	ug/L			03/24/17 04:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		77 - 120		03/24/17 04:18	1
4-Bromofluorobenzene (Surr)	108		73 - 120		03/24/17 04:18	1
Toluene-d8 (Surr)	108		80 - 120		03/24/17 04:18	1
Dibromofluoromethane (Surr)	111		75 - 123		03/24/17 04:18	1

Method: 8270D - 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		03/24/17 14:17	03/29/17 19:55	1
1,2,4-Trichlorobenzene	ND		10	0.44	ug/L		03/24/17 14:17	03/29/17 19:55	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		03/24/17 14:17	03/29/17 19:55	1
1,2-Dichlorobenzene	ND		10	0.40	ug/L		03/24/17 14:17	03/29/17 19:55	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		03/24/17 14:17	03/29/17 19:55	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		03/24/17 14:17	03/29/17 19:55	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		03/24/17 14:17	03/29/17 19:55	1
1,3-Dichlorobenzene	ND		10	0.48	ug/L		03/24/17 14:17	03/29/17 19:55	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		03/24/17 14:17	03/29/17 19:55	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		03/24/17 14:17	03/29/17 19:55	1
1,4-Dichlorobenzene	ND		10	0.46	ug/L		03/24/17 14:17	03/29/17 19:55	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		03/24/17 14:17	03/29/17 19:55	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		03/24/17 14:17	03/29/17 19:55	1
2-Chlorophenol	ND		5.0	0.53	ug/L		03/24/17 14:17	03/29/17 19:55	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		03/24/17 14:17	03/29/17 19:55	1
2-Methylphenol	ND		5.0	0.40	ug/L		03/24/17 14:17	03/29/17 19:55	1
2-Nitroaniline	ND		10	0.42	ug/L		03/24/17 14:17	03/29/17 19:55	1
2-Nitrophenol	ND		5.0	0.48	ug/L		03/24/17 14:17	03/29/17 19:55	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		03/24/17 14:17	03/29/17 19:55	1
3-Nitroaniline	ND		10	0.48	ug/L		03/24/17 14:17	03/29/17 19:55	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		03/24/17 14:17	03/29/17 19:55	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		03/24/17 14:17	03/29/17 19:55	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		03/24/17 14:17	03/29/17 19:55	1
4-Chloroaniline	ND		5.0	0.59	ug/L		03/24/17 14:17	03/29/17 19:55	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		03/24/17 14:17	03/29/17 19:55	1
4-Methylphenol	ND		10	0.36	ug/L		03/24/17 14:17	03/29/17 19:55	1
4-Nitroaniline	ND		10	0.25	ug/L		03/24/17 14:17	03/29/17 19:55	1
4-Nitrophenol	ND		10	1.5	ug/L		03/24/17 14:17	03/29/17 19:55	1
Acenaphthene	0.49 J		5.0	0.41	ug/L		03/24/17 14:17	03/29/17 19:55	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-114997-1

Client Sample ID: RW-4

Lab Sample ID: 480-114997-9

Date Collected: 03/23/17 13:30

Matrix: Water

Date Received: 03/23/17 15:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	ND		5.0	0.38	ug/L		03/24/17 14:17	03/29/17 19:55	1
Anthracene	ND		5.0	0.28	ug/L		03/24/17 14:17	03/29/17 19:55	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		03/24/17 14:17	03/29/17 19:55	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		03/24/17 14:17	03/29/17 19:55	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		03/24/17 14:17	03/29/17 19:55	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		03/24/17 14:17	03/29/17 19:55	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		03/24/17 14:17	03/29/17 19:55	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		03/24/17 14:17	03/29/17 19:55	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		03/24/17 14:17	03/29/17 19:55	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		03/24/17 14:17	03/29/17 19:55	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		03/24/17 14:17	03/29/17 19:55	1
Carbazole	ND		5.0	0.30	ug/L		03/24/17 14:17	03/29/17 19:55	1
Chrysene	ND		5.0	0.33	ug/L		03/24/17 14:17	03/29/17 19:55	1
Di-n-butyl phthalate	0.39	J	5.0	0.31	ug/L		03/24/17 14:17	03/29/17 19:55	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		03/24/17 14:17	03/29/17 19:55	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		03/24/17 14:17	03/29/17 19:55	1
Dibenzofuran	ND		10	0.51	ug/L		03/24/17 14:17	03/29/17 19:55	1
Diethyl phthalate	0.70	J	5.0	0.22	ug/L		03/24/17 14:17	03/29/17 19:55	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		03/24/17 14:17	03/29/17 19:55	1
Fluoranthene	ND		5.0	0.40	ug/L		03/24/17 14:17	03/29/17 19:55	1
Fluorene	ND		5.0	0.36	ug/L		03/24/17 14:17	03/29/17 19:55	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		03/24/17 14:17	03/29/17 19:55	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		03/24/17 14:17	03/29/17 19:55	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		03/24/17 14:17	03/29/17 19:55	1
Hexachloroethane	ND		5.0	0.59	ug/L		03/24/17 14:17	03/29/17 19:55	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		03/24/17 14:17	03/29/17 19:55	1
Isophorone	ND		5.0	0.43	ug/L		03/24/17 14:17	03/29/17 19:55	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		03/24/17 14:17	03/29/17 19:55	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		03/24/17 14:17	03/29/17 19:55	1
Naphthalene	ND		5.0	0.76	ug/L		03/24/17 14:17	03/29/17 19:55	1
Nitrobenzene	ND		5.0	0.29	ug/L		03/24/17 14:17	03/29/17 19:55	1
Pentachlorophenol	ND		10	2.2	ug/L		03/24/17 14:17	03/29/17 19:55	1
Phenanthrene	ND		5.0	0.44	ug/L		03/24/17 14:17	03/29/17 19:55	1
Phenol	ND		5.0	0.39	ug/L		03/24/17 14:17	03/29/17 19:55	1
Pyrene	ND		5.0	0.34	ug/L		03/24/17 14:17	03/29/17 19:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	128	X	41 - 120	03/24/17 14:17	03/29/17 19:55	1
2-Fluorobiphenyl	85		48 - 120	03/24/17 14:17	03/29/17 19:55	1
2-Fluorophenol	60		35 - 120	03/24/17 14:17	03/29/17 19:55	1
Nitrobenzene-d5	88		46 - 120	03/24/17 14:17	03/29/17 19:55	1
p-Terphenyl-d14	96		59 - 136	03/24/17 14:17	03/29/17 19:55	1
Phenol-d5	45		22 - 120	03/24/17 14:17	03/29/17 19:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.52	0.18	ug/L		03/25/17 07:29	03/27/17 18:30	1
PCB-1221	ND		0.52	0.18	ug/L		03/25/17 07:29	03/27/17 18:30	1
PCB-1232	ND		0.52	0.18	ug/L		03/25/17 07:29	03/27/17 18:30	1
PCB-1242	ND		0.52	0.18	ug/L		03/25/17 07:29	03/27/17 18:30	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-114997-1

Client Sample ID: RW-4

Lab Sample ID: 480-114997-9

Date Collected: 03/23/17 13:30

Matrix: Water

Date Received: 03/23/17 15:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1248	ND		0.52	0.18	ug/L		03/25/17 07:29	03/27/17 18:30	1
PCB-1254	ND		0.52	0.26	ug/L		03/25/17 07:29	03/27/17 18:30	1
PCB-1260	ND		0.52	0.26	ug/L		03/25/17 07:29	03/27/17 18:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	66		19 - 120				03/25/17 07:29	03/27/17 18:30	1
Tetrachloro-m-xylene	90		39 - 121				03/25/17 07:29	03/27/17 18:30	1

Client Sample ID: RW-5

Lab Sample ID: 480-114997-10

Date Collected: 03/23/17 14:30

Matrix: Water

Date Received: 03/23/17 15:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/24/17 04:41	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/24/17 04:41	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/24/17 04:41	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/24/17 04:41	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/24/17 04:41	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/24/17 04:41	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			03/24/17 04:41	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/24/17 04:41	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/24/17 04:41	1
2-Hexanone	ND		5.0	1.2	ug/L			03/24/17 04:41	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/24/17 04:41	1
Acetone	ND		10	3.0	ug/L			03/24/17 04:41	1
Benzene	ND		1.0	0.41	ug/L			03/24/17 04:41	1
Bromoform	ND		1.0	0.26	ug/L			03/24/17 04:41	1
Bromomethane	ND		1.0	0.69	ug/L			03/24/17 04:41	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/24/17 04:41	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/24/17 04:41	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/24/17 04:41	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/24/17 04:41	1
Chloroethane	ND		1.0	0.32	ug/L			03/24/17 04:41	1
Chloroform	ND		1.0	0.34	ug/L			03/24/17 04:41	1
Chloromethane	ND		1.0	0.35	ug/L			03/24/17 04:41	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/24/17 04:41	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/24/17 04:41	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/24/17 04:41	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/24/17 04:41	1
Toluene	ND		1.0	0.51	ug/L			03/24/17 04:41	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/24/17 04:41	1
Trichloroethene	ND		1.0	0.46	ug/L			03/24/17 04:41	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/24/17 04:41	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/24/17 04:41	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/24/17 04:41	1
Styrene	ND		1.0	0.73	ug/L			03/24/17 04:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		77 - 120					03/24/17 04:41	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-114997-1

Client Sample ID: RW-5

Lab Sample ID: 480-114997-10

Date Collected: 03/23/17 14:30

Matrix: Water

Date Received: 03/23/17 15:30

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		73 - 120		03/24/17 04:41	1
Toluene-d8 (Surr)	101		80 - 120		03/24/17 04:41	1
Dibromofluoromethane (Surr)	106		75 - 123		03/24/17 04:41	1

Method: 8270D - 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		03/24/17 14:17	03/29/17 20:23	1
1,2,4-Trichlorobenzene	ND		10	0.44	ug/L		03/24/17 14:17	03/29/17 20:23	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		03/24/17 14:17	03/29/17 20:23	1
1,2-Dichlorobenzene	ND		10	0.40	ug/L		03/24/17 14:17	03/29/17 20:23	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		03/24/17 14:17	03/29/17 20:23	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		03/24/17 14:17	03/29/17 20:23	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		03/24/17 14:17	03/29/17 20:23	1
1,3-Dichlorobenzene	ND		10	0.48	ug/L		03/24/17 14:17	03/29/17 20:23	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		03/24/17 14:17	03/29/17 20:23	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		03/24/17 14:17	03/29/17 20:23	1
1,4-Dichlorobenzene	ND		10	0.46	ug/L		03/24/17 14:17	03/29/17 20:23	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		03/24/17 14:17	03/29/17 20:23	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		03/24/17 14:17	03/29/17 20:23	1
2-Chlorophenol	ND		5.0	0.53	ug/L		03/24/17 14:17	03/29/17 20:23	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		03/24/17 14:17	03/29/17 20:23	1
2-Methylphenol	ND		5.0	0.40	ug/L		03/24/17 14:17	03/29/17 20:23	1
2-Nitroaniline	ND		10	0.42	ug/L		03/24/17 14:17	03/29/17 20:23	1
2-Nitrophenol	ND		5.0	0.48	ug/L		03/24/17 14:17	03/29/17 20:23	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		03/24/17 14:17	03/29/17 20:23	1
3-Nitroaniline	ND		10	0.48	ug/L		03/24/17 14:17	03/29/17 20:23	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		03/24/17 14:17	03/29/17 20:23	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		03/24/17 14:17	03/29/17 20:23	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		03/24/17 14:17	03/29/17 20:23	1
4-Chloroaniline	ND		5.0	0.59	ug/L		03/24/17 14:17	03/29/17 20:23	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		03/24/17 14:17	03/29/17 20:23	1
4-Methylphenol	ND		10	0.36	ug/L		03/24/17 14:17	03/29/17 20:23	1
4-Nitroaniline	ND		10	0.25	ug/L		03/24/17 14:17	03/29/17 20:23	1
4-Nitrophenol	ND		10	1.5	ug/L		03/24/17 14:17	03/29/17 20:23	1
Acenaphthene	ND		5.0	0.41	ug/L		03/24/17 14:17	03/29/17 20:23	1
Acenaphthylene	ND		5.0	0.38	ug/L		03/24/17 14:17	03/29/17 20:23	1
Anthracene	ND		5.0	0.28	ug/L		03/24/17 14:17	03/29/17 20:23	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		03/24/17 14:17	03/29/17 20:23	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		03/24/17 14:17	03/29/17 20:23	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		03/24/17 14:17	03/29/17 20:23	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		03/24/17 14:17	03/29/17 20:23	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		03/24/17 14:17	03/29/17 20:23	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		03/24/17 14:17	03/29/17 20:23	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		03/24/17 14:17	03/29/17 20:23	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		03/24/17 14:17	03/29/17 20:23	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		03/24/17 14:17	03/29/17 20:23	1
Carbazole	ND		5.0	0.30	ug/L		03/24/17 14:17	03/29/17 20:23	1
Chrysene	ND		5.0	0.33	ug/L		03/24/17 14:17	03/29/17 20:23	1
Di-n-butyl phthalate	0.31	J	5.0	0.31	ug/L		03/24/17 14:17	03/29/17 20:23	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-114997-1

Client Sample ID: RW-5

Lab Sample ID: 480-114997-10

Date Collected: 03/23/17 14:30

Matrix: Water

Date Received: 03/23/17 15:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		03/24/17 14:17	03/29/17 20:23	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		03/24/17 14:17	03/29/17 20:23	1
Dibenzofuran	ND		10	0.51	ug/L		03/24/17 14:17	03/29/17 20:23	1
Diethyl phthalate	ND		5.0	0.22	ug/L		03/24/17 14:17	03/29/17 20:23	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		03/24/17 14:17	03/29/17 20:23	1
Fluoranthene	ND		5.0	0.40	ug/L		03/24/17 14:17	03/29/17 20:23	1
Fluorene	ND		5.0	0.36	ug/L		03/24/17 14:17	03/29/17 20:23	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		03/24/17 14:17	03/29/17 20:23	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		03/24/17 14:17	03/29/17 20:23	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		03/24/17 14:17	03/29/17 20:23	1
Hexachloroethane	ND		5.0	0.59	ug/L		03/24/17 14:17	03/29/17 20:23	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		03/24/17 14:17	03/29/17 20:23	1
Isophorone	ND		5.0	0.43	ug/L		03/24/17 14:17	03/29/17 20:23	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		03/24/17 14:17	03/29/17 20:23	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		03/24/17 14:17	03/29/17 20:23	1
Naphthalene	ND		5.0	0.76	ug/L		03/24/17 14:17	03/29/17 20:23	1
Nitrobenzene	ND		5.0	0.29	ug/L		03/24/17 14:17	03/29/17 20:23	1
Pentachlorophenol	ND		10	2.2	ug/L		03/24/17 14:17	03/29/17 20:23	1
Phenanthrene	ND		5.0	0.44	ug/L		03/24/17 14:17	03/29/17 20:23	1
Phenol	ND		5.0	0.39	ug/L		03/24/17 14:17	03/29/17 20:23	1
Pyrene	ND		5.0	0.34	ug/L		03/24/17 14:17	03/29/17 20:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	95		41 - 120	03/24/17 14:17	03/29/17 20:23	1
2-Fluorobiphenyl	83		48 - 120	03/24/17 14:17	03/29/17 20:23	1
2-Fluorophenol	61		35 - 120	03/24/17 14:17	03/29/17 20:23	1
Nitrobenzene-d5	90		46 - 120	03/24/17 14:17	03/29/17 20:23	1
p-Terphenyl-d14	84		59 - 136	03/24/17 14:17	03/29/17 20:23	1
Phenol-d5	46		22 - 120	03/24/17 14:17	03/29/17 20:23	1

Method: 8082A - 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		03/25/17 07:38	03/27/17 18:45	1
PCB-1221	ND		0.50	0.18	ug/L		03/25/17 07:38	03/27/17 18:45	1
PCB-1232	ND		0.50	0.18	ug/L		03/25/17 07:38	03/27/17 18:45	1
PCB-1242	ND		0.50	0.18	ug/L		03/25/17 07:38	03/27/17 18:45	1
PCB-1248	ND		0.50	0.18	ug/L		03/25/17 07:38	03/27/17 18:45	1
PCB-1254	ND		0.50	0.25	ug/L		03/25/17 07:38	03/27/17 18:45	1
PCB-1260	ND		0.50	0.25	ug/L		03/25/17 07:38	03/27/17 18:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	86		19 - 120	03/25/17 07:38	03/27/17 18:45	1
Tetrachloro-m-xylene	104		39 - 121	03/25/17 07:38	03/27/17 18:45	1

TestAmerica Buffalo

Surrogate Summary

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

TestAmerica Job ID: 480-114997-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		12DCE (77-120)	BFB (73-120)	TOL (80-120)	DBFM (75-123)
480-114997-1	MW-4	100	110	104	102
480-114997-2	MW-5	104	104	102	106
480-114997-3	MW-6	102	104	100	103
480-114997-3 MS	MW-6	95	105	104	106
480-114997-3 MSD	MW-6	94	103	104	103
480-114997-4	S-4	105	85	101	94
480-114997-5	S-1	104	85	100	92
480-114997-6	S-2	106	85	101	96
480-114997-7	S-3	101	105	106	102
480-114997-8	DUP	102	107	102	101
480-114997-9	RW-4	108	108	108	111
480-114997-10	RW-5	102	109	101	106
LCS 480-348669/5	Lab Control Sample	100	108	105	104
LCS 480-348672/4	Lab Control Sample	103	86	104	98
LCS 480-349246/5	Lab Control Sample	101	108	100	107
MB 480-348669/7	Method Blank	97	111	105	104
MB 480-348672/7	Method Blank	105	83	101	92
MB 480-349246/7	Method Blank	100	111	102	106

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

TOL = Toluene-d8 (Surr)

DBFM = Dibromofluoromethane (Surr)

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (41-120)	FBP (48-120)	2FP (35-120)	NBZ (46-120)	TPH (59-136)	PHL (22-120)
480-114997-1	MW-4	120	90	71	101	88	50
480-114997-2	MW-5	71	87	48	98	84	34
480-114997-3	MW-6	105	94	67	102	86	48
480-114997-3 MS	MW-6	119	88	70	95	68	54
480-114997-3 MSD	MW-6	88	66	56	72	62	42
480-114997-4	S-4	88	64	48	70	58 X	34
480-114997-5	S-1	100	93	72	105	95	51
480-114997-6	S-2	59	90	65	97	95	47
480-114997-7	S-3	130 X	91	71	53	95	53
480-114997-8	DUP	130 X	97	78	56	97	55
480-114997-9	RW-4	128 X	85	60	88	96	45
480-114997-10	RW-5	95	83	61	90	84	46
LCS 480-348780/2-A	Lab Control Sample	108	84	68	90	98	54
MB 480-348780/1-A	Method Blank	82	86	62	94	98	47

Surrogate Legend

TBP = 2,4,6-Tribromophenol

FBP = 2-Fluorobiphenyl

2FP = 2-Fluorophenol

TestAmerica Buffalo

Surrogate Summary

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

TestAmerica Job ID: 480-114997-1

NBZ = Nitrobenzene-d5

TPH = p-Terphenyl-d14

PHL = Phenol-d5

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DCB2 (20-120)	TCX2 (44-120)
480-114997-4	S-4	42	83
480-114997-5	S-1	52	89
480-114997-6	S-2	58	79
480-114997-7	S-3	53	81
480-114997-8	DUP	58	85
LCS 480-348826/2-A	Lab Control Sample	52	72
LCSD 480-348826/3-A	Lab Control Sample Dup	57	82
MB 480-348826/1-A	Method Blank	44	70

Surrogate Legend

DCB = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Method: 8082A - 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 (39-121)
480-114997-1	MW-4	72	104
480-114997-2	MW-5	62	94
480-114997-3	MW-6	117	107
480-114997-3 MS	MW-6	85	110
480-114997-3 MSD	MW-6	73	96
480-114997-4	S-4	59	127 X
480-114997-5	S-1	68	108
480-114997-6	S-2	76	93
480-114997-7	S-3	63	90
480-114997-8	DUP	59	81
480-114997-9	RW-4	66	90
480-114997-10	RW-5	86	104
LCS 480-348827/2-A	Lab Control Sample	67	108
MB 480-348827/1-A	Method Blank	67	96

Surrogate Legend

DCB = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-114997-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-348669/7

Matrix: Water

Analysis Batch: 348669

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			03/23/17 22:08	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/23/17 22:08	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/23/17 22:08	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/23/17 22:08	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/23/17 22:08	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/23/17 22:08	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			03/23/17 22:08	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/23/17 22:08	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/23/17 22:08	1
2-Hexanone	ND		5.0	1.2	ug/L			03/23/17 22:08	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/23/17 22:08	1
Acetone	ND		10	3.0	ug/L			03/23/17 22:08	1
Benzene	ND		1.0	0.41	ug/L			03/23/17 22:08	1
Bromoform	ND		1.0	0.26	ug/L			03/23/17 22:08	1
Bromomethane	ND		1.0	0.69	ug/L			03/23/17 22:08	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/23/17 22:08	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/23/17 22:08	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/23/17 22:08	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/23/17 22:08	1
Chloroethane	ND		1.0	0.32	ug/L			03/23/17 22:08	1
Chloroform	ND		1.0	0.34	ug/L			03/23/17 22:08	1
Chloromethane	ND		1.0	0.35	ug/L			03/23/17 22:08	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/23/17 22:08	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/23/17 22:08	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/23/17 22:08	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/23/17 22:08	1
Toluene	ND		1.0	0.51	ug/L			03/23/17 22:08	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/23/17 22:08	1
Trichloroethene	ND		1.0	0.46	ug/L			03/23/17 22:08	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/23/17 22:08	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/23/17 22:08	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/23/17 22:08	1
Styrene	ND		1.0	0.73	ug/L			03/23/17 22:08	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		77 - 120		03/23/17 22:08	1
4-Bromofluorobenzene (Surr)	111		73 - 120		03/23/17 22:08	1
Toluene-d8 (Surr)	105		80 - 120		03/23/17 22:08	1
Dibromofluoromethane (Surr)	104		75 - 123		03/23/17 22:08	1

Lab Sample ID: LCS 480-348669/5

Matrix: Water

Analysis Batch: 348669

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	25.5		ug/L		102	73 - 126
1,1,2,2-Tetrachloroethane	25.0	23.5		ug/L		94	76 - 120
1,1,2-Trichloroethane	25.0	25.0		ug/L		100	76 - 122

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-114997-1

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

Lab Sample ID: LCS 480-348669/5

Matrix: Water

Analysis Batch: 348669

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	24.2		ug/L		97	77 - 120
1,1-Dichloroethene	25.0	24.3		ug/L		97	66 - 127
1,2-Dichloroethane	25.0	24.9		ug/L		100	75 - 120
1,2-Dichloropropane	25.0	24.6		ug/L		98	76 - 120
2-Butanone (MEK)	125	129		ug/L		103	57 - 140
2-Hexanone	125	123		ug/L		99	65 - 127
4-Methyl-2-pentanone (MIBK)	125	122		ug/L		98	71 - 125
Acetone	125	147		ug/L		118	56 - 142
Benzene	25.0	24.3		ug/L		97	71 - 124
Bromoform	25.0	26.9		ug/L		108	61 - 132
Bromomethane	25.0	23.7		ug/L		95	55 - 144
Carbon disulfide	25.0	22.0		ug/L		88	59 - 134
Carbon tetrachloride	25.0	25.6		ug/L		102	72 - 134
Chlorobenzene	25.0	24.9		ug/L		100	80 - 120
Dibromochloromethane	25.0	26.1		ug/L		104	75 - 125
Chloroethane	25.0	24.2		ug/L		97	69 - 136
Chloroform	25.0	23.7		ug/L		95	73 - 127
Chloromethane	25.0	20.5		ug/L		82	68 - 124
Bromodichloromethane	25.0	24.4		ug/L		97	80 - 122
Ethylbenzene	25.0	25.5		ug/L		102	77 - 123
Methylene Chloride	25.0	24.8		ug/L		99	75 - 124
Tetrachloroethene	25.0	26.8		ug/L		107	74 - 122
Toluene	25.0	25.6		ug/L		102	80 - 122
trans-1,3-Dichloropropene	25.0	25.6		ug/L		102	80 - 120
Trichloroethene	25.0	25.2		ug/L		101	74 - 123
Vinyl chloride	25.0	23.6		ug/L		94	65 - 133
cis-1,3-Dichloropropene	25.0	23.3		ug/L		93	74 - 124
Styrene	25.0	26.3		ug/L		105	80 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	100		77 - 120
4-Bromofluorobenzene (Surr)	108		73 - 120
Toluene-d8 (Surr)	105		80 - 120
Dibromofluoromethane (Surr)	104		75 - 123

Lab Sample ID: MB 480-348672/7

Matrix: Water

Analysis Batch: 348672

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			03/23/17 23:30	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/23/17 23:30	1
1,1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/23/17 23:30	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/23/17 23:30	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/23/17 23:30	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/23/17 23:30	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			03/23/17 23:30	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/23/17 23:30	1

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-114997-1

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

Lab Sample ID: MB 480-348672/7

Matrix: Water

Analysis Batch: 348672

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		10	1.3	ug/L			03/23/17 23:30	1
2-Hexanone	ND		5.0	1.2	ug/L			03/23/17 23:30	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/23/17 23:30	1
Acetone	ND		10	3.0	ug/L			03/23/17 23:30	1
Benzene	ND		1.0	0.41	ug/L			03/23/17 23:30	1
Bromoform	ND		1.0	0.26	ug/L			03/23/17 23:30	1
Bromomethane	ND		1.0	0.69	ug/L			03/23/17 23:30	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/23/17 23:30	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/23/17 23:30	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/23/17 23:30	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/23/17 23:30	1
Chloroethane	ND		1.0	0.32	ug/L			03/23/17 23:30	1
Chloroform	ND		1.0	0.34	ug/L			03/23/17 23:30	1
Chloromethane	ND		1.0	0.35	ug/L			03/23/17 23:30	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/23/17 23:30	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/23/17 23:30	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/23/17 23:30	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/23/17 23:30	1
Toluene	ND		1.0	0.51	ug/L			03/23/17 23:30	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/23/17 23:30	1
Trichloroethene	ND		1.0	0.46	ug/L			03/23/17 23:30	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/23/17 23:30	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/23/17 23:30	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/23/17 23:30	1
Styrene	ND		1.0	0.73	ug/L			03/23/17 23:30	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		77 - 120		03/23/17 23:30	1
4-Bromofluorobenzene (Surr)	83		73 - 120		03/23/17 23:30	1
Toluene-d8 (Surr)	101		80 - 120		03/23/17 23:30	1
Dibromofluoromethane (Surr)	92		75 - 123		03/23/17 23:30	1

Lab Sample ID: LCS 480-348672/4

Matrix: Water

Analysis Batch: 348672

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	25.5		ug/L		102	73 - 126
1,1,2,2-Tetrachloroethane	25.0	28.1		ug/L		112	76 - 120
1,1,2-Trichloroethane	25.0	26.7		ug/L		107	76 - 122
1,1-Dichloroethane	25.0	27.7		ug/L		111	77 - 120
1,1-Dichloroethene	25.0	24.0		ug/L		96	66 - 127
1,2-Dichloroethane	25.0	26.9		ug/L		107	75 - 120
1,2-Dichloropropane	25.0	29.1		ug/L		116	76 - 120
2-Butanone (MEK)	125	142		ug/L		114	57 - 140
2-Hexanone	125	138		ug/L		110	65 - 127
4-Methyl-2-pentanone (MIBK)	125	146		ug/L		117	71 - 125
Acetone	125	146		ug/L		117	56 - 142

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-114997-1

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

Lab Sample ID: LCS 480-348672/4

Matrix: Water

Analysis Batch: 348672

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	25.0	26.1		ug/L		105	71 - 124
Bromoform	25.0	21.1		ug/L		85	61 - 132
Bromomethane	25.0	26.5		ug/L		106	55 - 144
Carbon disulfide	25.0	24.2		ug/L		97	59 - 134
Carbon tetrachloride	25.0	23.7		ug/L		95	72 - 134
Chlorobenzene	25.0	25.8		ug/L		103	80 - 120
Dibromochloromethane	25.0	25.4		ug/L		102	75 - 125
Chloroethane	25.0	28.2		ug/L		113	69 - 136
Chloroform	25.0	25.3		ug/L		101	73 - 127
Chloromethane	25.0	27.5		ug/L		110	68 - 124
Bromodichloromethane	25.0	24.9		ug/L		100	80 - 122
Ethylbenzene	25.0	25.7		ug/L		103	77 - 123
Methylene Chloride	25.0	24.3		ug/L		97	75 - 124
Tetrachloroethene	25.0	22.8		ug/L		91	74 - 122
Toluene	25.0	27.3		ug/L		109	80 - 122
trans-1,3-Dichloropropene	25.0	27.5		ug/L		110	80 - 120
Trichloroethene	25.0	26.3		ug/L		105	74 - 123
Vinyl chloride	25.0	28.5		ug/L		114	65 - 133
cis-1,3-Dichloropropene	25.0	25.7		ug/L		103	74 - 124
Styrene	25.0	26.5		ug/L		106	80 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	103		77 - 120
4-Bromofluorobenzene (Surr)	86		73 - 120
Toluene-d8 (Surr)	104		80 - 120
Dibromofluoromethane (Surr)	98		75 - 123

Lab Sample ID: MB 480-349246/7

Matrix: Water

Analysis Batch: 349246

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			03/29/17 11:22	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/29/17 11:22	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/29/17 11:22	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/29/17 11:22	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/29/17 11:22	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/29/17 11:22	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			03/29/17 11:22	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/29/17 11:22	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/29/17 11:22	1
2-Hexanone	ND		5.0	1.2	ug/L			03/29/17 11:22	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/29/17 11:22	1
Acetone	ND		10	3.0	ug/L			03/29/17 11:22	1
Benzene	ND		1.0	0.41	ug/L			03/29/17 11:22	1
Bromoform	ND		1.0	0.26	ug/L			03/29/17 11:22	1
Bromomethane	ND		1.0	0.69	ug/L			03/29/17 11:22	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/29/17 11:22	1

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-114997-1

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

Lab Sample ID: MB 480-349246/7

Matrix: Water

Analysis Batch: 349246

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/29/17 11:22	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/29/17 11:22	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/29/17 11:22	1
Chloroethane	ND		1.0	0.32	ug/L			03/29/17 11:22	1
Chloroform	ND		1.0	0.34	ug/L			03/29/17 11:22	1
Chloromethane	ND		1.0	0.35	ug/L			03/29/17 11:22	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/29/17 11:22	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/29/17 11:22	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/29/17 11:22	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/29/17 11:22	1
Toluene	ND		1.0	0.51	ug/L			03/29/17 11:22	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/29/17 11:22	1
Trichloroethene	ND		1.0	0.46	ug/L			03/29/17 11:22	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/29/17 11:22	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/29/17 11:22	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/29/17 11:22	1
Styrene	ND		1.0	0.73	ug/L			03/29/17 11:22	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		77 - 120		03/29/17 11:22	1
4-Bromofluorobenzene (Surr)	111		73 - 120		03/29/17 11:22	1
Toluene-d8 (Surr)	102		80 - 120		03/29/17 11:22	1
Dibromofluoromethane (Surr)	106		75 - 123		03/29/17 11:22	1

Lab Sample ID: LCS 480-349246/5

Matrix: Water

Analysis Batch: 349246

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	26.8		ug/L		107	73 - 126
1,1,2,2-Tetrachloroethane	25.0	22.8		ug/L		91	76 - 120
1,1,2-Trichloroethane	25.0	23.9		ug/L		96	76 - 122
1,1-Dichloroethane	25.0	24.1		ug/L		96	77 - 120
1,1-Dichloroethene	25.0	24.7		ug/L		99	66 - 127
1,2-Dichloroethane	25.0	24.8		ug/L		99	75 - 120
1,2-Dichloropropane	25.0	24.5		ug/L		98	76 - 120
2-Butanone (MEK)	125	119		ug/L		96	57 - 140
2-Hexanone	125	113		ug/L		91	65 - 127
4-Methyl-2-pentanone (MIBK)	125	111		ug/L		89	71 - 125
Acetone	125	146		ug/L		117	56 - 142
Benzene	25.0	24.8		ug/L		99	71 - 124
Bromoform	25.0	24.0		ug/L		96	61 - 132
Bromomethane	25.0	24.1		ug/L		96	55 - 144
Carbon disulfide	25.0	22.7		ug/L		91	59 - 134
Carbon tetrachloride	25.0	26.6		ug/L		106	72 - 134
Chlorobenzene	25.0	25.9		ug/L		104	80 - 120
Dibromochloromethane	25.0	26.0		ug/L		104	75 - 125
Chloroethane	25.0	24.0		ug/L		96	69 - 136

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-114997-1

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

Lab Sample ID: LCS 480-349246/5

Matrix: Water

Analysis Batch: 349246

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloroform	25.0	24.1		ug/L		96	73 - 127
Chloromethane	25.0	20.9		ug/L		84	68 - 124
Bromodichloromethane	25.0	26.0		ug/L		104	80 - 122
Ethylbenzene	25.0	24.8		ug/L		99	77 - 123
Methylene Chloride	25.0	26.2		ug/L		105	75 - 124
Tetrachloroethene	25.0	26.0		ug/L		104	74 - 122
Toluene	25.0	25.8		ug/L		103	80 - 122
trans-1,3-Dichloropropene	25.0	25.9		ug/L		104	80 - 120
Trichloroethene	25.0	24.9		ug/L		100	74 - 123
Vinyl chloride	25.0	24.1		ug/L		96	65 - 133
cis-1,3-Dichloropropene	25.0	26.0		ug/L		104	74 - 124
Styrene	25.0	25.6		ug/L		102	80 - 120

Surrogate	%Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	101		77 - 120
4-Bromofluorobenzene (Surr)	108		73 - 120
Toluene-d8 (Surr)	100		80 - 120
Dibromofluoromethane (Surr)	107		75 - 123

Lab Sample ID: 480-114997-3 MS

Matrix: Water

Analysis Batch: 349246

Client Sample ID: MW-6

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	ND		25.0	24.4		ug/L		97	73 - 126
1,1,1,2,2-Tetrachloroethane	ND		25.0	20.9		ug/L		83	76 - 120
1,1,2-Trichloroethane	ND		25.0	22.1		ug/L		88	76 - 122
1,1-Dichloroethane	ND		25.0	22.1		ug/L		88	77 - 120
1,1-Dichloroethene	ND		25.0	22.4		ug/L		90	66 - 127
1,2-Dichloroethane	ND		25.0	22.3		ug/L		89	75 - 120
1,2-Dichloropropane	ND		25.0	21.8		ug/L		87	76 - 120
2-Butanone (MEK)	ND		125	93.8		ug/L		75	57 - 140
2-Hexanone	ND		125	96.3		ug/L		77	65 - 127
4-Methyl-2-pentanone (MIBK)	ND		125	96.8		ug/L		77	71 - 125
Acetone	ND		125	86.2		ug/L		69	56 - 142
Benzene	ND		25.0	22.1		ug/L		88	71 - 124
Bromoform	ND		25.0	23.0		ug/L		92	61 - 132
Bromomethane	ND		25.0	24.0		ug/L		96	55 - 144
Carbon disulfide	ND		25.0	20.3		ug/L		81	59 - 134
Carbon tetrachloride	ND		25.0	24.6		ug/L		99	72 - 134
Chlorobenzene	ND		25.0	24.4		ug/L		98	80 - 120
Dibromochloromethane	ND		25.0	23.0		ug/L		92	75 - 125
Chloroethane	ND		25.0	25.2		ug/L		101	69 - 136
Chloroform	ND		25.0	22.5		ug/L		90	73 - 127
Chloromethane	ND		25.0	21.7		ug/L		87	68 - 124
Bromodichloromethane	ND		25.0	22.6		ug/L		90	80 - 122
Ethylbenzene	ND		25.0	22.7		ug/L		91	77 - 123
Methylene Chloride	ND		25.0	23.3		ug/L		93	75 - 124

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-114997-1

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

Lab Sample ID: 480-114997-3 MS

Matrix: Water

Analysis Batch: 349246

Client Sample ID: MW-6

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Tetrachloroethene	ND		25.0	25.9		ug/L		104	74 - 122
Toluene	ND		25.0	23.1		ug/L		92	80 - 122
trans-1,3-Dichloropropene	ND		25.0	20.8		ug/L		83	80 - 120
Trichloroethene	ND		25.0	22.2		ug/L		89	74 - 123
Vinyl chloride	ND		25.0	25.4		ug/L		102	65 - 133
cis-1,3-Dichloropropene	ND		25.0	21.6		ug/L		86	74 - 124
Styrene	ND		25.0	22.6		ug/L		90	80 - 120
Surrogate	MS %Recovery	MS Qualifier	Limits						
1,2-Dichloroethane-d4 (Surr)	95		77 - 120						
4-Bromofluorobenzene (Surr)	105		73 - 120						
Toluene-d8 (Surr)	104		80 - 120						
Dibromofluoromethane (Surr)	106		75 - 123						

Lab Sample ID: 480-114997-3 MSD

Matrix: Water

Analysis Batch: 349246

Client Sample ID: MW-6

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND		25.0	22.8		ug/L		91	73 - 126	7	15
1,1,2,2-Tetrachloroethane	ND		25.0	20.7		ug/L		83	76 - 120	1	15
1,1,2-Trichloroethane	ND		25.0	21.5		ug/L		86	76 - 122	2	15
1,1-Dichloroethane	ND		25.0	21.2		ug/L		85	77 - 120	4	20
1,1-Dichloroethene	ND		25.0	21.2		ug/L		85	66 - 127	6	16
1,2-Dichloroethane	ND		25.0	22.1		ug/L		88	75 - 120	1	20
1,2-Dichloropropane	ND		25.0	20.9		ug/L		84	76 - 120	4	20
2-Butanone (MEK)	ND		125	90.1		ug/L		72	57 - 140	4	20
2-Hexanone	ND		125	92.9		ug/L		74	65 - 127	4	15
4-Methyl-2-pentanone (MIBK)	ND		125	98.5		ug/L		79	71 - 125	2	35
Acetone	ND		125	89.0		ug/L		71	56 - 142	3	15
Benzene	ND		25.0	22.0		ug/L		88	71 - 124	1	13
Bromoform	ND		25.0	21.4		ug/L		86	61 - 132	7	15
Bromomethane	ND		25.0	26.0		ug/L		104	55 - 144	8	15
Carbon disulfide	ND		25.0	19.2		ug/L		77	59 - 134	5	15
Carbon tetrachloride	ND		25.0	22.7		ug/L		91	72 - 134	8	15
Chlorobenzene	ND		25.0	22.4		ug/L		90	80 - 120	9	25
Dibromochloromethane	ND		25.0	22.8		ug/L		91	75 - 125	1	15
Chloroethane	ND		25.0	24.7		ug/L		99	69 - 136	2	15
Chloroform	ND		25.0	21.6		ug/L		86	73 - 127	4	20
Chloromethane	ND		25.0	22.8		ug/L		91	68 - 124	5	15
Bromodichloromethane	ND		25.0	22.4		ug/L		90	80 - 122	1	15
Ethylbenzene	ND		25.0	21.6		ug/L		87	77 - 123	5	15
Methylene Chloride	ND		25.0	22.4		ug/L		89	75 - 124	4	15
Tetrachloroethene	ND		25.0	23.3		ug/L		93	74 - 122	11	20
Toluene	ND		25.0	22.8		ug/L		91	80 - 122	1	15
trans-1,3-Dichloropropene	ND		25.0	21.7		ug/L		87	80 - 120	5	15
Trichloroethene	ND		25.0	22.2		ug/L		89	74 - 123	0	16
Vinyl chloride	ND		25.0	25.0		ug/L		100	65 - 133	1	15

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-114997-1

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

Lab Sample ID: 480-114997-3 MSD

Matrix: Water

Analysis Batch: 349246

Client Sample ID: MW-6

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	ND		25.0	21.2		ug/L		85	74 - 124	2	15
Styrene	ND		25.0	22.3		ug/L		89	80 - 120	1	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1,2-Dichloroethane-d4 (Surr)	94		77 - 120								
4-Bromofluorobenzene (Surr)	103		73 - 120								
Toluene-d8 (Surr)	104		80 - 120								
Dibromofluoromethane (Surr)	103		75 - 123								

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

Lab Sample ID: MB 480-348780/1-A

Matrix: Water

Analysis Batch: 349308

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 348780

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		03/24/17 14:17	03/29/17 14:29	1
1,2,4-Trichlorobenzene	ND		10	0.44	ug/L		03/24/17 14:17	03/29/17 14:29	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		03/24/17 14:17	03/29/17 14:29	1
1,2-Dichlorobenzene	ND		10	0.40	ug/L		03/24/17 14:17	03/29/17 14:29	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		03/24/17 14:17	03/29/17 14:29	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		03/24/17 14:17	03/29/17 14:29	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		03/24/17 14:17	03/29/17 14:29	1
1,3-Dichlorobenzene	ND		10	0.48	ug/L		03/24/17 14:17	03/29/17 14:29	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		03/24/17 14:17	03/29/17 14:29	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		03/24/17 14:17	03/29/17 14:29	1
1,4-Dichlorobenzene	ND		10	0.46	ug/L		03/24/17 14:17	03/29/17 14:29	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		03/24/17 14:17	03/29/17 14:29	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		03/24/17 14:17	03/29/17 14:29	1
2-Chlorophenol	ND		5.0	0.53	ug/L		03/24/17 14:17	03/29/17 14:29	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		03/24/17 14:17	03/29/17 14:29	1
2-Methylphenol	ND		5.0	0.40	ug/L		03/24/17 14:17	03/29/17 14:29	1
2-Nitroaniline	ND		10	0.42	ug/L		03/24/17 14:17	03/29/17 14:29	1
2-Nitrophenol	ND		5.0	0.48	ug/L		03/24/17 14:17	03/29/17 14:29	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		03/24/17 14:17	03/29/17 14:29	1
3-Nitroaniline	ND		10	0.48	ug/L		03/24/17 14:17	03/29/17 14:29	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		03/24/17 14:17	03/29/17 14:29	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		03/24/17 14:17	03/29/17 14:29	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		03/24/17 14:17	03/29/17 14:29	1
4-Chloroaniline	ND		5.0	0.59	ug/L		03/24/17 14:17	03/29/17 14:29	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		03/24/17 14:17	03/29/17 14:29	1
4-Methylphenol	ND		10	0.36	ug/L		03/24/17 14:17	03/29/17 14:29	1
4-Nitroaniline	ND		10	0.25	ug/L		03/24/17 14:17	03/29/17 14:29	1
4-Nitrophenol	ND		10	1.5	ug/L		03/24/17 14:17	03/29/17 14:29	1
Acenaphthene	ND		5.0	0.41	ug/L		03/24/17 14:17	03/29/17 14:29	1
Acenaphthylene	ND		5.0	0.38	ug/L		03/24/17 14:17	03/29/17 14:29	1
Anthracene	ND		5.0	0.28	ug/L		03/24/17 14:17	03/29/17 14:29	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		03/24/17 14:17	03/29/17 14:29	1

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-114997-1

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

Lab Sample ID: MB 480-348780/1-A

Matrix: Water

Analysis Batch: 349308

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 348780

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	ND		5.0	0.47	ug/L		03/24/17 14:17	03/29/17 14:29	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		03/24/17 14:17	03/29/17 14:29	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		03/24/17 14:17	03/29/17 14:29	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		03/24/17 14:17	03/29/17 14:29	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		03/24/17 14:17	03/29/17 14:29	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		03/24/17 14:17	03/29/17 14:29	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		03/24/17 14:17	03/29/17 14:29	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		03/24/17 14:17	03/29/17 14:29	1
Carbazole	ND		5.0	0.30	ug/L		03/24/17 14:17	03/29/17 14:29	1
Chrysene	ND		5.0	0.33	ug/L		03/24/17 14:17	03/29/17 14:29	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		03/24/17 14:17	03/29/17 14:29	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		03/24/17 14:17	03/29/17 14:29	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		03/24/17 14:17	03/29/17 14:29	1
Dibenzofuran	ND		10	0.51	ug/L		03/24/17 14:17	03/29/17 14:29	1
Diethyl phthalate	ND		5.0	0.22	ug/L		03/24/17 14:17	03/29/17 14:29	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		03/24/17 14:17	03/29/17 14:29	1
Fluoranthene	ND		5.0	0.40	ug/L		03/24/17 14:17	03/29/17 14:29	1
Fluorene	ND		5.0	0.36	ug/L		03/24/17 14:17	03/29/17 14:29	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		03/24/17 14:17	03/29/17 14:29	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		03/24/17 14:17	03/29/17 14:29	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		03/24/17 14:17	03/29/17 14:29	1
Hexachloroethane	ND		5.0	0.59	ug/L		03/24/17 14:17	03/29/17 14:29	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		03/24/17 14:17	03/29/17 14:29	1
Isophorone	ND		5.0	0.43	ug/L		03/24/17 14:17	03/29/17 14:29	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		03/24/17 14:17	03/29/17 14:29	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		03/24/17 14:17	03/29/17 14:29	1
Naphthalene	ND		5.0	0.76	ug/L		03/24/17 14:17	03/29/17 14:29	1
Nitrobenzene	ND		5.0	0.29	ug/L		03/24/17 14:17	03/29/17 14:29	1
Pentachlorophenol	ND		10	2.2	ug/L		03/24/17 14:17	03/29/17 14:29	1
Phenanthrene	ND		5.0	0.44	ug/L		03/24/17 14:17	03/29/17 14:29	1
Phenol	ND		5.0	0.39	ug/L		03/24/17 14:17	03/29/17 14:29	1
Pyrene	ND		5.0	0.34	ug/L		03/24/17 14:17	03/29/17 14:29	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	82		41 - 120	03/24/17 14:17	03/29/17 14:29	1
2-Fluorobiphenyl	86		48 - 120	03/24/17 14:17	03/29/17 14:29	1
2-Fluorophenol	62		35 - 120	03/24/17 14:17	03/29/17 14:29	1
Nitrobenzene-d5	94		46 - 120	03/24/17 14:17	03/29/17 14:29	1
p-Terphenyl-d14	98		59 - 136	03/24/17 14:17	03/29/17 14:29	1
Phenol-d5	47		22 - 120	03/24/17 14:17	03/29/17 14:29	1

Lab Sample ID: LCS 480-348780/2-A

Matrix: Water

Analysis Batch: 349308

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 348780

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
bis (2-chloroisopropyl) ether	32.0	23.4		ug/L		73	21 - 136
1,2,4-Trichlorobenzene	32.0	26.0		ug/L		81	40 - 120

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-114997-1

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

Lab Sample ID: LCS 480-348780/2-A

Matrix: Water

Analysis Batch: 349308

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 348780

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4,5-Trichlorophenol	32.0	31.9		ug/L		100	65 - 126
1,2-Dichlorobenzene	32.0	25.4		ug/L		79	49 - 120
2,4,6-Trichlorophenol	32.0	28.0		ug/L		87	64 - 120
2,4-Dichlorophenol	32.0	29.9		ug/L		93	63 - 120
2,4-Dimethylphenol	32.0	28.5		ug/L		89	47 - 120
1,3-Dichlorobenzene	32.0	24.7		ug/L		77	50 - 120
2,4-Dinitrophenol	64.0	67.9		ug/L		106	31 - 137
2,4-Dinitrotoluene	32.0	32.5		ug/L		102	69 - 120
1,4-Dichlorobenzene	32.0	24.7		ug/L		77	51 - 120
2,6-Dinitrotoluene	32.0	32.2		ug/L		101	68 - 120
2-Chloronaphthalene	32.0	26.8		ug/L		84	58 - 120
2-Chlorophenol	32.0	26.6		ug/L		83	48 - 120
2-Methylnaphthalene	32.0	27.2		ug/L		85	59 - 120
2-Methylphenol	32.0	27.7		ug/L		87	39 - 120
2-Nitroaniline	32.0	30.1		ug/L		94	54 - 127
2-Nitrophenol	32.0	29.2		ug/L		91	52 - 125
3,3'-Dichlorobenzidine	64.0	73.2	E	ug/L		114	49 - 135
3-Nitroaniline	32.0	27.9		ug/L		87	51 - 120
4,6-Dinitro-2-methylphenol	64.0	70.2		ug/L		110	46 - 136
4-Bromophenyl phenyl ether	32.0	32.2		ug/L		101	65 - 120
4-Chloro-3-methylphenol	32.0	32.8		ug/L		102	61 - 123
4-Chloroaniline	32.0	23.3		ug/L		73	30 - 120
4-Chlorophenyl phenyl ether	32.0	29.8		ug/L		93	62 - 120
4-Methylphenol	32.0	27.5		ug/L		86	29 - 131
4-Nitroaniline	32.0	34.6		ug/L		108	65 - 120
4-Nitrophenol	64.0	60.6		ug/L		95	45 - 120
Acenaphthene	32.0	27.9		ug/L		87	60 - 120
Acenaphthylene	32.0	28.9		ug/L		90	63 - 120
Anthracene	32.0	30.6		ug/L		96	67 - 120
Benzo[a]anthracene	32.0	31.8		ug/L		99	70 - 121
Benzo[a]pyrene	32.0	31.4		ug/L		98	60 - 123
Benzo[b]fluoranthene	32.0	34.0		ug/L		106	66 - 126
Benzo[g,h,i]perylene	32.0	33.7		ug/L		105	66 - 150
Benzo[k]fluoranthene	32.0	32.2		ug/L		101	65 - 124
Bis(2-chloroethoxy)methane	32.0	27.7		ug/L		87	50 - 128
Bis(2-chloroethyl)ether	32.0	26.0		ug/L		81	44 - 120
Bis(2-ethylhexyl) phthalate	32.0	34.3		ug/L		107	63 - 139
Butyl benzyl phthalate	32.0	31.0		ug/L		97	70 - 129
Carbazole	32.0	32.6		ug/L		102	66 - 123
Chrysene	32.0	31.1		ug/L		97	69 - 120
Di-n-butyl phthalate	32.0	33.8		ug/L		106	69 - 131
Di-n-octyl phthalate	32.0	31.4		ug/L		98	63 - 140
Dibenz(a,h)anthracene	32.0	33.3		ug/L		104	65 - 135
Dibenzofuran	32.0	28.9		ug/L		90	66 - 120
Diethyl phthalate	32.0	34.1		ug/L		107	59 - 127
Dimethyl phthalate	32.0	32.8		ug/L		102	68 - 120
Fluoranthene	32.0	33.7		ug/L		105	69 - 126
Fluorene	32.0	29.7		ug/L		93	66 - 120

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-114997-1

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

Lab Sample ID: LCS 480-348780/2-A

Matrix: Water

Analysis Batch: 349308

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 348780

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Hexachlorobenzene	32.0	33.1		ug/L		104	61 - 120
Hexachlorobutadiene	32.0	25.2		ug/L		79	35 - 120
Hexachlorocyclopentadiene	32.0	22.5		ug/L		70	31 - 120
Hexachloroethane	32.0	24.7		ug/L		77	43 - 120
Indeno[1,2,3-cd]pyrene	32.0	33.1		ug/L		104	69 - 146
Isophorone	32.0	29.6		ug/L		92	55 - 120
N-Nitrosodi-n-propylamine	32.0	28.9		ug/L		90	32 - 140
N-Nitrosodiphenylamine	32.0	30.3		ug/L		95	61 - 120
Naphthalene	32.0	27.0		ug/L		84	57 - 120
Nitrobenzene	32.0	29.0		ug/L		91	53 - 123
Pentachlorophenol	64.0	61.7		ug/L		96	29 - 136
Phenanthrene	32.0	30.4		ug/L		95	68 - 120
Phenol	32.0	17.8		ug/L		56	17 - 120
Pyrene	32.0	31.5		ug/L		99	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol	108		41 - 120
2-Fluorobiphenyl	84		48 - 120
2-Fluorophenol	68		35 - 120
Nitrobenzene-d5	90		46 - 120
p-Terphenyl-d14	98		59 - 136
Phenol-d5	54		22 - 120

Lab Sample ID: 480-114997-3 MS

Matrix: Water

Analysis Batch: 349308

Client Sample ID: MW-6

Prep Type: Total/NA

Prep Batch: 348780

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
bis (2-chloroisopropyl) ether	ND	F2	32.0	24.9		ug/L		78	28 - 121
1,2,4-Trichlorobenzene	ND		32.0	28.2		ug/L		88	49 - 120
2,4,5-Trichlorophenol	ND	F2	32.0	33.2		ug/L		104	65 - 126
1,2-Dichlorobenzene	ND	F2	32.0	27.3		ug/L		85	48 - 120
2,4,6-Trichlorophenol	ND	F2	32.0	30.9		ug/L		97	64 - 120
2,4-Dichlorophenol	ND	F2	32.0	31.2		ug/L		98	48 - 132
2,4-Dimethylphenol	ND		32.0	29.2		ug/L		91	39 - 130
1,3-Dichlorobenzene	ND		32.0	27.3		ug/L		85	51 - 120
2,4-Dinitrophenol	ND	F2	64.0	76.6		ug/L		120	21 - 150
2,4-Dinitrotoluene	ND	F2	32.0	34.5		ug/L		108	54 - 138
1,4-Dichlorobenzene	ND		32.0	26.3		ug/L		82	32 - 150
2,6-Dinitrotoluene	ND	F2	32.0	34.1		ug/L		106	17 - 150
2-Chloronaphthalene	ND	F2	32.0	28.7		ug/L		90	52 - 124
2-Chlorophenol	ND	F2	32.0	28.5		ug/L		89	48 - 120
2-Methylnaphthalene	ND	F2	32.0	28.8		ug/L		90	34 - 140
2-Methylphenol	ND		32.0	29.0		ug/L		91	46 - 120
2-Nitroaniline	ND	F2	32.0	31.5		ug/L		98	44 - 136
2-Nitrophenol	ND	F2	32.0	31.4		ug/L		98	38 - 141
3,3'-Dichlorobenzidine	ND		64.0	51.1		ug/L		80	10 - 150
3-Nitroaniline	ND		32.0	26.7		ug/L		83	32 - 150

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-114997-1

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

Lab Sample ID: 480-114997-3 MS

Matrix: Water

Analysis Batch: 349308

Client Sample ID: MW-6

Prep Type: Total/NA

Prep Batch: 348780

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
4,6-Dinitro-2-methylphenol	ND	F2	64.0	77.0		ug/L		120	38 - 150
4-Bromophenyl phenyl ether	ND	F2	32.0	33.8		ug/L		106	63 - 126
4-Chloro-3-methylphenol	ND		32.0	34.4		ug/L		107	64 - 127
4-Chloroaniline	ND		32.0	19.6		ug/L		61	16 - 124
4-Chlorophenyl phenyl ether	ND	F2	32.0	31.7		ug/L		99	61 - 120
4-Methylphenol	ND		32.0	28.5		ug/L		89	36 - 120
4-Nitroaniline	ND		32.0	36.5		ug/L		114	32 - 150
4-Nitrophenol	ND		64.0	61.0		ug/L		95	23 - 132
Acenaphthene	ND	F2	32.0	29.8		ug/L		93	48 - 120
Acenaphthylene	ND	F2	32.0	30.5		ug/L		95	63 - 120
Anthracene	ND	F2	32.0	31.7		ug/L		99	65 - 122
Benzo[a]anthracene	ND		32.0	26.3		ug/L		82	43 - 124
Benzo[a]pyrene	ND		32.0	22.4		ug/L		70	23 - 125
Benzo[b]fluoranthene	ND		32.0	23.9		ug/L		75	27 - 127
Benzo[g,h,i]perylene	ND		32.0	23.5		ug/L		73	16 - 147
Benzo[k]fluoranthene	ND		32.0	22.6		ug/L		71	20 - 124
Bis(2-chloroethoxy)methane	ND	F2	32.0	28.9		ug/L		90	44 - 128
Bis(2-chloroethyl)ether	ND	F2	32.0	28.6		ug/L		89	45 - 120
Bis(2-ethylhexyl) phthalate	ND		32.0	22.5		ug/L		70	16 - 150
Butyl benzyl phthalate	ND	F2	32.0	29.2		ug/L		91	51 - 140
Carbazole	ND	F2	32.0	37.0		ug/L		116	16 - 148
Chrysene	ND		32.0	24.9		ug/L		78	44 - 122
Di-n-butyl phthalate	ND	F2	32.0	32.8		ug/L		102	65 - 129
Di-n-octyl phthalate	ND		32.0	21.9		ug/L		68	16 - 150
Dibenz(a,h)anthracene	ND		32.0	22.8		ug/L		71	16 - 139
Dibenzofuran	ND	F2	32.0	30.4		ug/L		95	60 - 120
Diethyl phthalate	ND	F2	32.0	35.6		ug/L		111	53 - 133
Dimethyl phthalate	ND	F2	32.0	34.5		ug/L		108	59 - 123
Fluoranthene	ND	F2	32.0	33.2		ug/L		104	63 - 129
Fluorene	ND	F2	32.0	31.7		ug/L		99	62 - 120
Hexachlorobenzene	ND	F2	32.0	32.3		ug/L		101	57 - 121
Hexachlorobutadiene	ND		32.0	28.0		ug/L		87	37 - 120
Hexachlorocyclopentadiene	ND		32.0	26.5		ug/L		83	21 - 120
Hexachloroethane	ND		32.0	27.7		ug/L		87	16 - 130
Indeno[1,2,3-cd]pyrene	ND		32.0	22.5		ug/L		70	16 - 140
Isophorone	ND	F2	32.0	30.8		ug/L		96	48 - 133
N-Nitrosodi-n-propylamine	ND		32.0	30.4		ug/L		95	49 - 120
N-Nitrosodiphenylamine	ND	F2	32.0	32.5		ug/L		101	39 - 138
Naphthalene	ND		32.0	28.3		ug/L		88	45 - 120
Nitrobenzene	ND	F2	32.0	30.9		ug/L		96	45 - 123
Pentachlorophenol	ND		64.0	68.9		ug/L		108	23 - 149
Phenanthrene	ND	F2	32.0	32.9		ug/L		103	65 - 122
Phenol	ND		32.0	18.4		ug/L		57	16 - 120
Pyrene	ND	F2	32.0	32.6		ug/L		102	58 - 128

Surrogate	MS %Recovery	MS Qualifier	Limits
2,4,6-Tribromophenol	119		41 - 120
2-Fluorobiphenyl	88		48 - 120

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-114997-1

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

Lab Sample ID: 480-114997-3 MS

Matrix: Water

Analysis Batch: 349308

Client Sample ID: MW-6

Prep Type: Total/NA

Prep Batch: 348780

Surrogate	MS %Recovery	MS Qualifier	Limits
2-Fluorophenol	70		35 - 120
Nitrobenzene-d5	95		46 - 120
p-Terphenyl-d14	68		59 - 136
Phenol-d5	54		22 - 120

Lab Sample ID: 480-114997-3 MSD

Matrix: Water

Analysis Batch: 349308

Client Sample ID: MW-6

Prep Type: Total/NA

Prep Batch: 348780

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
bis (2-chloroisopropyl) ether	ND	F2	32.0	18.8	F2	ug/L		59	28 - 121	28	24
1,2,4-Trichlorobenzene	ND		32.0	21.4		ug/L		67	49 - 120	27	30
2,4,5-Trichlorophenol	ND	F2	32.0	25.4	F2	ug/L		79	65 - 126	26	18
1,2-Dichlorobenzene	ND	F2	32.0	20.1	F2	ug/L		63	48 - 120	30	29
2,4,6-Trichlorophenol	ND	F2	32.0	23.6	F2	ug/L		74	64 - 120	27	19
2,4-Dichlorophenol	ND	F2	32.0	24.2	F2	ug/L		76	48 - 132	25	19
2,4-Dimethylphenol	ND		32.0	23.0		ug/L		72	39 - 130	24	42
1,3-Dichlorobenzene	ND		32.0	19.6		ug/L		61	51 - 120	33	37
2,4-Dinitrophenol	ND	F2	64.0	59.0	F2	ug/L		92	21 - 150	26	22
2,4-Dinitrotoluene	ND	F2	32.0	26.3	F2	ug/L		82	54 - 138	27	20
1,4-Dichlorobenzene	ND		32.0	19.9		ug/L		62	32 - 150	28	36
2,6-Dinitrotoluene	ND	F2	32.0	25.5	F2	ug/L		80	17 - 150	29	15
2-Chloronaphthalene	ND	F2	32.0	21.7	F2	ug/L		68	52 - 124	28	21
2-Chlorophenol	ND	F2	32.0	21.5	F2	ug/L		67	48 - 120	28	25
2-Methylnaphthalene	ND	F2	32.0	21.9	F2	ug/L		68	34 - 140	27	21
2-Methylphenol	ND		32.0	23.3		ug/L		73	46 - 120	22	27
2-Nitroaniline	ND	F2	32.0	24.1	F2	ug/L		75	44 - 136	26	15
2-Nitrophenol	ND	F2	32.0	23.8	F2	ug/L		74	38 - 141	28	18
3,3'-Dichlorobenzidine	ND		64.0	45.7		ug/L		71	10 - 150	11	25
3-Nitroaniline	ND		32.0	25.2		ug/L		79	32 - 150	6	19
4,6-Dinitro-2-methylphenol	ND	F2	64.0	58.5	F2	ug/L		91	38 - 150	27	15
4-Bromophenyl phenyl ether	ND	F2	32.0	25.5	F2	ug/L		80	63 - 126	28	15
4-Chloro-3-methylphenol	ND		32.0	26.9		ug/L		84	64 - 127	24	27
4-Chloroaniline	ND		32.0	23.3		ug/L		73	16 - 124	17	22
4-Chlorophenyl phenyl ether	ND	F2	32.0	24.4	F2	ug/L		76	61 - 120	26	16
4-Methylphenol	ND		32.0	22.5		ug/L		70	36 - 120	23	24
4-Nitroaniline	ND		32.0	29.2		ug/L		91	32 - 150	22	24
4-Nitrophenol	ND		64.0	50.7		ug/L		79	23 - 132	18	48
Acenaphthene	ND	F2	32.0	22.5	F2	ug/L		70	48 - 120	28	24
Acenaphthylene	ND	F2	32.0	23.1	F2	ug/L		72	63 - 120	28	18
Anthracene	ND	F2	32.0	24.6	F2	ug/L		77	65 - 122	25	15
Benzo[a]anthracene	ND		32.0	22.7		ug/L		71	43 - 124	15	15
Benzo[a]pyrene	ND		32.0	21.3		ug/L		66	23 - 125	5	15
Benzo[b]fluoranthene	ND		32.0	22.6		ug/L		70	27 - 127	6	15
Benzo[g,h,i]perylene	ND		32.0	22.2		ug/L		69	16 - 147	6	15
Benzo[k]fluoranthene	ND		32.0	21.5		ug/L		67	20 - 124	5	22
Bis(2-chloroethoxy)methane	ND	F2	32.0	22.0	F2	ug/L		69	44 - 128	27	17
Bis(2-chloroethyl)ether	ND	F2	32.0	21.0	F2	ug/L		66	45 - 120	31	21

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-114997-1

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

Lab Sample ID: 480-114997-3 MSD

Matrix: Water

Analysis Batch: 349308

Client Sample ID: MW-6

Prep Type: Total/NA

Prep Batch: 348780

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bis(2-ethylhexyl) phthalate	ND		32.0	19.8		ug/L		62	16 - 150	13	15
Butyl benzyl phthalate	ND	F2	32.0	22.6	F2	ug/L		71	51 - 140	25	16
Carbazole	ND	F2	32.0	28.0	F2	ug/L		88	16 - 148	28	20
Chrysene	ND		32.0	22.1		ug/L		69	44 - 122	12	15
Di-n-butyl phthalate	ND	F2	32.0	26.2	F2	ug/L		82	65 - 129	22	15
Di-n-octyl phthalate	ND		32.0	19.7		ug/L		61	16 - 150	11	16
Dibenz(a,h)anthracene	ND		32.0	21.2		ug/L		66	16 - 139	7	15
Dibenzofuran	ND	F2	32.0	23.1	F2	ug/L		72	60 - 120	27	15
Diethyl phthalate	ND	F2	32.0	27.2	F2	ug/L		85	53 - 133	27	15
Dimethyl phthalate	ND	F2	32.0	26.3	F2	ug/L		82	59 - 123	27	15
Fluoranthene	ND	F2	32.0	26.3	F2	ug/L		82	63 - 129	23	15
Fluorene	ND	F2	32.0	24.1	F2	ug/L		75	62 - 120	27	15
Hexachlorobenzene	ND	F2	32.0	26.5	F2	ug/L		83	57 - 121	20	15
Hexachlorobutadiene	ND		32.0	21.1		ug/L		66	37 - 120	28	44
Hexachlorocyclopentadiene	ND		32.0	19.8		ug/L		62	21 - 120	29	49
Hexachloroethane	ND		32.0	20.6		ug/L		64	16 - 130	29	46
Indeno[1,2,3-cd]pyrene	ND		32.0	21.4		ug/L		67	16 - 140	5	15
Isophorone	ND	F2	32.0	23.2	F2	ug/L		73	48 - 133	28	17
N-Nitrosodi-n-propylamine	ND		32.0	22.8		ug/L		71	49 - 120	29	31
N-Nitrosodiphenylamine	ND	F2	32.0	24.3	F2	ug/L		76	39 - 138	29	15
Naphthalene	ND		32.0	21.4		ug/L		67	45 - 120	28	29
Nitrobenzene	ND	F2	32.0	23.2	F2	ug/L		73	45 - 123	28	24
Pentachlorophenol	ND		64.0	50.0		ug/L		78	23 - 149	32	37
Phenanthrene	ND	F2	32.0	25.1	F2	ug/L		79	65 - 122	27	15
Phenol	ND		32.0	14.9		ug/L		47	16 - 120	21	34
Pyrene	ND	F2	32.0	24.7	F2	ug/L		77	58 - 128	28	19

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2,4,6-Tribromophenol	88		41 - 120
2-Fluorobiphenyl	66		48 - 120
2-Fluorophenol	56		35 - 120
Nitrobenzene-d5	72		46 - 120
p-Terphenyl-d14	62		59 - 136
Phenol-d5	42		22 - 120

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 480-348826/1-A

Matrix: Water

Analysis Batch: 348876

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 348826

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.050	0.0092	ug/L		03/25/17 07:22	03/27/17 13:54	1
4,4'-DDE	ND		0.050	0.012	ug/L		03/25/17 07:22	03/27/17 13:54	1
4,4'-DDT	ND		0.050	0.011	ug/L		03/25/17 07:22	03/27/17 13:54	1
Aldrin	ND		0.050	0.0081	ug/L		03/25/17 07:22	03/27/17 13:54	1
alpha-BHC	ND		0.050	0.0077	ug/L		03/25/17 07:22	03/27/17 13:54	1
alpha-Chlordane	ND		0.050	0.015	ug/L		03/25/17 07:22	03/27/17 13:54	1

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-114997-1

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

Lab Sample ID: MB 480-348826/1-A

Matrix: Water

Analysis Batch: 348876

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 348826

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
beta-BHC	ND		0.050	0.025	ug/L		03/25/17 07:22	03/27/17 13:54	1
delta-BHC	ND		0.050	0.010	ug/L		03/25/17 07:22	03/27/17 13:54	1
Dieldrin	ND		0.050	0.0098	ug/L		03/25/17 07:22	03/27/17 13:54	1
Endosulfan I	ND		0.050	0.011	ug/L		03/25/17 07:22	03/27/17 13:54	1
Endosulfan II	ND		0.050	0.012	ug/L		03/25/17 07:22	03/27/17 13:54	1
Endosulfan sulfate	ND		0.050	0.016	ug/L		03/25/17 07:22	03/27/17 13:54	1
Endrin	ND		0.050	0.014	ug/L		03/25/17 07:22	03/27/17 13:54	1
Endrin aldehyde	ND		0.050	0.016	ug/L		03/25/17 07:22	03/27/17 13:54	1
Endrin ketone	ND		0.050	0.012	ug/L		03/25/17 07:22	03/27/17 13:54	1
gamma-BHC (Lindane)	ND		0.050	0.0080	ug/L		03/25/17 07:22	03/27/17 13:54	1
gamma-Chlordane	ND		0.050	0.011	ug/L		03/25/17 07:22	03/27/17 13:54	1
Heptachlor	ND		0.050	0.0085	ug/L		03/25/17 07:22	03/27/17 13:54	1
Heptachlor epoxide	ND		0.050	0.0074	ug/L		03/25/17 07:22	03/27/17 13:54	1
Methoxychlor	ND		0.050	0.014	ug/L		03/25/17 07:22	03/27/17 13:54	1
Toxaphene	ND		0.50	0.12	ug/L		03/25/17 07:22	03/27/17 13:54	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	44		20 - 120	03/25/17 07:22	03/27/17 13:54	1
Tetrachloro-m-xylene	70		44 - 120	03/25/17 07:22	03/27/17 13:54	1

Lab Sample ID: LCS 480-348826/2-A

Matrix: Water

Analysis Batch: 348876

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 348826

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	0.400	0.451		ug/L		113	64 - 129
4,4'-DDE	0.400	0.383		ug/L		96	50 - 120
4,4'-DDT	0.400	0.348		ug/L		87	59 - 120
Aldrin	0.400	0.267		ug/L		67	40 - 125
alpha-BHC	0.400	0.378		ug/L		95	52 - 125
alpha-Chlordane	0.400	0.408		ug/L		102	52 - 120
beta-BHC	0.400	0.431		ug/L		108	51 - 120
delta-BHC	0.400	0.410		ug/L		102	51 - 120
Dieldrin	0.400	0.421		ug/L		105	66 - 128
Endosulfan I	0.400	0.390		ug/L		97	57 - 120
Endosulfan II	0.400	0.400		ug/L		100	66 - 131
Endosulfan sulfate	0.400	0.447		ug/L		112	66 - 136
Endrin	0.400	0.421		ug/L		105	65 - 135
Endrin aldehyde	0.400	0.495		ug/L		124	61 - 134
Endrin ketone	0.400	0.405		ug/L		101	71 - 133
gamma-BHC (Lindane)	0.400	0.393		ug/L		98	56 - 120
gamma-Chlordane	0.400	0.402		ug/L		101	54 - 120
Heptachlor	0.400	0.306		ug/L		77	58 - 120
Heptachlor epoxide	0.400	0.408		ug/L		102	65 - 125
Methoxychlor	0.400	0.426		ug/L		106	50 - 150

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-114997-1

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

Lab Sample ID: LCS 480-348826/2-A

Matrix: Water

Analysis Batch: 348876

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 348826

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	52		20 - 120
Tetrachloro-m-xylene	72		44 - 120

Lab Sample ID: LCSD 480-348826/3-A

Matrix: Water

Analysis Batch: 348876

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 348826

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD	0.400	0.488		ug/L		122	64 - 129	8	23
4,4'-DDE	0.400	0.405		ug/L		101	50 - 120	6	22
4,4'-DDT	0.400	0.343		ug/L		86	59 - 120	1	24
Aldrin	0.400	0.239		ug/L		60	40 - 125	11	25
alpha-BHC	0.400	0.392		ug/L		98	52 - 125	4	24
alpha-Chlordane	0.400	0.426		ug/L		106	52 - 120	4	23
beta-BHC	0.400	0.429		ug/L		107	51 - 120	1	24
delta-BHC	0.400	0.413		ug/L		103	51 - 120	1	24
Dieldrin	0.400	0.435		ug/L		109	66 - 128	3	24
Endosulfan I	0.400	0.400		ug/L		100	57 - 120	3	30
Endosulfan II	0.400	0.416		ug/L		104	66 - 131	4	40
Endosulfan sulfate	0.400	0.463		ug/L		116	66 - 136	4	24
Endrin	0.400	0.440		ug/L		110	65 - 135	4	24
Endrin aldehyde	0.400	0.486		ug/L		121	61 - 134	2	28
Endrin ketone	0.400	0.415		ug/L		104	71 - 133	2	26
gamma-BHC (Lindane)	0.400	0.418		ug/L		105	56 - 120	6	24
gamma-Chlordane	0.400	0.416		ug/L		104	54 - 120	3	24
Heptachlor	0.400	0.306		ug/L		76	58 - 120	0	25
Heptachlor epoxide	0.400	0.418		ug/L		104	65 - 125	2	23
Methoxychlor	0.400	0.431		ug/L		108	50 - 150	1	26

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
DCB Decachlorobiphenyl	57		20 - 120
Tetrachloro-m-xylene	82		44 - 120

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

Lab Sample ID: MB 480-348827/1-A

Matrix: Water

Analysis Batch: 348954

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 348827

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		03/25/17 07:29	03/27/17 14:55	1
PCB-1221	ND		0.50	0.18	ug/L		03/25/17 07:29	03/27/17 14:55	1
PCB-1232	ND		0.50	0.18	ug/L		03/25/17 07:29	03/27/17 14:55	1
PCB-1242	ND		0.50	0.18	ug/L		03/25/17 07:29	03/27/17 14:55	1
PCB-1248	ND		0.50	0.18	ug/L		03/25/17 07:29	03/27/17 14:55	1
PCB-1254	ND		0.50	0.25	ug/L		03/25/17 07:29	03/27/17 14:55	1
PCB-1260	ND		0.50	0.25	ug/L		03/25/17 07:29	03/27/17 14:55	1

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-114997-1

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

Lab Sample ID: MB 480-348827/1-A

Matrix: Water

Analysis Batch: 348954

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 348827

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	67		19 - 120	03/25/17 07:29	03/27/17 14:55	1
Tetrachloro-m-xylene	96		39 - 121	03/25/17 07:29	03/27/17 14:55	1

Lab Sample ID: LCS 480-348827/2-A

Matrix: Water

Analysis Batch: 348954

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 348827

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	4.00	4.48		ug/L		112	62 - 130
PCB-1260	4.00	4.76		ug/L		119	56 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	67		19 - 120
Tetrachloro-m-xylene	108		39 - 121

Lab Sample ID: 480-114997-3 MS

Matrix: Water

Analysis Batch: 348954

Client Sample ID: MW-6

Prep Type: Total/NA

Prep Batch: 348827

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	ND		4.17	4.83		ug/L		116	28 - 150
PCB-1260	ND		4.17	4.86		ug/L		117	25 - 131

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl	85		19 - 120
Tetrachloro-m-xylene	110		39 - 121

Lab Sample ID: 480-114997-3 MSD

Matrix: Water

Analysis Batch: 348954

Client Sample ID: MW-6

Prep Type: Total/NA

Prep Batch: 348827

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	ND		4.00	4.27		ug/L		107	28 - 150	12	50
PCB-1260	ND		4.00	4.17		ug/L		104	25 - 131	15	50

Surrogate	MSD %Recovery	MSD Qualifier	Limits
DCB Decachlorobiphenyl	73		19 - 120
Tetrachloro-m-xylene	96		39 - 121

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-348903/1-A

Matrix: Water

Analysis Batch: 349034

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 348903

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		03/27/17 09:25	03/27/17 23:02	1

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-114997-1

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

Lab Sample ID: MB 480-348903/1-A

Matrix: Water

Analysis Batch: 349034

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 348903

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.020	0.0068	mg/L		03/27/17 09:25	03/27/17 23:02	1
Arsenic	ND		0.010	0.0056	mg/L		03/27/17 09:25	03/27/17 23:02	1
Barium	ND		0.0020	0.00070	mg/L		03/27/17 09:25	03/27/17 23:02	1
Beryllium	ND		0.0020	0.00030	mg/L		03/27/17 09:25	03/27/17 23:02	1
Cadmium	ND		0.0010	0.00050	mg/L		03/27/17 09:25	03/27/17 23:02	1
Calcium	ND		0.50	0.10	mg/L		03/27/17 09:25	03/27/17 23:02	1
Chromium	ND		0.0040	0.0010	mg/L		03/27/17 09:25	03/27/17 23:02	1
Cobalt	ND		0.0040	0.00063	mg/L		03/27/17 09:25	03/27/17 23:02	1
Copper	ND		0.010	0.0016	mg/L		03/27/17 09:25	03/27/17 23:02	1
Iron	ND		0.050	0.019	mg/L		03/27/17 09:25	03/27/17 23:02	1
Lead	ND		0.0050	0.0030	mg/L		03/27/17 09:25	03/27/17 23:02	1
Magnesium	ND		0.20	0.043	mg/L		03/27/17 09:25	03/27/17 23:02	1
Manganese	ND		0.0030	0.00040	mg/L		03/27/17 09:25	03/27/17 23:02	1
Nickel	ND		0.010	0.0013	mg/L		03/27/17 09:25	03/27/17 23:02	1
Potassium	ND		0.50	0.10	mg/L		03/27/17 09:25	03/27/17 23:02	1
Selenium	ND		0.015	0.0087	mg/L		03/27/17 09:25	03/27/17 23:02	1
Silver	ND		0.0030	0.0017	mg/L		03/27/17 09:25	03/27/17 23:02	1
Sodium	ND		1.0	0.32	mg/L		03/27/17 09:25	03/27/17 23:02	1
Thallium	ND		0.020	0.010	mg/L		03/27/17 09:25	03/27/17 23:02	1
Vanadium	ND		0.0050	0.0015	mg/L		03/27/17 09:25	03/27/17 23:02	1
Zinc	0.00161	J	0.010	0.0015	mg/L		03/27/17 09:25	03/27/17 23:02	1

Lab Sample ID: LCS 480-348903/2-A

Matrix: Water

Analysis Batch: 349034

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 348903

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	10.0	9.85		mg/L		98	80 - 120
Antimony	0.200	0.201		mg/L		100	80 - 120
Arsenic	0.200	0.201		mg/L		100	80 - 120
Barium	0.200	0.203		mg/L		102	80 - 120
Beryllium	0.200	0.205		mg/L		102	80 - 120
Cadmium	0.200	0.204		mg/L		102	80 - 120
Calcium	10.0	9.91		mg/L		99	80 - 120
Chromium	0.200	0.202		mg/L		101	80 - 120
Cobalt	0.200	0.195		mg/L		97	80 - 120
Copper	0.200	0.204		mg/L		102	80 - 120
Iron	10.0	10.23		mg/L		102	80 - 120
Lead	0.200	0.202		mg/L		101	80 - 120
Magnesium	10.0	10.15		mg/L		101	80 - 120
Manganese	0.200	0.206		mg/L		103	80 - 120
Nickel	0.200	0.193		mg/L		96	80 - 120
Potassium	10.0	10.28		mg/L		103	80 - 120
Selenium	0.200	0.201		mg/L		101	80 - 120
Silver	0.0500	0.0497		mg/L		99	80 - 120
Sodium	10.0	10.03		mg/L		100	80 - 120
Thallium	0.200	0.200		mg/L		100	80 - 120
Vanadium	0.200	0.198		mg/L		99	80 - 120

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-114997-1

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

Lab Sample ID: LCS 480-348903/2-A

Matrix: Water

Analysis Batch: 349034

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 348903

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Zinc	0.200	0.202		mg/L		101	80 - 120

Lab Sample ID: 480-114997-6 MS

Matrix: Water

Analysis Batch: 349034

Client Sample ID: S-2

Prep Type: Total/NA

Prep Batch: 348903

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	0.18	J	10.0	10.05		mg/L		99	75 - 125
Antimony	ND		0.200	0.201		mg/L		101	75 - 125
Arsenic	ND		0.200	0.202		mg/L		101	75 - 125
Barium	0.053		0.200	0.253		mg/L		100	75 - 125
Beryllium	ND		0.200	0.208		mg/L		104	75 - 125
Cadmium	ND		0.200	0.205		mg/L		102	75 - 125
Calcium	71.3		10.0	80.39	4	mg/L		91	75 - 125
Chromium	ND		0.200	0.203		mg/L		101	75 - 125
Cobalt	ND		0.200	0.198		mg/L		99	75 - 125
Copper	0.0023	J	0.200	0.201		mg/L		100	75 - 125
Iron	ND		10.0	10.27		mg/L		103	75 - 125
Lead	0.0038	J	0.200	0.208		mg/L		102	75 - 125
Magnesium	ND		10.0	9.88		mg/L		99	75 - 125
Manganese	ND		0.200	0.201		mg/L		101	75 - 125
Nickel	ND		0.200	0.197		mg/L		98	75 - 125
Potassium	28.9		10.0	38.75		mg/L		98	75 - 125
Selenium	ND		0.200	0.196		mg/L		98	75 - 125
Silver	ND		0.0500	0.0511		mg/L		102	75 - 125
Sodium	42.7		10.0	52.14	4	mg/L		95	75 - 125
Thallium	ND		0.200	0.199		mg/L		99	75 - 125
Vanadium	0.012		0.200	0.213		mg/L		101	75 - 125
Zinc	0.0024	J B	0.200	0.206		mg/L		102	75 - 125

Lab Sample ID: 480-114997-6 MSD

Matrix: Water

Analysis Batch: 349034

Client Sample ID: S-2

Prep Type: Total/NA

Prep Batch: 348903

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aluminum	0.18	J	10.0	10.11		mg/L		99	75 - 125	1	20
Antimony	ND		0.200	0.200		mg/L		100	75 - 125	1	20
Arsenic	ND		0.200	0.207		mg/L		103	75 - 125	2	20
Barium	0.053		0.200	0.254		mg/L		101	75 - 125	0	20
Beryllium	ND		0.200	0.210		mg/L		105	75 - 125	1	20
Cadmium	ND		0.200	0.205		mg/L		103	75 - 125	0	20
Calcium	71.3		10.0	80.79	4	mg/L		95	75 - 125	1	20
Chromium	ND		0.200	0.204		mg/L		102	75 - 125	0	20
Cobalt	ND		0.200	0.199		mg/L		100	75 - 125	1	20
Copper	0.0023	J	0.200	0.204		mg/L		101	75 - 125	1	20
Iron	ND		10.0	10.27		mg/L		103	75 - 125	0	20
Lead	0.0038	J	0.200	0.208		mg/L		102	75 - 125	0	20
Magnesium	ND		10.0	9.92		mg/L		99	75 - 125	0	20
Manganese	ND		0.200	0.203		mg/L		102	75 - 125	1	20

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-114997-1

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

Lab Sample ID: 480-114997-6 MSD

Matrix: Water

Analysis Batch: 349034

Client Sample ID: S-2

Prep Type: Total/NA

Prep Batch: 348903

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nickel	ND		0.200	0.197		mg/L		99	75 - 125	0	20
Potassium	28.9		10.0	38.88		mg/L		99	75 - 125	0	20
Selenium	ND		0.200	0.198		mg/L		99	75 - 125	1	20
Silver	ND		0.0500	0.0508		mg/L		102	75 - 125	1	20
Sodium	42.7		10.0	52.20	4	mg/L		95	75 - 125	0	20
Thallium	ND		0.200	0.198		mg/L		99	75 - 125	1	20
Vanadium	0.012		0.200	0.214		mg/L		101	75 - 125	0	20
Zinc	0.0024	J B	0.200	0.206		mg/L		102	75 - 125	0	20

Method: 7470A_ASP - Mercury (CVAA)

Lab Sample ID: MB 480-348693/1-A

Matrix: Water

Analysis Batch: 348782

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 348693

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		03/24/17 07:50	03/24/17 13:21	1

Lab Sample ID: LCS 480-348693/2-A

Matrix: Water

Analysis Batch: 348782

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 348693

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00667	0.00737		mg/L		110	80 - 120

Lab Sample ID: 480-114997-4 MS

Matrix: Water

Analysis Batch: 348782

Client Sample ID: S-4

Prep Type: Total/NA

Prep Batch: 348693

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	ND		0.00667	0.00763		mg/L		114	80 - 120

Lab Sample ID: 480-114997-4 MSD

Matrix: Water

Analysis Batch: 348782

Client Sample ID: S-4

Prep Type: Total/NA

Prep Batch: 348693

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	ND		0.00667	0.00737		mg/L		110	80 - 120	4	20

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

Lab Sample ID: MB 480-349955/1-A

Matrix: Water

Analysis Batch: 349979

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 349955

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		04/03/17 07:05	04/03/17 11:15	1

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-114997-1

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

Lab Sample ID: LCS 480-349955/2-A

Matrix: Water

Analysis Batch: 349979

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 349955

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.400	0.380		mg/L		95	90 - 110

Lab Sample ID: LCS 480-349955/3-A

Matrix: Water

Analysis Batch: 349979

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 349955

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.250	0.242		mg/L		97	90 - 110

Lab Sample ID: 480-114997-7 MS

Matrix: Water

Analysis Batch: 349979

Client Sample ID: S-3

Prep Type: Total/NA

Prep Batch: 349955

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.039		0.100	0.134		mg/L		95	90 - 110

Lab Sample ID: MB 480-350066/1-A

Matrix: Water

Analysis Batch: 350157

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 350066

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		04/04/17 03:10	04/04/17 09:29	1

Lab Sample ID: LCS 480-350066/2-A

Matrix: Water

Analysis Batch: 350157

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 350066

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.400	0.386		mg/L		97	90 - 110

Lab Sample ID: LCS 480-350066/3-A

Matrix: Water

Analysis Batch: 350157

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 350066

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.250	0.245		mg/L		98	90 - 110

TestAmerica Buffalo

QC Association Summary

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

TestAmerica Job ID: 480-114997-1

GC/MS VOA

Analysis Batch: 348669

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-114997-1	MW-4	Total/NA	Water	8260C	
480-114997-2	MW-5	Total/NA	Water	8260C	
480-114997-3	MW-6	Total/NA	Water	8260C	
480-114997-7	S-3	Total/NA	Water	8260C	
480-114997-8	DUP	Total/NA	Water	8260C	
480-114997-9	RW-4	Total/NA	Water	8260C	
480-114997-10	RW-5	Total/NA	Water	8260C	
MB 480-348669/7	Method Blank	Total/NA	Water	8260C	
LCS 480-348669/5	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 348672

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-114997-4	S-4	Total/NA	Water	8260C	
480-114997-5	S-1	Total/NA	Water	8260C	
480-114997-6	S-2	Total/NA	Water	8260C	
MB 480-348672/7	Method Blank	Total/NA	Water	8260C	
LCS 480-348672/4	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 349246

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-349246/7	Method Blank	Total/NA	Water	8260C	
LCS 480-349246/5	Lab Control Sample	Total/NA	Water	8260C	
480-114997-3 MS	MW-6	Total/NA	Water	8260C	
480-114997-3 MSD	MW-6	Total/NA	Water	8260C	

GC/MS Semi VOA

Prep Batch: 348780

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-114997-1	MW-4	Total/NA	Water	3510C	
480-114997-2	MW-5	Total/NA	Water	3510C	
480-114997-3	MW-6	Total/NA	Water	3510C	
480-114997-4	S-4	Total/NA	Water	3510C	
480-114997-5	S-1	Total/NA	Water	3510C	
480-114997-6	S-2	Total/NA	Water	3510C	
480-114997-7	S-3	Total/NA	Water	3510C	
480-114997-8	DUP	Total/NA	Water	3510C	
480-114997-9	RW-4	Total/NA	Water	3510C	
480-114997-10	RW-5	Total/NA	Water	3510C	
MB 480-348780/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-348780/2-A	Lab Control Sample	Total/NA	Water	3510C	
480-114997-3 MS	MW-6	Total/NA	Water	3510C	
480-114997-3 MSD	MW-6	Total/NA	Water	3510C	

Analysis Batch: 349308

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-114997-1	MW-4	Total/NA	Water	8270D	348780
480-114997-2	MW-5	Total/NA	Water	8270D	348780
480-114997-3	MW-6	Total/NA	Water	8270D	348780
480-114997-4	S-4	Total/NA	Water	8270D	348780

TestAmerica Buffalo

QC Association Summary

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

TestAmerica Job ID: 480-114997-1

GC/MS Semi VOA (Continued)

Analysis Batch: 349308 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-114997-5	S-1	Total/NA	Water	8270D	348780
480-114997-6	S-2	Total/NA	Water	8270D	348780
480-114997-7	S-3	Total/NA	Water	8270D	348780
480-114997-8	DUP	Total/NA	Water	8270D	348780
480-114997-9	RW-4	Total/NA	Water	8270D	348780
480-114997-10	RW-5	Total/NA	Water	8270D	348780
MB 480-348780/1-A	Method Blank	Total/NA	Water	8270D	348780
LCS 480-348780/2-A	Lab Control Sample	Total/NA	Water	8270D	348780
480-114997-3 MS	MW-6	Total/NA	Water	8270D	348780
480-114997-3 MSD	MW-6	Total/NA	Water	8270D	348780

GC Semi VOA

Prep Batch: 348826

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-114997-4	S-4	Total/NA	Water	3510C	
480-114997-5	S-1	Total/NA	Water	3510C	
480-114997-6	S-2	Total/NA	Water	3510C	
480-114997-7	S-3	Total/NA	Water	3510C	
480-114997-8	DUP	Total/NA	Water	3510C	
MB 480-348826/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-348826/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 480-348826/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Prep Batch: 348827

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-114997-1	MW-4	Total/NA	Water	3510C	
480-114997-2	MW-5	Total/NA	Water	3510C	
480-114997-3	MW-6	Total/NA	Water	3510C	
480-114997-4	S-4	Total/NA	Water	3510C	
480-114997-5	S-1	Total/NA	Water	3510C	
480-114997-6	S-2	Total/NA	Water	3510C	
480-114997-7	S-3	Total/NA	Water	3510C	
480-114997-8	DUP	Total/NA	Water	3510C	
480-114997-9	RW-4	Total/NA	Water	3510C	
480-114997-10	RW-5	Total/NA	Water	3510C	
MB 480-348827/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-348827/2-A	Lab Control Sample	Total/NA	Water	3510C	
480-114997-3 MS	MW-6	Total/NA	Water	3510C	
480-114997-3 MSD	MW-6	Total/NA	Water	3510C	

Analysis Batch: 348876

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-114997-4	S-4	Total/NA	Water	8081B	348826
480-114997-5	S-1	Total/NA	Water	8081B	348826
480-114997-6	S-2	Total/NA	Water	8081B	348826
480-114997-7	S-3	Total/NA	Water	8081B	348826
480-114997-8	DUP	Total/NA	Water	8081B	348826
MB 480-348826/1-A	Method Blank	Total/NA	Water	8081B	348826
LCS 480-348826/2-A	Lab Control Sample	Total/NA	Water	8081B	348826

TestAmerica Buffalo

QC Association Summary

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

TestAmerica Job ID: 480-114997-1

GC Semi VOA (Continued)

Analysis Batch: 348876 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 480-348826/3-A	Lab Control Sample Dup	Total/NA	Water	8081B	348826

Analysis Batch: 348954

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-114997-1	MW-4	Total/NA	Water	8082A	348827
480-114997-2	MW-5	Total/NA	Water	8082A	348827
480-114997-3	MW-6	Total/NA	Water	8082A	348827
480-114997-4	S-4	Total/NA	Water	8082A	348827
480-114997-5	S-1	Total/NA	Water	8082A	348827
480-114997-6	S-2	Total/NA	Water	8082A	348827
480-114997-7	S-3	Total/NA	Water	8082A	348827
480-114997-8	DUP	Total/NA	Water	8082A	348827
480-114997-9	RW-4	Total/NA	Water	8082A	348827
480-114997-10	RW-5	Total/NA	Water	8082A	348827
MB 480-348827/1-A	Method Blank	Total/NA	Water	8082A	348827
LCS 480-348827/2-A	Lab Control Sample	Total/NA	Water	8082A	348827
480-114997-3 MS	MW-6	Total/NA	Water	8082A	348827
480-114997-3 MSD	MW-6	Total/NA	Water	8082A	348827

Metals

Prep Batch: 348693

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-114997-4	S-4	Total/NA	Water	7470A	
480-114997-5	S-1	Total/NA	Water	7470A	
480-114997-6	S-2	Total/NA	Water	7470A	
480-114997-7	S-3	Total/NA	Water	7470A	
480-114997-8	DUP	Total/NA	Water	7470A	
MB 480-348693/1-A	Method Blank	Total/NA	Water	7470A	
LCS 480-348693/2-A	Lab Control Sample	Total/NA	Water	7470A	
480-114997-4 MS	S-4	Total/NA	Water	7470A	
480-114997-4 MSD	S-4	Total/NA	Water	7470A	

Analysis Batch: 348782

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-114997-4	S-4	Total/NA	Water	7470A_ASP	348693
480-114997-5	S-1	Total/NA	Water	7470A_ASP	348693
480-114997-6	S-2	Total/NA	Water	7470A_ASP	348693
480-114997-7	S-3	Total/NA	Water	7470A_ASP	348693
480-114997-8	DUP	Total/NA	Water	7470A_ASP	348693
MB 480-348693/1-A	Method Blank	Total/NA	Water	7470A_ASP	348693
LCS 480-348693/2-A	Lab Control Sample	Total/NA	Water	7470A_ASP	348693
480-114997-4 MS	S-4	Total/NA	Water	7470A_ASP	348693
480-114997-4 MSD	S-4	Total/NA	Water	7470A_ASP	348693

Prep Batch: 348903

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-114997-4	S-4	Total/NA	Water	3005A	
480-114997-5	S-1	Total/NA	Water	3005A	
480-114997-6	S-2	Total/NA	Water	3005A	

TestAmerica Buffalo

QC Association Summary

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

TestAmerica Job ID: 480-114997-1

Metals (Continued)

Prep Batch: 348903 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-114997-7	S-3	Total/NA	Water	3005A	
480-114997-8	DUP	Total/NA	Water	3005A	
MB 480-348903/1-A	Method Blank	Total/NA	Water	3005A	
LCS 480-348903/2-A	Lab Control Sample	Total/NA	Water	3005A	
480-114997-6 MS	S-2	Total/NA	Water	3005A	
480-114997-6 MSD	S-2	Total/NA	Water	3005A	

Analysis Batch: 349034

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-114997-4	S-4	Total/NA	Water	6010C	348903
480-114997-5	S-1	Total/NA	Water	6010C	348903
480-114997-6	S-2	Total/NA	Water	6010C	348903
480-114997-7	S-3	Total/NA	Water	6010C	348903
480-114997-8	DUP	Total/NA	Water	6010C	348903
MB 480-348903/1-A	Method Blank	Total/NA	Water	6010C	348903
LCS 480-348903/2-A	Lab Control Sample	Total/NA	Water	6010C	348903
480-114997-6 MS	S-2	Total/NA	Water	6010C	348903
480-114997-6 MSD	S-2	Total/NA	Water	6010C	348903

General Chemistry

Prep Batch: 349955

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-114997-4	S-4	Total/NA	Water	9012B	
480-114997-5	S-1	Total/NA	Water	9012B	
480-114997-7	S-3	Total/NA	Water	9012B	
480-114997-8	DUP	Total/NA	Water	9012B	
MB 480-349955/1-A	Method Blank	Total/NA	Water	9012B	
LCS 480-349955/2-A	Lab Control Sample	Total/NA	Water	9012B	
LCS 480-349955/3-A	Lab Control Sample	Total/NA	Water	9012B	
480-114997-7 MS	S-3	Total/NA	Water	9012B	

Analysis Batch: 349979

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-114997-4	S-4	Total/NA	Water	9012B	349955
480-114997-5	S-1	Total/NA	Water	9012B	349955
480-114997-7	S-3	Total/NA	Water	9012B	349955
480-114997-8	DUP	Total/NA	Water	9012B	349955
MB 480-349955/1-A	Method Blank	Total/NA	Water	9012B	349955
LCS 480-349955/2-A	Lab Control Sample	Total/NA	Water	9012B	349955
LCS 480-349955/3-A	Lab Control Sample	Total/NA	Water	9012B	349955
480-114997-7 MS	S-3	Total/NA	Water	9012B	349955

Prep Batch: 350066

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-114997-6	S-2	Total/NA	Water	9012B	
MB 480-350066/1-A	Method Blank	Total/NA	Water	9012B	
LCS 480-350066/2-A	Lab Control Sample	Total/NA	Water	9012B	
LCS 480-350066/3-A	Lab Control Sample	Total/NA	Water	9012B	

TestAmerica Buffalo

QC Association Summary

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

TestAmerica Job ID: 480-114997-1

General Chemistry (Continued)

Analysis Batch: 350157

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-114997-6	S-2	Total/NA	Water	9012B	350066
MB 480-350066/1-A	Method Blank	Total/NA	Water	9012B	350066
LCS 480-350066/2-A	Lab Control Sample	Total/NA	Water	9012B	350066
LCS 480-350066/3-A	Lab Control Sample	Total/NA	Water	9012B	350066

Lab Chronicle

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

TestAmerica Job ID: 480-114997-1

Client Sample ID: MW-4

Date Collected: 03/22/17 14:00

Date Received: 03/23/17 15:30

Lab Sample ID: 480-114997-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	348669	03/24/17 02:22	LCH	TAL BUF
Total/NA	Prep	3510C			348780	03/24/17 14:17	SMP	TAL BUF
Total/NA	Analysis	8270D		1	349308	03/29/17 16:45	PJQ	TAL BUF
Total/NA	Prep	3510C			348827	03/25/17 07:29	RJS	TAL BUF
Total/NA	Analysis	8082A		1	348954	03/27/17 16:27	JMO	TAL BUF

Client Sample ID: MW-5

Date Collected: 03/22/17 14:30

Date Received: 03/23/17 15:30

Lab Sample ID: 480-114997-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	348669	03/24/17 02:46	LCH	TAL BUF
Total/NA	Prep	3510C			348780	03/24/17 14:17	SMP	TAL BUF
Total/NA	Analysis	8270D		1	349308	03/29/17 17:12	PJQ	TAL BUF
Total/NA	Prep	3510C			348827	03/25/17 07:29	RJS	TAL BUF
Total/NA	Analysis	8082A		1	348954	03/27/17 16:43	JMO	TAL BUF

Client Sample ID: MW-6

Date Collected: 03/22/17 15:00

Date Received: 03/23/17 15:30

Lab Sample ID: 480-114997-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	348669	03/24/17 03:09	LCH	TAL BUF
Total/NA	Prep	3510C			348780	03/24/17 14:17	SMP	TAL BUF
Total/NA	Analysis	8270D		1	349308	03/29/17 16:18	PJQ	TAL BUF
Total/NA	Prep	3510C			348827	03/25/17 07:29	RJS	TAL BUF
Total/NA	Analysis	8082A		1	348954	03/27/17 16:58	JMO	TAL BUF

Client Sample ID: S-4

Date Collected: 03/23/17 08:30

Date Received: 03/23/17 15:30

Lab Sample ID: 480-114997-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	348672	03/24/17 04:33	SMY	TAL BUF
Total/NA	Prep	3510C			348780	03/24/17 14:17	SMP	TAL BUF
Total/NA	Analysis	8270D		1	349308	03/29/17 17:40	PJQ	TAL BUF
Total/NA	Prep	3510C			348826	03/25/17 07:22	RJS	TAL BUF
Total/NA	Analysis	8081B		1	348876	03/27/17 14:54	MAN	TAL BUF
Total/NA	Prep	3510C			348827	03/25/17 07:29	RJS	TAL BUF
Total/NA	Analysis	8082A		1	348954	03/27/17 17:13	JMO	TAL BUF
Total/NA	Prep	3005A			348903	03/27/17 09:25	MVZ	TAL BUF
Total/NA	Analysis	6010C		1	349034	03/27/17 23:19	SLB	TAL BUF

TestAmerica Buffalo

Lab Chronicle

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

TestAmerica Job ID: 480-114997-1

Client Sample ID: S-4

Lab Sample ID: 480-114997-4

Date Collected: 03/23/17 08:30

Matrix: Water

Date Received: 03/23/17 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			348693	03/24/17 07:50	JRK	TAL BUF
Total/NA	Analysis	7470A_ASP		1	348782	03/24/17 13:24	JRK	TAL BUF
Total/NA	Prep	9012B			349955	04/03/17 07:05	LAW	TAL BUF
Total/NA	Analysis	9012B		1	349979	04/03/17 11:28	MDL	TAL BUF

Client Sample ID: S-1

Lab Sample ID: 480-114997-5

Date Collected: 03/23/17 09:30

Matrix: Water

Date Received: 03/23/17 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	348672	03/24/17 05:01	SMY	TAL BUF
Total/NA	Prep	3510C			348780	03/24/17 14:17	SMP	TAL BUF
Total/NA	Analysis	8270D		1	349308	03/29/17 18:07	PJQ	TAL BUF
Total/NA	Prep	3510C			348826	03/25/17 07:22	RJS	TAL BUF
Total/NA	Analysis	8081B		1	348876	03/27/17 15:13	MAN	TAL BUF
Total/NA	Prep	3510C			348827	03/25/17 07:29	RJS	TAL BUF
Total/NA	Analysis	8082A		1	348954	03/27/17 17:29	JMO	TAL BUF
Total/NA	Prep	3005A			348903	03/27/17 09:25	MVZ	TAL BUF
Total/NA	Analysis	6010C		1	349034	03/27/17 23:23	SLB	TAL BUF
Total/NA	Prep	7470A			348693	03/24/17 07:50	JRK	TAL BUF
Total/NA	Analysis	7470A_ASP		1	348782	03/24/17 13:31	JRK	TAL BUF
Total/NA	Prep	9012B			349955	04/03/17 07:05	LAW	TAL BUF
Total/NA	Analysis	9012B		1	349979	04/03/17 11:33	MDL	TAL BUF

Client Sample ID: S-2

Lab Sample ID: 480-114997-6

Date Collected: 03/23/17 10:30

Matrix: Water

Date Received: 03/23/17 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	348672	03/24/17 05:28	SMY	TAL BUF
Total/NA	Prep	3510C			348780	03/24/17 14:17	SMP	TAL BUF
Total/NA	Analysis	8270D		1	349308	03/29/17 18:34	PJQ	TAL BUF
Total/NA	Prep	3510C			348826	03/25/17 07:22	RJS	TAL BUF
Total/NA	Analysis	8081B		1	348876	03/27/17 15:33	MAN	TAL BUF
Total/NA	Prep	3510C			348827	03/25/17 07:29	RJS	TAL BUF
Total/NA	Analysis	8082A		1	348954	03/27/17 17:44	JMO	TAL BUF
Total/NA	Prep	3005A			348903	03/27/17 09:25	MVZ	TAL BUF
Total/NA	Analysis	6010C		1	349034	03/27/17 23:26	SLB	TAL BUF
Total/NA	Prep	7470A			348693	03/24/17 07:50	JRK	TAL BUF
Total/NA	Analysis	7470A_ASP		1	348782	03/24/17 13:32	JRK	TAL BUF
Total/NA	Prep	9012B			350066	04/04/17 03:10	LAW	TAL BUF
Total/NA	Analysis	9012B		1	350157	04/04/17 09:51	MDL	TAL BUF

TestAmerica Buffalo

Lab Chronicle

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

TestAmerica Job ID: 480-114997-1

Client Sample ID: S-3

Lab Sample ID: 480-114997-7

Date Collected: 03/23/17 11:30

Matrix: Water

Date Received: 03/23/17 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	348669	03/24/17 03:32	LCH	TAL BUF
Total/NA	Prep	3510C			348780	03/24/17 14:17	SMP	TAL BUF
Total/NA	Analysis	8270D		1	349308	03/29/17 19:01	PJQ	TAL BUF
Total/NA	Prep	3510C			348826	03/25/17 07:22	RJS	TAL BUF
Total/NA	Analysis	8081B		1	348876	03/27/17 15:53	MAN	TAL BUF
Total/NA	Prep	3510C			348827	03/25/17 07:29	RJS	TAL BUF
Total/NA	Analysis	8082A		1	348954	03/27/17 17:59	JMO	TAL BUF
Total/NA	Prep	3005A			348903	03/27/17 09:25	MVZ	TAL BUF
Total/NA	Analysis	6010C		1	349034	03/27/17 23:43	SLB	TAL BUF
Total/NA	Prep	7470A			348693	03/24/17 07:50	JRK	TAL BUF
Total/NA	Analysis	7470A_ASP		1	348782	03/24/17 13:38	JRK	TAL BUF
Total/NA	Prep	9012B			349955	04/03/17 07:05	LAW	TAL BUF
Total/NA	Analysis	9012B		1	349979	04/03/17 11:24	MDL	TAL BUF

Client Sample ID: DUP

Lab Sample ID: 480-114997-8

Date Collected: 03/23/17 00:00

Matrix: Water

Date Received: 03/23/17 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	348669	03/24/17 03:55	LCH	TAL BUF
Total/NA	Prep	3510C			348780	03/24/17 14:17	SMP	TAL BUF
Total/NA	Analysis	8270D		1	349308	03/29/17 19:28	PJQ	TAL BUF
Total/NA	Prep	3510C			348826	03/25/17 07:22	RJS	TAL BUF
Total/NA	Analysis	8081B		1	348876	03/27/17 16:12	MAN	TAL BUF
Total/NA	Prep	3510C			348827	03/25/17 07:29	RJS	TAL BUF
Total/NA	Analysis	8082A		1	348954	03/27/17 18:15	JMO	TAL BUF
Total/NA	Prep	3005A			348903	03/27/17 09:25	MVZ	TAL BUF
Total/NA	Analysis	6010C		1	349034	03/27/17 23:56	SLB	TAL BUF
Total/NA	Prep	7470A			348693	03/24/17 07:50	JRK	TAL BUF
Total/NA	Analysis	7470A_ASP		1	348782	03/24/17 13:39	JRK	TAL BUF
Total/NA	Prep	9012B			349955	04/03/17 07:05	LAW	TAL BUF
Total/NA	Analysis	9012B		1	349979	04/03/17 11:27	MDL	TAL BUF

Client Sample ID: RW-4

Lab Sample ID: 480-114997-9

Date Collected: 03/23/17 13:30

Matrix: Water

Date Received: 03/23/17 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	348669	03/24/17 04:18	LCH	TAL BUF
Total/NA	Prep	3510C			348780	03/24/17 14:17	SMP	TAL BUF
Total/NA	Analysis	8270D		1	349308	03/29/17 19:55	PJQ	TAL BUF
Total/NA	Prep	3510C			348827	03/25/17 07:29	RJS	TAL BUF
Total/NA	Analysis	8082A		1	348954	03/27/17 18:30	JMO	TAL BUF

TestAmerica Buffalo

Lab Chronicle

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

TestAmerica Job ID: 480-114997-1

Client Sample ID: RW-5

Lab Sample ID: 480-114997-10

Date Collected: 03/23/17 14:30

Matrix: Water

Date Received: 03/23/17 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	348669	03/24/17 04:41	LCH	TAL BUF
Total/NA	Prep	3510C			348780	03/24/17 14:17	SMP	TAL BUF
Total/NA	Analysis	8270D		1	349308	03/29/17 20:23	PJQ	TAL BUF
Total/NA	Prep	3510C			348827	03/25/17 07:38	RJS	TAL BUF
Total/NA	Analysis	8082A		1	348954	03/27/17 18:45	JMO	TAL BUF

Laboratory References:

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

Accreditation/Certification Summary

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

TestAmerica Job ID: 480-114997-1

Laboratory: TestAmerica Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	EPA Region	Identification Number	Expiration Date
New York	NELAP	2	10026	03-31-18

The following analytes are included in this report, but accreditation/certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
8260C		Water	1,2-Dichloroethene, Total

Method Summary

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

TestAmerica Job ID: 480-114997-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
8081B	Organochlorine Pesticides (GC)	SW846	TAL BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL BUF
6010C	Metals (ICP)	SW846	TAL BUF
7470A_ASP	Mercury (CVAA)	SW846	TAL BUF
9012B	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: 480-114997-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-114997-1	MW-4	Water	03/22/17 14:00	03/23/17 15:30
480-114997-2	MW-5	Water	03/22/17 14:30	03/23/17 15:30
480-114997-3	MW-6	Water	03/22/17 15:00	03/23/17 15:30
480-114997-4	S-4	Water	03/23/17 08:30	03/23/17 15:30
480-114997-5	S-1	Water	03/23/17 09:30	03/23/17 15:30
480-114997-6	S-2	Water	03/23/17 10:30	03/23/17 15:30
480-114997-7	S-3	Water	03/23/17 11:30	03/23/17 15:30
480-114997-8	DUP	Water	03/23/17 00:00	03/23/17 15:30
480-114997-9	RW-4	Water	03/23/17 13:30	03/23/17 15:30
480-114997-10	RW-5	Water	03/23/17 14:30	03/23/17 15:30

Quantitation Limit Exceptions Summary

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

TestAmerica Job ID: 480-114997-1

The requested project specific reporting limits listed below were less than laboratory standard quantitation limits (PQL) but greater than or equal to the laboratory method detection limits (MDL). It must be noted that results reported below lab standard quantitation limits may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedures do not indicate corrective action for detections below the laboratory's PQL.

Method	Matrix	Analyte	Units	Client RL	Lab PQL
6010C	Water	Arsenic	mg/L	0.010	0.015
6010C	Water	Cadmium	mg/L	0.0010	0.002
6010C	Water	Lead	mg/L	0.0050	0.01
6010C	Water	Selenium	mg/L	0.015	0.025
6010C	Water	Silver	mg/L	0.0030	0.006



480-114997 COC

TestAmerica

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Temperature on Receipt _____

Drinking Water? Yes ☐ No ☐

Chain of Custody Record

TAL-4124 (1007)

Client	GES / Tom Valour	Project Manager	T. Valour	Date	3/22/17	Chain of Custody Number	279005
Address	495 Aero Soil 3	Telephone Number (Area Code)/Fax Number	716 866 3590	Lab Number		Page	1 of 1
City	Chesbrough	State	NH	Zip Code	14225		
Project Name and Location (State)	Chesbrough Annual GWS	Site Contact	Diante Johnson	Carrier/Waybill Number			

Contract/Purchase Order/Quote No. 48002788 / PO 0901469

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Matrix				Containers & Preservatives				Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Special Instructions/ Conditions of Receipt
		Air	Aqueous	Sed.	Soil											
MW-4	3/22		/							4			3			7012B - Cymw
MW-5	3/22		/							4			3			6010C, 7470A
MW-6	3/22		/							12			9			80816 TCL 100
S-4	3/23		/							6			131			8260000
S-1	3/23		/							6			131			8082N PCBs
S-2	3/23		/							6			131			827A SUD
S-3	3/23		/							6			131			223
Dug	3/23		/							6			131			223
RW-4	3/23		/							4			3			223
RW-5	3/23		/							4			3			223

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown
 Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

1. Relinquished By	2. Relinquished By	3. Relinquished By
Date: 3/23 Time: 1530 Date: _____ Time: _____ Date: _____ Time: _____	Date: 3-23-17 Time: 1530 Date: _____ Time: _____ Date: _____ Time: _____	Date: _____ Time: _____ Date: _____ Time: _____ Date: _____ Time: _____

Comments

#1217, 31, 2.5, 3.0

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Login Sample Receipt Checklist

Client: Groundwater & Environmental Services Inc

Job Number: 480-114997-1

Login Number: 114997

List Source: TestAmerica Buffalo

List Number: 1

Creator: Wallace, Cameron

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 (Excluding tests with immediate HTs)..	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.	True	
Chlorine Residual checked.	False	

TestAmerica

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ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-125448-1

Client Project/Site: Cherry Farms Annual GW Sample

For:

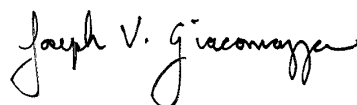
Groundwater & Environmental Services Inc

495 Aero Drive

Suite 3

Cheektowaga, New York 14225

Attn: Thomas Palmer



Authorized for release by:

10/19/2017 5:18:42 PM

Joe Giacomazza, Project Management Assistant II

joe.giacomazza@testamericainc.com

Designee for

Orlette Johnson, Senior Project Manager

(484)685-0864

orlette.johnson@testamericainc.com

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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: 480-125448-1

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.
F1	MS and/or MSD Recovery is outside acceptance limits.

GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
*	ISTD response or retention time outside acceptable limits
X	Surrogate is outside control limits
F2	MS/MSD RPD exceeds control limits
F1	MS and/or MSD Recovery is outside acceptance limits.
E	Result exceeded calibration range.

GC Semi VOA

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

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.

Glossary

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

Case Narrative

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

TestAmerica Job ID: 480-125448-1

Job ID: 480-125448-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-125448-1

Comments

No additional comments.

Receipt

The samples were received on 10/6/2017 1:50 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 3 coolers at receipt time were 2.0° C, 2.5° C and 2.6° C.

GC/MS VOA

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-381807 recovered above the upper control limit for Carbon tetrachloride, 1,1,1-Trichloroethane, and 2-Butanone (MEK). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: S-4 (480-125448-1) and S-3 (480-125448-2).

Method(s) 8260C: The following volatiles sample was diluted due to foaming at the time of purging during the original sample analysis: S-3 (480-125448-2). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-381812 recovered above the upper control limit for 2-Hexanone. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: MW-4 (480-125448-3), MW-5 (480-125448-4), MW-6 (480-125448-5), DUP (480-125448-6), RW-4 (480-125448-7) and RW-5 (480-125448-8).

Method(s) 8260C: The following volatiles samples were diluted due to foaming at the time of purging during the original sample analysis: MW-5 (480-125448-4) and DUP (480-125448-6). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 480-381812 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-382072 recovered above the upper control limit for Vinyl chloride and Tetrachloroethene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following sample is impacted: S-1 (480-125448-9).

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-382161 recovered outside acceptance criteria, low biased, for Carbon tetrachloride and Chlorodibromomethane. A reporting limit (RL) standard was analyzed, and the target analytes were detected. Since the associated samples were non-detect for these analytes, the data have been reported. The following sample is impacted: S-2 (480-125448-10).

Method(s) 8260C: The following volatiles sample was diluted due to foaming at the time of purging during the original sample analysis: S-1 (480-125448-9). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA

Method(s) 8270D: Due to an increase in the spiking concentration required for other analytes of interest, the following compounds have been elevated to a level above the upper range of the initial calibration: 3,3'-Dichlorobenzidine. The laboratory control sample (LCS) has been qualified with an "E" flag. (LCS 480-380986/2-A)

Method(s) 8270D: The continuing calibration verification (CCV) associated with batch 480-381299 recovered above the upper control limit for Carbazole. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: S-4 (480-125448-1), S-3 (480-125448-2), MW-4 (480-125448-3), MW-5 (480-125448-4), MW-6 (480-125448-5), DUP (480-125448-6), RW-4 (480-125448-7) and RW-5 (480-125448-8).

Case Narrative

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

TestAmerica Job ID: 480-125448-1

Job ID: 480-125448-1 (Continued)

Laboratory: TestAmerica Buffalo (Continued)

Method(s) 8270D: The laboratory control sample (LCS) for preparation batch 480-380986 and analytical batch 480-381299 recovered outside control limits for the following analytes: 3,3'-Dichlorobenzidine, 3-Nitroaniline, 4-Nitroaniline, Carbazole and Dimethyl phthalate. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method(s) 8270D: Surrogate recovery for the following sample was outside the upper control limit: MW-6 (480-125448-5). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Method(s) 8270D: Surrogate recovery for the following sample was outside control limits: S-3 (480-125448-2). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method(s) 8270D: Due to sample matrix effect on the internal standard (ISTD), a dilution was required for the following sample: S-3 (480-125448-2). The affected analytes have been reported from the dilution.

Method(s) 8270D: The continuing calibration verification (CCV) associated with batch 480-381312 recovered above the upper control limit for Carbazole. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: S-1 (480-125448-9) and S-2 (480-125448-10).

Method(s) 8270D: The laboratory control sample (LCS) for preparation batch 480-380986 and analytical batch 480-381312 recovered outside control limits for the following analytes: 3,3'-Dichlorobenzidine, 3-Nitroaniline, 4-Nitroaniline, Carbazole and Dimethyl phthalate. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method(s) 8270D: The following sample was diluted to bring the concentration of target analytes within the calibration range: S-3 (480-125448-2). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA

Method(s) 8081B: For method 8081, the recovery of the one surrogate in samples S-4 (480-125448-1) exceeds quality control limits due to the sample matrix. The recovery of the secondary surrogate is within quality control criteria; no corrective action is required.

Method(s) 8082A: All primary data for analytical batch 380606 is reported from the ZB-35 column, while all primary data for analytical batch 381272 is reported from the ZB-5 column.

Method(s) 8082A: The percent difference in a multi-component continuing calibration verification is assessed on the basis of the total amount, individual peak calculations are only listed for completeness.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals

Method(s) 6010C: The continuing calibration blank (CCB 480-381249/30) contained Total Potassium above the reporting limit (RL). All reported samples (LCS 480-380806/2-A) and (MB 480-380806/1-A) associated with this CCB were either ND for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCB; therefore, re-analysis of samples was not performed.

Method(s) 6010C: The Low Level Continuing Calibration Verification (CCVL 480-381249/31) contained Total Potassium outside the control limits. All reported samples (LCS 480-380806/2-A) and (MB 480-380806/1-A) associated with this CCVL were either below the laboratory's standard reporting limit for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCVL; therefore, re-analysis of samples was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry

Method(s) 9012B: The results reported for the following sample do not concur with results previously reported for this site: S-1 (480-125448-9). Reanalysis was performed and results greater than historically reported were confirmed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Case Narrative

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

TestAmerica Job ID: 480-125448-1

Job ID: 480-125448-1 (Continued)

Laboratory: TestAmerica Buffalo (Continued)

Organic Prep

Method(s) 3510C: During pH adjustment, the following sample required a drop of acid to reach the desired pH: S-2 (480-125448-10). Most samples take less than a drop to reach the desired range.

Method(s) 3510C: Elevated reporting limits are provided for the following samples due to insufficient sample provided for preparation. MW-4 (480-125448-3), MW-4 (480-125448-3[MS]), RW-4 (480-125448-7), RW-5 (480-125448-8) and S-1 (480-125448-9).

Method(s) 3510C: During pH adjustment, the following sample required a drop of sulfuric acid to reach the desired pH: S-2 (480-125448-10). Most samples take less than a drop to reach the desired range.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

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

TestAmerica Job ID: 480-125448-1

Client Sample ID: S-4

Lab Sample ID: 480-125448-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	1.6		1.0	0.38	ug/L	1		8260C	Total/NA
1,2-Dichloroethene, Total	3.5		2.0	0.81	ug/L	1		8260C	Total/NA
Benzene	2.2		1.0	0.41	ug/L	1		8260C	Total/NA
Ethylbenzene	0.92	J	1.0	0.74	ug/L	1		8260C	Total/NA
Xylenes, Total	7.4		2.0	0.66	ug/L	1		8260C	Total/NA
Di-n-butyl phthalate	0.37	J	5.1	0.32	ug/L	1		8270D	Total/NA
Diethyl phthalate	0.28	J	5.1	0.22	ug/L	1		8270D	Total/NA
Dimethyl phthalate	1.4	J *	5.1	0.37	ug/L	1		8270D	Total/NA
gamma-BHC (Lindane)	0.028	J	0.050	0.0080	ug/L	1		8081B	Total/NA
PCB-1242	0.73		0.50	0.18	ug/L	1		8082A	Total/NA
Barium	0.11		0.0020	0.00070	mg/L	1		6010C	Total/NA
Calcium	445		0.50	0.10	mg/L	1		6010C	Total/NA
Chromium	0.0035	J	0.0040	0.0010	mg/L	1		6010C	Total/NA
Cobalt	0.0058		0.0040	0.00063	mg/L	1		6010C	Total/NA
Copper	0.022		0.010	0.0016	mg/L	1		6010C	Total/NA
Iron	7.8		0.050	0.019	mg/L	1		6010C	Total/NA
Lead	0.0034	J	0.0050	0.0030	mg/L	1		6010C	Total/NA
Magnesium	16.9		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	1.6	B	0.0030	0.00040	mg/L	1		6010C	Total/NA
Nickel	0.31		0.010	0.0013	mg/L	1		6010C	Total/NA
Potassium	91.6		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	115		1.0	0.32	mg/L	1		6010C	Total/NA
Vanadium	0.0017	J	0.0050	0.0015	mg/L	1		6010C	Total/NA
Zinc	0.043		0.010	0.0015	mg/L	1		6010C	Total/NA
Cyanide, Total	0.033		0.010	0.0050	mg/L	1		9012B	Total/NA

Client Sample ID: S-3

Lab Sample ID: 480-125448-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	2.2		2.0	0.76	ug/L	2		8260C	Total/NA
1,2-Dichloroethene, Total	2.0	J	4.0	1.6	ug/L	2		8260C	Total/NA
Methylene Chloride	1.4	J	2.0	0.88	ug/L	2		8260C	Total/NA
Xylenes, Total	1.4	J	4.0	1.3	ug/L	2		8260C	Total/NA
2,4,5-Trichlorophenol	1.4	J	5.0	0.48	ug/L	1		8270D	Total/NA
2-Methylphenol	36		5.0	0.40	ug/L	1		8270D	Total/NA
Acenaphthene	0.84	J	5.0	0.41	ug/L	1		8270D	Total/NA
Acenaphthylene	0.48	J	5.0	0.38	ug/L	1		8270D	Total/NA
Fluorene	0.67	J	5.0	0.36	ug/L	1		8270D	Total/NA
Phenanthrene	0.78	J	5.0	0.44	ug/L	1		8270D	Total/NA
2,4-Dimethylphenol - DL	58		25	2.5	ug/L	5		8270D	Total/NA
4-Methylphenol - DL	74		50	1.8	ug/L	5		8270D	Total/NA
Naphthalene - DL	4.9	J	25	3.8	ug/L	5		8270D	Total/NA
PCB-1242	0.46	J	0.50	0.18	ug/L	1		8082A	Total/NA
Aluminum	0.40		0.20	0.060	mg/L	1		6010C	Total/NA
Barium	0.044		0.0020	0.00070	mg/L	1		6010C	Total/NA
Calcium	74.5		0.50	0.10	mg/L	1		6010C	Total/NA
Iron	0.032	J	0.050	0.019	mg/L	1		6010C	Total/NA
Lead	0.0033	J	0.0050	0.0030	mg/L	1		6010C	Total/NA
Magnesium	0.081	J	0.20	0.043	mg/L	1		6010C	Total/NA
Nickel	0.0013	J	0.010	0.0013	mg/L	1		6010C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

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

TestAmerica Job ID: 480-125448-1

Client Sample ID: S-3 (Continued)

Lab Sample ID: 480-125448-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Potassium	59.5		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	112		1.0	0.32	mg/L	1		6010C	Total/NA
Vanadium	0.0072		0.0050	0.0015	mg/L	1		6010C	Total/NA
Zinc	0.0018	J	0.010	0.0015	mg/L	1		6010C	Total/NA
Cyanide, Total	0.030		0.010	0.0050	mg/L	1		9012B	Total/NA

Client Sample ID: MW-4

Lab Sample ID: 480-125448-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	4.9	J	10	3.0	ug/L	1		8260C	Total/NA
Di-n-butyl phthalate	0.48	J	5.4	0.34	ug/L	1		8270D	Total/NA

Client Sample ID: MW-5

Lab Sample ID: 480-125448-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	17	J	40	12	ug/L	4		8260C	Total/NA
Benzene	19		4.0	1.6	ug/L	4		8260C	Total/NA
Methylene Chloride	3.3	J	4.0	1.8	ug/L	4		8260C	Total/NA
Di-n-butyl phthalate	0.46	J	5.4	0.34	ug/L	1		8270D	Total/NA

Client Sample ID: MW-6

Lab Sample ID: 480-125448-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	6.0	J	10	3.0	ug/L	1		8260C	Total/NA
Di-n-butyl phthalate	0.38	J	5.0	0.31	ug/L	1		8270D	Total/NA

Client Sample ID: DUP

Lab Sample ID: 480-125448-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	25	J	40	12	ug/L	4		8260C	Total/NA
Benzene	17		4.0	1.6	ug/L	4		8260C	Total/NA
Methylene Chloride	3.3	J	4.0	1.8	ug/L	4		8260C	Total/NA
Di-n-butyl phthalate	0.40	J	5.3	0.33	ug/L	1		8270D	Total/NA

Client Sample ID: RW-4

Lab Sample ID: 480-125448-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.1	J	10	3.0	ug/L	1		8260C	Total/NA
Di-n-butyl phthalate	1.2	J	5.3	0.33	ug/L	1		8270D	Total/NA
Diethyl phthalate	0.77	J	5.3	0.23	ug/L	1		8270D	Total/NA

Client Sample ID: RW-5

Lab Sample ID: 480-125448-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Di-n-butyl phthalate	0.39	J	5.4	0.34	ug/L	1		8270D	Total/NA
Diethyl phthalate	0.26	J	5.4	0.24	ug/L	1		8270D	Total/NA

Client Sample ID: S-1

Lab Sample ID: 480-125448-9

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

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

TestAmerica Job ID: 480-125448-1

Client Sample ID: S-1 (Continued)

Lab Sample ID: 480-125448-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	2.2		2.0	0.76	ug/L	2		8260C	Total/NA
1,2-Dichloroethene, Total	1.7	J	4.0	1.6	ug/L	2		8260C	Total/NA
2,4,5-Trichlorophenol	1.4	J	5.4	0.52	ug/L	1		8270D	Total/NA
2,4-Dimethylphenol	60		5.4	0.54	ug/L	1		8270D	Total/NA
2-Methylnaphthalene	0.72	J	5.4	0.65	ug/L	1		8270D	Total/NA
2-Methylphenol	18		5.4	0.43	ug/L	1		8270D	Total/NA
4-Methylphenol	43		11	0.39	ug/L	1		8270D	Total/NA
Acenaphthene	0.73	J	5.4	0.45	ug/L	1		8270D	Total/NA
Acenaphthylene	0.46	J	5.4	0.41	ug/L	1		8270D	Total/NA
Di-n-butyl phthalate	0.46	J	5.4	0.34	ug/L	1		8270D	Total/NA
Fluorene	0.59	J	5.4	0.39	ug/L	1		8270D	Total/NA
Naphthalene	6.4		5.4	0.83	ug/L	1		8270D	Total/NA
Phenanthrene	0.61	J	5.4	0.48	ug/L	1		8270D	Total/NA
PCB-1248	0.49	J	0.53	0.19	ug/L	1		8082A	Total/NA
Aluminum	0.41		0.20	0.060	mg/L	1		6010C	Total/NA
Barium	0.044		0.0020	0.00070	mg/L	1		6010C	Total/NA
Calcium	74.8		0.50	0.10	mg/L	1		6010C	Total/NA
Iron	0.036	J	0.050	0.019	mg/L	1		6010C	Total/NA
Magnesium	0.061	J	0.20	0.043	mg/L	1		6010C	Total/NA
Nickel	0.0014	J	0.010	0.0013	mg/L	1		6010C	Total/NA
Potassium	59.4		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	112		1.0	0.32	mg/L	1		6010C	Total/NA
Vanadium	0.0070		0.0050	0.0015	mg/L	1		6010C	Total/NA
Zinc	0.0024	J	0.010	0.0015	mg/L	1		6010C	Total/NA
Cyanide, Total	0.024		0.010	0.0050	mg/L	1		9012B	Total/NA

Client Sample ID: S-2

Lab Sample ID: 480-125448-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.56	J	1.0	0.38	ug/L	1		8260C	Total/NA
1,2-Dichloroethene, Total	17		2.0	0.81	ug/L	1		8260C	Total/NA
Acetone	5.2	J	10	3.0	ug/L	1		8260C	Total/NA
Benzene	0.64	J	1.0	0.41	ug/L	1		8260C	Total/NA
Trichloroethene	2.9		1.0	0.46	ug/L	1		8260C	Total/NA
Vinyl chloride	2.8		1.0	0.90	ug/L	1		8260C	Total/NA
2,4-Dimethylphenol	3.4	J	5.0	0.50	ug/L	1		8270D	Total/NA
2-Methylphenol	1.4	J	5.0	0.40	ug/L	1		8270D	Total/NA
4-Methylphenol	3.1	J	10	0.36	ug/L	1		8270D	Total/NA
Di-n-butyl phthalate	0.48	J	5.0	0.31	ug/L	1		8270D	Total/NA
Phenanthrene	0.57	J	5.0	0.44	ug/L	1		8270D	Total/NA
Phenol	0.51	J	5.0	0.39	ug/L	1		8270D	Total/NA
4,4'-DDT	0.014	J	0.050	0.011	ug/L	1		8081B	Total/NA
gamma-BHC (Lindane)	0.011	J	0.050	0.0080	ug/L	1		8081B	Total/NA
PCB-1248	0.19	J	0.50	0.18	ug/L	1		8082A	Total/NA
Aluminum	0.32		0.20	0.060	mg/L	1		6010C	Total/NA
Barium	0.071		0.0020	0.00070	mg/L	1		6010C	Total/NA
Calcium	111		0.50	0.10	mg/L	1		6010C	Total/NA
Potassium	35.2		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	53.1		1.0	0.32	mg/L	1		6010C	Total/NA
Vanadium	0.0047	J	0.0050	0.0015	mg/L	1		6010C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

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

TestAmerica Job ID: 480-125448-1

Client Sample ID: S-2 (Continued)

Lab Sample ID: 480-125448-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Zinc	0.0018	J	0.010	0.0015	mg/L	1		6010C	Total/NA
Cyanide, Total	0.010		0.010	0.0050	mg/L	1		9012B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-125448-1

Client Sample ID: S-4

Lab Sample ID: 480-125448-1

Date Collected: 10/04/17 13:00

Matrix: Water

Date Received: 10/06/17 13:50

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/14/17 14:50	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/14/17 14:50	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/14/17 14:50	1
1,1-Dichloroethane	1.6		1.0	0.38	ug/L			10/14/17 14:50	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/14/17 14:50	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/14/17 14:50	1
1,2-Dichloroethene, Total	3.5		2.0	0.81	ug/L			10/14/17 14:50	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/14/17 14:50	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/14/17 14:50	1
2-Hexanone	ND		5.0	1.2	ug/L			10/14/17 14:50	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/14/17 14:50	1
Acetone	ND		10	3.0	ug/L			10/14/17 14:50	1
Benzene	2.2		1.0	0.41	ug/L			10/14/17 14:50	1
Bromoform	ND		1.0	0.26	ug/L			10/14/17 14:50	1
Bromomethane	ND		1.0	0.69	ug/L			10/14/17 14:50	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/14/17 14:50	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/14/17 14:50	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/14/17 14:50	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/14/17 14:50	1
Chloroethane	ND		1.0	0.32	ug/L			10/14/17 14:50	1
Chloroform	ND		1.0	0.34	ug/L			10/14/17 14:50	1
Chloromethane	ND		1.0	0.35	ug/L			10/14/17 14:50	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/14/17 14:50	1
Ethylbenzene	0.92	J	1.0	0.74	ug/L			10/14/17 14:50	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/14/17 14:50	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/14/17 14:50	1
Toluene	ND		1.0	0.51	ug/L			10/14/17 14:50	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/14/17 14:50	1
Trichloroethene	ND		1.0	0.46	ug/L			10/14/17 14:50	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/14/17 14:50	1
Xylenes, Total	7.4		2.0	0.66	ug/L			10/14/17 14:50	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/14/17 14:50	1
Styrene	ND		1.0	0.73	ug/L			10/14/17 14:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		77 - 120		10/14/17 14:50	1
4-Bromofluorobenzene (Surr)	99		73 - 120		10/14/17 14:50	1
Toluene-d8 (Surr)	96		80 - 120		10/14/17 14:50	1
Dibromofluoromethane (Surr)	96		75 - 123		10/14/17 14:50	1

Method: 8270D - 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		10/10/17 07:45	10/11/17 23:54	1
1,2,4-Trichlorobenzene	ND		10	0.45	ug/L		10/10/17 07:45	10/11/17 23:54	1
2,4,5-Trichlorophenol	ND		5.1	0.49	ug/L		10/10/17 07:45	10/11/17 23:54	1
1,2-Dichlorobenzene	ND		10	0.41	ug/L		10/10/17 07:45	10/11/17 23:54	1
2,4,6-Trichlorophenol	ND		5.1	0.62	ug/L		10/10/17 07:45	10/11/17 23:54	1
2,4-Dichlorophenol	ND		5.1	0.52	ug/L		10/10/17 07:45	10/11/17 23:54	1
2,4-Dimethylphenol	ND		5.1	0.51	ug/L		10/10/17 07:45	10/11/17 23:54	1
1,3-Dichlorobenzene	ND		10	0.49	ug/L		10/10/17 07:45	10/11/17 23:54	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-125448-1

Client Sample ID: S-4

Lab Sample ID: 480-125448-1

Date Collected: 10/04/17 13:00

Matrix: Water

Date Received: 10/06/17 13:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrophenol	ND		10	2.3	ug/L		10/10/17 07:45	10/11/17 23:54	1
2,4-Dinitrotoluene	ND		5.1	0.46	ug/L		10/10/17 07:45	10/11/17 23:54	1
1,4-Dichlorobenzene	ND		10	0.47	ug/L		10/10/17 07:45	10/11/17 23:54	1
2,6-Dinitrotoluene	ND		5.1	0.41	ug/L		10/10/17 07:45	10/11/17 23:54	1
2-Chloronaphthalene	ND		5.1	0.47	ug/L		10/10/17 07:45	10/11/17 23:54	1
2-Chlorophenol	ND		5.1	0.54	ug/L		10/10/17 07:45	10/11/17 23:54	1
2-Methylnaphthalene	ND		5.1	0.61	ug/L		10/10/17 07:45	10/11/17 23:54	1
2-Methylphenol	ND		5.1	0.41	ug/L		10/10/17 07:45	10/11/17 23:54	1
2-Nitroaniline	ND		10	0.43	ug/L		10/10/17 07:45	10/11/17 23:54	1
2-Nitrophenol	ND		5.1	0.49	ug/L		10/10/17 07:45	10/11/17 23:54	1
3,3'-Dichlorobenzidine	ND	*	5.1	0.41	ug/L		10/10/17 07:45	10/11/17 23:54	1
3-Nitroaniline	ND	*	10	0.49	ug/L		10/10/17 07:45	10/11/17 23:54	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		10/10/17 07:45	10/11/17 23:54	1
4-Bromophenyl phenyl ether	ND		5.1	0.46	ug/L		10/10/17 07:45	10/11/17 23:54	1
4-Chloro-3-methylphenol	ND		5.1	0.46	ug/L		10/10/17 07:45	10/11/17 23:54	1
4-Chloroaniline	ND		5.1	0.60	ug/L		10/10/17 07:45	10/11/17 23:54	1
4-Chlorophenyl phenyl ether	ND		5.1	0.36	ug/L		10/10/17 07:45	10/11/17 23:54	1
4-Methylphenol	ND		10	0.37	ug/L		10/10/17 07:45	10/11/17 23:54	1
4-Nitroaniline	ND	*	10	0.26	ug/L		10/10/17 07:45	10/11/17 23:54	1
4-Nitrophenol	ND		10	1.6	ug/L		10/10/17 07:45	10/11/17 23:54	1
Acenaphthene	ND		5.1	0.42	ug/L		10/10/17 07:45	10/11/17 23:54	1
Acenaphthylene	ND		5.1	0.39	ug/L		10/10/17 07:45	10/11/17 23:54	1
Anthracene	ND		5.1	0.29	ug/L		10/10/17 07:45	10/11/17 23:54	1
Benzo[a]anthracene	ND		5.1	0.37	ug/L		10/10/17 07:45	10/11/17 23:54	1
Benzo[a]pyrene	ND		5.1	0.48	ug/L		10/10/17 07:45	10/11/17 23:54	1
Benzo[b]fluoranthene	ND		5.1	0.35	ug/L		10/10/17 07:45	10/11/17 23:54	1
Benzo[g,h,i]perylene	ND		5.1	0.36	ug/L		10/10/17 07:45	10/11/17 23:54	1
Benzo[k]fluoranthene	ND		5.1	0.74	ug/L		10/10/17 07:45	10/11/17 23:54	1
Bis(2-chloroethoxy)methane	ND		5.1	0.36	ug/L		10/10/17 07:45	10/11/17 23:54	1
Bis(2-chloroethyl)ether	ND		5.1	0.41	ug/L		10/10/17 07:45	10/11/17 23:54	1
Bis(2-ethylhexyl) phthalate	ND		5.1	2.2	ug/L		10/10/17 07:45	10/11/17 23:54	1
Butyl benzyl phthalate	ND		5.1	1.0	ug/L		10/10/17 07:45	10/11/17 23:54	1
Carbazole	ND	*	5.1	0.31	ug/L		10/10/17 07:45	10/11/17 23:54	1
Chrysene	ND		5.1	0.34	ug/L		10/10/17 07:45	10/11/17 23:54	1
Di-n-butyl phthalate	0.37	J	5.1	0.32	ug/L		10/10/17 07:45	10/11/17 23:54	1
Di-n-octyl phthalate	ND		5.1	0.48	ug/L		10/10/17 07:45	10/11/17 23:54	1
Dibenz(a,h)anthracene	ND		5.1	0.43	ug/L		10/10/17 07:45	10/11/17 23:54	1
Dibenzofuran	ND		10	0.52	ug/L		10/10/17 07:45	10/11/17 23:54	1
Diethyl phthalate	0.28	J	5.1	0.22	ug/L		10/10/17 07:45	10/11/17 23:54	1
Dimethyl phthalate	1.4	J *	5.1	0.37	ug/L		10/10/17 07:45	10/11/17 23:54	1
Fluoranthene	ND		5.1	0.41	ug/L		10/10/17 07:45	10/11/17 23:54	1
Fluorene	ND		5.1	0.37	ug/L		10/10/17 07:45	10/11/17 23:54	1
Hexachlorobenzene	ND		5.1	0.52	ug/L		10/10/17 07:45	10/11/17 23:54	1
Hexachlorobutadiene	ND		5.1	0.69	ug/L		10/10/17 07:45	10/11/17 23:54	1
Hexachlorocyclopentadiene	ND		5.1	0.60	ug/L		10/10/17 07:45	10/11/17 23:54	1
Hexachloroethane	ND		5.1	0.60	ug/L		10/10/17 07:45	10/11/17 23:54	1
Indeno[1,2,3-cd]pyrene	ND		5.1	0.48	ug/L		10/10/17 07:45	10/11/17 23:54	1
Isophorone	ND		5.1	0.44	ug/L		10/10/17 07:45	10/11/17 23:54	1
N-Nitrosodi-n-propylamine	ND		5.1	0.55	ug/L		10/10/17 07:45	10/11/17 23:54	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-125448-1

Client Sample ID: S-4

Lab Sample ID: 480-125448-1

Date Collected: 10/04/17 13:00

Matrix: Water

Date Received: 10/06/17 13:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		5.1	0.52	ug/L		10/10/17 07:45	10/11/17 23:54	1
Naphthalene	ND		5.1	0.78	ug/L		10/10/17 07:45	10/11/17 23:54	1
Nitrobenzene	ND		5.1	0.30	ug/L		10/10/17 07:45	10/11/17 23:54	1
Pentachlorophenol	ND		10	2.2	ug/L		10/10/17 07:45	10/11/17 23:54	1
Phenanthrene	ND		5.1	0.45	ug/L		10/10/17 07:45	10/11/17 23:54	1
Phenol	ND		5.1	0.40	ug/L		10/10/17 07:45	10/11/17 23:54	1
Pyrene	ND		5.1	0.35	ug/L		10/10/17 07:45	10/11/17 23:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	117		41 - 120	10/10/17 07:45	10/11/17 23:54	1
2-Fluorobiphenyl	102		48 - 120	10/10/17 07:45	10/11/17 23:54	1
2-Fluorophenol	76		35 - 120	10/10/17 07:45	10/11/17 23:54	1
Nitrobenzene-d5	108		46 - 120	10/10/17 07:45	10/11/17 23:54	1
p-Terphenyl-d14	79		59 - 136	10/10/17 07:45	10/11/17 23:54	1
Phenol-d5	57		22 - 120	10/10/17 07:45	10/11/17 23:54	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.050	0.0092	ug/L		10/09/17 15:41	10/10/17 13:47	1
4,4'-DDE	ND		0.050	0.012	ug/L		10/09/17 15:41	10/10/17 13:47	1
4,4'-DDT	ND		0.050	0.011	ug/L		10/09/17 15:41	10/10/17 13:47	1
Aldrin	ND		0.050	0.0081	ug/L		10/09/17 15:41	10/10/17 13:47	1
alpha-BHC	ND		0.050	0.0077	ug/L		10/09/17 15:41	10/10/17 13:47	1
alpha-Chlordane	ND		0.050	0.015	ug/L		10/09/17 15:41	10/10/17 13:47	1
beta-BHC	ND		0.050	0.025	ug/L		10/09/17 15:41	10/10/17 13:47	1
delta-BHC	ND		0.050	0.010	ug/L		10/09/17 15:41	10/10/17 13:47	1
Dieldrin	ND		0.050	0.0098	ug/L		10/09/17 15:41	10/10/17 13:47	1
Endosulfan I	ND		0.050	0.011	ug/L		10/09/17 15:41	10/10/17 13:47	1
Endosulfan II	ND		0.050	0.012	ug/L		10/09/17 15:41	10/10/17 13:47	1
Endosulfan sulfate	ND		0.050	0.016	ug/L		10/09/17 15:41	10/10/17 13:47	1
Endrin	ND		0.050	0.014	ug/L		10/09/17 15:41	10/10/17 13:47	1
Endrin aldehyde	ND		0.050	0.016	ug/L		10/09/17 15:41	10/10/17 13:47	1
Endrin ketone	ND		0.050	0.012	ug/L		10/09/17 15:41	10/10/17 13:47	1
gamma-BHC (Lindane)	0.028	J	0.050	0.0080	ug/L		10/09/17 15:41	10/10/17 13:47	1
gamma-Chlordane	ND		0.050	0.011	ug/L		10/09/17 15:41	10/10/17 13:47	1
Heptachlor	ND		0.050	0.0085	ug/L		10/09/17 15:41	10/10/17 13:47	1
Heptachlor epoxide	ND		0.050	0.0074	ug/L		10/09/17 15:41	10/10/17 13:47	1
Methoxychlor	ND		0.050	0.014	ug/L		10/09/17 15:41	10/10/17 13:47	1
Toxaphene	ND		0.50	0.12	ug/L		10/09/17 15:41	10/10/17 13:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	83		20 - 120	10/09/17 15:41	10/10/17 13:47	1
Tetrachloro-m-xylene	195	X	44 - 120	10/09/17 15:41	10/10/17 13:47	1

Method: 8082A - 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		10/10/17 14:43	10/11/17 15:35	1
PCB-1221	ND		0.50	0.18	ug/L		10/10/17 14:43	10/11/17 15:35	1
PCB-1232	ND		0.50	0.18	ug/L		10/10/17 14:43	10/11/17 15:35	1
PCB-1242	0.73		0.50	0.18	ug/L		10/10/17 14:43	10/11/17 15:35	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-125448-1

Client Sample ID: S-4

Lab Sample ID: 480-125448-1

Date Collected: 10/04/17 13:00

Matrix: Water

Date Received: 10/06/17 13:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1248	ND		0.50	0.18	ug/L		10/10/17 14:43	10/11/17 15:35	1
PCB-1254	ND		0.50	0.25	ug/L		10/10/17 14:43	10/11/17 15:35	1
PCB-1260	ND		0.50	0.25	ug/L		10/10/17 14:43	10/11/17 15:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	52		19 - 120				10/10/17 14:43	10/11/17 15:35	1
Tetrachloro-m-xylene	66		39 - 121				10/10/17 14:43	10/11/17 15:35	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		10/10/17 09:05	10/11/17 03:14	1
Antimony	ND		0.020	0.0068	mg/L		10/10/17 09:05	10/11/17 03:14	1
Arsenic	ND		0.010	0.0056	mg/L		10/10/17 09:05	10/11/17 03:14	1
Barium	0.11		0.0020	0.00070	mg/L		10/10/17 09:05	10/11/17 03:14	1
Beryllium	ND		0.0020	0.00030	mg/L		10/10/17 09:05	10/11/17 03:14	1
Cadmium	ND		0.0010	0.00050	mg/L		10/10/17 09:05	10/11/17 03:14	1
Calcium	445		0.50	0.10	mg/L		10/10/17 09:05	10/11/17 03:14	1
Chromium	0.0035	J	0.0040	0.0010	mg/L		10/10/17 09:05	10/11/17 03:14	1
Cobalt	0.0058		0.0040	0.00063	mg/L		10/10/17 09:05	10/11/17 03:14	1
Copper	0.022		0.010	0.0016	mg/L		10/10/17 09:05	10/11/17 03:14	1
Iron	7.8		0.050	0.019	mg/L		10/10/17 09:05	10/11/17 03:14	1
Lead	0.0034	J	0.0050	0.0030	mg/L		10/10/17 09:05	10/11/17 03:14	1
Magnesium	16.9		0.20	0.043	mg/L		10/10/17 09:05	10/11/17 03:14	1
Manganese	1.6	B	0.0030	0.00040	mg/L		10/10/17 09:05	10/11/17 03:14	1
Nickel	0.31		0.010	0.0013	mg/L		10/10/17 09:05	10/11/17 03:14	1
Potassium	91.6		0.50	0.10	mg/L		10/10/17 09:05	10/11/17 03:14	1
Selenium	ND		0.015	0.0087	mg/L		10/10/17 09:05	10/11/17 03:14	1
Silver	ND		0.0030	0.0017	mg/L		10/10/17 09:05	10/11/17 03:14	1
Sodium	115		1.0	0.32	mg/L		10/10/17 09:05	10/11/17 03:14	1
Thallium	ND		0.020	0.010	mg/L		10/10/17 09:05	10/11/17 03:14	1
Vanadium	0.0017	J	0.0050	0.0015	mg/L		10/10/17 09:05	10/11/17 03:14	1
Zinc	0.043		0.010	0.0015	mg/L		10/10/17 09:05	10/11/17 03:14	1

Method: 7470A_ASP - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		10/10/17 12:20	10/10/17 16:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.033		0.010	0.0050	mg/L		10/12/17 15:45	10/13/17 11:13	1

Client Sample ID: S-3

Lab Sample ID: 480-125448-2

Date Collected: 10/04/17 14:00

Matrix: Water

Date Received: 10/06/17 13:50

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.0	1.6	ug/L			10/14/17 15:15	2
1,1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			10/14/17 15:15	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			10/14/17 15:15	2
1,1-Dichloroethane	2.2		2.0	0.76	ug/L			10/14/17 15:15	2

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-125448-1

Client Sample ID: S-3

Lab Sample ID: 480-125448-2

Date Collected: 10/04/17 14:00

Matrix: Water

Date Received: 10/06/17 13:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		2.0	0.58	ug/L			10/14/17 15:15	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			10/14/17 15:15	2
1,2-Dichloroethene, Total	2.0	J	4.0	1.6	ug/L			10/14/17 15:15	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			10/14/17 15:15	2
2-Butanone (MEK)	ND		20	2.6	ug/L			10/14/17 15:15	2
2-Hexanone	ND		10	2.5	ug/L			10/14/17 15:15	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			10/14/17 15:15	2
Acetone	ND		20	6.0	ug/L			10/14/17 15:15	2
Benzene	ND		2.0	0.82	ug/L			10/14/17 15:15	2
Bromoform	ND		2.0	0.52	ug/L			10/14/17 15:15	2
Bromomethane	ND		2.0	1.4	ug/L			10/14/17 15:15	2
Carbon disulfide	ND		2.0	0.38	ug/L			10/14/17 15:15	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			10/14/17 15:15	2
Chlorobenzene	ND		2.0	1.5	ug/L			10/14/17 15:15	2
Dibromochloromethane	ND		2.0	0.64	ug/L			10/14/17 15:15	2
Chloroethane	ND		2.0	0.64	ug/L			10/14/17 15:15	2
Chloroform	ND		2.0	0.68	ug/L			10/14/17 15:15	2
Chloromethane	ND		2.0	0.70	ug/L			10/14/17 15:15	2
Bromodichloromethane	ND		2.0	0.78	ug/L			10/14/17 15:15	2
Ethylbenzene	ND		2.0	1.5	ug/L			10/14/17 15:15	2
Methylene Chloride	1.4	J	2.0	0.88	ug/L			10/14/17 15:15	2
Tetrachloroethene	ND		2.0	0.72	ug/L			10/14/17 15:15	2
Toluene	ND		2.0	1.0	ug/L			10/14/17 15:15	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			10/14/17 15:15	2
Trichloroethene	ND		2.0	0.92	ug/L			10/14/17 15:15	2
Vinyl chloride	ND		2.0	1.8	ug/L			10/14/17 15:15	2
Xylenes, Total	1.4	J	4.0	1.3	ug/L			10/14/17 15:15	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			10/14/17 15:15	2
Styrene	ND		2.0	1.5	ug/L			10/14/17 15:15	2
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		77 - 120					10/14/17 15:15	2
4-Bromofluorobenzene (Surr)	101		73 - 120					10/14/17 15:15	2
Toluene-d8 (Surr)	98		80 - 120					10/14/17 15:15	2
Dibromofluoromethane (Surr)	99		75 - 123					10/14/17 15:15	2

Method: 8270D - 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		10/10/17 07:45	10/12/17 00:23	1
2,4,5-Trichlorophenol	1.4	J	5.0	0.48	ug/L		10/10/17 07:45	10/12/17 00:23	1
1,2-Dichlorobenzene	ND		10	0.40	ug/L		10/10/17 07:45	10/12/17 00:23	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		10/10/17 07:45	10/12/17 00:23	1
1,3-Dichlorobenzene	ND		10	0.48	ug/L		10/10/17 07:45	10/12/17 00:23	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		10/10/17 07:45	10/12/17 00:23	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		10/10/17 07:45	10/12/17 00:23	1
1,4-Dichlorobenzene	ND		10	0.46	ug/L		10/10/17 07:45	10/12/17 00:23	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		10/10/17 07:45	10/12/17 00:23	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		10/10/17 07:45	10/12/17 00:23	1
2-Chlorophenol	ND		5.0	0.53	ug/L		10/10/17 07:45	10/12/17 00:23	1
2-Methylphenol	36		5.0	0.40	ug/L		10/10/17 07:45	10/12/17 00:23	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-125448-1

Client Sample ID: S-3

Lab Sample ID: 480-125448-2

Date Collected: 10/04/17 14:00

Matrix: Water

Date Received: 10/06/17 13:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		10	0.42	ug/L		10/10/17 07:45	10/12/17 00:23	1
3,3'-Dichlorobenzidine	ND	*	5.0	0.40	ug/L		10/10/17 07:45	10/12/17 00:23	1
3-Nitroaniline	ND	*	10	0.48	ug/L		10/10/17 07:45	10/12/17 00:23	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		10/10/17 07:45	10/12/17 00:23	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		10/10/17 07:45	10/12/17 00:23	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		10/10/17 07:45	10/12/17 00:23	1
4-Nitroaniline	ND	*	10	0.25	ug/L		10/10/17 07:45	10/12/17 00:23	1
4-Nitrophenol	ND		10	1.5	ug/L		10/10/17 07:45	10/12/17 00:23	1
Acenaphthene	0.84	J	5.0	0.41	ug/L		10/10/17 07:45	10/12/17 00:23	1
Acenaphthylene	0.48	J	5.0	0.38	ug/L		10/10/17 07:45	10/12/17 00:23	1
Anthracene	ND		5.0	0.28	ug/L		10/10/17 07:45	10/12/17 00:23	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		10/10/17 07:45	10/12/17 00:23	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		10/10/17 07:45	10/12/17 00:23	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		10/10/17 07:45	10/12/17 00:23	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		10/10/17 07:45	10/12/17 00:23	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		10/10/17 07:45	10/12/17 00:23	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		10/10/17 07:45	10/12/17 00:23	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		10/10/17 07:45	10/12/17 00:23	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		10/10/17 07:45	10/12/17 00:23	1
Carbazole	ND	*	5.0	0.30	ug/L		10/10/17 07:45	10/12/17 00:23	1
Chrysene	ND		5.0	0.33	ug/L		10/10/17 07:45	10/12/17 00:23	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		10/10/17 07:45	10/12/17 00:23	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		10/10/17 07:45	10/12/17 00:23	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		10/10/17 07:45	10/12/17 00:23	1
Dibenzofuran	ND		10	0.51	ug/L		10/10/17 07:45	10/12/17 00:23	1
Diethyl phthalate	ND		5.0	0.22	ug/L		10/10/17 07:45	10/12/17 00:23	1
Dimethyl phthalate	ND	*	5.0	0.36	ug/L		10/10/17 07:45	10/12/17 00:23	1
Fluoranthene	ND		5.0	0.40	ug/L		10/10/17 07:45	10/12/17 00:23	1
Fluorene	0.67	J	5.0	0.36	ug/L		10/10/17 07:45	10/12/17 00:23	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		10/10/17 07:45	10/12/17 00:23	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		10/10/17 07:45	10/12/17 00:23	1
Hexachloroethane	ND		5.0	0.59	ug/L		10/10/17 07:45	10/12/17 00:23	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		10/10/17 07:45	10/12/17 00:23	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		10/10/17 07:45	10/12/17 00:23	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		10/10/17 07:45	10/12/17 00:23	1
Pentachlorophenol	ND		10	2.2	ug/L		10/10/17 07:45	10/12/17 00:23	1
Phenanthrene	0.78	J	5.0	0.44	ug/L		10/10/17 07:45	10/12/17 00:23	1
Phenol	ND		5.0	0.39	ug/L		10/10/17 07:45	10/12/17 00:23	1
Pyrene	ND		5.0	0.34	ug/L		10/10/17 07:45	10/12/17 00:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	99		41 - 120	10/10/17 07:45	10/12/17 00:23	1
2-Fluorobiphenyl	92		48 - 120	10/10/17 07:45	10/12/17 00:23	1
2-Fluorophenol	69		35 - 120	10/10/17 07:45	10/12/17 00:23	1
Nitrobenzene-d5	25	X *	46 - 120	10/10/17 07:45	10/12/17 00:23	1
p-Terphenyl-d14	96		59 - 136	10/10/17 07:45	10/12/17 00:23	1
Phenol-d5	51		22 - 120	10/10/17 07:45	10/12/17 00:23	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-125448-1

Client Sample ID: S-3

Lab Sample ID: 480-125448-2

Date Collected: 10/04/17 14:00

Matrix: Water

Date Received: 10/06/17 13:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		50	2.2	ug/L		10/10/17 07:45	10/12/17 11:33	5
2,4-Dichlorophenol	ND		25	2.6	ug/L		10/10/17 07:45	10/12/17 11:33	5
2,4-Dimethylphenol	58		25	2.5	ug/L		10/10/17 07:45	10/12/17 11:33	5
2-Methylnaphthalene	ND		25	3.0	ug/L		10/10/17 07:45	10/12/17 11:33	5
2-Nitrophenol	ND		25	2.4	ug/L		10/10/17 07:45	10/12/17 11:33	5
4-Chloro-3-methylphenol	ND		25	2.3	ug/L		10/10/17 07:45	10/12/17 11:33	5
4-Chloroaniline	ND		25	3.0	ug/L		10/10/17 07:45	10/12/17 11:33	5
4-Methylphenol	74		50	1.8	ug/L		10/10/17 07:45	10/12/17 11:33	5
Bis(2-chloroethoxy)methane	ND		25	1.8	ug/L		10/10/17 07:45	10/12/17 11:33	5
Hexachlorobutadiene	ND		25	3.4	ug/L		10/10/17 07:45	10/12/17 11:33	5
Isophorone	ND		25	2.2	ug/L		10/10/17 07:45	10/12/17 11:33	5
Naphthalene	4.9 J		25	3.8	ug/L		10/10/17 07:45	10/12/17 11:33	5
Nitrobenzene	ND		25	1.5	ug/L		10/10/17 07:45	10/12/17 11:33	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	100		41 - 120	10/10/17 07:45	10/12/17 11:33	5
2-Fluorobiphenyl	96		48 - 120	10/10/17 07:45	10/12/17 11:33	5
2-Fluorophenol	66		35 - 120	10/10/17 07:45	10/12/17 11:33	5
Nitrobenzene-d5	63		46 - 120	10/10/17 07:45	10/12/17 11:33	5
p-Terphenyl-d14	88		59 - 136	10/10/17 07:45	10/12/17 11:33	5
Phenol-d5	50		22 - 120	10/10/17 07:45	10/12/17 11:33	5

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.050	0.0092	ug/L		10/09/17 15:41	10/10/17 14:07	1
4,4'-DDE	ND		0.050	0.012	ug/L		10/09/17 15:41	10/10/17 14:07	1
4,4'-DDT	ND		0.050	0.011	ug/L		10/09/17 15:41	10/10/17 14:07	1
Aldrin	ND		0.050	0.0081	ug/L		10/09/17 15:41	10/10/17 14:07	1
alpha-BHC	ND		0.050	0.0077	ug/L		10/09/17 15:41	10/10/17 14:07	1
alpha-Chlordane	ND		0.050	0.015	ug/L		10/09/17 15:41	10/10/17 14:07	1
beta-BHC	ND		0.050	0.025	ug/L		10/09/17 15:41	10/10/17 14:07	1
delta-BHC	ND		0.050	0.010	ug/L		10/09/17 15:41	10/10/17 14:07	1
Dieldrin	ND		0.050	0.0098	ug/L		10/09/17 15:41	10/10/17 14:07	1
Endosulfan I	ND		0.050	0.011	ug/L		10/09/17 15:41	10/10/17 14:07	1
Endosulfan II	ND		0.050	0.012	ug/L		10/09/17 15:41	10/10/17 14:07	1
Endosulfan sulfate	ND		0.050	0.016	ug/L		10/09/17 15:41	10/10/17 14:07	1
Endrin	ND		0.050	0.014	ug/L		10/09/17 15:41	10/10/17 14:07	1
Endrin aldehyde	ND		0.050	0.016	ug/L		10/09/17 15:41	10/10/17 14:07	1
Endrin ketone	ND		0.050	0.012	ug/L		10/09/17 15:41	10/10/17 14:07	1
gamma-BHC (Lindane)	ND		0.050	0.0080	ug/L		10/09/17 15:41	10/10/17 14:07	1
gamma-Chlordane	ND		0.050	0.011	ug/L		10/09/17 15:41	10/10/17 14:07	1
Heptachlor	ND		0.050	0.0085	ug/L		10/09/17 15:41	10/10/17 14:07	1
Heptachlor epoxide	ND		0.050	0.0074	ug/L		10/09/17 15:41	10/10/17 14:07	1
Methoxychlor	ND		0.050	0.014	ug/L		10/09/17 15:41	10/10/17 14:07	1
Toxaphene	ND		0.50	0.12	ug/L		10/09/17 15:41	10/10/17 14:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	63		20 - 120	10/09/17 15:41	10/10/17 14:07	1
Tetrachloro-m-xylene	84		44 - 120	10/09/17 15:41	10/10/17 14:07	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-125448-1

Client Sample ID: S-3

Lab Sample ID: 480-125448-2

Date Collected: 10/04/17 14:00

Matrix: Water

Date Received: 10/06/17 13:50

Method: 8082A - 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		10/10/17 14:43	10/11/17 15:51	1
PCB-1221	ND		0.50	0.18	ug/L		10/10/17 14:43	10/11/17 15:51	1
PCB-1232	ND		0.50	0.18	ug/L		10/10/17 14:43	10/11/17 15:51	1
PCB-1242	0.46	J	0.50	0.18	ug/L		10/10/17 14:43	10/11/17 15:51	1
PCB-1248	ND		0.50	0.18	ug/L		10/10/17 14:43	10/11/17 15:51	1
PCB-1254	ND		0.50	0.25	ug/L		10/10/17 14:43	10/11/17 15:51	1
PCB-1260	ND		0.50	0.25	ug/L		10/10/17 14:43	10/11/17 15:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	43		19 - 120	10/10/17 14:43	10/11/17 15:51	1
Tetrachloro-m-xylene	75		39 - 121	10/10/17 14:43	10/11/17 15:51	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.40		0.20	0.060	mg/L		10/10/17 09:05	10/11/17 03:17	1
Antimony	ND		0.020	0.0068	mg/L		10/10/17 09:05	10/11/17 03:17	1
Arsenic	ND		0.010	0.0056	mg/L		10/10/17 09:05	10/11/17 03:17	1
Barium	0.044		0.0020	0.00070	mg/L		10/10/17 09:05	10/11/17 03:17	1
Beryllium	ND		0.0020	0.00030	mg/L		10/10/17 09:05	10/11/17 03:17	1
Cadmium	ND		0.0010	0.00050	mg/L		10/10/17 09:05	10/11/17 03:17	1
Calcium	74.5		0.50	0.10	mg/L		10/10/17 09:05	10/11/17 03:17	1
Chromium	ND		0.0040	0.0010	mg/L		10/10/17 09:05	10/11/17 03:17	1
Cobalt	ND		0.0040	0.00063	mg/L		10/10/17 09:05	10/11/17 03:17	1
Copper	ND		0.010	0.0016	mg/L		10/10/17 09:05	10/11/17 03:17	1
Iron	0.032	J	0.050	0.019	mg/L		10/10/17 09:05	10/11/17 03:17	1
Lead	0.0033	J	0.0050	0.0030	mg/L		10/10/17 09:05	10/11/17 03:17	1
Magnesium	0.081	J	0.20	0.043	mg/L		10/10/17 09:05	10/11/17 03:17	1
Manganese	ND		0.0030	0.00040	mg/L		10/10/17 09:05	10/11/17 03:17	1
Nickel	0.0013	J	0.010	0.0013	mg/L		10/10/17 09:05	10/11/17 03:17	1
Potassium	59.5		0.50	0.10	mg/L		10/10/17 09:05	10/11/17 03:17	1
Selenium	ND		0.015	0.0087	mg/L		10/10/17 09:05	10/11/17 03:17	1
Silver	ND		0.0030	0.0017	mg/L		10/10/17 09:05	10/11/17 03:17	1
Sodium	112		1.0	0.32	mg/L		10/10/17 09:05	10/11/17 03:17	1
Thallium	ND		0.020	0.010	mg/L		10/10/17 09:05	10/11/17 03:17	1
Vanadium	0.0072		0.0050	0.0015	mg/L		10/10/17 09:05	10/11/17 03:17	1
Zinc	0.0018	J	0.010	0.0015	mg/L		10/10/17 09:05	10/11/17 03:17	1

Method: 7470A_ASP - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		10/10/17 12:20	10/10/17 16:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.030		0.010	0.0050	mg/L		10/12/17 15:45	10/13/17 11:15	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-125448-1

Client Sample ID: MW-4

Lab Sample ID: 480-125448-3

Date Collected: 10/05/17 11:30

Matrix: Water

Date Received: 10/06/17 13:50

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	F1	1.0	0.82	ug/L			10/14/17 11:59	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/14/17 11:59	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/14/17 11:59	1
1,1-Dichloroethane	ND	F1	1.0	0.38	ug/L			10/14/17 11:59	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/14/17 11:59	1
1,2-Dichloroethane	ND	F1	1.0	0.21	ug/L			10/14/17 11:59	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/14/17 11:59	1
1,2-Dichloropropane	ND	F1	1.0	0.72	ug/L			10/14/17 11:59	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/14/17 11:59	1
2-Hexanone	ND	F1	5.0	1.2	ug/L			10/14/17 11:59	1
4-Methyl-2-pentanone (MIBK)	ND	F1	5.0	2.1	ug/L			10/14/17 11:59	1
Acetone	4.9	J	10	3.0	ug/L			10/14/17 11:59	1
Benzene	ND		1.0	0.41	ug/L			10/14/17 11:59	1
Bromoform	ND		1.0	0.26	ug/L			10/14/17 11:59	1
Bromomethane	ND		1.0	0.69	ug/L			10/14/17 11:59	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/14/17 11:59	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/14/17 11:59	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/14/17 11:59	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/14/17 11:59	1
Chloroethane	ND		1.0	0.32	ug/L			10/14/17 11:59	1
Chloroform	ND		1.0	0.34	ug/L			10/14/17 11:59	1
Chloromethane	ND		1.0	0.35	ug/L			10/14/17 11:59	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/14/17 11:59	1
Ethylbenzene	ND	F1	1.0	0.74	ug/L			10/14/17 11:59	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/14/17 11:59	1
Tetrachloroethene	ND	F1	1.0	0.36	ug/L			10/14/17 11:59	1
Toluene	ND		1.0	0.51	ug/L			10/14/17 11:59	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/14/17 11:59	1
Trichloroethene	ND		1.0	0.46	ug/L			10/14/17 11:59	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/14/17 11:59	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/14/17 11:59	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/14/17 11:59	1
Styrene	ND		1.0	0.73	ug/L			10/14/17 11:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	113		77 - 120		10/14/17 11:59	1
4-Bromofluorobenzene (Surr)	100		73 - 120		10/14/17 11:59	1
Toluene-d8 (Surr)	104		80 - 120		10/14/17 11:59	1
Dibromofluoromethane (Surr)	98		75 - 123		10/14/17 11:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
bis (2-chloroisopropyl) ether	ND		5.4	0.57	ug/L		10/10/17 07:45	10/11/17 23:25	1
1,2,4-Trichlorobenzene	ND		11	0.48	ug/L		10/10/17 07:45	10/11/17 23:25	1
2,4,5-Trichlorophenol	ND		5.4	0.52	ug/L		10/10/17 07:45	10/11/17 23:25	1
1,2-Dichlorobenzene	ND		11	0.43	ug/L		10/10/17 07:45	10/11/17 23:25	1
2,4,6-Trichlorophenol	ND		5.4	0.66	ug/L		10/10/17 07:45	10/11/17 23:25	1
2,4-Dichlorophenol	ND		5.4	0.55	ug/L		10/10/17 07:45	10/11/17 23:25	1
2,4-Dimethylphenol	ND		5.4	0.54	ug/L		10/10/17 07:45	10/11/17 23:25	1
1,3-Dichlorobenzene	ND		11	0.52	ug/L		10/10/17 07:45	10/11/17 23:25	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-125448-1

Client Sample ID: MW-4

Lab Sample ID: 480-125448-3

Date Collected: 10/05/17 11:30

Matrix: Water

Date Received: 10/06/17 13:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrophenol	ND		11	2.4	ug/L		10/10/17 07:45	10/11/17 23:25	1
2,4-Dinitrotoluene	ND		5.4	0.49	ug/L		10/10/17 07:45	10/11/17 23:25	1
1,4-Dichlorobenzene	ND		11	0.50	ug/L		10/10/17 07:45	10/11/17 23:25	1
2,6-Dinitrotoluene	ND		5.4	0.43	ug/L		10/10/17 07:45	10/11/17 23:25	1
2-Chloronaphthalene	ND		5.4	0.50	ug/L		10/10/17 07:45	10/11/17 23:25	1
2-Chlorophenol	ND		5.4	0.58	ug/L		10/10/17 07:45	10/11/17 23:25	1
2-Methylnaphthalene	ND		5.4	0.65	ug/L		10/10/17 07:45	10/11/17 23:25	1
2-Methylphenol	ND		5.4	0.43	ug/L		10/10/17 07:45	10/11/17 23:25	1
2-Nitroaniline	ND		11	0.46	ug/L		10/10/17 07:45	10/11/17 23:25	1
2-Nitrophenol	ND		5.4	0.52	ug/L		10/10/17 07:45	10/11/17 23:25	1
3,3'-Dichlorobenzidine	ND	F2 *	5.4	0.43	ug/L		10/10/17 07:45	10/11/17 23:25	1
3-Nitroaniline	ND	*	11	0.52	ug/L		10/10/17 07:45	10/11/17 23:25	1
4,6-Dinitro-2-methylphenol	ND		11	2.4	ug/L		10/10/17 07:45	10/11/17 23:25	1
4-Bromophenyl phenyl ether	ND		5.4	0.49	ug/L		10/10/17 07:45	10/11/17 23:25	1
4-Chloro-3-methylphenol	ND		5.4	0.49	ug/L		10/10/17 07:45	10/11/17 23:25	1
4-Chloroaniline	ND		5.4	0.64	ug/L		10/10/17 07:45	10/11/17 23:25	1
4-Chlorophenyl phenyl ether	ND		5.4	0.38	ug/L		10/10/17 07:45	10/11/17 23:25	1
4-Methylphenol	ND		11	0.39	ug/L		10/10/17 07:45	10/11/17 23:25	1
4-Nitroaniline	ND	*	11	0.27	ug/L		10/10/17 07:45	10/11/17 23:25	1
4-Nitrophenol	ND		11	1.7	ug/L		10/10/17 07:45	10/11/17 23:25	1
Acenaphthene	ND		5.4	0.45	ug/L		10/10/17 07:45	10/11/17 23:25	1
Acenaphthylene	ND		5.4	0.41	ug/L		10/10/17 07:45	10/11/17 23:25	1
Anthracene	ND		5.4	0.30	ug/L		10/10/17 07:45	10/11/17 23:25	1
Benzo[a]anthracene	ND	F2	5.4	0.39	ug/L		10/10/17 07:45	10/11/17 23:25	1
Benzo[a]pyrene	ND	F2	5.4	0.51	ug/L		10/10/17 07:45	10/11/17 23:25	1
Benzo[b]fluoranthene	ND	F2	5.4	0.37	ug/L		10/10/17 07:45	10/11/17 23:25	1
Benzo[g,h,i]perylene	ND	F2	5.4	0.38	ug/L		10/10/17 07:45	10/11/17 23:25	1
Benzo[k]fluoranthene	ND	F2	5.4	0.79	ug/L		10/10/17 07:45	10/11/17 23:25	1
Bis(2-chloroethoxy)methane	ND		5.4	0.38	ug/L		10/10/17 07:45	10/11/17 23:25	1
Bis(2-chloroethyl)ether	ND		5.4	0.43	ug/L		10/10/17 07:45	10/11/17 23:25	1
Bis(2-ethylhexyl) phthalate	ND	F2	5.4	2.4	ug/L		10/10/17 07:45	10/11/17 23:25	1
Butyl benzyl phthalate	ND		5.4	1.1	ug/L		10/10/17 07:45	10/11/17 23:25	1
Carbazole	ND	F1 *	5.4	0.33	ug/L		10/10/17 07:45	10/11/17 23:25	1
Chrysene	ND	F2	5.4	0.36	ug/L		10/10/17 07:45	10/11/17 23:25	1
Di-n-butyl phthalate	0.48	J	5.4	0.34	ug/L		10/10/17 07:45	10/11/17 23:25	1
Di-n-octyl phthalate	ND	F2	5.4	0.51	ug/L		10/10/17 07:45	10/11/17 23:25	1
Dibenz(a,h)anthracene	ND	F2	5.4	0.46	ug/L		10/10/17 07:45	10/11/17 23:25	1
Dibenzofuran	ND		11	0.55	ug/L		10/10/17 07:45	10/11/17 23:25	1
Diethyl phthalate	ND		5.4	0.24	ug/L		10/10/17 07:45	10/11/17 23:25	1
Dimethyl phthalate	ND	F1 *	5.4	0.39	ug/L		10/10/17 07:45	10/11/17 23:25	1
Fluoranthene	ND		5.4	0.43	ug/L		10/10/17 07:45	10/11/17 23:25	1
Fluorene	ND		5.4	0.39	ug/L		10/10/17 07:45	10/11/17 23:25	1
Hexachlorobenzene	ND	F2	5.4	0.55	ug/L		10/10/17 07:45	10/11/17 23:25	1
Hexachlorobutadiene	ND		5.4	0.74	ug/L		10/10/17 07:45	10/11/17 23:25	1
Hexachlorocyclopentadiene	ND		5.4	0.64	ug/L		10/10/17 07:45	10/11/17 23:25	1
Hexachloroethane	ND		5.4	0.64	ug/L		10/10/17 07:45	10/11/17 23:25	1
Indeno[1,2,3-cd]pyrene	ND	F2	5.4	0.51	ug/L		10/10/17 07:45	10/11/17 23:25	1
Isophorone	ND		5.4	0.47	ug/L		10/10/17 07:45	10/11/17 23:25	1
N-Nitrosodi-n-propylamine	ND		5.4	0.59	ug/L		10/10/17 07:45	10/11/17 23:25	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-125448-1

Client Sample ID: MW-4

Lab Sample ID: 480-125448-3

Date Collected: 10/05/17 11:30

Matrix: Water

Date Received: 10/06/17 13:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND	F2	5.4	0.55	ug/L		10/10/17 07:45	10/11/17 23:25	1
Naphthalene	ND		5.4	0.83	ug/L		10/10/17 07:45	10/11/17 23:25	1
Nitrobenzene	ND		5.4	0.32	ug/L		10/10/17 07:45	10/11/17 23:25	1
Pentachlorophenol	ND		11	2.4	ug/L		10/10/17 07:45	10/11/17 23:25	1
Phenanthrene	ND		5.4	0.48	ug/L		10/10/17 07:45	10/11/17 23:25	1
Phenol	ND		5.4	0.42	ug/L		10/10/17 07:45	10/11/17 23:25	1
Pyrene	ND		5.4	0.37	ug/L		10/10/17 07:45	10/11/17 23:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	91		41 - 120	10/10/17 07:45	10/11/17 23:25	1
2-Fluorobiphenyl	105		48 - 120	10/10/17 07:45	10/11/17 23:25	1
2-Fluorophenol	70		35 - 120	10/10/17 07:45	10/11/17 23:25	1
Nitrobenzene-d5	104		46 - 120	10/10/17 07:45	10/11/17 23:25	1
p-Terphenyl-d14	90		59 - 136	10/10/17 07:45	10/11/17 23:25	1
Phenol-d5	54		22 - 120	10/10/17 07:45	10/11/17 23:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.56	0.20	ug/L		10/10/17 14:43	10/11/17 15:04	1
PCB-1221	ND		0.56	0.20	ug/L		10/10/17 14:43	10/11/17 15:04	1
PCB-1232	ND		0.56	0.20	ug/L		10/10/17 14:43	10/11/17 15:04	1
PCB-1242	ND		0.56	0.20	ug/L		10/10/17 14:43	10/11/17 15:04	1
PCB-1248	ND		0.56	0.20	ug/L		10/10/17 14:43	10/11/17 15:04	1
PCB-1254	ND		0.56	0.28	ug/L		10/10/17 14:43	10/11/17 15:04	1
PCB-1260	ND		0.56	0.28	ug/L		10/10/17 14:43	10/11/17 15:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	39		19 - 120	10/10/17 14:43	10/11/17 15:04	1
Tetrachloro-m-xylene	64		39 - 121	10/10/17 14:43	10/11/17 15:04	1

Client Sample ID: MW-5

Lab Sample ID: 480-125448-4

Date Collected: 10/05/17 12:00

Matrix: Water

Date Received: 10/06/17 13:50

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.0	3.3	ug/L			10/14/17 12:26	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			10/14/17 12:26	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			10/14/17 12:26	4
1,1-Dichloroethane	ND		4.0	1.5	ug/L			10/14/17 12:26	4
1,1-Dichloroethene	ND		4.0	1.2	ug/L			10/14/17 12:26	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			10/14/17 12:26	4
1,2-Dichloroethene, Total	ND		8.0	3.2	ug/L			10/14/17 12:26	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			10/14/17 12:26	4
2-Butanone (MEK)	ND		40	5.3	ug/L			10/14/17 12:26	4
2-Hexanone	ND		20	5.0	ug/L			10/14/17 12:26	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			10/14/17 12:26	4
Acetone	17	J	40	12	ug/L			10/14/17 12:26	4
Benzene	19		4.0	1.6	ug/L			10/14/17 12:26	4
Bromoform	ND		4.0	1.0	ug/L			10/14/17 12:26	4

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-125448-1

Client Sample ID: MW-5

Lab Sample ID: 480-125448-4

Date Collected: 10/05/17 12:00

Matrix: Water

Date Received: 10/06/17 13:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	ND		4.0	2.8	ug/L			10/14/17 12:26	4
Carbon disulfide	ND		4.0	0.76	ug/L			10/14/17 12:26	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			10/14/17 12:26	4
Chlorobenzene	ND		4.0	3.0	ug/L			10/14/17 12:26	4
Dibromochloromethane	ND		4.0	1.3	ug/L			10/14/17 12:26	4
Chloroethane	ND		4.0	1.3	ug/L			10/14/17 12:26	4
Chloroform	ND		4.0	1.4	ug/L			10/14/17 12:26	4
Chloromethane	ND		4.0	1.4	ug/L			10/14/17 12:26	4
Bromodichloromethane	ND		4.0	1.6	ug/L			10/14/17 12:26	4
Ethylbenzene	ND		4.0	3.0	ug/L			10/14/17 12:26	4
Methylene Chloride	3.3	J	4.0	1.8	ug/L			10/14/17 12:26	4
Tetrachloroethene	ND		4.0	1.4	ug/L			10/14/17 12:26	4
Toluene	ND		4.0	2.0	ug/L			10/14/17 12:26	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			10/14/17 12:26	4
Trichloroethene	ND		4.0	1.8	ug/L			10/14/17 12:26	4
Vinyl chloride	ND		4.0	3.6	ug/L			10/14/17 12:26	4
Xylenes, Total	ND		8.0	2.6	ug/L			10/14/17 12:26	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			10/14/17 12:26	4
Styrene	ND		4.0	2.9	ug/L			10/14/17 12:26	4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	115		77 - 120		10/14/17 12:26	4
4-Bromofluorobenzene (Surr)	99		73 - 120		10/14/17 12:26	4
Toluene-d8 (Surr)	103		80 - 120		10/14/17 12:26	4
Dibromofluoromethane (Surr)	98		75 - 123		10/14/17 12:26	4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
bis (2-chloroisopropyl) ether	ND		5.4	0.57	ug/L		10/10/17 07:45	10/12/17 00:52	1
1,2,4-Trichlorobenzene	ND		11	0.48	ug/L		10/10/17 07:45	10/12/17 00:52	1
2,4,5-Trichlorophenol	ND		5.4	0.52	ug/L		10/10/17 07:45	10/12/17 00:52	1
1,2-Dichlorobenzene	ND		11	0.43	ug/L		10/10/17 07:45	10/12/17 00:52	1
2,4,6-Trichlorophenol	ND		5.4	0.66	ug/L		10/10/17 07:45	10/12/17 00:52	1
2,4-Dichlorophenol	ND		5.4	0.55	ug/L		10/10/17 07:45	10/12/17 00:52	1
2,4-Dimethylphenol	ND		5.4	0.54	ug/L		10/10/17 07:45	10/12/17 00:52	1
1,3-Dichlorobenzene	ND		11	0.52	ug/L		10/10/17 07:45	10/12/17 00:52	1
2,4-Dinitrophenol	ND		11	2.4	ug/L		10/10/17 07:45	10/12/17 00:52	1
2,4-Dinitrotoluene	ND		5.4	0.49	ug/L		10/10/17 07:45	10/12/17 00:52	1
1,4-Dichlorobenzene	ND		11	0.50	ug/L		10/10/17 07:45	10/12/17 00:52	1
2,6-Dinitrotoluene	ND		5.4	0.43	ug/L		10/10/17 07:45	10/12/17 00:52	1
2-Chloronaphthalene	ND		5.4	0.50	ug/L		10/10/17 07:45	10/12/17 00:52	1
2-Chlorophenol	ND		5.4	0.58	ug/L		10/10/17 07:45	10/12/17 00:52	1
2-Methylnaphthalene	ND		5.4	0.65	ug/L		10/10/17 07:45	10/12/17 00:52	1
2-Methylphenol	ND		5.4	0.43	ug/L		10/10/17 07:45	10/12/17 00:52	1
2-Nitroaniline	ND		11	0.46	ug/L		10/10/17 07:45	10/12/17 00:52	1
2-Nitrophenol	ND		5.4	0.52	ug/L		10/10/17 07:45	10/12/17 00:52	1
3,3'-Dichlorobenzidine	ND	*	5.4	0.43	ug/L		10/10/17 07:45	10/12/17 00:52	1
3-Nitroaniline	ND	*	11	0.52	ug/L		10/10/17 07:45	10/12/17 00:52	1
4,6-Dinitro-2-methylphenol	ND		11	2.4	ug/L		10/10/17 07:45	10/12/17 00:52	1
4-Bromophenyl phenyl ether	ND		5.4	0.49	ug/L		10/10/17 07:45	10/12/17 00:52	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-125448-1

Client Sample ID: MW-5

Lab Sample ID: 480-125448-4

Date Collected: 10/05/17 12:00

Matrix: Water

Date Received: 10/06/17 13:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chloro-3-methylphenol	ND		5.4	0.49	ug/L		10/10/17 07:45	10/12/17 00:52	1
4-Chloroaniline	ND		5.4	0.64	ug/L		10/10/17 07:45	10/12/17 00:52	1
4-Chlorophenyl phenyl ether	ND		5.4	0.38	ug/L		10/10/17 07:45	10/12/17 00:52	1
4-Methylphenol	ND		11	0.39	ug/L		10/10/17 07:45	10/12/17 00:52	1
4-Nitroaniline	ND	*	11	0.27	ug/L		10/10/17 07:45	10/12/17 00:52	1
4-Nitrophenol	ND		11	1.7	ug/L		10/10/17 07:45	10/12/17 00:52	1
Acenaphthene	ND		5.4	0.45	ug/L		10/10/17 07:45	10/12/17 00:52	1
Acenaphthylene	ND		5.4	0.41	ug/L		10/10/17 07:45	10/12/17 00:52	1
Anthracene	ND		5.4	0.30	ug/L		10/10/17 07:45	10/12/17 00:52	1
Benzo[a]anthracene	ND		5.4	0.39	ug/L		10/10/17 07:45	10/12/17 00:52	1
Benzo[a]pyrene	ND		5.4	0.51	ug/L		10/10/17 07:45	10/12/17 00:52	1
Benzo[b]fluoranthene	ND		5.4	0.37	ug/L		10/10/17 07:45	10/12/17 00:52	1
Benzo[g,h,i]perylene	ND		5.4	0.38	ug/L		10/10/17 07:45	10/12/17 00:52	1
Benzo[k]fluoranthene	ND		5.4	0.79	ug/L		10/10/17 07:45	10/12/17 00:52	1
Bis(2-chloroethoxy)methane	ND		5.4	0.38	ug/L		10/10/17 07:45	10/12/17 00:52	1
Bis(2-chloroethyl)ether	ND		5.4	0.43	ug/L		10/10/17 07:45	10/12/17 00:52	1
Bis(2-ethylhexyl) phthalate	ND		5.4	2.4	ug/L		10/10/17 07:45	10/12/17 00:52	1
Butyl benzyl phthalate	ND		5.4	1.1	ug/L		10/10/17 07:45	10/12/17 00:52	1
Carbazole	ND	*	5.4	0.33	ug/L		10/10/17 07:45	10/12/17 00:52	1
Chrysene	ND		5.4	0.36	ug/L		10/10/17 07:45	10/12/17 00:52	1
Di-n-butyl phthalate	0.46	J	5.4	0.34	ug/L		10/10/17 07:45	10/12/17 00:52	1
Di-n-octyl phthalate	ND		5.4	0.51	ug/L		10/10/17 07:45	10/12/17 00:52	1
Dibenz(a,h)anthracene	ND		5.4	0.46	ug/L		10/10/17 07:45	10/12/17 00:52	1
Dibenzofuran	ND		11	0.55	ug/L		10/10/17 07:45	10/12/17 00:52	1
Diethyl phthalate	ND		5.4	0.24	ug/L		10/10/17 07:45	10/12/17 00:52	1
Dimethyl phthalate	ND	*	5.4	0.39	ug/L		10/10/17 07:45	10/12/17 00:52	1
Fluoranthene	ND		5.4	0.43	ug/L		10/10/17 07:45	10/12/17 00:52	1
Fluorene	ND		5.4	0.39	ug/L		10/10/17 07:45	10/12/17 00:52	1
Hexachlorobenzene	ND		5.4	0.55	ug/L		10/10/17 07:45	10/12/17 00:52	1
Hexachlorobutadiene	ND		5.4	0.74	ug/L		10/10/17 07:45	10/12/17 00:52	1
Hexachlorocyclopentadiene	ND		5.4	0.64	ug/L		10/10/17 07:45	10/12/17 00:52	1
Hexachloroethane	ND		5.4	0.64	ug/L		10/10/17 07:45	10/12/17 00:52	1
Indeno[1,2,3-cd]pyrene	ND		5.4	0.51	ug/L		10/10/17 07:45	10/12/17 00:52	1
Isophorone	ND		5.4	0.47	ug/L		10/10/17 07:45	10/12/17 00:52	1
N-Nitrosodi-n-propylamine	ND		5.4	0.59	ug/L		10/10/17 07:45	10/12/17 00:52	1
N-Nitrosodiphenylamine	ND		5.4	0.55	ug/L		10/10/17 07:45	10/12/17 00:52	1
Naphthalene	ND		5.4	0.83	ug/L		10/10/17 07:45	10/12/17 00:52	1
Nitrobenzene	ND		5.4	0.32	ug/L		10/10/17 07:45	10/12/17 00:52	1
Pentachlorophenol	ND		11	2.4	ug/L		10/10/17 07:45	10/12/17 00:52	1
Phenanthrene	ND		5.4	0.48	ug/L		10/10/17 07:45	10/12/17 00:52	1
Phenol	ND		5.4	0.42	ug/L		10/10/17 07:45	10/12/17 00:52	1
Pyrene	ND		5.4	0.37	ug/L		10/10/17 07:45	10/12/17 00:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	115		41 - 120				10/10/17 07:45	10/12/17 00:52	1
2-Fluorobiphenyl	100		48 - 120				10/10/17 07:45	10/12/17 00:52	1
2-Fluorophenol	80		35 - 120				10/10/17 07:45	10/12/17 00:52	1
Nitrobenzene-d5	104		46 - 120				10/10/17 07:45	10/12/17 00:52	1
p-Terphenyl-d14	93		59 - 136				10/10/17 07:45	10/12/17 00:52	1
Phenol-d5	60		22 - 120				10/10/17 07:45	10/12/17 00:52	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-125448-1

Method: 8082A - 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		10/10/17 14:43	10/11/17 17:59	1
PCB-1221	ND		0.50	0.18	ug/L		10/10/17 14:43	10/11/17 17:59	1
PCB-1232	ND		0.50	0.18	ug/L		10/10/17 14:43	10/11/17 17:59	1
PCB-1242	ND		0.50	0.18	ug/L		10/10/17 14:43	10/11/17 17:59	1
PCB-1248	ND		0.50	0.18	ug/L		10/10/17 14:43	10/11/17 17:59	1
PCB-1254	ND		0.50	0.25	ug/L		10/10/17 14:43	10/11/17 17:59	1
PCB-1260	ND		0.50	0.25	ug/L		10/10/17 14:43	10/11/17 17:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	51		19 - 120				10/10/17 14:43	10/11/17 17:59	1
Tetrachloro-m-xylene	71		39 - 121				10/10/17 14:43	10/11/17 17:59	1

Client Sample ID: MW-6

Lab Sample ID: 480-125448-5

Date Collected: 10/05/17 12:30

Matrix: Water

Date Received: 10/06/17 13:50

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/14/17 12:53	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/14/17 12:53	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/14/17 12:53	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/14/17 12:53	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/14/17 12:53	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/14/17 12:53	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/14/17 12:53	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/14/17 12:53	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/14/17 12:53	1
2-Hexanone	ND		5.0	1.2	ug/L			10/14/17 12:53	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/14/17 12:53	1
Acetone	6.0	J	10	3.0	ug/L			10/14/17 12:53	1
Benzene	ND		1.0	0.41	ug/L			10/14/17 12:53	1
Bromoform	ND		1.0	0.26	ug/L			10/14/17 12:53	1
Bromomethane	ND		1.0	0.69	ug/L			10/14/17 12:53	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/14/17 12:53	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/14/17 12:53	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/14/17 12:53	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/14/17 12:53	1
Chloroethane	ND		1.0	0.32	ug/L			10/14/17 12:53	1
Chloroform	ND		1.0	0.34	ug/L			10/14/17 12:53	1
Chloromethane	ND		1.0	0.35	ug/L			10/14/17 12:53	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/14/17 12:53	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/14/17 12:53	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/14/17 12:53	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/14/17 12:53	1
Toluene	ND		1.0	0.51	ug/L			10/14/17 12:53	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/14/17 12:53	1
Trichloroethene	ND		1.0	0.46	ug/L			10/14/17 12:53	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/14/17 12:53	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/14/17 12:53	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/14/17 12:53	1
Styrene	ND		1.0	0.73	ug/L			10/14/17 12:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	117		77 - 120					10/14/17 12:53	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-125448-1

Client Sample ID: MW-6

Date Collected: 10/05/17 12:30

Date Received: 10/06/17 13:50

Lab Sample ID: 480-125448-5

Matrix: Water

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		73 - 120		10/14/17 12:53	1
Toluene-d8 (Surr)	104		80 - 120		10/14/17 12:53	1
Dibromofluoromethane (Surr)	101		75 - 123		10/14/17 12:53	1

Method: 8270D - 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		10/10/17 07:45	10/12/17 01:22	1
1,2,4-Trichlorobenzene	ND		10	0.44	ug/L		10/10/17 07:45	10/12/17 01:22	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		10/10/17 07:45	10/12/17 01:22	1
1,2-Dichlorobenzene	ND		10	0.40	ug/L		10/10/17 07:45	10/12/17 01:22	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		10/10/17 07:45	10/12/17 01:22	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		10/10/17 07:45	10/12/17 01:22	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		10/10/17 07:45	10/12/17 01:22	1
1,3-Dichlorobenzene	ND		10	0.48	ug/L		10/10/17 07:45	10/12/17 01:22	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		10/10/17 07:45	10/12/17 01:22	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		10/10/17 07:45	10/12/17 01:22	1
1,4-Dichlorobenzene	ND		10	0.46	ug/L		10/10/17 07:45	10/12/17 01:22	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		10/10/17 07:45	10/12/17 01:22	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		10/10/17 07:45	10/12/17 01:22	1
2-Chlorophenol	ND		5.0	0.53	ug/L		10/10/17 07:45	10/12/17 01:22	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		10/10/17 07:45	10/12/17 01:22	1
2-Methylphenol	ND		5.0	0.40	ug/L		10/10/17 07:45	10/12/17 01:22	1
2-Nitroaniline	ND		10	0.42	ug/L		10/10/17 07:45	10/12/17 01:22	1
2-Nitrophenol	ND		5.0	0.48	ug/L		10/10/17 07:45	10/12/17 01:22	1
3,3'-Dichlorobenzidine	ND *		5.0	0.40	ug/L		10/10/17 07:45	10/12/17 01:22	1
3-Nitroaniline	ND *		10	0.48	ug/L		10/10/17 07:45	10/12/17 01:22	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		10/10/17 07:45	10/12/17 01:22	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		10/10/17 07:45	10/12/17 01:22	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		10/10/17 07:45	10/12/17 01:22	1
4-Chloroaniline	ND		5.0	0.59	ug/L		10/10/17 07:45	10/12/17 01:22	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		10/10/17 07:45	10/12/17 01:22	1
4-Methylphenol	ND		10	0.36	ug/L		10/10/17 07:45	10/12/17 01:22	1
4-Nitroaniline	ND *		10	0.25	ug/L		10/10/17 07:45	10/12/17 01:22	1
4-Nitrophenol	ND		10	1.5	ug/L		10/10/17 07:45	10/12/17 01:22	1
Acenaphthene	ND		5.0	0.41	ug/L		10/10/17 07:45	10/12/17 01:22	1
Acenaphthylene	ND		5.0	0.38	ug/L		10/10/17 07:45	10/12/17 01:22	1
Anthracene	ND		5.0	0.28	ug/L		10/10/17 07:45	10/12/17 01:22	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		10/10/17 07:45	10/12/17 01:22	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		10/10/17 07:45	10/12/17 01:22	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		10/10/17 07:45	10/12/17 01:22	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		10/10/17 07:45	10/12/17 01:22	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		10/10/17 07:45	10/12/17 01:22	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		10/10/17 07:45	10/12/17 01:22	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		10/10/17 07:45	10/12/17 01:22	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		10/10/17 07:45	10/12/17 01:22	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		10/10/17 07:45	10/12/17 01:22	1
Carbazole	ND *		5.0	0.30	ug/L		10/10/17 07:45	10/12/17 01:22	1
Chrysene	ND		5.0	0.33	ug/L		10/10/17 07:45	10/12/17 01:22	1
Di-n-butyl phthalate	0.38 J		5.0	0.31	ug/L		10/10/17 07:45	10/12/17 01:22	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-125448-1

Client Sample ID: MW-6

Lab Sample ID: 480-125448-5

Date Collected: 10/05/17 12:30

Matrix: Water

Date Received: 10/06/17 13:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		10/10/17 07:45	10/12/17 01:22	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		10/10/17 07:45	10/12/17 01:22	1
Dibenzofuran	ND		10	0.51	ug/L		10/10/17 07:45	10/12/17 01:22	1
Diethyl phthalate	ND		5.0	0.22	ug/L		10/10/17 07:45	10/12/17 01:22	1
Dimethyl phthalate	ND *		5.0	0.36	ug/L		10/10/17 07:45	10/12/17 01:22	1
Fluoranthene	ND		5.0	0.40	ug/L		10/10/17 07:45	10/12/17 01:22	1
Fluorene	ND		5.0	0.36	ug/L		10/10/17 07:45	10/12/17 01:22	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		10/10/17 07:45	10/12/17 01:22	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		10/10/17 07:45	10/12/17 01:22	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		10/10/17 07:45	10/12/17 01:22	1
Hexachloroethane	ND		5.0	0.59	ug/L		10/10/17 07:45	10/12/17 01:22	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		10/10/17 07:45	10/12/17 01:22	1
Isophorone	ND		5.0	0.43	ug/L		10/10/17 07:45	10/12/17 01:22	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		10/10/17 07:45	10/12/17 01:22	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		10/10/17 07:45	10/12/17 01:22	1
Naphthalene	ND		5.0	0.76	ug/L		10/10/17 07:45	10/12/17 01:22	1
Nitrobenzene	ND		5.0	0.29	ug/L		10/10/17 07:45	10/12/17 01:22	1
Pentachlorophenol	ND		10	2.2	ug/L		10/10/17 07:45	10/12/17 01:22	1
Phenanthrene	ND		5.0	0.44	ug/L		10/10/17 07:45	10/12/17 01:22	1
Phenol	ND		5.0	0.39	ug/L		10/10/17 07:45	10/12/17 01:22	1
Pyrene	ND		5.0	0.34	ug/L		10/10/17 07:45	10/12/17 01:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	222	X	41 - 120	10/10/17 07:45	10/12/17 01:22	1
2-Fluorobiphenyl	203	X	48 - 120	10/10/17 07:45	10/12/17 01:22	1
2-Fluorophenol	158	X	35 - 120	10/10/17 07:45	10/12/17 01:22	1
Nitrobenzene-d5	215	X	46 - 120	10/10/17 07:45	10/12/17 01:22	1
p-Terphenyl-d14	168	X	59 - 136	10/10/17 07:45	10/12/17 01:22	1
Phenol-d5	124	X	22 - 120	10/10/17 07:45	10/12/17 01:22	1

Method: 8082A - 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		10/10/17 14:43	10/11/17 18:15	1
PCB-1221	ND		0.50	0.18	ug/L		10/10/17 14:43	10/11/17 18:15	1
PCB-1232	ND		0.50	0.18	ug/L		10/10/17 14:43	10/11/17 18:15	1
PCB-1242	ND		0.50	0.18	ug/L		10/10/17 14:43	10/11/17 18:15	1
PCB-1248	ND		0.50	0.18	ug/L		10/10/17 14:43	10/11/17 18:15	1
PCB-1254	ND		0.50	0.25	ug/L		10/10/17 14:43	10/11/17 18:15	1
PCB-1260	ND		0.50	0.25	ug/L		10/10/17 14:43	10/11/17 18:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	53		19 - 120	10/10/17 14:43	10/11/17 18:15	1
Tetrachloro-m-xylene	66		39 - 121	10/10/17 14:43	10/11/17 18:15	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-125448-1

Client Sample ID: DUP

Lab Sample ID: 480-125448-6

Date Collected: 10/05/17 00:00

Matrix: Water

Date Received: 10/06/17 13:50

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.0	3.3	ug/L			10/14/17 13:19	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			10/14/17 13:19	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			10/14/17 13:19	4
1,1-Dichloroethane	ND		4.0	1.5	ug/L			10/14/17 13:19	4
1,1-Dichloroethene	ND		4.0	1.2	ug/L			10/14/17 13:19	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			10/14/17 13:19	4
1,2-Dichloroethene, Total	ND		8.0	3.2	ug/L			10/14/17 13:19	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			10/14/17 13:19	4
2-Butanone (MEK)	ND		40	5.3	ug/L			10/14/17 13:19	4
2-Hexanone	ND		20	5.0	ug/L			10/14/17 13:19	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			10/14/17 13:19	4
Acetone	25	J	40	12	ug/L			10/14/17 13:19	4
Benzene	17		4.0	1.6	ug/L			10/14/17 13:19	4
Bromoform	ND		4.0	1.0	ug/L			10/14/17 13:19	4
Bromomethane	ND		4.0	2.8	ug/L			10/14/17 13:19	4
Carbon disulfide	ND		4.0	0.76	ug/L			10/14/17 13:19	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			10/14/17 13:19	4
Chlorobenzene	ND		4.0	3.0	ug/L			10/14/17 13:19	4
Dibromochloromethane	ND		4.0	1.3	ug/L			10/14/17 13:19	4
Chloroethane	ND		4.0	1.3	ug/L			10/14/17 13:19	4
Chloroform	ND		4.0	1.4	ug/L			10/14/17 13:19	4
Chloromethane	ND		4.0	1.4	ug/L			10/14/17 13:19	4
Bromodichloromethane	ND		4.0	1.6	ug/L			10/14/17 13:19	4
Ethylbenzene	ND		4.0	3.0	ug/L			10/14/17 13:19	4
Methylene Chloride	3.3	J	4.0	1.8	ug/L			10/14/17 13:19	4
Tetrachloroethene	ND		4.0	1.4	ug/L			10/14/17 13:19	4
Toluene	ND		4.0	2.0	ug/L			10/14/17 13:19	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			10/14/17 13:19	4
Trichloroethene	ND		4.0	1.8	ug/L			10/14/17 13:19	4
Vinyl chloride	ND		4.0	3.6	ug/L			10/14/17 13:19	4
Xylenes, Total	ND		8.0	2.6	ug/L			10/14/17 13:19	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			10/14/17 13:19	4
Styrene	ND		4.0	2.9	ug/L			10/14/17 13:19	4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		77 - 120		10/14/17 13:19	4
4-Bromofluorobenzene (Surr)	95		73 - 120		10/14/17 13:19	4
Toluene-d8 (Surr)	98		80 - 120		10/14/17 13:19	4
Dibromofluoromethane (Surr)	98		75 - 123		10/14/17 13:19	4

Method: 8270D - 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		10/10/17 07:45	10/12/17 01:51	1
1,2,4-Trichlorobenzene	ND		11	0.47	ug/L		10/10/17 07:45	10/12/17 01:51	1
2,4,5-Trichlorophenol	ND		5.3	0.51	ug/L		10/10/17 07:45	10/12/17 01:51	1
1,2-Dichlorobenzene	ND		11	0.43	ug/L		10/10/17 07:45	10/12/17 01:51	1
2,4,6-Trichlorophenol	ND		5.3	0.65	ug/L		10/10/17 07:45	10/12/17 01:51	1
2,4-Dichlorophenol	ND		5.3	0.54	ug/L		10/10/17 07:45	10/12/17 01:51	1
2,4-Dimethylphenol	ND		5.3	0.53	ug/L		10/10/17 07:45	10/12/17 01:51	1
1,3-Dichlorobenzene	ND		11	0.51	ug/L		10/10/17 07:45	10/12/17 01:51	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-125448-1

Client Sample ID: DUP

Lab Sample ID: 480-125448-6

Date Collected: 10/05/17 00:00

Matrix: Water

Date Received: 10/06/17 13:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrophenol	ND		11	2.4	ug/L		10/10/17 07:45	10/12/17 01:51	1
2,4-Dinitrotoluene	ND		5.3	0.48	ug/L		10/10/17 07:45	10/12/17 01:51	1
1,4-Dichlorobenzene	ND		11	0.49	ug/L		10/10/17 07:45	10/12/17 01:51	1
2,6-Dinitrotoluene	ND		5.3	0.43	ug/L		10/10/17 07:45	10/12/17 01:51	1
2-Chloronaphthalene	ND		5.3	0.49	ug/L		10/10/17 07:45	10/12/17 01:51	1
2-Chlorophenol	ND		5.3	0.56	ug/L		10/10/17 07:45	10/12/17 01:51	1
2-Methylnaphthalene	ND		5.3	0.64	ug/L		10/10/17 07:45	10/12/17 01:51	1
2-Methylphenol	ND		5.3	0.43	ug/L		10/10/17 07:45	10/12/17 01:51	1
2-Nitroaniline	ND		11	0.45	ug/L		10/10/17 07:45	10/12/17 01:51	1
2-Nitrophenol	ND		5.3	0.51	ug/L		10/10/17 07:45	10/12/17 01:51	1
3,3'-Dichlorobenzidine	ND	*	5.3	0.43	ug/L		10/10/17 07:45	10/12/17 01:51	1
3-Nitroaniline	ND	*	11	0.51	ug/L		10/10/17 07:45	10/12/17 01:51	1
4,6-Dinitro-2-methylphenol	ND		11	2.3	ug/L		10/10/17 07:45	10/12/17 01:51	1
4-Bromophenyl phenyl ether	ND		5.3	0.48	ug/L		10/10/17 07:45	10/12/17 01:51	1
4-Chloro-3-methylphenol	ND		5.3	0.48	ug/L		10/10/17 07:45	10/12/17 01:51	1
4-Chloroaniline	ND		5.3	0.63	ug/L		10/10/17 07:45	10/12/17 01:51	1
4-Chlorophenyl phenyl ether	ND		5.3	0.37	ug/L		10/10/17 07:45	10/12/17 01:51	1
4-Methylphenol	ND		11	0.38	ug/L		10/10/17 07:45	10/12/17 01:51	1
4-Nitroaniline	ND	*	11	0.27	ug/L		10/10/17 07:45	10/12/17 01:51	1
4-Nitrophenol	ND		11	1.6	ug/L		10/10/17 07:45	10/12/17 01:51	1
Acenaphthene	ND		5.3	0.44	ug/L		10/10/17 07:45	10/12/17 01:51	1
Acenaphthylene	ND		5.3	0.40	ug/L		10/10/17 07:45	10/12/17 01:51	1
Anthracene	ND		5.3	0.30	ug/L		10/10/17 07:45	10/12/17 01:51	1
Benzo[a]anthracene	ND		5.3	0.38	ug/L		10/10/17 07:45	10/12/17 01:51	1
Benzo[a]pyrene	ND		5.3	0.50	ug/L		10/10/17 07:45	10/12/17 01:51	1
Benzo[b]fluoranthene	ND		5.3	0.36	ug/L		10/10/17 07:45	10/12/17 01:51	1
Benzo[g,h,i]perylene	ND		5.3	0.37	ug/L		10/10/17 07:45	10/12/17 01:51	1
Benzo[k]fluoranthene	ND		5.3	0.78	ug/L		10/10/17 07:45	10/12/17 01:51	1
Bis(2-chloroethoxy)methane	ND		5.3	0.37	ug/L		10/10/17 07:45	10/12/17 01:51	1
Bis(2-chloroethyl)ether	ND		5.3	0.43	ug/L		10/10/17 07:45	10/12/17 01:51	1
Bis(2-ethylhexyl) phthalate	ND		5.3	2.3	ug/L		10/10/17 07:45	10/12/17 01:51	1
Butyl benzyl phthalate	ND		5.3	1.1	ug/L		10/10/17 07:45	10/12/17 01:51	1
Carbazole	ND	*	5.3	0.32	ug/L		10/10/17 07:45	10/12/17 01:51	1
Chrysene	ND		5.3	0.35	ug/L		10/10/17 07:45	10/12/17 01:51	1
Di-n-butyl phthalate	0.40	J	5.3	0.33	ug/L		10/10/17 07:45	10/12/17 01:51	1
Di-n-octyl phthalate	ND		5.3	0.50	ug/L		10/10/17 07:45	10/12/17 01:51	1
Dibenz(a,h)anthracene	ND		5.3	0.45	ug/L		10/10/17 07:45	10/12/17 01:51	1
Dibenzofuran	ND		11	0.54	ug/L		10/10/17 07:45	10/12/17 01:51	1
Diethyl phthalate	ND		5.3	0.23	ug/L		10/10/17 07:45	10/12/17 01:51	1
Dimethyl phthalate	ND	*	5.3	0.38	ug/L		10/10/17 07:45	10/12/17 01:51	1
Fluoranthene	ND		5.3	0.43	ug/L		10/10/17 07:45	10/12/17 01:51	1
Fluorene	ND		5.3	0.38	ug/L		10/10/17 07:45	10/12/17 01:51	1
Hexachlorobenzene	ND		5.3	0.54	ug/L		10/10/17 07:45	10/12/17 01:51	1
Hexachlorobutadiene	ND		5.3	0.72	ug/L		10/10/17 07:45	10/12/17 01:51	1
Hexachlorocyclopentadiene	ND		5.3	0.63	ug/L		10/10/17 07:45	10/12/17 01:51	1
Hexachloroethane	ND		5.3	0.63	ug/L		10/10/17 07:45	10/12/17 01:51	1
Indeno[1,2,3-cd]pyrene	ND		5.3	0.50	ug/L		10/10/17 07:45	10/12/17 01:51	1
Isophorone	ND		5.3	0.46	ug/L		10/10/17 07:45	10/12/17 01:51	1
N-Nitrosodi-n-propylamine	ND		5.3	0.57	ug/L		10/10/17 07:45	10/12/17 01:51	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-125448-1

Client Sample ID: DUP

Lab Sample ID: 480-125448-6

Date Collected: 10/05/17 00:00

Matrix: Water

Date Received: 10/06/17 13:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		5.3	0.54	ug/L		10/10/17 07:45	10/12/17 01:51	1
Naphthalene	ND		5.3	0.81	ug/L		10/10/17 07:45	10/12/17 01:51	1
Nitrobenzene	ND		5.3	0.31	ug/L		10/10/17 07:45	10/12/17 01:51	1
Pentachlorophenol	ND		11	2.3	ug/L		10/10/17 07:45	10/12/17 01:51	1
Phenanthrene	ND		5.3	0.47	ug/L		10/10/17 07:45	10/12/17 01:51	1
Phenol	ND		5.3	0.41	ug/L		10/10/17 07:45	10/12/17 01:51	1
Pyrene	ND		5.3	0.36	ug/L		10/10/17 07:45	10/12/17 01:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	114		41 - 120	10/10/17 07:45	10/12/17 01:51	1
2-Fluorobiphenyl	100		48 - 120	10/10/17 07:45	10/12/17 01:51	1
2-Fluorophenol	77		35 - 120	10/10/17 07:45	10/12/17 01:51	1
Nitrobenzene-d5	103		46 - 120	10/10/17 07:45	10/12/17 01:51	1
p-Terphenyl-d14	96		59 - 136	10/10/17 07:45	10/12/17 01:51	1
Phenol-d5	61		22 - 120	10/10/17 07:45	10/12/17 01:51	1

Method: 8082A - 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		10/10/17 14:43	10/11/17 18:31	1
PCB-1221	ND		0.50	0.18	ug/L		10/10/17 14:43	10/11/17 18:31	1
PCB-1232	ND		0.50	0.18	ug/L		10/10/17 14:43	10/11/17 18:31	1
PCB-1242	ND		0.50	0.18	ug/L		10/10/17 14:43	10/11/17 18:31	1
PCB-1248	ND		0.50	0.18	ug/L		10/10/17 14:43	10/11/17 18:31	1
PCB-1254	ND		0.50	0.25	ug/L		10/10/17 14:43	10/11/17 18:31	1
PCB-1260	ND		0.50	0.25	ug/L		10/10/17 14:43	10/11/17 18:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	48		19 - 120	10/10/17 14:43	10/11/17 18:31	1
Tetrachloro-m-xylene	64		39 - 121	10/10/17 14:43	10/11/17 18:31	1

Client Sample ID: RW-4

Lab Sample ID: 480-125448-7

Date Collected: 10/05/17 14:30

Matrix: Water

Date Received: 10/06/17 13:50

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/14/17 13:46	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/14/17 13:46	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/14/17 13:46	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/14/17 13:46	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/14/17 13:46	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/14/17 13:46	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/14/17 13:46	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/14/17 13:46	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/14/17 13:46	1
2-Hexanone	ND		5.0	1.2	ug/L			10/14/17 13:46	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/14/17 13:46	1
Acetone	3.1	J	10	3.0	ug/L			10/14/17 13:46	1
Benzene	ND		1.0	0.41	ug/L			10/14/17 13:46	1
Bromoform	ND		1.0	0.26	ug/L			10/14/17 13:46	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-125448-1

Client Sample ID: RW-4

Lab Sample ID: 480-125448-7

Date Collected: 10/05/17 14:30

Matrix: Water

Date Received: 10/06/17 13:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	ND		1.0	0.69	ug/L			10/14/17 13:46	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/14/17 13:46	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/14/17 13:46	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/14/17 13:46	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/14/17 13:46	1
Chloroethane	ND		1.0	0.32	ug/L			10/14/17 13:46	1
Chloroform	ND		1.0	0.34	ug/L			10/14/17 13:46	1
Chloromethane	ND		1.0	0.35	ug/L			10/14/17 13:46	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/14/17 13:46	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/14/17 13:46	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/14/17 13:46	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/14/17 13:46	1
Toluene	ND		1.0	0.51	ug/L			10/14/17 13:46	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/14/17 13:46	1
Trichloroethene	ND		1.0	0.46	ug/L			10/14/17 13:46	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/14/17 13:46	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/14/17 13:46	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/14/17 13:46	1
Styrene	ND		1.0	0.73	ug/L			10/14/17 13:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	120		77 - 120		10/14/17 13:46	1
4-Bromofluorobenzene (Surr)	98		73 - 120		10/14/17 13:46	1
Toluene-d8 (Surr)	101		80 - 120		10/14/17 13:46	1
Dibromofluoromethane (Surr)	104		75 - 123		10/14/17 13:46	1

Method: 8270D - 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		10/10/17 07:45	10/12/17 02:20	1
1,2,4-Trichlorobenzene	ND		11	0.47	ug/L		10/10/17 07:45	10/12/17 02:20	1
2,4,5-Trichlorophenol	ND		5.3	0.51	ug/L		10/10/17 07:45	10/12/17 02:20	1
1,2-Dichlorobenzene	ND		11	0.43	ug/L		10/10/17 07:45	10/12/17 02:20	1
2,4,6-Trichlorophenol	ND		5.3	0.65	ug/L		10/10/17 07:45	10/12/17 02:20	1
2,4-Dichlorophenol	ND		5.3	0.54	ug/L		10/10/17 07:45	10/12/17 02:20	1
2,4-Dimethylphenol	ND		5.3	0.53	ug/L		10/10/17 07:45	10/12/17 02:20	1
1,3-Dichlorobenzene	ND		11	0.51	ug/L		10/10/17 07:45	10/12/17 02:20	1
2,4-Dinitrophenol	ND		11	2.4	ug/L		10/10/17 07:45	10/12/17 02:20	1
2,4-Dinitrotoluene	ND		5.3	0.48	ug/L		10/10/17 07:45	10/12/17 02:20	1
1,4-Dichlorobenzene	ND		11	0.49	ug/L		10/10/17 07:45	10/12/17 02:20	1
2,6-Dinitrotoluene	ND		5.3	0.43	ug/L		10/10/17 07:45	10/12/17 02:20	1
2-Chloronaphthalene	ND		5.3	0.49	ug/L		10/10/17 07:45	10/12/17 02:20	1
2-Chlorophenol	ND		5.3	0.56	ug/L		10/10/17 07:45	10/12/17 02:20	1
2-Methylnaphthalene	ND		5.3	0.64	ug/L		10/10/17 07:45	10/12/17 02:20	1
2-Methylphenol	ND		5.3	0.43	ug/L		10/10/17 07:45	10/12/17 02:20	1
2-Nitroaniline	ND		11	0.45	ug/L		10/10/17 07:45	10/12/17 02:20	1
2-Nitrophenol	ND		5.3	0.51	ug/L		10/10/17 07:45	10/12/17 02:20	1
3,3'-Dichlorobenzidine	ND *		5.3	0.43	ug/L		10/10/17 07:45	10/12/17 02:20	1
3-Nitroaniline	ND *		11	0.51	ug/L		10/10/17 07:45	10/12/17 02:20	1
4,6-Dinitro-2-methylphenol	ND		11	2.3	ug/L		10/10/17 07:45	10/12/17 02:20	1
4-Bromophenyl phenyl ether	ND		5.3	0.48	ug/L		10/10/17 07:45	10/12/17 02:20	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-125448-1

Client Sample ID: RW-4

Lab Sample ID: 480-125448-7

Date Collected: 10/05/17 14:30

Matrix: Water

Date Received: 10/06/17 13:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chloro-3-methylphenol	ND		5.3	0.48	ug/L		10/10/17 07:45	10/12/17 02:20	1
4-Chloroaniline	ND		5.3	0.63	ug/L		10/10/17 07:45	10/12/17 02:20	1
4-Chlorophenyl phenyl ether	ND		5.3	0.37	ug/L		10/10/17 07:45	10/12/17 02:20	1
4-Methylphenol	ND		11	0.38	ug/L		10/10/17 07:45	10/12/17 02:20	1
4-Nitroaniline	ND	*	11	0.27	ug/L		10/10/17 07:45	10/12/17 02:20	1
4-Nitrophenol	ND		11	1.6	ug/L		10/10/17 07:45	10/12/17 02:20	1
Acenaphthene	ND		5.3	0.44	ug/L		10/10/17 07:45	10/12/17 02:20	1
Acenaphthylene	ND		5.3	0.40	ug/L		10/10/17 07:45	10/12/17 02:20	1
Anthracene	ND		5.3	0.30	ug/L		10/10/17 07:45	10/12/17 02:20	1
Benzo[a]anthracene	ND		5.3	0.38	ug/L		10/10/17 07:45	10/12/17 02:20	1
Benzo[a]pyrene	ND		5.3	0.50	ug/L		10/10/17 07:45	10/12/17 02:20	1
Benzo[b]fluoranthene	ND		5.3	0.36	ug/L		10/10/17 07:45	10/12/17 02:20	1
Benzo[g,h,i]perylene	ND		5.3	0.37	ug/L		10/10/17 07:45	10/12/17 02:20	1
Benzo[k]fluoranthene	ND		5.3	0.78	ug/L		10/10/17 07:45	10/12/17 02:20	1
Bis(2-chloroethoxy)methane	ND		5.3	0.37	ug/L		10/10/17 07:45	10/12/17 02:20	1
Bis(2-chloroethyl)ether	ND		5.3	0.43	ug/L		10/10/17 07:45	10/12/17 02:20	1
Bis(2-ethylhexyl) phthalate	ND		5.3	2.3	ug/L		10/10/17 07:45	10/12/17 02:20	1
Butyl benzyl phthalate	ND		5.3	1.1	ug/L		10/10/17 07:45	10/12/17 02:20	1
Carbazole	ND	*	5.3	0.32	ug/L		10/10/17 07:45	10/12/17 02:20	1
Chrysene	ND		5.3	0.35	ug/L		10/10/17 07:45	10/12/17 02:20	1
Di-n-butyl phthalate	1.2	J	5.3	0.33	ug/L		10/10/17 07:45	10/12/17 02:20	1
Di-n-octyl phthalate	ND		5.3	0.50	ug/L		10/10/17 07:45	10/12/17 02:20	1
Dibenz(a,h)anthracene	ND		5.3	0.45	ug/L		10/10/17 07:45	10/12/17 02:20	1
Dibenzofuran	ND		11	0.54	ug/L		10/10/17 07:45	10/12/17 02:20	1
Diethyl phthalate	0.77	J	5.3	0.23	ug/L		10/10/17 07:45	10/12/17 02:20	1
Dimethyl phthalate	ND	*	5.3	0.38	ug/L		10/10/17 07:45	10/12/17 02:20	1
Fluoranthene	ND		5.3	0.43	ug/L		10/10/17 07:45	10/12/17 02:20	1
Fluorene	ND		5.3	0.38	ug/L		10/10/17 07:45	10/12/17 02:20	1
Hexachlorobenzene	ND		5.3	0.54	ug/L		10/10/17 07:45	10/12/17 02:20	1
Hexachlorobutadiene	ND		5.3	0.72	ug/L		10/10/17 07:45	10/12/17 02:20	1
Hexachlorocyclopentadiene	ND		5.3	0.63	ug/L		10/10/17 07:45	10/12/17 02:20	1
Hexachloroethane	ND		5.3	0.63	ug/L		10/10/17 07:45	10/12/17 02:20	1
Indeno[1,2,3-cd]pyrene	ND		5.3	0.50	ug/L		10/10/17 07:45	10/12/17 02:20	1
Isophorone	ND		5.3	0.46	ug/L		10/10/17 07:45	10/12/17 02:20	1
N-Nitrosodi-n-propylamine	ND		5.3	0.57	ug/L		10/10/17 07:45	10/12/17 02:20	1
N-Nitrosodiphenylamine	ND		5.3	0.54	ug/L		10/10/17 07:45	10/12/17 02:20	1
Naphthalene	ND		5.3	0.81	ug/L		10/10/17 07:45	10/12/17 02:20	1
Nitrobenzene	ND		5.3	0.31	ug/L		10/10/17 07:45	10/12/17 02:20	1
Pentachlorophenol	ND		11	2.3	ug/L		10/10/17 07:45	10/12/17 02:20	1
Phenanthrene	ND		5.3	0.47	ug/L		10/10/17 07:45	10/12/17 02:20	1
Phenol	ND		5.3	0.41	ug/L		10/10/17 07:45	10/12/17 02:20	1
Pyrene	ND		5.3	0.36	ug/L		10/10/17 07:45	10/12/17 02:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	108		41 - 120				10/10/17 07:45	10/12/17 02:20	1
2-Fluorobiphenyl	98		48 - 120				10/10/17 07:45	10/12/17 02:20	1
2-Fluorophenol	74		35 - 120				10/10/17 07:45	10/12/17 02:20	1
Nitrobenzene-d5	104		46 - 120				10/10/17 07:45	10/12/17 02:20	1
p-Terphenyl-d14	88		59 - 136				10/10/17 07:45	10/12/17 02:20	1
Phenol-d5	55		22 - 120				10/10/17 07:45	10/12/17 02:20	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-125448-1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.54	0.19	ug/L		10/10/17 14:43	10/11/17 18:47	1
PCB-1221	ND		0.54	0.19	ug/L		10/10/17 14:43	10/11/17 18:47	1
PCB-1232	ND		0.54	0.19	ug/L		10/10/17 14:43	10/11/17 18:47	1
PCB-1242	ND		0.54	0.19	ug/L		10/10/17 14:43	10/11/17 18:47	1
PCB-1248	ND		0.54	0.19	ug/L		10/10/17 14:43	10/11/17 18:47	1
PCB-1254	ND		0.54	0.27	ug/L		10/10/17 14:43	10/11/17 18:47	1
PCB-1260	ND		0.54	0.27	ug/L		10/10/17 14:43	10/11/17 18:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	63		19 - 120				10/10/17 14:43	10/11/17 18:47	1
Tetrachloro-m-xylene	76		39 - 121				10/10/17 14:43	10/11/17 18:47	1

Client Sample ID: RW-5

Lab Sample ID: 480-125448-8

Date Collected: 10/05/17 15:30

Matrix: Water

Date Received: 10/06/17 13:50

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/14/17 14:14	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/14/17 14:14	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/14/17 14:14	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/14/17 14:14	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/14/17 14:14	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/14/17 14:14	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/14/17 14:14	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/14/17 14:14	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/14/17 14:14	1
2-Hexanone	ND		5.0	1.2	ug/L			10/14/17 14:14	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/14/17 14:14	1
Acetone	ND		10	3.0	ug/L			10/14/17 14:14	1
Benzene	ND		1.0	0.41	ug/L			10/14/17 14:14	1
Bromoform	ND		1.0	0.26	ug/L			10/14/17 14:14	1
Bromomethane	ND		1.0	0.69	ug/L			10/14/17 14:14	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/14/17 14:14	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/14/17 14:14	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/14/17 14:14	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/14/17 14:14	1
Chloroethane	ND		1.0	0.32	ug/L			10/14/17 14:14	1
Chloroform	ND		1.0	0.34	ug/L			10/14/17 14:14	1
Chloromethane	ND		1.0	0.35	ug/L			10/14/17 14:14	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/14/17 14:14	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/14/17 14:14	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/14/17 14:14	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/14/17 14:14	1
Toluene	ND		1.0	0.51	ug/L			10/14/17 14:14	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/14/17 14:14	1
Trichloroethene	ND		1.0	0.46	ug/L			10/14/17 14:14	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/14/17 14:14	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/14/17 14:14	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/14/17 14:14	1
Styrene	ND		1.0	0.73	ug/L			10/14/17 14:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	115		77 - 120					10/14/17 14:14	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-125448-1

Client Sample ID: RW-5

Lab Sample ID: 480-125448-8

Date Collected: 10/05/17 15:30

Matrix: Water

Date Received: 10/06/17 13:50

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		73 - 120		10/14/17 14:14	1
Toluene-d8 (Surr)	102		80 - 120		10/14/17 14:14	1
Dibromofluoromethane (Surr)	99		75 - 123		10/14/17 14:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
bis (2-chloroisopropyl) ether	ND		5.4	0.57	ug/L		10/10/17 07:45	10/12/17 02:50	1
1,2,4-Trichlorobenzene	ND		11	0.48	ug/L		10/10/17 07:45	10/12/17 02:50	1
2,4,5-Trichlorophenol	ND		5.4	0.52	ug/L		10/10/17 07:45	10/12/17 02:50	1
1,2-Dichlorobenzene	ND		11	0.43	ug/L		10/10/17 07:45	10/12/17 02:50	1
2,4,6-Trichlorophenol	ND		5.4	0.66	ug/L		10/10/17 07:45	10/12/17 02:50	1
2,4-Dichlorophenol	ND		5.4	0.55	ug/L		10/10/17 07:45	10/12/17 02:50	1
2,4-Dimethylphenol	ND		5.4	0.54	ug/L		10/10/17 07:45	10/12/17 02:50	1
1,3-Dichlorobenzene	ND		11	0.52	ug/L		10/10/17 07:45	10/12/17 02:50	1
2,4-Dinitrophenol	ND		11	2.4	ug/L		10/10/17 07:45	10/12/17 02:50	1
2,4-Dinitrotoluene	ND		5.4	0.49	ug/L		10/10/17 07:45	10/12/17 02:50	1
1,4-Dichlorobenzene	ND		11	0.50	ug/L		10/10/17 07:45	10/12/17 02:50	1
2,6-Dinitrotoluene	ND		5.4	0.43	ug/L		10/10/17 07:45	10/12/17 02:50	1
2-Chloronaphthalene	ND		5.4	0.50	ug/L		10/10/17 07:45	10/12/17 02:50	1
2-Chlorophenol	ND		5.4	0.58	ug/L		10/10/17 07:45	10/12/17 02:50	1
2-Methylnaphthalene	ND		5.4	0.65	ug/L		10/10/17 07:45	10/12/17 02:50	1
2-Methylphenol	ND		5.4	0.43	ug/L		10/10/17 07:45	10/12/17 02:50	1
2-Nitroaniline	ND		11	0.46	ug/L		10/10/17 07:45	10/12/17 02:50	1
2-Nitrophenol	ND		5.4	0.52	ug/L		10/10/17 07:45	10/12/17 02:50	1
3,3'-Dichlorobenzidine	ND	*	5.4	0.43	ug/L		10/10/17 07:45	10/12/17 02:50	1
3-Nitroaniline	ND	*	11	0.52	ug/L		10/10/17 07:45	10/12/17 02:50	1
4,6-Dinitro-2-methylphenol	ND		11	2.4	ug/L		10/10/17 07:45	10/12/17 02:50	1
4-Bromophenyl phenyl ether	ND		5.4	0.49	ug/L		10/10/17 07:45	10/12/17 02:50	1
4-Chloro-3-methylphenol	ND		5.4	0.49	ug/L		10/10/17 07:45	10/12/17 02:50	1
4-Chloroaniline	ND		5.4	0.64	ug/L		10/10/17 07:45	10/12/17 02:50	1
4-Chlorophenyl phenyl ether	ND		5.4	0.38	ug/L		10/10/17 07:45	10/12/17 02:50	1
4-Methylphenol	ND		11	0.39	ug/L		10/10/17 07:45	10/12/17 02:50	1
4-Nitroaniline	ND	*	11	0.27	ug/L		10/10/17 07:45	10/12/17 02:50	1
4-Nitrophenol	ND		11	1.7	ug/L		10/10/17 07:45	10/12/17 02:50	1
Acenaphthene	ND		5.4	0.45	ug/L		10/10/17 07:45	10/12/17 02:50	1
Acenaphthylene	ND		5.4	0.41	ug/L		10/10/17 07:45	10/12/17 02:50	1
Anthracene	ND		5.4	0.30	ug/L		10/10/17 07:45	10/12/17 02:50	1
Benzo[a]anthracene	ND		5.4	0.39	ug/L		10/10/17 07:45	10/12/17 02:50	1
Benzo[a]pyrene	ND		5.4	0.51	ug/L		10/10/17 07:45	10/12/17 02:50	1
Benzo[b]fluoranthene	ND		5.4	0.37	ug/L		10/10/17 07:45	10/12/17 02:50	1
Benzo[g,h,i]perylene	ND		5.4	0.38	ug/L		10/10/17 07:45	10/12/17 02:50	1
Benzo[k]fluoranthene	ND		5.4	0.79	ug/L		10/10/17 07:45	10/12/17 02:50	1
Bis(2-chloroethoxy)methane	ND		5.4	0.38	ug/L		10/10/17 07:45	10/12/17 02:50	1
Bis(2-chloroethyl)ether	ND		5.4	0.43	ug/L		10/10/17 07:45	10/12/17 02:50	1
Bis(2-ethylhexyl) phthalate	ND		5.4	2.4	ug/L		10/10/17 07:45	10/12/17 02:50	1
Butyl benzyl phthalate	ND		5.4	1.1	ug/L		10/10/17 07:45	10/12/17 02:50	1
Carbazole	ND	*	5.4	0.33	ug/L		10/10/17 07:45	10/12/17 02:50	1
Chrysene	ND		5.4	0.36	ug/L		10/10/17 07:45	10/12/17 02:50	1
Di-n-butyl phthalate	0.39	J	5.4	0.34	ug/L		10/10/17 07:45	10/12/17 02:50	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-125448-1

Client Sample ID: RW-5

Lab Sample ID: 480-125448-8

Date Collected: 10/05/17 15:30

Matrix: Water

Date Received: 10/06/17 13:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate	ND		5.4	0.51	ug/L		10/10/17 07:45	10/12/17 02:50	1
Dibenz(a,h)anthracene	ND		5.4	0.46	ug/L		10/10/17 07:45	10/12/17 02:50	1
Dibenzofuran	ND		11	0.55	ug/L		10/10/17 07:45	10/12/17 02:50	1
Diethyl phthalate	0.26	J	5.4	0.24	ug/L		10/10/17 07:45	10/12/17 02:50	1
Dimethyl phthalate	ND	*	5.4	0.39	ug/L		10/10/17 07:45	10/12/17 02:50	1
Fluoranthene	ND		5.4	0.43	ug/L		10/10/17 07:45	10/12/17 02:50	1
Fluorene	ND		5.4	0.39	ug/L		10/10/17 07:45	10/12/17 02:50	1
Hexachlorobenzene	ND		5.4	0.55	ug/L		10/10/17 07:45	10/12/17 02:50	1
Hexachlorobutadiene	ND		5.4	0.74	ug/L		10/10/17 07:45	10/12/17 02:50	1
Hexachlorocyclopentadiene	ND		5.4	0.64	ug/L		10/10/17 07:45	10/12/17 02:50	1
Hexachloroethane	ND		5.4	0.64	ug/L		10/10/17 07:45	10/12/17 02:50	1
Indeno[1,2,3-cd]pyrene	ND		5.4	0.51	ug/L		10/10/17 07:45	10/12/17 02:50	1
Isophorone	ND		5.4	0.47	ug/L		10/10/17 07:45	10/12/17 02:50	1
N-Nitrosodi-n-propylamine	ND		5.4	0.59	ug/L		10/10/17 07:45	10/12/17 02:50	1
N-Nitrosodiphenylamine	ND		5.4	0.55	ug/L		10/10/17 07:45	10/12/17 02:50	1
Naphthalene	ND		5.4	0.83	ug/L		10/10/17 07:45	10/12/17 02:50	1
Nitrobenzene	ND		5.4	0.32	ug/L		10/10/17 07:45	10/12/17 02:50	1
Pentachlorophenol	ND		11	2.4	ug/L		10/10/17 07:45	10/12/17 02:50	1
Phenanthrene	ND		5.4	0.48	ug/L		10/10/17 07:45	10/12/17 02:50	1
Phenol	ND		5.4	0.42	ug/L		10/10/17 07:45	10/12/17 02:50	1
Pyrene	ND		5.4	0.37	ug/L		10/10/17 07:45	10/12/17 02:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	101		41 - 120	10/10/17 07:45	10/12/17 02:50	1
2-Fluorobiphenyl	95		48 - 120	10/10/17 07:45	10/12/17 02:50	1
2-Fluorophenol	71		35 - 120	10/10/17 07:45	10/12/17 02:50	1
Nitrobenzene-d5	98		46 - 120	10/10/17 07:45	10/12/17 02:50	1
p-Terphenyl-d14	90		59 - 136	10/10/17 07:45	10/12/17 02:50	1
Phenol-d5	52		22 - 120	10/10/17 07:45	10/12/17 02:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.53	0.19	ug/L		10/10/17 14:43	10/11/17 19:03	1
PCB-1221	ND		0.53	0.19	ug/L		10/10/17 14:43	10/11/17 19:03	1
PCB-1232	ND		0.53	0.19	ug/L		10/10/17 14:43	10/11/17 19:03	1
PCB-1242	ND		0.53	0.19	ug/L		10/10/17 14:43	10/11/17 19:03	1
PCB-1248	ND		0.53	0.19	ug/L		10/10/17 14:43	10/11/17 19:03	1
PCB-1254	ND		0.53	0.27	ug/L		10/10/17 14:43	10/11/17 19:03	1
PCB-1260	ND		0.53	0.27	ug/L		10/10/17 14:43	10/11/17 19:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	55		19 - 120	10/10/17 14:43	10/11/17 19:03	1
Tetrachloro-m-xylene	64		39 - 121	10/10/17 14:43	10/11/17 19:03	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-125448-1

Client Sample ID: S-1

Lab Sample ID: 480-125448-9

Date Collected: 10/06/17 09:00

Matrix: Water

Date Received: 10/06/17 13:50

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.0	1.6	ug/L			10/17/17 06:03	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			10/17/17 06:03	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			10/17/17 06:03	2
1,1-Dichloroethane	2.2		2.0	0.76	ug/L			10/17/17 06:03	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			10/17/17 06:03	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			10/17/17 06:03	2
1,2-Dichloroethene, Total	1.7	J	4.0	1.6	ug/L			10/17/17 06:03	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			10/17/17 06:03	2
2-Butanone (MEK)	ND		20	2.6	ug/L			10/17/17 06:03	2
2-Hexanone	ND		10	2.5	ug/L			10/17/17 06:03	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			10/17/17 06:03	2
Acetone	ND		20	6.0	ug/L			10/17/17 06:03	2
Benzene	ND		2.0	0.82	ug/L			10/17/17 06:03	2
Bromoform	ND		2.0	0.52	ug/L			10/17/17 06:03	2
Bromomethane	ND		2.0	1.4	ug/L			10/17/17 06:03	2
Carbon disulfide	ND		2.0	0.38	ug/L			10/17/17 06:03	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			10/17/17 06:03	2
Chlorobenzene	ND		2.0	1.5	ug/L			10/17/17 06:03	2
Dibromochloromethane	ND		2.0	0.64	ug/L			10/17/17 06:03	2
Chloroethane	ND		2.0	0.64	ug/L			10/17/17 06:03	2
Chloroform	ND		2.0	0.68	ug/L			10/17/17 06:03	2
Chloromethane	ND		2.0	0.70	ug/L			10/17/17 06:03	2
Bromodichloromethane	ND		2.0	0.78	ug/L			10/17/17 06:03	2
Ethylbenzene	ND		2.0	1.5	ug/L			10/17/17 06:03	2
Methylene Chloride	ND		2.0	0.88	ug/L			10/17/17 06:03	2
Tetrachloroethene	ND		2.0	0.72	ug/L			10/17/17 06:03	2
Toluene	ND		2.0	1.0	ug/L			10/17/17 06:03	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			10/17/17 06:03	2
Trichloroethene	ND		2.0	0.92	ug/L			10/17/17 06:03	2
Vinyl chloride	ND		2.0	1.8	ug/L			10/17/17 06:03	2
Xylenes, Total	ND		4.0	1.3	ug/L			10/17/17 06:03	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			10/17/17 06:03	2
Styrene	ND		2.0	1.5	ug/L			10/17/17 06:03	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		77 - 120		10/17/17 06:03	2
4-Bromofluorobenzene (Surr)	94		73 - 120		10/17/17 06:03	2
Toluene-d8 (Surr)	99		80 - 120		10/17/17 06:03	2
Dibromofluoromethane (Surr)	99		75 - 123		10/17/17 06:03	2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
bis (2-chloroisopropyl) ether	ND		5.4	0.57	ug/L		10/10/17 07:45	10/12/17 05:16	1
1,2,4-Trichlorobenzene	ND		11	0.48	ug/L		10/10/17 07:45	10/12/17 05:16	1
2,4,5-Trichlorophenol	1.4	J	5.4	0.52	ug/L		10/10/17 07:45	10/12/17 05:16	1
1,2-Dichlorobenzene	ND		11	0.43	ug/L		10/10/17 07:45	10/12/17 05:16	1
2,4,6-Trichlorophenol	ND		5.4	0.66	ug/L		10/10/17 07:45	10/12/17 05:16	1
2,4-Dichlorophenol	ND		5.4	0.55	ug/L		10/10/17 07:45	10/12/17 05:16	1
2,4-Dimethylphenol	60		5.4	0.54	ug/L		10/10/17 07:45	10/12/17 05:16	1
1,3-Dichlorobenzene	ND		11	0.52	ug/L		10/10/17 07:45	10/12/17 05:16	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-125448-1

Client Sample ID: S-1

Lab Sample ID: 480-125448-9

Date Collected: 10/06/17 09:00

Matrix: Water

Date Received: 10/06/17 13:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrophenol	ND		11	2.4	ug/L		10/10/17 07:45	10/12/17 05:16	1
2,4-Dinitrotoluene	ND		5.4	0.49	ug/L		10/10/17 07:45	10/12/17 05:16	1
1,4-Dichlorobenzene	ND		11	0.50	ug/L		10/10/17 07:45	10/12/17 05:16	1
2,6-Dinitrotoluene	ND		5.4	0.43	ug/L		10/10/17 07:45	10/12/17 05:16	1
2-Chloronaphthalene	ND		5.4	0.50	ug/L		10/10/17 07:45	10/12/17 05:16	1
2-Chlorophenol	ND		5.4	0.58	ug/L		10/10/17 07:45	10/12/17 05:16	1
2-Methylnaphthalene	0.72	J	5.4	0.65	ug/L		10/10/17 07:45	10/12/17 05:16	1
2-Methylphenol	18		5.4	0.43	ug/L		10/10/17 07:45	10/12/17 05:16	1
2-Nitroaniline	ND		11	0.46	ug/L		10/10/17 07:45	10/12/17 05:16	1
2-Nitrophenol	ND		5.4	0.52	ug/L		10/10/17 07:45	10/12/17 05:16	1
3,3'-Dichlorobenzidine	ND	*	5.4	0.43	ug/L		10/10/17 07:45	10/12/17 05:16	1
3-Nitroaniline	ND	*	11	0.52	ug/L		10/10/17 07:45	10/12/17 05:16	1
4,6-Dinitro-2-methylphenol	ND		11	2.4	ug/L		10/10/17 07:45	10/12/17 05:16	1
4-Bromophenyl phenyl ether	ND		5.4	0.49	ug/L		10/10/17 07:45	10/12/17 05:16	1
4-Chloro-3-methylphenol	ND		5.4	0.49	ug/L		10/10/17 07:45	10/12/17 05:16	1
4-Chloroaniline	ND		5.4	0.64	ug/L		10/10/17 07:45	10/12/17 05:16	1
4-Chlorophenyl phenyl ether	ND		5.4	0.38	ug/L		10/10/17 07:45	10/12/17 05:16	1
4-Methylphenol	43		11	0.39	ug/L		10/10/17 07:45	10/12/17 05:16	1
4-Nitroaniline	ND	*	11	0.27	ug/L		10/10/17 07:45	10/12/17 05:16	1
4-Nitrophenol	ND		11	1.7	ug/L		10/10/17 07:45	10/12/17 05:16	1
Acenaphthene	0.73	J	5.4	0.45	ug/L		10/10/17 07:45	10/12/17 05:16	1
Acenaphthylene	0.46	J	5.4	0.41	ug/L		10/10/17 07:45	10/12/17 05:16	1
Anthracene	ND		5.4	0.30	ug/L		10/10/17 07:45	10/12/17 05:16	1
Benzo[a]anthracene	ND		5.4	0.39	ug/L		10/10/17 07:45	10/12/17 05:16	1
Benzo[a]pyrene	ND		5.4	0.51	ug/L		10/10/17 07:45	10/12/17 05:16	1
Benzo[b]fluoranthene	ND		5.4	0.37	ug/L		10/10/17 07:45	10/12/17 05:16	1
Benzo[g,h,i]perylene	ND		5.4	0.38	ug/L		10/10/17 07:45	10/12/17 05:16	1
Benzo[k]fluoranthene	ND		5.4	0.79	ug/L		10/10/17 07:45	10/12/17 05:16	1
Bis(2-chloroethoxy)methane	ND		5.4	0.38	ug/L		10/10/17 07:45	10/12/17 05:16	1
Bis(2-chloroethyl)ether	ND		5.4	0.43	ug/L		10/10/17 07:45	10/12/17 05:16	1
Bis(2-ethylhexyl) phthalate	ND		5.4	2.4	ug/L		10/10/17 07:45	10/12/17 05:16	1
Butyl benzyl phthalate	ND		5.4	1.1	ug/L		10/10/17 07:45	10/12/17 05:16	1
Carbazole	ND	*	5.4	0.33	ug/L		10/10/17 07:45	10/12/17 05:16	1
Chrysene	ND		5.4	0.36	ug/L		10/10/17 07:45	10/12/17 05:16	1
Di-n-butyl phthalate	0.46	J	5.4	0.34	ug/L		10/10/17 07:45	10/12/17 05:16	1
Di-n-octyl phthalate	ND		5.4	0.51	ug/L		10/10/17 07:45	10/12/17 05:16	1
Dibenz(a,h)anthracene	ND		5.4	0.46	ug/L		10/10/17 07:45	10/12/17 05:16	1
Dibenzofuran	ND		11	0.55	ug/L		10/10/17 07:45	10/12/17 05:16	1
Diethyl phthalate	ND		5.4	0.24	ug/L		10/10/17 07:45	10/12/17 05:16	1
Dimethyl phthalate	ND	*	5.4	0.39	ug/L		10/10/17 07:45	10/12/17 05:16	1
Fluoranthene	ND		5.4	0.43	ug/L		10/10/17 07:45	10/12/17 05:16	1
Fluorene	0.59	J	5.4	0.39	ug/L		10/10/17 07:45	10/12/17 05:16	1
Hexachlorobenzene	ND		5.4	0.55	ug/L		10/10/17 07:45	10/12/17 05:16	1
Hexachlorobutadiene	ND		5.4	0.74	ug/L		10/10/17 07:45	10/12/17 05:16	1
Hexachlorocyclopentadiene	ND		5.4	0.64	ug/L		10/10/17 07:45	10/12/17 05:16	1
Hexachloroethane	ND		5.4	0.64	ug/L		10/10/17 07:45	10/12/17 05:16	1
Indeno[1,2,3-cd]pyrene	ND		5.4	0.51	ug/L		10/10/17 07:45	10/12/17 05:16	1
Isophorone	ND		5.4	0.47	ug/L		10/10/17 07:45	10/12/17 05:16	1
N-Nitrosodi-n-propylamine	ND		5.4	0.59	ug/L		10/10/17 07:45	10/12/17 05:16	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-125448-1

Client Sample ID: S-1

Lab Sample ID: 480-125448-9

Date Collected: 10/06/17 09:00

Matrix: Water

Date Received: 10/06/17 13:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		5.4	0.55	ug/L		10/10/17 07:45	10/12/17 05:16	1
Naphthalene	6.4		5.4	0.83	ug/L		10/10/17 07:45	10/12/17 05:16	1
Nitrobenzene	ND		5.4	0.32	ug/L		10/10/17 07:45	10/12/17 05:16	1
Pentachlorophenol	ND		11	2.4	ug/L		10/10/17 07:45	10/12/17 05:16	1
Phenanthrene	0.61 J		5.4	0.48	ug/L		10/10/17 07:45	10/12/17 05:16	1
Phenol	ND		5.4	0.42	ug/L		10/10/17 07:45	10/12/17 05:16	1
Pyrene	ND		5.4	0.37	ug/L		10/10/17 07:45	10/12/17 05:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	118		41 - 120	10/10/17 07:45	10/12/17 05:16	1
2-Fluorobiphenyl	97		48 - 120	10/10/17 07:45	10/12/17 05:16	1
2-Fluorophenol	72		35 - 120	10/10/17 07:45	10/12/17 05:16	1
Nitrobenzene-d5	85		46 - 120	10/10/17 07:45	10/12/17 05:16	1
p-Terphenyl-d14	100		59 - 136	10/10/17 07:45	10/12/17 05:16	1
Phenol-d5	53		22 - 120	10/10/17 07:45	10/12/17 05:16	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.050	0.0092	ug/L		10/09/17 15:41	10/10/17 14:26	1
4,4'-DDE	ND		0.050	0.012	ug/L		10/09/17 15:41	10/10/17 14:26	1
4,4'-DDT	ND		0.050	0.011	ug/L		10/09/17 15:41	10/10/17 14:26	1
Aldrin	ND		0.050	0.0081	ug/L		10/09/17 15:41	10/10/17 14:26	1
alpha-BHC	ND		0.050	0.0077	ug/L		10/09/17 15:41	10/10/17 14:26	1
alpha-Chlordane	ND		0.050	0.015	ug/L		10/09/17 15:41	10/10/17 14:26	1
beta-BHC	ND		0.050	0.025	ug/L		10/09/17 15:41	10/10/17 14:26	1
delta-BHC	ND		0.050	0.010	ug/L		10/09/17 15:41	10/10/17 14:26	1
Dieldrin	ND		0.050	0.0098	ug/L		10/09/17 15:41	10/10/17 14:26	1
Endosulfan I	ND		0.050	0.011	ug/L		10/09/17 15:41	10/10/17 14:26	1
Endosulfan II	ND		0.050	0.012	ug/L		10/09/17 15:41	10/10/17 14:26	1
Endosulfan sulfate	ND		0.050	0.016	ug/L		10/09/17 15:41	10/10/17 14:26	1
Endrin	ND		0.050	0.014	ug/L		10/09/17 15:41	10/10/17 14:26	1
Endrin aldehyde	ND		0.050	0.016	ug/L		10/09/17 15:41	10/10/17 14:26	1
Endrin ketone	ND		0.050	0.012	ug/L		10/09/17 15:41	10/10/17 14:26	1
gamma-BHC (Lindane)	ND		0.050	0.0080	ug/L		10/09/17 15:41	10/10/17 14:26	1
gamma-Chlordane	ND		0.050	0.011	ug/L		10/09/17 15:41	10/10/17 14:26	1
Heptachlor	ND		0.050	0.0085	ug/L		10/09/17 15:41	10/10/17 14:26	1
Heptachlor epoxide	ND		0.050	0.0074	ug/L		10/09/17 15:41	10/10/17 14:26	1
Methoxychlor	ND		0.050	0.014	ug/L		10/09/17 15:41	10/10/17 14:26	1
Toxaphene	ND		0.50	0.12	ug/L		10/09/17 15:41	10/10/17 14:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	64		20 - 120	10/09/17 15:41	10/10/17 14:26	1
Tetrachloro-m-xylene	88		44 - 120	10/09/17 15:41	10/10/17 14:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.53	0.19	ug/L		10/10/17 14:43	10/11/17 20:07	1
PCB-1221	ND		0.53	0.19	ug/L		10/10/17 14:43	10/11/17 20:07	1
PCB-1232	ND		0.53	0.19	ug/L		10/10/17 14:43	10/11/17 20:07	1
PCB-1242	ND		0.53	0.19	ug/L		10/10/17 14:43	10/11/17 20:07	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-125448-1

Client Sample ID: S-1

Lab Sample ID: 480-125448-9

Date Collected: 10/06/17 09:00

Matrix: Water

Date Received: 10/06/17 13:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1248	0.49	J	0.53	0.19	ug/L		10/10/17 14:43	10/11/17 20:07	1
PCB-1254	ND		0.53	0.27	ug/L		10/10/17 14:43	10/11/17 20:07	1
PCB-1260	ND		0.53	0.27	ug/L		10/10/17 14:43	10/11/17 20:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	49		19 - 120				10/10/17 14:43	10/11/17 20:07	1
Tetrachloro-m-xylene	65		39 - 121				10/10/17 14:43	10/11/17 20:07	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.41		0.20	0.060	mg/L		10/10/17 09:05	10/11/17 03:21	1
Antimony	ND		0.020	0.0068	mg/L		10/10/17 09:05	10/11/17 03:21	1
Arsenic	ND		0.010	0.0056	mg/L		10/10/17 09:05	10/11/17 03:21	1
Barium	0.044		0.0020	0.00070	mg/L		10/10/17 09:05	10/11/17 03:21	1
Beryllium	ND		0.0020	0.00030	mg/L		10/10/17 09:05	10/11/17 03:21	1
Cadmium	ND		0.0010	0.00050	mg/L		10/10/17 09:05	10/11/17 03:21	1
Calcium	74.8		0.50	0.10	mg/L		10/10/17 09:05	10/11/17 03:21	1
Chromium	ND		0.0040	0.0010	mg/L		10/10/17 09:05	10/11/17 03:21	1
Cobalt	ND		0.0040	0.00063	mg/L		10/10/17 09:05	10/11/17 03:21	1
Copper	ND		0.010	0.0016	mg/L		10/10/17 09:05	10/11/17 03:21	1
Iron	0.036	J	0.050	0.019	mg/L		10/10/17 09:05	10/11/17 03:21	1
Lead	ND		0.0050	0.0030	mg/L		10/10/17 09:05	10/11/17 03:21	1
Magnesium	0.061	J	0.20	0.043	mg/L		10/10/17 09:05	10/11/17 03:21	1
Manganese	ND		0.0030	0.00040	mg/L		10/10/17 09:05	10/11/17 03:21	1
Nickel	0.0014	J	0.010	0.0013	mg/L		10/10/17 09:05	10/11/17 03:21	1
Potassium	59.4		0.50	0.10	mg/L		10/10/17 09:05	10/11/17 03:21	1
Selenium	ND		0.015	0.0087	mg/L		10/10/17 09:05	10/11/17 03:21	1
Silver	ND		0.0030	0.0017	mg/L		10/10/17 09:05	10/11/17 03:21	1
Sodium	112		1.0	0.32	mg/L		10/10/17 09:05	10/11/17 03:21	1
Thallium	ND		0.020	0.010	mg/L		10/10/17 09:05	10/11/17 03:21	1
Vanadium	0.0070		0.0050	0.0015	mg/L		10/10/17 09:05	10/11/17 03:21	1
Zinc	0.0024	J	0.010	0.0015	mg/L		10/10/17 09:05	10/11/17 03:21	1

Method: 7470A_ASP - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		10/10/17 12:20	10/10/17 16:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.024		0.010	0.0050	mg/L		10/17/17 04:10	10/17/17 13:04	1

Client Sample ID: S-2

Lab Sample ID: 480-125448-10

Date Collected: 10/06/17 09:30

Matrix: Water

Date Received: 10/06/17 13:50

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/17/17 12:48	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/17/17 12:48	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/17/17 12:48	1
1,1-Dichloroethane	0.56	J	1.0	0.38	ug/L			10/17/17 12:48	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-125448-1

Client Sample ID: S-2

Lab Sample ID: 480-125448-10

Date Collected: 10/06/17 09:30

Matrix: Water

Date Received: 10/06/17 13:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/17/17 12:48	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/17/17 12:48	1
1,2-Dichloroethene, Total	17		2.0	0.81	ug/L			10/17/17 12:48	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/17/17 12:48	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/17/17 12:48	1
2-Hexanone	ND		5.0	1.2	ug/L			10/17/17 12:48	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/17/17 12:48	1
Acetone	5.2 J		10	3.0	ug/L			10/17/17 12:48	1
Benzene	0.64 J		1.0	0.41	ug/L			10/17/17 12:48	1
Bromoform	ND		1.0	0.26	ug/L			10/17/17 12:48	1
Bromomethane	ND		1.0	0.69	ug/L			10/17/17 12:48	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/17/17 12:48	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/17/17 12:48	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/17/17 12:48	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/17/17 12:48	1
Chloroethane	ND		1.0	0.32	ug/L			10/17/17 12:48	1
Chloroform	ND		1.0	0.34	ug/L			10/17/17 12:48	1
Chloromethane	ND		1.0	0.35	ug/L			10/17/17 12:48	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/17/17 12:48	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/17/17 12:48	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/17/17 12:48	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/17/17 12:48	1
Toluene	ND		1.0	0.51	ug/L			10/17/17 12:48	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/17/17 12:48	1
Trichloroethene	2.9		1.0	0.46	ug/L			10/17/17 12:48	1
Vinyl chloride	2.8		1.0	0.90	ug/L			10/17/17 12:48	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/17/17 12:48	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/17/17 12:48	1
Styrene	ND		1.0	0.73	ug/L			10/17/17 12:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		77 - 120					10/17/17 12:48	1
4-Bromofluorobenzene (Surr)	88		73 - 120					10/17/17 12:48	1
Toluene-d8 (Surr)	100		80 - 120					10/17/17 12:48	1
Dibromofluoromethane (Surr)	94		75 - 123					10/17/17 12:48	1

Method: 8270D - 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		10/10/17 07:45	10/12/17 05:45	1
1,2,4-Trichlorobenzene	ND		10	0.44	ug/L		10/10/17 07:45	10/12/17 05:45	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		10/10/17 07:45	10/12/17 05:45	1
1,2-Dichlorobenzene	ND		10	0.40	ug/L		10/10/17 07:45	10/12/17 05:45	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		10/10/17 07:45	10/12/17 05:45	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		10/10/17 07:45	10/12/17 05:45	1
2,4-Dimethylphenol	3.4 J		5.0	0.50	ug/L		10/10/17 07:45	10/12/17 05:45	1
1,3-Dichlorobenzene	ND		10	0.48	ug/L		10/10/17 07:45	10/12/17 05:45	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		10/10/17 07:45	10/12/17 05:45	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		10/10/17 07:45	10/12/17 05:45	1
1,4-Dichlorobenzene	ND		10	0.46	ug/L		10/10/17 07:45	10/12/17 05:45	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		10/10/17 07:45	10/12/17 05:45	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-125448-1

Client Sample ID: S-2

Lab Sample ID: 480-125448-10

Date Collected: 10/06/17 09:30

Matrix: Water

Date Received: 10/06/17 13:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chloronaphthalene	ND		5.0	0.46	ug/L		10/10/17 07:45	10/12/17 05:45	1
2-Chlorophenol	ND		5.0	0.53	ug/L		10/10/17 07:45	10/12/17 05:45	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		10/10/17 07:45	10/12/17 05:45	1
2-Methylphenol	1.4	J	5.0	0.40	ug/L		10/10/17 07:45	10/12/17 05:45	1
2-Nitroaniline	ND		10	0.42	ug/L		10/10/17 07:45	10/12/17 05:45	1
2-Nitrophenol	ND		5.0	0.48	ug/L		10/10/17 07:45	10/12/17 05:45	1
3,3'-Dichlorobenzidine	ND	*	5.0	0.40	ug/L		10/10/17 07:45	10/12/17 05:45	1
3-Nitroaniline	ND	*	10	0.48	ug/L		10/10/17 07:45	10/12/17 05:45	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		10/10/17 07:45	10/12/17 05:45	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		10/10/17 07:45	10/12/17 05:45	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		10/10/17 07:45	10/12/17 05:45	1
4-Chloroaniline	ND		5.0	0.59	ug/L		10/10/17 07:45	10/12/17 05:45	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		10/10/17 07:45	10/12/17 05:45	1
4-Methylphenol	3.1	J	10	0.36	ug/L		10/10/17 07:45	10/12/17 05:45	1
4-Nitroaniline	ND	*	10	0.25	ug/L		10/10/17 07:45	10/12/17 05:45	1
4-Nitrophenol	ND		10	1.5	ug/L		10/10/17 07:45	10/12/17 05:45	1
Acenaphthene	ND		5.0	0.41	ug/L		10/10/17 07:45	10/12/17 05:45	1
Acenaphthylene	ND		5.0	0.38	ug/L		10/10/17 07:45	10/12/17 05:45	1
Anthracene	ND		5.0	0.28	ug/L		10/10/17 07:45	10/12/17 05:45	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		10/10/17 07:45	10/12/17 05:45	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		10/10/17 07:45	10/12/17 05:45	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		10/10/17 07:45	10/12/17 05:45	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		10/10/17 07:45	10/12/17 05:45	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		10/10/17 07:45	10/12/17 05:45	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		10/10/17 07:45	10/12/17 05:45	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		10/10/17 07:45	10/12/17 05:45	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		10/10/17 07:45	10/12/17 05:45	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		10/10/17 07:45	10/12/17 05:45	1
Carbazole	ND	*	5.0	0.30	ug/L		10/10/17 07:45	10/12/17 05:45	1
Chrysene	ND		5.0	0.33	ug/L		10/10/17 07:45	10/12/17 05:45	1
Di-n-butyl phthalate	0.48	J	5.0	0.31	ug/L		10/10/17 07:45	10/12/17 05:45	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		10/10/17 07:45	10/12/17 05:45	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		10/10/17 07:45	10/12/17 05:45	1
Dibenzofuran	ND		10	0.51	ug/L		10/10/17 07:45	10/12/17 05:45	1
Diethyl phthalate	ND		5.0	0.22	ug/L		10/10/17 07:45	10/12/17 05:45	1
Dimethyl phthalate	ND	*	5.0	0.36	ug/L		10/10/17 07:45	10/12/17 05:45	1
Fluoranthene	ND		5.0	0.40	ug/L		10/10/17 07:45	10/12/17 05:45	1
Fluorene	ND		5.0	0.36	ug/L		10/10/17 07:45	10/12/17 05:45	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		10/10/17 07:45	10/12/17 05:45	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		10/10/17 07:45	10/12/17 05:45	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		10/10/17 07:45	10/12/17 05:45	1
Hexachloroethane	ND		5.0	0.59	ug/L		10/10/17 07:45	10/12/17 05:45	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		10/10/17 07:45	10/12/17 05:45	1
Isophorone	ND		5.0	0.43	ug/L		10/10/17 07:45	10/12/17 05:45	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		10/10/17 07:45	10/12/17 05:45	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		10/10/17 07:45	10/12/17 05:45	1
Naphthalene	ND		5.0	0.76	ug/L		10/10/17 07:45	10/12/17 05:45	1
Nitrobenzene	ND		5.0	0.29	ug/L		10/10/17 07:45	10/12/17 05:45	1
Pentachlorophenol	ND		10	2.2	ug/L		10/10/17 07:45	10/12/17 05:45	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-125448-1

Client Sample ID: S-2

Lab Sample ID: 480-125448-10

Date Collected: 10/06/17 09:30

Matrix: Water

Date Received: 10/06/17 13:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenanthrene	0.57	J	5.0	0.44	ug/L		10/10/17 07:45	10/12/17 05:45	1
Phenol	0.51	J	5.0	0.39	ug/L		10/10/17 07:45	10/12/17 05:45	1
Pyrene	ND		5.0	0.34	ug/L		10/10/17 07:45	10/12/17 05:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	117		41 - 120	10/10/17 07:45	10/12/17 05:45	1
2-Fluorobiphenyl	90		48 - 120	10/10/17 07:45	10/12/17 05:45	1
2-Fluorophenol	72		35 - 120	10/10/17 07:45	10/12/17 05:45	1
Nitrobenzene-d5	95		46 - 120	10/10/17 07:45	10/12/17 05:45	1
p-Terphenyl-d14	102		59 - 136	10/10/17 07:45	10/12/17 05:45	1
Phenol-d5	52		22 - 120	10/10/17 07:45	10/12/17 05:45	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.050	0.0092	ug/L		10/09/17 15:41	10/10/17 14:46	1
4,4'-DDE	ND		0.050	0.012	ug/L		10/09/17 15:41	10/10/17 14:46	1
4,4'-DDT	0.014	J	0.050	0.011	ug/L		10/09/17 15:41	10/10/17 14:46	1
Aldrin	ND		0.050	0.0081	ug/L		10/09/17 15:41	10/10/17 14:46	1
alpha-BHC	ND		0.050	0.0077	ug/L		10/09/17 15:41	10/10/17 14:46	1
alpha-Chlordane	ND		0.050	0.015	ug/L		10/09/17 15:41	10/10/17 14:46	1
beta-BHC	ND		0.050	0.025	ug/L		10/09/17 15:41	10/10/17 14:46	1
delta-BHC	ND		0.050	0.010	ug/L		10/09/17 15:41	10/10/17 14:46	1
Dieldrin	ND		0.050	0.0098	ug/L		10/09/17 15:41	10/10/17 14:46	1
Endosulfan I	ND		0.050	0.011	ug/L		10/09/17 15:41	10/10/17 14:46	1
Endosulfan II	ND		0.050	0.012	ug/L		10/09/17 15:41	10/10/17 14:46	1
Endosulfan sulfate	ND		0.050	0.016	ug/L		10/09/17 15:41	10/10/17 14:46	1
Endrin	ND		0.050	0.014	ug/L		10/09/17 15:41	10/10/17 14:46	1
Endrin aldehyde	ND		0.050	0.016	ug/L		10/09/17 15:41	10/10/17 14:46	1
Endrin ketone	ND		0.050	0.012	ug/L		10/09/17 15:41	10/10/17 14:46	1
gamma-BHC (Lindane)	0.011	J	0.050	0.0080	ug/L		10/09/17 15:41	10/10/17 14:46	1
gamma-Chlordane	ND		0.050	0.011	ug/L		10/09/17 15:41	10/10/17 14:46	1
Heptachlor	ND		0.050	0.0085	ug/L		10/09/17 15:41	10/10/17 14:46	1
Heptachlor epoxide	ND		0.050	0.0074	ug/L		10/09/17 15:41	10/10/17 14:46	1
Methoxychlor	ND		0.050	0.014	ug/L		10/09/17 15:41	10/10/17 14:46	1
Toxaphene	ND		0.50	0.12	ug/L		10/09/17 15:41	10/10/17 14:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	73		20 - 120	10/09/17 15:41	10/10/17 14:46	1
Tetrachloro-m-xylene	86		44 - 120	10/09/17 15:41	10/10/17 14:46	1

Method: 8082A - 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		10/10/17 14:43	10/11/17 20:23	1
PCB-1221	ND		0.50	0.18	ug/L		10/10/17 14:43	10/11/17 20:23	1
PCB-1232	ND		0.50	0.18	ug/L		10/10/17 14:43	10/11/17 20:23	1
PCB-1242	ND		0.50	0.18	ug/L		10/10/17 14:43	10/11/17 20:23	1
PCB-1248	0.19	J	0.50	0.18	ug/L		10/10/17 14:43	10/11/17 20:23	1
PCB-1254	ND		0.50	0.25	ug/L		10/10/17 14:43	10/11/17 20:23	1
PCB-1260	ND		0.50	0.25	ug/L		10/10/17 14:43	10/11/17 20:23	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-125448-1

Client Sample ID: S-2

Date Collected: 10/06/17 09:30

Date Received: 10/06/17 13:50

Lab Sample ID: 480-125448-10

Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	65		19 - 120	10/10/17 14:43	10/11/17 20:23	1
Tetrachloro-m-xylene	67		39 - 121	10/10/17 14:43	10/11/17 20:23	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.32		0.20	0.060	mg/L		10/10/17 09:05	10/11/17 03:25	1
Antimony	ND		0.020	0.0068	mg/L		10/10/17 09:05	10/11/17 03:25	1
Arsenic	ND		0.010	0.0056	mg/L		10/10/17 09:05	10/11/17 03:25	1
Barium	0.071		0.0020	0.00070	mg/L		10/10/17 09:05	10/11/17 03:25	1
Beryllium	ND		0.0020	0.00030	mg/L		10/10/17 09:05	10/11/17 03:25	1
Cadmium	ND		0.0010	0.00050	mg/L		10/10/17 09:05	10/11/17 03:25	1
Calcium	111		0.50	0.10	mg/L		10/10/17 09:05	10/11/17 03:25	1
Chromium	ND		0.0040	0.0010	mg/L		10/10/17 09:05	10/11/17 03:25	1
Cobalt	ND		0.0040	0.00063	mg/L		10/10/17 09:05	10/11/17 03:25	1
Copper	ND		0.010	0.0016	mg/L		10/10/17 09:05	10/11/17 03:25	1
Iron	ND		0.050	0.019	mg/L		10/10/17 09:05	10/11/17 03:25	1
Lead	ND		0.0050	0.0030	mg/L		10/10/17 09:05	10/11/17 03:25	1
Magnesium	ND		0.20	0.043	mg/L		10/10/17 09:05	10/11/17 03:25	1
Manganese	ND		0.0030	0.00040	mg/L		10/10/17 09:05	10/11/17 03:25	1
Nickel	ND		0.010	0.0013	mg/L		10/10/17 09:05	10/11/17 03:25	1
Potassium	35.2		0.50	0.10	mg/L		10/10/17 09:05	10/11/17 03:25	1
Selenium	ND		0.015	0.0087	mg/L		10/10/17 09:05	10/11/17 03:25	1
Silver	ND		0.0030	0.0017	mg/L		10/10/17 09:05	10/11/17 03:25	1
Sodium	53.1		1.0	0.32	mg/L		10/10/17 09:05	10/11/17 03:25	1
Thallium	ND		0.020	0.010	mg/L		10/10/17 09:05	10/11/17 03:25	1
Vanadium	0.0047	J	0.0050	0.0015	mg/L		10/10/17 09:05	10/11/17 03:25	1
Zinc	0.0018	J	0.010	0.0015	mg/L		10/10/17 09:05	10/11/17 03:25	1

Method: 7470A_ASP - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		10/10/17 12:20	10/10/17 16:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.010		0.010	0.0050	mg/L		10/15/17 11:00	10/16/17 11:21	1

TestAmerica Buffalo

Surrogate Summary

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

TestAmerica Job ID: 480-125448-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		12DCE (77-120)	BFB (73-120)	TOL (80-120)	DBFM (75-123)
480-125448-1	S-4	96	99	96	96
480-125448-2	S-3	98	101	98	99
480-125448-3	MW-4	113	100	104	98
480-125448-3 MS	MW-4	115	99	101	100
480-125448-3 MSD	MW-4	115	101	102	99
480-125448-4	MW-5	115	99	103	98
480-125448-5	MW-6	117	97	104	101
480-125448-6	DUP	112	95	98	98
480-125448-7	RW-4	120	98	101	104
480-125448-8	RW-5	115	97	102	99
480-125448-9	S-1	97	94	99	99
480-125448-10	S-2	97	88	100	94
LCS 480-381807/4	Lab Control Sample	97	101	98	97
LCS 480-381812/6	Lab Control Sample	113	98	102	101
LCS 480-382072/4	Lab Control Sample	92	102	102	97
LCS 480-382161/5	Lab Control Sample	90	87	101	89
MB 480-381807/6	Method Blank	95	99	97	97
MB 480-381812/8	Method Blank	111	97	102	98
MB 480-382072/6	Method Blank	98	93	99	99
MB 480-382161/8	Method Blank	94	90	104	89

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

TOL = Toluene-d8 (Surr)

DBFM = Dibromofluoromethane (Surr)

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (41-120)	FBP (48-120)	2FP (35-120)	NBZ (46-120)	TPH (59-136)	PHL (22-120)
480-125448-1	S-4	117	102	76	108	79	57
480-125448-2	S-3	99	92	69	25 X *	96	51
480-125448-2 - DL	S-3	100	96	66	63	88	50
480-125448-3	MW-4	91	105	70	104	90	54
480-125448-3 MS	MW-4	111	104	79	107	79	66
480-125448-3 MSD	MW-4	109	99	71	102	66	57
480-125448-4	MW-5	115	100	80	104	93	60
480-125448-5	MW-6	222 X	203 X	158 X	215 X	168 X	124 X
480-125448-6	DUP	114	100	77	103	96	61
480-125448-7	RW-4	108	98	74	104	88	55
480-125448-8	RW-5	101	95	71	98	90	52
480-125448-9	S-1	118	97	72	85	100	53
480-125448-10	S-2	117	90	72	95	102	52
LCS 480-380986/2-A	Lab Control Sample	116	100	81	106	113	65
MB 480-380986/1-A	Method Blank	81	89	73	103	110	54

Surrogate Legend

TestAmerica Buffalo

Surrogate Summary

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

TestAmerica Job ID: 480-125448-1

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

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DCB1 (20-120)	TCX1 (44-120)
480-125448-1	S-4	83	195 X
480-125448-2	S-3	63	84
480-125448-9	S-1	64	88
480-125448-10	S-2	73	86
LCS 480-380905/2-A	Lab Control Sample	61	88
MB 480-380905/1-A	Method Blank	65	102

Surrogate Legend

DCB = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Method: 8082A - 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 (39-121)
480-125448-1	S-4	52	66
480-125448-2	S-3	43	75
480-125448-3	MW-4	39	64
480-125448-3 MS	MW-4	58	72
480-125448-3 MSD	MW-4	63	86
480-125448-4	MW-5	51	71
480-125448-5	MW-6	53	66
480-125448-6	DUP	48	64
480-125448-7	RW-4	63	76
480-125448-8	RW-5	55	64
480-125448-9	S-1	49	65
480-125448-10	S-2	65	67
LCS 480-381140/2-A	Lab Control Sample	41	82
MB 480-381140/1-A	Method Blank	42	75

Surrogate Legend

DCB = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-125448-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-381807/6

Matrix: Water

Analysis Batch: 381807

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			10/14/17 10:51	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/14/17 10:51	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/14/17 10:51	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/14/17 10:51	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/14/17 10:51	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/14/17 10:51	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/14/17 10:51	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/14/17 10:51	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/14/17 10:51	1
2-Hexanone	ND		5.0	1.2	ug/L			10/14/17 10:51	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/14/17 10:51	1
Acetone	ND		10	3.0	ug/L			10/14/17 10:51	1
Benzene	ND		1.0	0.41	ug/L			10/14/17 10:51	1
Bromoform	ND		1.0	0.26	ug/L			10/14/17 10:51	1
Bromomethane	ND		1.0	0.69	ug/L			10/14/17 10:51	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/14/17 10:51	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/14/17 10:51	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/14/17 10:51	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/14/17 10:51	1
Chloroethane	ND		1.0	0.32	ug/L			10/14/17 10:51	1
Chloroform	ND		1.0	0.34	ug/L			10/14/17 10:51	1
Chloromethane	ND		1.0	0.35	ug/L			10/14/17 10:51	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/14/17 10:51	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/14/17 10:51	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/14/17 10:51	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/14/17 10:51	1
Toluene	ND		1.0	0.51	ug/L			10/14/17 10:51	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/14/17 10:51	1
Trichloroethene	ND		1.0	0.46	ug/L			10/14/17 10:51	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/14/17 10:51	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/14/17 10:51	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/14/17 10:51	1
Styrene	ND		1.0	0.73	ug/L			10/14/17 10:51	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		77 - 120		10/14/17 10:51	1
4-Bromofluorobenzene (Surr)	99		73 - 120		10/14/17 10:51	1
Toluene-d8 (Surr)	97		80 - 120		10/14/17 10:51	1
Dibromofluoromethane (Surr)	97		75 - 123		10/14/17 10:51	1

Lab Sample ID: LCS 480-381807/4

Matrix: Water

Analysis Batch: 381807

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	27.6		ug/L		110	73 - 126
1,1,2,2-Tetrachloroethane	25.0	26.1		ug/L		104	76 - 120
1,1,2-Trichloroethane	25.0	26.8		ug/L		107	76 - 122

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-125448-1

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

Lab Sample ID: LCS 480-381807/4

Matrix: Water

Analysis Batch: 381807

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	25.0	27.1		ug/L		108	77 - 120
1,1-Dichloroethene	25.0	26.8		ug/L		107	66 - 127
1,2-Dichloroethane	25.0	26.7		ug/L		107	75 - 120
1,2-Dichloropropane	25.0	27.7		ug/L		111	76 - 120
2-Butanone (MEK)	125	137		ug/L		109	57 - 140
2-Hexanone	125	135		ug/L		108	65 - 127
4-Methyl-2-pentanone (MIBK)	125	132		ug/L		105	71 - 125
Acetone	125	148		ug/L		118	56 - 142
Benzene	25.0	27.0		ug/L		108	71 - 124
Bromoform	25.0	26.9		ug/L		108	61 - 132
Bromomethane	25.0	24.4		ug/L		97	55 - 144
Carbon disulfide	25.0	27.3		ug/L		109	59 - 134
Carbon tetrachloride	25.0	28.4		ug/L		114	72 - 134
Chlorobenzene	25.0	27.5		ug/L		110	80 - 120
Dibromochloromethane	25.0	26.6		ug/L		106	75 - 125
Chloroethane	25.0	22.5		ug/L		90	69 - 136
Chloroform	25.0	26.8		ug/L		107	73 - 127
Chloromethane	25.0	20.9		ug/L		84	68 - 124
Bromodichloromethane	25.0	26.8		ug/L		107	80 - 122
Ethylbenzene	25.0	27.2		ug/L		109	77 - 123
Methylene Chloride	25.0	24.9		ug/L		100	75 - 124
Tetrachloroethene	25.0	28.3		ug/L		113	74 - 122
Toluene	25.0	27.3		ug/L		109	80 - 122
trans-1,3-Dichloropropene	25.0	26.7		ug/L		107	80 - 120
Trichloroethene	25.0	27.2		ug/L		109	74 - 123
Vinyl chloride	25.0	22.6		ug/L		90	65 - 133
cis-1,3-Dichloropropene	25.0	27.3		ug/L		109	74 - 124
Styrene	25.0	26.8		ug/L		107	80 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	97		77 - 120
4-Bromofluorobenzene (Surr)	101		73 - 120
Toluene-d8 (Surr)	98		80 - 120
Dibromofluoromethane (Surr)	97		75 - 123

Lab Sample ID: MB 480-381812/8

Matrix: Water

Analysis Batch: 381812

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			10/14/17 11:12	1
1,1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/14/17 11:12	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/14/17 11:12	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/14/17 11:12	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/14/17 11:12	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/14/17 11:12	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/14/17 11:12	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/14/17 11:12	1

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-125448-1

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

Lab Sample ID: MB 480-381812/8

Matrix: Water

Analysis Batch: 381812

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		10	1.3	ug/L			10/14/17 11:12	1
2-Hexanone	ND		5.0	1.2	ug/L			10/14/17 11:12	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/14/17 11:12	1
Acetone	ND		10	3.0	ug/L			10/14/17 11:12	1
Benzene	ND		1.0	0.41	ug/L			10/14/17 11:12	1
Bromoform	ND		1.0	0.26	ug/L			10/14/17 11:12	1
Bromomethane	ND		1.0	0.69	ug/L			10/14/17 11:12	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/14/17 11:12	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/14/17 11:12	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/14/17 11:12	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/14/17 11:12	1
Chloroethane	ND		1.0	0.32	ug/L			10/14/17 11:12	1
Chloroform	ND		1.0	0.34	ug/L			10/14/17 11:12	1
Chloromethane	ND		1.0	0.35	ug/L			10/14/17 11:12	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/14/17 11:12	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/14/17 11:12	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/14/17 11:12	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/14/17 11:12	1
Toluene	ND		1.0	0.51	ug/L			10/14/17 11:12	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/14/17 11:12	1
Trichloroethene	ND		1.0	0.46	ug/L			10/14/17 11:12	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/14/17 11:12	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/14/17 11:12	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/14/17 11:12	1
Styrene	ND		1.0	0.73	ug/L			10/14/17 11:12	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		77 - 120		10/14/17 11:12	1
4-Bromofluorobenzene (Surr)	97		73 - 120		10/14/17 11:12	1
Toluene-d8 (Surr)	102		80 - 120		10/14/17 11:12	1
Dibromofluoromethane (Surr)	98		75 - 123		10/14/17 11:12	1

Lab Sample ID: LCS 480-381812/6

Matrix: Water

Analysis Batch: 381812

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	28.2		ug/L		113	73 - 126
1,1,2,2-Tetrachloroethane	25.0	26.6		ug/L		106	76 - 120
1,1,2-Trichloroethane	25.0	26.0		ug/L		104	76 - 122
1,1-Dichloroethane	25.0	27.0		ug/L		108	77 - 120
1,1-Dichloroethene	25.0	23.6		ug/L		95	66 - 127
1,2-Dichloroethane	25.0	29.1		ug/L		116	75 - 120
1,2-Dichloropropane	25.0	27.2		ug/L		109	76 - 120
2-Butanone (MEK)	125	143		ug/L		115	57 - 140
2-Hexanone	125	150		ug/L		120	65 - 127
4-Methyl-2-pentanone (MIBK)	125	142		ug/L		114	71 - 125
Acetone	125	148		ug/L		119	56 - 142

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-125448-1

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

Lab Sample ID: LCS 480-381812/6

Matrix: Water

Analysis Batch: 381812

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	25.0	24.6		ug/L		98	71 - 124
Bromoform	25.0	22.8		ug/L		91	61 - 132
Bromomethane	25.0	21.8		ug/L		87	55 - 144
Carbon disulfide	25.0	22.9		ug/L		92	59 - 134
Carbon tetrachloride	25.0	26.9		ug/L		107	72 - 134
Chlorobenzene	25.0	25.6		ug/L		102	80 - 120
Dibromochloromethane	25.0	25.3		ug/L		101	75 - 125
Chloroethane	25.0	25.8		ug/L		103	69 - 136
Chloroform	25.0	25.3		ug/L		101	73 - 127
Chloromethane	25.0	23.5		ug/L		94	68 - 124
Bromodichloromethane	25.0	25.9		ug/L		103	80 - 122
Ethylbenzene	25.0	26.9		ug/L		108	77 - 123
Methylene Chloride	25.0	25.2		ug/L		101	75 - 124
Tetrachloroethene	25.0	27.2		ug/L		109	74 - 122
Toluene	25.0	25.3		ug/L		101	80 - 122
trans-1,3-Dichloropropene	25.0	26.3		ug/L		105	80 - 120
Trichloroethene	25.0	25.3		ug/L		101	74 - 123
Vinyl chloride	25.0	24.3		ug/L		97	65 - 133
cis-1,3-Dichloropropene	25.0	24.4		ug/L		98	74 - 124
Styrene	25.0	25.2		ug/L		101	80 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	113		77 - 120
4-Bromofluorobenzene (Surr)	98		73 - 120
Toluene-d8 (Surr)	102		80 - 120
Dibromofluoromethane (Surr)	101		75 - 123

Lab Sample ID: 480-125448-3 MS

Matrix: Water

Analysis Batch: 381812

Client Sample ID: MW-4

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	ND	F1	25.0	32.6	F1	ug/L		130	73 - 126
1,1,2,2-Tetrachloroethane	ND		25.0	29.0		ug/L		116	76 - 120
1,1,2-Trichloroethane	ND		25.0	29.0		ug/L		116	76 - 122
1,1-Dichloroethane	ND	F1	25.0	31.3	F1	ug/L		125	77 - 120
1,1-Dichloroethene	ND		25.0	28.3		ug/L		113	66 - 127
1,2-Dichloroethane	ND	F1	25.0	33.1	F1	ug/L		132	75 - 120
1,2-Dichloropropane	ND	F1	25.0	32.1	F1	ug/L		128	76 - 120
2-Butanone (MEK)	ND		125	175		ug/L		140	57 - 140
2-Hexanone	ND	F1	125	191	F1	ug/L		153	65 - 127
4-Methyl-2-pentanone (MIBK)	ND	F1	125	163	F1	ug/L		130	71 - 125
Acetone	4.9	J	125	162		ug/L		126	56 - 142
Benzene	ND		25.0	28.0		ug/L		112	71 - 124
Bromoform	ND		25.0	25.6		ug/L		103	61 - 132
Bromomethane	ND		25.0	23.9		ug/L		96	55 - 144
Carbon disulfide	ND		25.0	24.3		ug/L		97	59 - 134
Carbon tetrachloride	ND		25.0	31.3		ug/L		125	72 - 134

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-125448-1

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

Lab Sample ID: 480-125448-3 MS

Matrix: Water

Analysis Batch: 381812

Client Sample ID: MW-4

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chlorobenzene	ND		25.0	28.9		ug/L		116	80 - 120
Dibromochloromethane	ND		25.0	27.8		ug/L		111	75 - 125
Chloroethane	ND		25.0	28.3		ug/L		113	69 - 136
Chloroform	ND		25.0	28.8		ug/L		115	73 - 127
Chloromethane	ND		25.0	27.9		ug/L		112	68 - 124
Bromodichloromethane	ND		25.0	29.1		ug/L		116	80 - 122
Ethylbenzene	ND	F1	25.0	30.5		ug/L		122	77 - 123
Methylene Chloride	ND		25.0	25.7		ug/L		103	75 - 124
Tetrachloroethene	ND	F1	25.0	28.7		ug/L		115	74 - 122
Toluene	ND		25.0	28.1		ug/L		112	80 - 122
trans-1,3-Dichloropropene	ND		25.0	28.0		ug/L		112	80 - 120
Trichloroethene	ND		25.0	30.0		ug/L		120	74 - 123
Vinyl chloride	ND		25.0	27.6		ug/L		110	65 - 133
cis-1,3-Dichloropropene	ND		25.0	26.9		ug/L		107	74 - 124
Styrene	ND		25.0	27.4		ug/L		109	80 - 120

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	115		77 - 120
4-Bromofluorobenzene (Surr)	99		73 - 120
Toluene-d8 (Surr)	101		80 - 120
Dibromofluoromethane (Surr)	100		75 - 123

Lab Sample ID: 480-125448-3 MSD

Matrix: Water

Analysis Batch: 381812

Client Sample ID: MW-4

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND	F1	25.0	33.4	F1	ug/L		133	73 - 126	2	15
1,1,1,2-Tetrachloroethane	ND		25.0	27.9		ug/L		112	76 - 120	4	15
1,1,2-Trichloroethane	ND		25.0	29.2		ug/L		117	76 - 122	1	15
1,1-Dichloroethane	ND	F1	25.0	31.8	F1	ug/L		127	77 - 120	2	20
1,1-Dichloroethene	ND		25.0	28.2		ug/L		113	66 - 127	0	16
1,2-Dichloroethane	ND	F1	25.0	32.5	F1	ug/L		130	75 - 120	2	20
1,2-Dichloropropane	ND	F1	25.0	30.2	F1	ug/L		121	76 - 120	6	20
2-Butanone (MEK)	ND		125	161		ug/L		129	57 - 140	8	20
2-Hexanone	ND	F1	125	178	F1	ug/L		143	65 - 127	7	15
4-Methyl-2-pentanone (MIBK)	ND	F1	125	163	F1	ug/L		130	71 - 125	0	35
Acetone	4.9	J	125	165		ug/L		128	56 - 142	2	15
Benzene	ND		25.0	28.1		ug/L		112	71 - 124	0	13
Bromoform	ND		25.0	25.2		ug/L		101	61 - 132	2	15
Bromomethane	ND		25.0	22.8		ug/L		91	55 - 144	5	15
Carbon disulfide	ND		25.0	26.3		ug/L		105	59 - 134	8	15
Carbon tetrachloride	ND		25.0	32.6		ug/L		131	72 - 134	4	15
Chlorobenzene	ND		25.0	29.8		ug/L		119	80 - 120	3	25
Dibromochloromethane	ND		25.0	27.9		ug/L		112	75 - 125	0	15
Chloroethane	ND		25.0	28.8		ug/L		115	69 - 136	2	15
Chloroform	ND		25.0	29.6		ug/L		118	73 - 127	3	20
Chloromethane	ND		25.0	27.1		ug/L		108	68 - 124	3	15

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-125448-1

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

Lab Sample ID: 480-125448-3 MSD

Matrix: Water

Analysis Batch: 381812

Client Sample ID: MW-4

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bromodichloromethane	ND		25.0	28.5		ug/L		114	80 - 122	2	15
Ethylbenzene	ND	F1	25.0	31.4	F1	ug/L		126	77 - 123	3	15
Methylene Chloride	ND		25.0	26.2		ug/L		105	75 - 124	2	15
Tetrachloroethene	ND	F1	25.0	32.7	F1	ug/L		131	74 - 122	13	20
Toluene	ND		25.0	29.0		ug/L		116	80 - 122	3	15
trans-1,3-Dichloropropene	ND		25.0	27.7		ug/L		111	80 - 120	1	15
Trichloroethene	ND		25.0	29.8		ug/L		119	74 - 123	1	16
Vinyl chloride	ND		25.0	27.3		ug/L		109	65 - 133	1	15
cis-1,3-Dichloropropene	ND		25.0	26.0		ug/L		104	74 - 124	3	15
Styrene	ND		25.0	26.0		ug/L		104	80 - 120	5	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	115		77 - 120
4-Bromofluorobenzene (Surr)	101		73 - 120
Toluene-d8 (Surr)	102		80 - 120
Dibromofluoromethane (Surr)	99		75 - 123

Lab Sample ID: MB 480-382072/6

Matrix: Water

Analysis Batch: 382072

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			10/16/17 22:38	1
1,1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/16/17 22:38	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/16/17 22:38	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/16/17 22:38	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/16/17 22:38	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/16/17 22:38	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/16/17 22:38	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/16/17 22:38	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/16/17 22:38	1
2-Hexanone	ND		5.0	1.2	ug/L			10/16/17 22:38	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/16/17 22:38	1
Acetone	ND		10	3.0	ug/L			10/16/17 22:38	1
Benzene	ND		1.0	0.41	ug/L			10/16/17 22:38	1
Bromoform	ND		1.0	0.26	ug/L			10/16/17 22:38	1
Bromomethane	ND		1.0	0.69	ug/L			10/16/17 22:38	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/16/17 22:38	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/16/17 22:38	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/16/17 22:38	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/16/17 22:38	1
Chloroethane	ND		1.0	0.32	ug/L			10/16/17 22:38	1
Chloroform	ND		1.0	0.34	ug/L			10/16/17 22:38	1
Chloromethane	ND		1.0	0.35	ug/L			10/16/17 22:38	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/16/17 22:38	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/16/17 22:38	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/16/17 22:38	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/16/17 22:38	1

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-125448-1

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

Lab Sample ID: MB 480-382072/6

Matrix: Water

Analysis Batch: 382072

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		1.0	0.51	ug/L			10/16/17 22:38	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/16/17 22:38	1
Trichloroethene	ND		1.0	0.46	ug/L			10/16/17 22:38	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/16/17 22:38	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/16/17 22:38	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/16/17 22:38	1
Styrene	ND		1.0	0.73	ug/L			10/16/17 22:38	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		77 - 120					10/16/17 22:38	1
4-Bromofluorobenzene (Surr)	93		73 - 120					10/16/17 22:38	1
Toluene-d8 (Surr)	99		80 - 120					10/16/17 22:38	1
Dibromofluoromethane (Surr)	99		75 - 123					10/16/17 22:38	1

Lab Sample ID: LCS 480-382072/4

Matrix: Water

Analysis Batch: 382072

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	23.2		ug/L		93	73 - 126
1,1,2,2-Tetrachloroethane	25.0	26.6		ug/L		106	76 - 120
1,1,2-Trichloroethane	25.0	28.2		ug/L		113	76 - 122
1,1-Dichloroethane	25.0	25.8		ug/L		103	77 - 120
1,1-Dichloroethene	25.0	25.3		ug/L		101	66 - 127
1,2-Dichloroethane	25.0	23.7		ug/L		95	75 - 120
1,2-Dichloropropane	25.0	27.2		ug/L		109	76 - 120
2-Butanone (MEK)	125	128		ug/L		103	57 - 140
2-Hexanone	125	139		ug/L		111	65 - 127
4-Methyl-2-pentanone (MIBK)	125	138		ug/L		110	71 - 125
Acetone	125	145		ug/L		116	56 - 142
Benzene	25.0	28.0		ug/L		112	71 - 124
Bromoform	25.0	25.6		ug/L		102	61 - 132
Bromomethane	25.0	23.3		ug/L		93	55 - 144
Carbon disulfide	25.0	24.1		ug/L		96	59 - 134
Carbon tetrachloride	25.0	22.8		ug/L		91	72 - 134
Chlorobenzene	25.0	27.6		ug/L		110	80 - 120
Dibromochloromethane	25.0	26.2		ug/L		105	75 - 125
Chloroethane	25.0	26.7		ug/L		107	69 - 136
Chloroform	25.0	25.2		ug/L		101	73 - 127
Chloromethane	25.0	26.8		ug/L		107	68 - 124
Bromodichloromethane	25.0	25.6		ug/L		102	80 - 122
Ethylbenzene	25.0	27.2		ug/L		109	77 - 123
Methylene Chloride	25.0	25.8		ug/L		103	75 - 124
Tetrachloroethene	25.0	28.1		ug/L		112	74 - 122
Toluene	25.0	27.2		ug/L		109	80 - 122
trans-1,3-Dichloropropene	25.0	26.2		ug/L		105	80 - 120
Trichloroethene	25.0	25.6		ug/L		102	74 - 123
Vinyl chloride	25.0	26.8		ug/L		107	65 - 133

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-125448-1

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

Lab Sample ID: LCS 480-382072/4

Matrix: Water

Analysis Batch: 382072

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,3-Dichloropropene	25.0	25.7		ug/L		103	74 - 124
Styrene	25.0	27.3		ug/L		109	80 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	92		77 - 120
4-Bromofluorobenzene (Surr)	102		73 - 120
Toluene-d8 (Surr)	102		80 - 120
Dibromofluoromethane (Surr)	97		75 - 123

Lab Sample ID: MB 480-382161/8

Matrix: Water

Analysis Batch: 382161

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			10/17/17 11:02	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/17/17 11:02	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/17/17 11:02	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/17/17 11:02	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/17/17 11:02	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/17/17 11:02	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/17/17 11:02	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/17/17 11:02	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/17/17 11:02	1
2-Hexanone	ND		5.0	1.2	ug/L			10/17/17 11:02	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/17/17 11:02	1
Acetone	ND		10	3.0	ug/L			10/17/17 11:02	1
Benzene	ND		1.0	0.41	ug/L			10/17/17 11:02	1
Bromoform	ND		1.0	0.26	ug/L			10/17/17 11:02	1
Bromomethane	ND		1.0	0.69	ug/L			10/17/17 11:02	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/17/17 11:02	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/17/17 11:02	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/17/17 11:02	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/17/17 11:02	1
Chloroethane	ND		1.0	0.32	ug/L			10/17/17 11:02	1
Chloroform	ND		1.0	0.34	ug/L			10/17/17 11:02	1
Chloromethane	ND		1.0	0.35	ug/L			10/17/17 11:02	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/17/17 11:02	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/17/17 11:02	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/17/17 11:02	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/17/17 11:02	1
Toluene	ND		1.0	0.51	ug/L			10/17/17 11:02	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/17/17 11:02	1
Trichloroethene	ND		1.0	0.46	ug/L			10/17/17 11:02	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/17/17 11:02	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/17/17 11:02	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/17/17 11:02	1
Styrene	ND		1.0	0.73	ug/L			10/17/17 11:02	1

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-125448-1

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

Lab Sample ID: MB 480-382161/8

Matrix: Water

Analysis Batch: 382161

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		77 - 120		10/17/17 11:02	1
4-Bromofluorobenzene (Surr)	90		73 - 120		10/17/17 11:02	1
Toluene-d8 (Surr)	104		80 - 120		10/17/17 11:02	1
Dibromofluoromethane (Surr)	89		75 - 123		10/17/17 11:02	1

Lab Sample ID: LCS 480-382161/5

Matrix: Water

Analysis Batch: 382161

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	22.0		ug/L		88	73 - 126
1,1,2,2-Tetrachloroethane	25.0	27.3		ug/L		109	76 - 120
1,1,2-Trichloroethane	25.0	26.5		ug/L		106	76 - 122
1,1-Dichloroethane	25.0	25.2		ug/L		101	77 - 120
1,1-Dichloroethene	25.0	23.3		ug/L		93	66 - 127
1,2-Dichloroethane	25.0	23.5		ug/L		94	75 - 120
1,2-Dichloropropane	25.0	23.7		ug/L		95	76 - 120
2-Butanone (MEK)	125	121		ug/L		96	57 - 140
2-Hexanone	125	133		ug/L		106	65 - 127
4-Methyl-2-pentanone (MIBK)	125	125		ug/L		100	71 - 125
Acetone	125	158		ug/L		126	56 - 142
Benzene	25.0	26.0		ug/L		104	71 - 124
Bromoform	25.0	15.6		ug/L		62	61 - 132
Bromomethane	25.0	21.9		ug/L		88	55 - 144
Carbon disulfide	25.0	26.7		ug/L		107	59 - 134
Carbon tetrachloride	25.0	18.2		ug/L		73	72 - 134
Chlorobenzene	25.0	26.0		ug/L		104	80 - 120
Dibromochloromethane	25.0	19.0		ug/L		76	75 - 125
Chloroethane	25.0	25.1		ug/L		100	69 - 136
Chloroform	25.0	23.5		ug/L		94	73 - 127
Chloromethane	25.0	23.3		ug/L		93	68 - 124
Bromodichloromethane	25.0	21.2		ug/L		85	80 - 122
Ethylbenzene	25.0	27.4		ug/L		110	77 - 123
Methylene Chloride	25.0	22.3		ug/L		89	75 - 124
Tetrachloroethene	25.0	25.9		ug/L		104	74 - 122
Toluene	25.0	27.0		ug/L		108	80 - 122
trans-1,3-Dichloropropene	25.0	25.8		ug/L		103	80 - 120
Trichloroethene	25.0	23.9		ug/L		96	74 - 123
Vinyl chloride	25.0	24.0		ug/L		96	65 - 133
cis-1,3-Dichloropropene	25.0	22.7		ug/L		91	74 - 124
Styrene	25.0	25.5		ug/L		102	80 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	90		77 - 120
4-Bromofluorobenzene (Surr)	87		73 - 120
Toluene-d8 (Surr)	101		80 - 120
Dibromofluoromethane (Surr)	89		75 - 123

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-125448-1

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

Lab Sample ID: MB 480-380986/1-A

Matrix: Water

Analysis Batch: 381299

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 380986

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		10/10/17 07:45	10/11/17 21:27	1
1,2,4-Trichlorobenzene	ND		10	0.44	ug/L		10/10/17 07:45	10/11/17 21:27	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		10/10/17 07:45	10/11/17 21:27	1
1,2-Dichlorobenzene	ND		10	0.40	ug/L		10/10/17 07:45	10/11/17 21:27	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		10/10/17 07:45	10/11/17 21:27	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		10/10/17 07:45	10/11/17 21:27	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		10/10/17 07:45	10/11/17 21:27	1
1,3-Dichlorobenzene	ND		10	0.48	ug/L		10/10/17 07:45	10/11/17 21:27	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		10/10/17 07:45	10/11/17 21:27	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		10/10/17 07:45	10/11/17 21:27	1
1,4-Dichlorobenzene	ND		10	0.46	ug/L		10/10/17 07:45	10/11/17 21:27	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		10/10/17 07:45	10/11/17 21:27	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		10/10/17 07:45	10/11/17 21:27	1
2-Chlorophenol	ND		5.0	0.53	ug/L		10/10/17 07:45	10/11/17 21:27	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		10/10/17 07:45	10/11/17 21:27	1
2-Methylphenol	ND		5.0	0.40	ug/L		10/10/17 07:45	10/11/17 21:27	1
2-Nitroaniline	ND		10	0.42	ug/L		10/10/17 07:45	10/11/17 21:27	1
2-Nitrophenol	ND		5.0	0.48	ug/L		10/10/17 07:45	10/11/17 21:27	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		10/10/17 07:45	10/11/17 21:27	1
3-Nitroaniline	ND		10	0.48	ug/L		10/10/17 07:45	10/11/17 21:27	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		10/10/17 07:45	10/11/17 21:27	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		10/10/17 07:45	10/11/17 21:27	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		10/10/17 07:45	10/11/17 21:27	1
4-Chloroaniline	ND		5.0	0.59	ug/L		10/10/17 07:45	10/11/17 21:27	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		10/10/17 07:45	10/11/17 21:27	1
4-Methylphenol	ND		10	0.36	ug/L		10/10/17 07:45	10/11/17 21:27	1
4-Nitroaniline	ND		10	0.25	ug/L		10/10/17 07:45	10/11/17 21:27	1
4-Nitrophenol	ND		10	1.5	ug/L		10/10/17 07:45	10/11/17 21:27	1
Acenaphthene	ND		5.0	0.41	ug/L		10/10/17 07:45	10/11/17 21:27	1
Acenaphthylene	ND		5.0	0.38	ug/L		10/10/17 07:45	10/11/17 21:27	1
Anthracene	ND		5.0	0.28	ug/L		10/10/17 07:45	10/11/17 21:27	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		10/10/17 07:45	10/11/17 21:27	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		10/10/17 07:45	10/11/17 21:27	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		10/10/17 07:45	10/11/17 21:27	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		10/10/17 07:45	10/11/17 21:27	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		10/10/17 07:45	10/11/17 21:27	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		10/10/17 07:45	10/11/17 21:27	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		10/10/17 07:45	10/11/17 21:27	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		10/10/17 07:45	10/11/17 21:27	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		10/10/17 07:45	10/11/17 21:27	1
Carbazole	ND		5.0	0.30	ug/L		10/10/17 07:45	10/11/17 21:27	1
Chrysene	ND		5.0	0.33	ug/L		10/10/17 07:45	10/11/17 21:27	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		10/10/17 07:45	10/11/17 21:27	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		10/10/17 07:45	10/11/17 21:27	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		10/10/17 07:45	10/11/17 21:27	1
Dibenzofuran	ND		10	0.51	ug/L		10/10/17 07:45	10/11/17 21:27	1
Diethyl phthalate	ND		5.0	0.22	ug/L		10/10/17 07:45	10/11/17 21:27	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		10/10/17 07:45	10/11/17 21:27	1

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-125448-1

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

Lab Sample ID: MB 480-380986/1-A

Matrix: Water

Analysis Batch: 381299

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 380986

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.0	0.40	ug/L		10/10/17 07:45	10/11/17 21:27	1
Fluorene	ND		5.0	0.36	ug/L		10/10/17 07:45	10/11/17 21:27	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		10/10/17 07:45	10/11/17 21:27	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		10/10/17 07:45	10/11/17 21:27	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		10/10/17 07:45	10/11/17 21:27	1
Hexachloroethane	ND		5.0	0.59	ug/L		10/10/17 07:45	10/11/17 21:27	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		10/10/17 07:45	10/11/17 21:27	1
Isophorone	ND		5.0	0.43	ug/L		10/10/17 07:45	10/11/17 21:27	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		10/10/17 07:45	10/11/17 21:27	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		10/10/17 07:45	10/11/17 21:27	1
Naphthalene	ND		5.0	0.76	ug/L		10/10/17 07:45	10/11/17 21:27	1
Nitrobenzene	ND		5.0	0.29	ug/L		10/10/17 07:45	10/11/17 21:27	1
Pentachlorophenol	ND		10	2.2	ug/L		10/10/17 07:45	10/11/17 21:27	1
Phenanthrene	ND		5.0	0.44	ug/L		10/10/17 07:45	10/11/17 21:27	1
Phenol	ND		5.0	0.39	ug/L		10/10/17 07:45	10/11/17 21:27	1
Pyrene	ND		5.0	0.34	ug/L		10/10/17 07:45	10/11/17 21:27	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	81		41 - 120	10/10/17 07:45	10/11/17 21:27	1
2-Fluorobiphenyl	89		48 - 120	10/10/17 07:45	10/11/17 21:27	1
2-Fluorophenol	73		35 - 120	10/10/17 07:45	10/11/17 21:27	1
Nitrobenzene-d5	103		46 - 120	10/10/17 07:45	10/11/17 21:27	1
p-Terphenyl-d14	110		59 - 136	10/10/17 07:45	10/11/17 21:27	1
Phenol-d5	54		22 - 120	10/10/17 07:45	10/11/17 21:27	1

Lab Sample ID: LCS 480-380986/2-A

Matrix: Water

Analysis Batch: 381299

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 380986

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
bis (2-chloroisopropyl) ether	32.0	26.8		ug/L		84	21 - 136
1,2,4-Trichlorobenzene	32.0	29.6		ug/L		93	40 - 120
2,4,5-Trichlorophenol	32.0	37.3		ug/L		117	65 - 126
1,2-Dichlorobenzene	32.0	28.6		ug/L		89	49 - 120
2,4,6-Trichlorophenol	32.0	32.3		ug/L		101	64 - 120
2,4-Dichlorophenol	32.0	33.8		ug/L		106	63 - 120
2,4-Dimethylphenol	32.0	33.7		ug/L		105	47 - 120
1,3-Dichlorobenzene	32.0	27.7		ug/L		87	50 - 120
2,4-Dinitrophenol	64.0	71.7		ug/L		112	31 - 137
2,4-Dinitrotoluene	32.0	37.1		ug/L		116	69 - 120
1,4-Dichlorobenzene	32.0	28.4		ug/L		89	51 - 120
2,6-Dinitrotoluene	32.0	36.8		ug/L		115	68 - 120
2-Chloronaphthalene	32.0	30.0		ug/L		94	58 - 120
2-Chlorophenol	32.0	31.1		ug/L		97	48 - 120
2-Methylnaphthalene	32.0	30.3		ug/L		95	59 - 120
2-Methylphenol	32.0	30.3		ug/L		95	39 - 120
2-Nitroaniline	32.0	33.9		ug/L		106	54 - 127
2-Nitrophenol	32.0	34.4		ug/L		108	52 - 125

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-125448-1

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

Lab Sample ID: LCS 480-380986/2-A

Matrix: Water

Analysis Batch: 381299

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 380986

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
3,3'-Dichlorobenzidine	64.0	87.7	E *	ug/L		137	49 - 135
3-Nitroaniline	32.0	43.0	*	ug/L		135	51 - 120
4,6-Dinitro-2-methylphenol	64.0	72.2		ug/L		113	46 - 136
4-Bromophenyl phenyl ether	32.0	34.3		ug/L		107	65 - 120
4-Chloro-3-methylphenol	32.0	35.7		ug/L		112	61 - 123
4-Chloroaniline	32.0	25.5		ug/L		80	30 - 120
4-Chlorophenyl phenyl ether	32.0	32.9		ug/L		103	62 - 120
4-Methylphenol	32.0	28.1		ug/L		88	29 - 131
4-Nitroaniline	32.0	40.1	*	ug/L		125	65 - 120
4-Nitrophenol	64.0	67.3		ug/L		105	45 - 120
Acenaphthene	32.0	31.2		ug/L		97	60 - 120
Acenaphthylene	32.0	31.4		ug/L		98	63 - 120
Anthracene	32.0	33.6		ug/L		105	67 - 120
Benzo[a]anthracene	32.0	35.2		ug/L		110	70 - 121
Benzo[a]pyrene	32.0	36.1		ug/L		113	60 - 123
Benzo[b]fluoranthene	32.0	36.7		ug/L		115	66 - 126
Benzo[g,h,i]perylene	32.0	35.9		ug/L		112	66 - 150
Benzo[k]fluoranthene	32.0	33.7		ug/L		105	65 - 124
Bis(2-chloroethoxy)methane	32.0	31.1		ug/L		97	50 - 128
Bis(2-chloroethyl)ether	32.0	29.2		ug/L		91	44 - 120
Bis(2-ethylhexyl) phthalate	32.0	35.5		ug/L		111	63 - 139
Butyl benzyl phthalate	32.0	35.4		ug/L		111	70 - 129
Carbazole	32.0	56.1	*	ug/L		175	66 - 123
Chrysene	32.0	34.3		ug/L		107	69 - 120
Di-n-butyl phthalate	32.0	37.5		ug/L		117	69 - 131
Di-n-octyl phthalate	32.0	34.6		ug/L		108	63 - 140
Dibenz(a,h)anthracene	32.0	36.4		ug/L		114	65 - 135
Dibenzofuran	32.0	31.9		ug/L		100	66 - 120
Diethyl phthalate	32.0	37.8		ug/L		118	59 - 127
Dimethyl phthalate	32.0	38.7	*	ug/L		121	68 - 120
Fluoranthene	32.0	36.1		ug/L		113	69 - 126
Fluorene	32.0	33.3		ug/L		104	66 - 120
Hexachlorobenzene	32.0	33.2		ug/L		104	61 - 120
Hexachlorobutadiene	32.0	27.9		ug/L		87	35 - 120
Hexachlorocyclopentadiene	32.0	17.7		ug/L		55	31 - 120
Hexachloroethane	32.0	27.2		ug/L		85	43 - 120
Indeno[1,2,3-cd]pyrene	32.0	37.1		ug/L		116	69 - 146
Isophorone	32.0	32.7		ug/L		102	55 - 120
N-Nitrosodi-n-propylamine	32.0	31.5		ug/L		98	32 - 140
N-Nitrosodiphenylamine	32.0	34.8		ug/L		109	61 - 120
Naphthalene	32.0	30.2		ug/L		94	57 - 120
Nitrobenzene	32.0	32.9		ug/L		103	53 - 123
Pentachlorophenol	64.0	59.2		ug/L		92	29 - 136
Phenanthrene	32.0	33.7		ug/L		105	68 - 120
Phenol	32.0	20.3		ug/L		63	17 - 120
Pyrene	32.0	35.2		ug/L		110	70 - 125

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-125448-1

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

Lab Sample ID: LCS 480-380986/2-A

Matrix: Water

Analysis Batch: 381299

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 380986

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol	116		41 - 120
2-Fluorobiphenyl	100		48 - 120
2-Fluorophenol	81		35 - 120
Nitrobenzene-d5	106		46 - 120
p-Terphenyl-d14	113		59 - 136
Phenol-d5	65		22 - 120

Lab Sample ID: 480-125448-3 MS

Matrix: Water

Analysis Batch: 381299

Client Sample ID: MW-4

Prep Type: Total/NA

Prep Batch: 380986

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
bis (2-chloroisopropyl) ether	ND		34.8	30.2		ug/L		87	28 - 121
1,2,4-Trichlorobenzene	ND		34.8	33.5		ug/L		96	49 - 120
2,4,5-Trichlorophenol	ND		34.8	41.9		ug/L		121	65 - 126
1,2-Dichlorobenzene	ND		34.8	31.9		ug/L		92	48 - 120
2,4,6-Trichlorophenol	ND		34.8	33.5		ug/L		96	64 - 120
2,4-Dichlorophenol	ND		34.8	35.5		ug/L		102	48 - 132
2,4-Dimethylphenol	ND		34.8	28.5		ug/L		82	39 - 130
1,3-Dichlorobenzene	ND		34.8	31.8		ug/L		92	51 - 120
2,4-Dinitrophenol	ND		69.6	84.3		ug/L		121	21 - 150
2,4-Dinitrotoluene	ND		34.8	40.4		ug/L		116	54 - 138
1,4-Dichlorobenzene	ND		34.8	31.8		ug/L		91	32 - 150
2,6-Dinitrotoluene	ND		34.8	40.8		ug/L		117	17 - 150
2-Chloronaphthalene	ND		34.8	34.5		ug/L		99	52 - 124
2-Chlorophenol	ND		34.8	32.7		ug/L		94	48 - 120
2-Methylnaphthalene	ND		34.8	34.3		ug/L		99	34 - 140
2-Methylphenol	ND		34.8	30.1		ug/L		86	46 - 120
2-Nitroaniline	ND		34.8	37.4		ug/L		108	44 - 136
2-Nitrophenol	ND		34.8	38.6		ug/L		111	38 - 141
3,3'-Dichlorobenzidine	ND	F2 *	69.6	28.8		ug/L		41	10 - 150
3-Nitroaniline	ND	*	34.8	37.8		ug/L		109	32 - 150
4,6-Dinitro-2-methylphenol	ND		69.6	81.3		ug/L		117	38 - 150
4-Bromophenyl phenyl ether	ND		34.8	37.1		ug/L		107	63 - 126
4-Chloro-3-methylphenol	ND		34.8	36.5		ug/L		105	64 - 127
4-Chloroaniline	ND		34.8	14.8		ug/L		43	16 - 124
4-Chlorophenyl phenyl ether	ND		34.8	37.4		ug/L		107	61 - 120
4-Methylphenol	ND		34.8	28.4		ug/L		82	36 - 120
4-Nitroaniline	ND	*	34.8	39.1		ug/L		112	32 - 150
4-Nitrophenol	ND		69.6	84.7		ug/L		122	23 - 132
Acenaphthene	ND		34.8	34.5		ug/L		99	48 - 120
Acenaphthylene	ND		34.8	35.3		ug/L		101	63 - 120
Anthracene	ND		34.8	32.6		ug/L		94	65 - 122
Benzo[a]anthracene	ND	F2	34.8	28.8		ug/L		83	43 - 124
Benzo[a]pyrene	ND	F2	34.8	25.7		ug/L		74	23 - 125
Benzo[b]fluoranthene	ND	F2	34.8	28.6		ug/L		82	27 - 127
Benzo[g,h,i]perylene	ND	F2	34.8	25.6		ug/L		74	16 - 147
Benzo[k]fluoranthene	ND	F2	34.8	27.1		ug/L		78	20 - 124

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-125448-1

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

Lab Sample ID: 480-125448-3 MS

Matrix: Water

Analysis Batch: 381299

Client Sample ID: MW-4

Prep Type: Total/NA

Prep Batch: 380986

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Bis(2-chloroethoxy)methane	ND		34.8	34.0		ug/L		98	44 - 128
Bis(2-chloroethyl)ether	ND		34.8	32.2		ug/L		93	45 - 120
Bis(2-ethylhexyl) phthalate	ND	F2	34.8	25.3		ug/L		73	16 - 150
Butyl benzyl phthalate	ND		34.8	34.5		ug/L		99	51 - 140
Carbazole	ND	F1 *	34.8	55.0	F1	ug/L		158	16 - 148
Chrysene	ND	F2	34.8	27.0		ug/L		78	44 - 122
Di-n-butyl phthalate	0.48	J	34.8	37.5		ug/L		107	65 - 129
Di-n-octyl phthalate	ND	F2	34.8	24.9		ug/L		72	16 - 150
Dibenz(a,h)anthracene	ND	F2	34.8	25.7		ug/L		74	16 - 139
Dibenzofuran	ND		34.8	36.6		ug/L		105	60 - 120
Diethyl phthalate	ND		34.8	41.9		ug/L		120	53 - 133
Dimethyl phthalate	ND	F1 *	34.8	43.3	F1	ug/L		124	59 - 123
Fluoranthene	ND		34.8	36.8		ug/L		106	63 - 129
Fluorene	ND		34.8	37.3		ug/L		107	62 - 120
Hexachlorobenzene	ND	F2	34.8	34.3		ug/L		99	57 - 121
Hexachlorobutadiene	ND		34.8	32.7		ug/L		94	37 - 120
Hexachlorocyclopentadiene	ND		34.8	24.3		ug/L		70	21 - 120
Hexachloroethane	ND		34.8	31.5		ug/L		90	16 - 130
Indeno[1,2,3-cd]pyrene	ND	F2	34.8	25.9		ug/L		74	16 - 140
Isophorone	ND		34.8	36.4		ug/L		105	48 - 133
N-Nitrosodi-n-propylamine	ND		34.8	34.5		ug/L		99	49 - 120
N-Nitrosodiphenylamine	ND	F2	34.8	16.8		ug/L		48	39 - 138
Naphthalene	ND		34.8	33.7		ug/L		97	45 - 120
Nitrobenzene	ND		34.8	36.6		ug/L		105	45 - 123
Pentachlorophenol	ND		69.6	67.8		ug/L		97	23 - 149
Phenanthrene	ND		34.8	36.6		ug/L		105	65 - 122
Phenol	ND		34.8	21.9		ug/L		63	16 - 120
Pyrene	ND		34.8	34.9		ug/L		100	58 - 128

Surrogate	MS %Recovery	MS Qualifier	Limits
2,4,6-Tribromophenol	111		41 - 120
2-Fluorobiphenyl	104		48 - 120
2-Fluorophenol	79		35 - 120
Nitrobenzene-d5	107		46 - 120
p-Terphenyl-d14	79		59 - 136
Phenol-d5	66		22 - 120

Lab Sample ID: 480-125448-3 MSD

Matrix: Water

Analysis Batch: 381299

Client Sample ID: MW-4

Prep Type: Total/NA

Prep Batch: 380986

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
bis (2-chloroisopropyl) ether	ND		32.0	26.0		ug/L		81	28 - 121	15	24
1,2,4-Trichlorobenzene	ND		32.0	29.5		ug/L		92	49 - 120	13	30
2,4,5-Trichlorophenol	ND		32.0	36.8		ug/L		115	65 - 126	13	18
1,2-Dichlorobenzene	ND		32.0	28.2		ug/L		88	48 - 120	12	29
2,4,6-Trichlorophenol	ND		32.0	30.0		ug/L		94	64 - 120	11	19
2,4-Dichlorophenol	ND		32.0	31.1		ug/L		97	48 - 132	13	19

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-125448-1

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

Lab Sample ID: 480-125448-3 MSD

Matrix: Water

Analysis Batch: 381299

Client Sample ID: MW-4

Prep Type: Total/NA

Prep Batch: 380986

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4-Dimethylphenol	ND		32.0	27.4		ug/L		86	39 - 130	4	42
1,3-Dichlorobenzene	ND		32.0	27.5		ug/L		86	51 - 120	15	37
2,4-Dinitrophenol	ND		64.0	76.4		ug/L		119	21 - 150	10	22
2,4-Dinitrotoluene	ND		32.0	35.2		ug/L		110	54 - 138	14	20
1,4-Dichlorobenzene	ND		32.0	27.8		ug/L		87	32 - 150	13	36
2,6-Dinitrotoluene	ND		32.0	35.4		ug/L		111	17 - 150	14	15
2-Chloronaphthalene	ND		32.0	30.6		ug/L		96	52 - 124	12	21
2-Chlorophenol	ND		32.0	28.3		ug/L		89	48 - 120	14	25
2-Methylnaphthalene	ND		32.0	29.9		ug/L		93	34 - 140	14	21
2-Methylphenol	ND		32.0	26.6		ug/L		83	46 - 120	12	27
2-Nitroaniline	ND		32.0	32.9		ug/L		103	44 - 136	13	15
2-Nitrophenol	ND		32.0	33.1		ug/L		103	38 - 141	15	18
3,3'-Dichlorobenzidine	ND	F2 *	64.0	39.4	F2	ug/L		62	10 - 150	31	25
3-Nitroaniline	ND	*	32.0	34.4		ug/L		107	32 - 150	9	19
4,6-Dinitro-2-methylphenol	ND		64.0	71.3		ug/L		111	38 - 150	13	15
4-Bromophenyl phenyl ether	ND		32.0	32.2		ug/L		101	63 - 126	14	15
4-Chloro-3-methylphenol	ND		32.0	32.2		ug/L		101	64 - 127	13	27
4-Chloroaniline	ND		32.0	13.5		ug/L		42	16 - 124	9	22
4-Chlorophenyl phenyl ether	ND		32.0	32.8		ug/L		103	61 - 120	13	16
4-Methylphenol	ND		32.0	24.5		ug/L		77	36 - 120	15	24
4-Nitroaniline	ND	*	32.0	36.3		ug/L		114	32 - 150	7	24
4-Nitrophenol	ND		64.0	62.4		ug/L		97	23 - 132	30	48
Acenaphthene	ND		32.0	30.5		ug/L		95	48 - 120	12	24
Acenaphthylene	ND		32.0	31.0		ug/L		97	63 - 120	13	18
Anthracene	ND		32.0	30.0		ug/L		94	65 - 122	8	15
Benzo[a]anthracene	ND	F2	32.0	24.1	F2	ug/L		75	43 - 124	18	15
Benzo[a]pyrene	ND	F2	32.0	20.7	F2	ug/L		65	23 - 125	22	15
Benzo[b]fluoranthene	ND	F2	32.0	22.0	F2	ug/L		69	27 - 127	26	15
Benzo[g,h,i]perylene	ND	F2	32.0	19.2	F2	ug/L		60	16 - 147	28	15
Benzo[k]fluoranthene	ND	F2	32.0	21.1	F2	ug/L		66	20 - 124	25	22
Bis(2-chloroethoxy)methane	ND		32.0	30.0		ug/L		94	44 - 128	12	17
Bis(2-chloroethyl)ether	ND		32.0	27.7		ug/L		87	45 - 120	15	21
Bis(2-ethylhexyl) phthalate	ND	F2	32.0	19.6	F2	ug/L		61	16 - 150	25	15
Butyl benzyl phthalate	ND		32.0	30.4		ug/L		95	51 - 140	13	16
Carbazole	ND	F1 *	32.0	50.0	F1	ug/L		156	16 - 148	9	20
Chrysene	ND	F2	32.0	22.8	F2	ug/L		71	44 - 122	17	15
Di-n-butyl phthalate	0.48	J	32.0	33.0		ug/L		102	65 - 129	13	15
Di-n-octyl phthalate	ND	F2	32.0	19.0	F2	ug/L		59	16 - 150	27	16
Dibenz(a,h)anthracene	ND	F2	32.0	19.8	F2	ug/L		62	16 - 139	26	15
Dibenzofuran	ND		32.0	32.1		ug/L		100	60 - 120	13	15
Diethyl phthalate	ND		32.0	36.3		ug/L		114	53 - 133	14	15
Dimethyl phthalate	ND	F1 *	32.0	37.3		ug/L		117	59 - 123	15	15
Fluoranthene	ND		32.0	31.8		ug/L		99	63 - 129	14	15
Fluorene	ND		32.0	32.6		ug/L		102	62 - 120	13	15
Hexachlorobenzene	ND	F2	32.0	29.2	F2	ug/L		91	57 - 121	16	15
Hexachlorobutadiene	ND		32.0	28.5		ug/L		89	37 - 120	14	44
Hexachlorocyclopentadiene	ND		32.0	21.2		ug/L		66	21 - 120	13	49
Hexachloroethane	ND		32.0	27.4		ug/L		86	16 - 130	14	46

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-125448-1

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

Lab Sample ID: 480-125448-3 MSD

Matrix: Water

Analysis Batch: 381299

Client Sample ID: MW-4

Prep Type: Total/NA

Prep Batch: 380986

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Indeno[1,2,3-cd]pyrene	ND	F2	32.0	19.8	F2	ug/L		62	16 - 140	27	15
Isophorone	ND		32.0	31.9		ug/L		100	48 - 133	13	17
N-Nitrosodi-n-propylamine	ND		32.0	30.3		ug/L		95	49 - 120	13	31
N-Nitrosodiphenylamine	ND	F2	32.0	27.2	F2	ug/L		85	39 - 138	48	15
Naphthalene	ND		32.0	29.4		ug/L		92	45 - 120	14	29
Nitrobenzene	ND		32.0	32.1		ug/L		100	45 - 123	13	24
Pentachlorophenol	ND		64.0	59.7		ug/L		93	23 - 149	13	37
Phenanthrene	ND		32.0	31.9		ug/L		100	65 - 122	14	15
Phenol	ND		32.0	17.5		ug/L		55	16 - 120	23	34
Pyrene	ND		32.0	30.7		ug/L		96	58 - 128	13	19

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2,4,6-Tribromophenol	109		41 - 120
2-Fluorobiphenyl	99		48 - 120
2-Fluorophenol	71		35 - 120
Nitrobenzene-d5	102		46 - 120
p-Terphenyl-d14	66		59 - 136
Phenol-d5	57		22 - 120

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 480-380905/1-A

Matrix: Water

Analysis Batch: 381040

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 380905

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.050	0.0092	ug/L		10/09/17 15:41	10/10/17 12:09	1
4,4'-DDE	ND		0.050	0.012	ug/L		10/09/17 15:41	10/10/17 12:09	1
4,4'-DDT	ND		0.050	0.011	ug/L		10/09/17 15:41	10/10/17 12:09	1
Aldrin	ND		0.050	0.0081	ug/L		10/09/17 15:41	10/10/17 12:09	1
alpha-BHC	0.0122	J	0.050	0.0077	ug/L		10/09/17 15:41	10/10/17 12:09	1
alpha-Chlordane	ND		0.050	0.015	ug/L		10/09/17 15:41	10/10/17 12:09	1
beta-BHC	ND		0.050	0.025	ug/L		10/09/17 15:41	10/10/17 12:09	1
delta-BHC	ND		0.050	0.010	ug/L		10/09/17 15:41	10/10/17 12:09	1
Dieldrin	ND		0.050	0.0098	ug/L		10/09/17 15:41	10/10/17 12:09	1
Endosulfan I	ND		0.050	0.011	ug/L		10/09/17 15:41	10/10/17 12:09	1
Endosulfan II	ND		0.050	0.012	ug/L		10/09/17 15:41	10/10/17 12:09	1
Endosulfan sulfate	ND		0.050	0.016	ug/L		10/09/17 15:41	10/10/17 12:09	1
Endrin	ND		0.050	0.014	ug/L		10/09/17 15:41	10/10/17 12:09	1
Endrin aldehyde	ND		0.050	0.016	ug/L		10/09/17 15:41	10/10/17 12:09	1
Endrin ketone	ND		0.050	0.012	ug/L		10/09/17 15:41	10/10/17 12:09	1
gamma-BHC (Lindane)	ND		0.050	0.0080	ug/L		10/09/17 15:41	10/10/17 12:09	1
gamma-Chlordane	ND		0.050	0.011	ug/L		10/09/17 15:41	10/10/17 12:09	1
Heptachlor	ND		0.050	0.0085	ug/L		10/09/17 15:41	10/10/17 12:09	1
Heptachlor epoxide	ND		0.050	0.0074	ug/L		10/09/17 15:41	10/10/17 12:09	1
Methoxychlor	ND		0.050	0.014	ug/L		10/09/17 15:41	10/10/17 12:09	1
Toxaphene	ND		0.50	0.12	ug/L		10/09/17 15:41	10/10/17 12:09	1

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-125448-1

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

Lab Sample ID: MB 480-380905/1-A

Matrix: Water

Analysis Batch: 381040

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 380905

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	65		20 - 120	10/09/17 15:41	10/10/17 12:09	1
Tetrachloro-m-xylene	102		44 - 120	10/09/17 15:41	10/10/17 12:09	1

Lab Sample ID: LCS 480-380905/2-A

Matrix: Water

Analysis Batch: 381040

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 380905

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	0.400	0.396		ug/L		99	64 - 129
4,4'-DDE	0.400	0.343		ug/L		86	50 - 120
4,4'-DDT	0.400	0.429		ug/L		107	59 - 120
Aldrin	0.400	0.287		ug/L		72	40 - 125
alpha-BHC	0.400	0.307		ug/L		77	52 - 125
alpha-Chlordane	0.400	0.336		ug/L		84	52 - 120
beta-BHC	0.400	0.400		ug/L		100	51 - 120
delta-BHC	0.400	0.384		ug/L		96	51 - 120
Dieldrin	0.400	0.400		ug/L		100	66 - 128
Endosulfan I	0.400	0.289		ug/L		72	57 - 120
Endosulfan II	0.400	0.327		ug/L		82	66 - 131
Endosulfan sulfate	0.400	0.422		ug/L		105	66 - 136
Endrin	0.400	0.396		ug/L		99	65 - 135
Endrin aldehyde	0.400	0.344		ug/L		86	61 - 134
Endrin ketone	0.400	0.453		ug/L		113	71 - 133
gamma-BHC (Lindane)	0.400	0.359		ug/L		90	56 - 120
gamma-Chlordane	0.400	0.364		ug/L		91	54 - 120
Heptachlor	0.400	0.347		ug/L		87	58 - 120
Heptachlor epoxide	0.400	0.407		ug/L		102	65 - 125
Methoxychlor	0.400	0.397		ug/L		99	50 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	61		20 - 120
Tetrachloro-m-xylene	88		44 - 120

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

Lab Sample ID: MB 480-381140/1-A

Matrix: Water

Analysis Batch: 381272

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 381140

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		10/10/17 14:43	10/11/17 14:00	1
PCB-1221	ND		0.50	0.18	ug/L		10/10/17 14:43	10/11/17 14:00	1
PCB-1232	ND		0.50	0.18	ug/L		10/10/17 14:43	10/11/17 14:00	1
PCB-1242	ND		0.50	0.18	ug/L		10/10/17 14:43	10/11/17 14:00	1
PCB-1248	ND		0.50	0.18	ug/L		10/10/17 14:43	10/11/17 14:00	1
PCB-1254	ND		0.50	0.25	ug/L		10/10/17 14:43	10/11/17 14:00	1
PCB-1260	ND		0.50	0.25	ug/L		10/10/17 14:43	10/11/17 14:00	1

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-125448-1

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

Lab Sample ID: MB 480-381140/1-A

Matrix: Water

Analysis Batch: 381272

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 381140

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	42		19 - 120	10/10/17 14:43	10/11/17 14:00	1
Tetrachloro-m-xylene	75		39 - 121	10/10/17 14:43	10/11/17 14:00	1

Lab Sample ID: LCS 480-381140/2-A

Matrix: Water

Analysis Batch: 381272

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 381140

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	4.00	3.42		ug/L		85	62 - 130
PCB-1260	4.00	3.00		ug/L		75	56 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	41		19 - 120
Tetrachloro-m-xylene	82		39 - 121

Lab Sample ID: 480-125448-3 MS

Matrix: Water

Analysis Batch: 381272

Client Sample ID: MW-4

Prep Type: Total/NA

Prep Batch: 381140

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	ND		4.17	2.92		ug/L		70	28 - 150
PCB-1260	ND		4.17	2.09		ug/L		50	25 - 131

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl	58		19 - 120
Tetrachloro-m-xylene	72		39 - 121

Lab Sample ID: 480-125448-3 MSD

Matrix: Water

Analysis Batch: 381272

Client Sample ID: MW-4

Prep Type: Total/NA

Prep Batch: 381140

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	ND		4.00	3.47		ug/L		87	28 - 150	17	50
PCB-1260	ND		4.00	2.56		ug/L		64	25 - 131	20	50

Surrogate	MSD %Recovery	MSD Qualifier	Limits
DCB Decachlorobiphenyl	63		19 - 120
Tetrachloro-m-xylene	86		39 - 121

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-380806/1-A

Matrix: Water

Analysis Batch: 381249

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 380806

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		10/10/17 09:05	10/11/17 01:40	1

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-125448-1

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

Lab Sample ID: MB 480-380806/1-A

Matrix: Water

Analysis Batch: 381249

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 380806

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.020	0.0068	mg/L		10/10/17 09:05	10/11/17 01:40	1
Arsenic	ND		0.010	0.0056	mg/L		10/10/17 09:05	10/11/17 01:40	1
Barium	ND		0.0020	0.00070	mg/L		10/10/17 09:05	10/11/17 01:40	1
Beryllium	ND		0.0020	0.00030	mg/L		10/10/17 09:05	10/11/17 01:40	1
Cadmium	ND		0.0010	0.00050	mg/L		10/10/17 09:05	10/11/17 01:40	1
Calcium	ND		0.50	0.10	mg/L		10/10/17 09:05	10/11/17 01:40	1
Chromium	ND		0.0040	0.0010	mg/L		10/10/17 09:05	10/11/17 01:40	1
Cobalt	ND		0.0040	0.00063	mg/L		10/10/17 09:05	10/11/17 01:40	1
Copper	ND		0.010	0.0016	mg/L		10/10/17 09:05	10/11/17 01:40	1
Iron	ND		0.050	0.019	mg/L		10/10/17 09:05	10/11/17 01:40	1
Lead	ND		0.0050	0.0030	mg/L		10/10/17 09:05	10/11/17 01:40	1
Magnesium	ND		0.20	0.043	mg/L		10/10/17 09:05	10/11/17 01:40	1
Manganese	0.000650	J	0.0030	0.00040	mg/L		10/10/17 09:05	10/11/17 01:40	1
Nickel	ND		0.010	0.0013	mg/L		10/10/17 09:05	10/11/17 01:40	1
Potassium	ND	^	0.50	0.10	mg/L		10/10/17 09:05	10/11/17 01:40	1
Selenium	ND		0.015	0.0087	mg/L		10/10/17 09:05	10/11/17 01:40	1
Silver	ND		0.0030	0.0017	mg/L		10/10/17 09:05	10/11/17 01:40	1
Sodium	ND		1.0	0.32	mg/L		10/10/17 09:05	10/11/17 01:40	1
Thallium	ND		0.020	0.010	mg/L		10/10/17 09:05	10/11/17 01:40	1
Vanadium	ND		0.0050	0.0015	mg/L		10/10/17 09:05	10/11/17 01:40	1
Zinc	ND		0.010	0.0015	mg/L		10/10/17 09:05	10/11/17 01:40	1

Lab Sample ID: LCS 480-380806/2-A

Matrix: Water

Analysis Batch: 381249

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 380806

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	10.0	9.92		mg/L		99	80 - 120
Antimony	0.200	0.194		mg/L		97	80 - 120
Arsenic	0.200	0.193		mg/L		97	80 - 120
Barium	0.200	0.196		mg/L		98	80 - 120
Beryllium	0.200	0.200		mg/L		100	80 - 120
Cadmium	0.200	0.203		mg/L		101	80 - 120
Calcium	10.0	10.08		mg/L		101	80 - 120
Chromium	0.200	0.204		mg/L		102	80 - 120
Cobalt	0.200	0.191		mg/L		96	80 - 120
Copper	0.200	0.195		mg/L		98	80 - 120
Iron	10.0	10.12		mg/L		101	80 - 120
Lead	0.200	0.201		mg/L		101	80 - 120
Magnesium	10.0	10.26		mg/L		103	80 - 120
Manganese	0.200	0.209		mg/L		105	80 - 120
Nickel	0.200	0.195		mg/L		98	80 - 120
Potassium	10.0	10.31	^	mg/L		103	80 - 120
Selenium	0.200	0.200		mg/L		100	80 - 120
Silver	0.0500	0.0499		mg/L		100	80 - 120
Sodium	10.0	10.22		mg/L		102	80 - 120
Thallium	0.200	0.201		mg/L		101	80 - 120
Vanadium	0.200	0.199		mg/L		99	80 - 120

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-125448-1

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

Lab Sample ID: LCS 480-380806/2-A

Matrix: Water

Analysis Batch: 381249

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 380806

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Zinc	0.200	0.210		mg/L		105	80 - 120

Method: 7470A_ASP - Mercury (CVAA)

Lab Sample ID: MB 480-381061/1-A

Matrix: Water

Analysis Batch: 381179

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 381061

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		10/10/17 12:20	10/10/17 16:13	1

Lab Sample ID: LCS 480-381061/2-A

Matrix: Water

Analysis Batch: 381179

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 381061

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00667	0.00638		mg/L		96	80 - 120

Lab Sample ID: LCSD 480-381061/3-A

Matrix: Water

Analysis Batch: 381179

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 381061

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Mercury	0.00667	0.00633		mg/L		95	80 - 120	1	20

Lab Sample ID: 480-125448-1 MS

Matrix: Water

Analysis Batch: 381179

Client Sample ID: S-4

Prep Type: Total/NA

Prep Batch: 381061

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	ND		0.00667	0.00647		mg/L		97	80 - 120

Lab Sample ID: 480-125448-1 MSD

Matrix: Water

Analysis Batch: 381179

Client Sample ID: S-4

Prep Type: Total/NA

Prep Batch: 381061

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Mercury	ND		0.00667	0.00642		mg/L		96	80 - 120	1	20

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

Lab Sample ID: MB 480-381569/1-A

Matrix: Water

Analysis Batch: 381733

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 381569

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		10/12/17 15:45	10/13/17 10:50	1

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-125448-1

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

Lab Sample ID: LCS 480-381569/2-A

Matrix: Water

Analysis Batch: 381733

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 381569

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.250	0.254		mg/L		102	90 - 110

Lab Sample ID: MB 480-381884/1-A

Matrix: Water

Analysis Batch: 382032

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 381884

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		10/15/17 11:00	10/16/17 11:03	1

Lab Sample ID: LCS 480-381884/2-A

Matrix: Water

Analysis Batch: 382032

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 381884

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.400	0.375		mg/L		94	90 - 110

Lab Sample ID: LCS 480-381884/3-A

Matrix: Water

Analysis Batch: 382032

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 381884

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.250	0.229		mg/L		92	90 - 110

Lab Sample ID: MB 480-382108/1-A

Matrix: Water

Analysis Batch: 382257

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 382108

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		10/17/17 04:10	10/17/17 12:53	1

Lab Sample ID: LCS 480-382108/2-A

Matrix: Water

Analysis Batch: 382257

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 382108

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.250	0.236		mg/L		94	90 - 110

TestAmerica Buffalo

QC Association Summary

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

TestAmerica Job ID: 480-125448-1

GC/MS VOA

Analysis Batch: 381807

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-125448-1	S-4	Total/NA	Water	8260C	
480-125448-2	S-3	Total/NA	Water	8260C	
MB 480-381807/6	Method Blank	Total/NA	Water	8260C	
LCS 480-381807/4	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 381812

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-125448-3	MW-4	Total/NA	Water	8260C	
480-125448-4	MW-5	Total/NA	Water	8260C	
480-125448-5	MW-6	Total/NA	Water	8260C	
480-125448-6	DUP	Total/NA	Water	8260C	
480-125448-7	RW-4	Total/NA	Water	8260C	
480-125448-8	RW-5	Total/NA	Water	8260C	
MB 480-381812/8	Method Blank	Total/NA	Water	8260C	
LCS 480-381812/6	Lab Control Sample	Total/NA	Water	8260C	
480-125448-3 MS	MW-4	Total/NA	Water	8260C	
480-125448-3 MSD	MW-4	Total/NA	Water	8260C	

Analysis Batch: 382072

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-125448-9	S-1	Total/NA	Water	8260C	
MB 480-382072/6	Method Blank	Total/NA	Water	8260C	
LCS 480-382072/4	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 382161

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-125448-10	S-2	Total/NA	Water	8260C	
MB 480-382161/8	Method Blank	Total/NA	Water	8260C	
LCS 480-382161/5	Lab Control Sample	Total/NA	Water	8260C	

GC/MS Semi VOA

Prep Batch: 380986

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-125448-1	S-4	Total/NA	Water	3510C	
480-125448-2 - DL	S-3	Total/NA	Water	3510C	
480-125448-2	S-3	Total/NA	Water	3510C	
480-125448-3	MW-4	Total/NA	Water	3510C	
480-125448-4	MW-5	Total/NA	Water	3510C	
480-125448-5	MW-6	Total/NA	Water	3510C	
480-125448-6	DUP	Total/NA	Water	3510C	
480-125448-7	RW-4	Total/NA	Water	3510C	
480-125448-8	RW-5	Total/NA	Water	3510C	
480-125448-9	S-1	Total/NA	Water	3510C	
480-125448-10	S-2	Total/NA	Water	3510C	
MB 480-380986/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-380986/2-A	Lab Control Sample	Total/NA	Water	3510C	
480-125448-3 MS	MW-4	Total/NA	Water	3510C	
480-125448-3 MSD	MW-4	Total/NA	Water	3510C	

TestAmerica Buffalo

QC Association Summary

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

TestAmerica Job ID: 480-125448-1

GC/MS Semi VOA (Continued)

Analysis Batch: 381299

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-125448-1	S-4	Total/NA	Water	8270D	380986
480-125448-2	S-3	Total/NA	Water	8270D	380986
480-125448-3	MW-4	Total/NA	Water	8270D	380986
480-125448-4	MW-5	Total/NA	Water	8270D	380986
480-125448-5	MW-6	Total/NA	Water	8270D	380986
480-125448-6	DUP	Total/NA	Water	8270D	380986
480-125448-7	RW-4	Total/NA	Water	8270D	380986
480-125448-8	RW-5	Total/NA	Water	8270D	380986
MB 480-380986/1-A	Method Blank	Total/NA	Water	8270D	380986
LCS 480-380986/2-A	Lab Control Sample	Total/NA	Water	8270D	380986
480-125448-3 MS	MW-4	Total/NA	Water	8270D	380986
480-125448-3 MSD	MW-4	Total/NA	Water	8270D	380986

Analysis Batch: 381312

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-125448-2 - DL	S-3	Total/NA	Water	8270D	380986
480-125448-9	S-1	Total/NA	Water	8270D	380986
480-125448-10	S-2	Total/NA	Water	8270D	380986

GC Semi VOA

Prep Batch: 380905

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-125448-1	S-4	Total/NA	Water	3510C	
480-125448-2	S-3	Total/NA	Water	3510C	
480-125448-9	S-1	Total/NA	Water	3510C	
480-125448-10	S-2	Total/NA	Water	3510C	
MB 480-380905/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-380905/2-A	Lab Control Sample	Total/NA	Water	3510C	

Analysis Batch: 381040

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-125448-1	S-4	Total/NA	Water	8081B	380905
480-125448-2	S-3	Total/NA	Water	8081B	380905
480-125448-9	S-1	Total/NA	Water	8081B	380905
480-125448-10	S-2	Total/NA	Water	8081B	380905
MB 480-380905/1-A	Method Blank	Total/NA	Water	8081B	380905
LCS 480-380905/2-A	Lab Control Sample	Total/NA	Water	8081B	380905

Prep Batch: 381140

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-125448-1	S-4	Total/NA	Water	3510C	
480-125448-2	S-3	Total/NA	Water	3510C	
480-125448-3	MW-4	Total/NA	Water	3510C	
480-125448-4	MW-5	Total/NA	Water	3510C	
480-125448-5	MW-6	Total/NA	Water	3510C	
480-125448-6	DUP	Total/NA	Water	3510C	
480-125448-7	RW-4	Total/NA	Water	3510C	
480-125448-8	RW-5	Total/NA	Water	3510C	
480-125448-9	S-1	Total/NA	Water	3510C	

TestAmerica Buffalo

QC Association Summary

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

TestAmerica Job ID: 480-125448-1

GC Semi VOA (Continued)

Prep Batch: 381140 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-125448-10	S-2	Total/NA	Water	3510C	
MB 480-381140/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-381140/2-A	Lab Control Sample	Total/NA	Water	3510C	
480-125448-3 MS	MW-4	Total/NA	Water	3510C	
480-125448-3 MSD	MW-4	Total/NA	Water	3510C	

Analysis Batch: 381272

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-125448-1	S-4	Total/NA	Water	8082A	381140
480-125448-2	S-3	Total/NA	Water	8082A	381140
480-125448-3	MW-4	Total/NA	Water	8082A	381140
480-125448-4	MW-5	Total/NA	Water	8082A	381140
480-125448-5	MW-6	Total/NA	Water	8082A	381140
480-125448-6	DUP	Total/NA	Water	8082A	381140
480-125448-7	RW-4	Total/NA	Water	8082A	381140
480-125448-8	RW-5	Total/NA	Water	8082A	381140
480-125448-9	S-1	Total/NA	Water	8082A	381140
480-125448-10	S-2	Total/NA	Water	8082A	381140
MB 480-381140/1-A	Method Blank	Total/NA	Water	8082A	381140
LCS 480-381140/2-A	Lab Control Sample	Total/NA	Water	8082A	381140
480-125448-3 MS	MW-4	Total/NA	Water	8082A	381140
480-125448-3 MSD	MW-4	Total/NA	Water	8082A	381140

Metals

Prep Batch: 380806

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-125448-1	S-4	Total/NA	Water	3005A	
480-125448-2	S-3	Total/NA	Water	3005A	
480-125448-9	S-1	Total/NA	Water	3005A	
480-125448-10	S-2	Total/NA	Water	3005A	
MB 480-380806/1-A	Method Blank	Total/NA	Water	3005A	
LCS 480-380806/2-A	Lab Control Sample	Total/NA	Water	3005A	

Prep Batch: 381061

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-125448-1	S-4	Total/NA	Water	7470A	
480-125448-2	S-3	Total/NA	Water	7470A	
480-125448-9	S-1	Total/NA	Water	7470A	
480-125448-10	S-2	Total/NA	Water	7470A	
MB 480-381061/1-A	Method Blank	Total/NA	Water	7470A	
LCS 480-381061/2-A	Lab Control Sample	Total/NA	Water	7470A	
LCSD 480-381061/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	
480-125448-1 MS	S-4	Total/NA	Water	7470A	
480-125448-1 MSD	S-4	Total/NA	Water	7470A	

Analysis Batch: 381179

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-125448-1	S-4	Total/NA	Water	7470A_ASP	381061
480-125448-2	S-3	Total/NA	Water	7470A_ASP	381061

TestAmerica Buffalo

QC Association Summary

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

TestAmerica Job ID: 480-125448-1

Metals (Continued)

Analysis Batch: 381179 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-125448-9	S-1	Total/NA	Water	7470A_ASP	381061
480-125448-10	S-2	Total/NA	Water	7470A_ASP	381061
MB 480-381061/1-A	Method Blank	Total/NA	Water	7470A_ASP	381061
LCS 480-381061/2-A	Lab Control Sample	Total/NA	Water	7470A_ASP	381061
LCS 480-381061/3-A	Lab Control Sample Dup	Total/NA	Water	7470A_ASP	381061
480-125448-1 MS	S-4	Total/NA	Water	7470A_ASP	381061
480-125448-1 MSD	S-4	Total/NA	Water	7470A_ASP	381061

Analysis Batch: 381249

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-125448-1	S-4	Total/NA	Water	6010C	380806
480-125448-2	S-3	Total/NA	Water	6010C	380806
480-125448-9	S-1	Total/NA	Water	6010C	380806
480-125448-10	S-2	Total/NA	Water	6010C	380806
MB 480-380806/1-A	Method Blank	Total/NA	Water	6010C	380806
LCS 480-380806/2-A	Lab Control Sample	Total/NA	Water	6010C	380806

General Chemistry

Prep Batch: 381569

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-125448-1	S-4	Total/NA	Water	9012B	
480-125448-2	S-3	Total/NA	Water	9012B	
MB 480-381569/1-A	Method Blank	Total/NA	Water	9012B	
LCS 480-381569/2-A	Lab Control Sample	Total/NA	Water	9012B	

Analysis Batch: 381733

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-125448-1	S-4	Total/NA	Water	9012B	381569
480-125448-2	S-3	Total/NA	Water	9012B	381569
MB 480-381569/1-A	Method Blank	Total/NA	Water	9012B	381569
LCS 480-381569/2-A	Lab Control Sample	Total/NA	Water	9012B	381569

Prep Batch: 381884

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-125448-10	S-2	Total/NA	Water	9012B	
MB 480-381884/1-A	Method Blank	Total/NA	Water	9012B	
LCS 480-381884/2-A	Lab Control Sample	Total/NA	Water	9012B	
LCS 480-381884/3-A	Lab Control Sample	Total/NA	Water	9012B	

Analysis Batch: 382032

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-125448-10	S-2	Total/NA	Water	9012B	381884
MB 480-381884/1-A	Method Blank	Total/NA	Water	9012B	381884
LCS 480-381884/2-A	Lab Control Sample	Total/NA	Water	9012B	381884
LCS 480-381884/3-A	Lab Control Sample	Total/NA	Water	9012B	381884

Prep Batch: 382108

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-125448-9	S-1	Total/NA	Water	9012B	

TestAmerica Buffalo

QC Association Summary

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

TestAmerica Job ID: 480-125448-1

General Chemistry (Continued)

Prep Batch: 382108 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-382108/1-A	Method Blank	Total/NA	Water	9012B	
LCS 480-382108/2-A	Lab Control Sample	Total/NA	Water	9012B	

Analysis Batch: 382257

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-125448-9	S-1	Total/NA	Water	9012B	382108
MB 480-382108/1-A	Method Blank	Total/NA	Water	9012B	382108
LCS 480-382108/2-A	Lab Control Sample	Total/NA	Water	9012B	382108

Lab Chronicle

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

TestAmerica Job ID: 480-125448-1

Client Sample ID: S-4

Date Collected: 10/04/17 13:00

Date Received: 10/06/17 13:50

Lab Sample ID: 480-125448-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	381807	10/14/17 14:50	AMM	TAL BUF
Total/NA	Prep	3510C			380986	10/10/17 07:45	JMP	TAL BUF
Total/NA	Analysis	8270D		1	381299	10/11/17 23:54	MKP	TAL BUF
Total/NA	Prep	3510C			380905	10/09/17 15:41	RLT	TAL BUF
Total/NA	Analysis	8081B		1	381040	10/10/17 13:47	JLS	TAL BUF
Total/NA	Prep	3510C			381140	10/10/17 14:43	SMP	TAL BUF
Total/NA	Analysis	8082A		1	381272	10/11/17 15:35	JMO	TAL BUF
Total/NA	Prep	3005A			380806	10/10/17 09:05	EMB	TAL BUF
Total/NA	Analysis	6010C		1	381249	10/11/17 03:14	LMH	TAL BUF
Total/NA	Prep	7470A			381061	10/10/17 12:20	BMB	TAL BUF
Total/NA	Analysis	7470A_ASP		1	381179	10/10/17 16:30	BMB	TAL BUF
Total/NA	Prep	9012B			381569	10/12/17 15:45	JCL	TAL BUF
Total/NA	Analysis	9012B		1	381733	10/13/17 11:13	JCL	TAL BUF

Client Sample ID: S-3

Date Collected: 10/04/17 14:00

Date Received: 10/06/17 13:50

Lab Sample ID: 480-125448-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	381807	10/14/17 15:15	AMM	TAL BUF
Total/NA	Prep	3510C			380986	10/10/17 07:45	JMP	TAL BUF
Total/NA	Analysis	8270D		1	381299	10/12/17 00:23	MKP	TAL BUF
Total/NA	Prep	3510C	DL		380986	10/10/17 07:45	JMP	TAL BUF
Total/NA	Analysis	8270D	DL	5	381312	10/12/17 11:33	MKP	TAL BUF
Total/NA	Prep	3510C			380905	10/09/17 15:41	RLT	TAL BUF
Total/NA	Analysis	8081B		1	381040	10/10/17 14:07	JLS	TAL BUF
Total/NA	Prep	3510C			381140	10/10/17 14:43	SMP	TAL BUF
Total/NA	Analysis	8082A		1	381272	10/11/17 15:51	JMO	TAL BUF
Total/NA	Prep	3005A			380806	10/10/17 09:05	EMB	TAL BUF
Total/NA	Analysis	6010C		1	381249	10/11/17 03:17	LMH	TAL BUF
Total/NA	Prep	7470A			381061	10/10/17 12:20	BMB	TAL BUF
Total/NA	Analysis	7470A_ASP		1	381179	10/10/17 16:39	BMB	TAL BUF
Total/NA	Prep	9012B			381569	10/12/17 15:45	JCL	TAL BUF
Total/NA	Analysis	9012B		1	381733	10/13/17 11:15	JCL	TAL BUF

Client Sample ID: MW-4

Date Collected: 10/05/17 11:30

Date Received: 10/06/17 13:50

Lab Sample ID: 480-125448-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	381812	10/14/17 11:59	AMM	TAL BUF
Total/NA	Prep	3510C			380986	10/10/17 07:45	JMP	TAL BUF
Total/NA	Analysis	8270D		1	381299	10/11/17 23:25	MKP	TAL BUF

TestAmerica Buffalo

Lab Chronicle

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

TestAmerica Job ID: 480-125448-1

Client Sample ID: MW-4

Lab Sample ID: 480-125448-3

Date Collected: 10/05/17 11:30

Matrix: Water

Date Received: 10/06/17 13:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			381140	10/10/17 14:43	SMP	TAL BUF
Total/NA	Analysis	8082A		1	381272	10/11/17 15:04	JMO	TAL BUF

Client Sample ID: MW-5

Lab Sample ID: 480-125448-4

Date Collected: 10/05/17 12:00

Matrix: Water

Date Received: 10/06/17 13:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	381812	10/14/17 12:26	AMM	TAL BUF
Total/NA	Prep	3510C			380986	10/10/17 07:45	JMP	TAL BUF
Total/NA	Analysis	8270D		1	381299	10/12/17 00:52	MKP	TAL BUF
Total/NA	Prep	3510C			381140	10/10/17 14:43	SMP	TAL BUF
Total/NA	Analysis	8082A		1	381272	10/11/17 17:59	JMO	TAL BUF

Client Sample ID: MW-6

Lab Sample ID: 480-125448-5

Date Collected: 10/05/17 12:30

Matrix: Water

Date Received: 10/06/17 13:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	381812	10/14/17 12:53	AMM	TAL BUF
Total/NA	Prep	3510C			380986	10/10/17 07:45	JMP	TAL BUF
Total/NA	Analysis	8270D		1	381299	10/12/17 01:22	MKP	TAL BUF
Total/NA	Prep	3510C			381140	10/10/17 14:43	SMP	TAL BUF
Total/NA	Analysis	8082A		1	381272	10/11/17 18:15	JMO	TAL BUF

Client Sample ID: DUP

Lab Sample ID: 480-125448-6

Date Collected: 10/05/17 00:00

Matrix: Water

Date Received: 10/06/17 13:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	381812	10/14/17 13:19	AMM	TAL BUF
Total/NA	Prep	3510C			380986	10/10/17 07:45	JMP	TAL BUF
Total/NA	Analysis	8270D		1	381299	10/12/17 01:51	MKP	TAL BUF
Total/NA	Prep	3510C			381140	10/10/17 14:43	SMP	TAL BUF
Total/NA	Analysis	8082A		1	381272	10/11/17 18:31	JMO	TAL BUF

Client Sample ID: RW-4

Lab Sample ID: 480-125448-7

Date Collected: 10/05/17 14:30

Matrix: Water

Date Received: 10/06/17 13:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	381812	10/14/17 13:46	AMM	TAL BUF

TestAmerica Buffalo

Lab Chronicle

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

TestAmerica Job ID: 480-125448-1

Client Sample ID: RW-4

Lab Sample ID: 480-125448-7

Date Collected: 10/05/17 14:30

Matrix: Water

Date Received: 10/06/17 13:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			380986	10/10/17 07:45	JMP	TAL BUF
Total/NA	Analysis	8270D		1	381299	10/12/17 02:20	MKP	TAL BUF
Total/NA	Prep	3510C			381140	10/10/17 14:43	SMP	TAL BUF
Total/NA	Analysis	8082A		1	381272	10/11/17 18:47	JMO	TAL BUF

Client Sample ID: RW-5

Lab Sample ID: 480-125448-8

Date Collected: 10/05/17 15:30

Matrix: Water

Date Received: 10/06/17 13:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	381812	10/14/17 14:14	AMM	TAL BUF
Total/NA	Prep	3510C			380986	10/10/17 07:45	JMP	TAL BUF
Total/NA	Analysis	8270D		1	381299	10/12/17 02:50	MKP	TAL BUF
Total/NA	Prep	3510C			381140	10/10/17 14:43	SMP	TAL BUF
Total/NA	Analysis	8082A		1	381272	10/11/17 19:03	JMO	TAL BUF

Client Sample ID: S-1

Lab Sample ID: 480-125448-9

Date Collected: 10/06/17 09:00

Matrix: Water

Date Received: 10/06/17 13:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	382072	10/17/17 06:03	AMM	TAL BUF
Total/NA	Prep	3510C			380986	10/10/17 07:45	JMP	TAL BUF
Total/NA	Analysis	8270D		1	381312	10/12/17 05:16	MKP	TAL BUF
Total/NA	Prep	3510C			380905	10/09/17 15:41	RLT	TAL BUF
Total/NA	Analysis	8081B		1	381040	10/10/17 14:26	JLS	TAL BUF
Total/NA	Prep	3510C			381140	10/10/17 14:43	SMP	TAL BUF
Total/NA	Analysis	8082A		1	381272	10/11/17 20:07	JMO	TAL BUF
Total/NA	Prep	3005A			380806	10/10/17 09:05	EMB	TAL BUF
Total/NA	Analysis	6010C		1	381249	10/11/17 03:21	LMH	TAL BUF
Total/NA	Prep	7470A			381061	10/10/17 12:20	BMB	TAL BUF
Total/NA	Analysis	7470A_ASP		1	381179	10/10/17 16:40	BMB	TAL BUF
Total/NA	Prep	9012B			382108	10/17/17 04:10	KMB	TAL BUF
Total/NA	Analysis	9012B		1	382257	10/17/17 13:04	MDL	TAL BUF

Client Sample ID: S-2

Lab Sample ID: 480-125448-10

Date Collected: 10/06/17 09:30

Matrix: Water

Date Received: 10/06/17 13:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	382161	10/17/17 12:48	ARS	TAL BUF
Total/NA	Prep	3510C			380986	10/10/17 07:45	JMP	TAL BUF
Total/NA	Analysis	8270D		1	381312	10/12/17 05:45	MKP	TAL BUF

TestAmerica Buffalo

Lab Chronicle

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

TestAmerica Job ID: 480-125448-1

Client Sample ID: S-2

Lab Sample ID: 480-125448-10

Date Collected: 10/06/17 09:30

Matrix: Water

Date Received: 10/06/17 13:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			380905	10/09/17 15:41	RLT	TAL BUF
Total/NA	Analysis	8081B		1	381040	10/10/17 14:46	JLS	TAL BUF
Total/NA	Prep	3510C			381140	10/10/17 14:43	SMP	TAL BUF
Total/NA	Analysis	8082A		1	381272	10/11/17 20:23	JMO	TAL BUF
Total/NA	Prep	3005A			380806	10/10/17 09:05	EMB	TAL BUF
Total/NA	Analysis	6010C		1	381249	10/11/17 03:25	LMH	TAL BUF
Total/NA	Prep	7470A			381061	10/10/17 12:20	BMB	TAL BUF
Total/NA	Analysis	7470A_ASP		1	381179	10/10/17 16:43	BMB	TAL BUF
Total/NA	Prep	9012B			381884	10/15/17 11:00	MDL	TAL BUF
Total/NA	Analysis	9012B		1	382032	10/16/17 11:21	MDL	TAL BUF

Laboratory References:

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

Accreditation/Certification Summary

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

TestAmerica Job ID: 480-125448-1

Laboratory: TestAmerica Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	EPA Region	Identification Number	Expiration Date
New York	NELAP	2	10026	03-31-18

The following analytes are included in this report, but accreditation/certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
8260C		Water	1,2-Dichloroethene, Total

Method Summary

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

TestAmerica Job ID: 480-125448-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
8081B	Organochlorine Pesticides (GC)	SW846	TAL BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL BUF
6010C	Metals (ICP)	SW846	TAL BUF
7470A_ASP	Mercury (CVAA)	SW846	TAL BUF
9012B	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: 480-125448-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-125448-1	S-4	Water	10/04/17 13:00	10/06/17 13:50
480-125448-2	S-3	Water	10/04/17 14:00	10/06/17 13:50
480-125448-3	MW-4	Water	10/05/17 11:30	10/06/17 13:50
480-125448-4	MW-5	Water	10/05/17 12:00	10/06/17 13:50
480-125448-5	MW-6	Water	10/05/17 12:30	10/06/17 13:50
480-125448-6	DUP	Water	10/05/17 00:00	10/06/17 13:50
480-125448-7	RW-4	Water	10/05/17 14:30	10/06/17 13:50
480-125448-8	RW-5	Water	10/05/17 15:30	10/06/17 13:50
480-125448-9	S-1	Water	10/06/17 09:00	10/06/17 13:50
480-125448-10	S-2	Water	10/06/17 09:30	10/06/17 13:50

Quantitation Limit Exceptions Summary

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

TestAmerica Job ID: 480-125448-1

The requested project specific reporting limits listed below were less than laboratory standard quantitation limits (PQL) but greater than or equal to the laboratory method detection limits (MDL). It must be noted that results reported below lab standard quantitation limits may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedures do not indicate corrective action for detections below the laboratory's PQL.

Method	Matrix	Analyte	Units	Client RL	Lab PQL
6010C	Water	Arsenic	mg/L	0.010	0.015
6010C	Water	Cadmium	mg/L	0.0010	0.002
6010C	Water	Lead	mg/L	0.0050	0.01
6010C	Water	Selenium	mg/L	0.015	0.025
6010C	Water	Silver	mg/L	0.0030	0.006

Chain of Custody Record

Client Information Client Contact: Thomas Palmer Phone: 800-287-7857 E-Mail: orlette.johnson@testamericainc.com		Lab PM: Johnson, Orlette S Carrier Tracking No(s): 480-102750-22222.1 Page: 1 of 2 Job #:		COC No: 480-102750-22222.1 Page: 1 of 2 Job #:										
Company: Groundwater & Environmental Services Inc Address: 495 Aero Drive Suite 3 City: Cheektowaga State: NY, Zip: 14225 Phone: 800-287-7857(Tel) Email: tpalmer@gesonline.com Project Name: Cherry Farms Annual GW Sample Site:														
Due Date Requested: TAT Requested (days): 30 PO #: 0901469 WO #: 1109 Project #: 48002788 SSOW#:														
Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=soil, BT=biological, AT=air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs - OLM04.2	8270D - (MOD) TCL SVOA - OLM04.2	8260C - (MOD) TCL VOC OLM04.2	8081B - TCL Pesticides - OLM04.2	6010C, 7470A	9012B - Cyanide, Total	Total Number of Containers	Special Instructions/Note:
S-4	10/4/17	1300	G	Water	W	N	2	2	3	2	1	1		
S-3	10/4/17	1400	G	Water	W	N	2	2	3	2	1	1		
MW-4	10/5/17	1130	G	Water	N	Y	6	6	9					*Triple Volume for MS/MSD
MW-5	10/5/17	1200	G	Water	N	N	2	2	3					
MW-6	10/5/17	1230	G	Water	N	N	2	2	3					
Dup	10/5/17		G	Water	N	N	2	2	3					
RW-4	10/5/17	1430	G	Water	N	N	2	2	3					
RW-5	10/5/17	1530	G	Water	N	N	2	2	3					
S-1	10/6/17	0900	G	Water	N	N	2	2	3	2	1	1		
S-2	10/6/17	0730	G	Water	N	N	2	2	3	2	1	1		
				Water										

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:	Date:	Time:	Method of Shipment:
Relinquished by: [Signature]	10/6/17	1350	Company: GES
Relinquished by:			Company:
Relinquished by:			Company:
Relinquished by:			Company:

Custody Seal No.:
 Yes ☐ No ☐

Cooler Temperature(s) °C and Other Remarks:
 7.6/20.0/25.0

Login Sample Receipt Checklist

Client: Groundwater & Environmental Services Inc

Job Number: 480-125448-1

Login Number: 125448

List Source: TestAmerica Buffalo

List Number: 1

Creator: Janish, Carl 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 (Excluding tests with immediate HTs)..	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

		08/08/97	08/19/97	08/20/97	08/21/97	08/22/97	08/25/97	09/04/97	09/12/97	10/03/97	10/13/97	11/21/97	12/05/97	12/24/97	01/06/98	02/02/98	02/18/98	04/01/98	04/27/98	05/27/98	06/25/98	07/31/98
	Original																					
WELL	ELEV.	DTW	DTW	DTW	DTW	DTW	DTW	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)	(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	11.53	11.10	11.34	11.37	11.50	11.58
MW-2	578.76	12.77	12.91	12.94	12.66	12.44	12.83	13.20	13.09	12.77	12.98	13.13	12.84	13.18	12.80	12.81	12.82	12.36	12.57	12.69	12.69	12.91
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	5.48	5.12	5.31	5.50	5.59	5.79
MW-4	583.83	17.76	17.87	18.04	18.82	NM	18.13	18.25	18.25	17.85	17.94	18.20	17.96	18.10	20.17	NM	18.06	18.02	17.90	18.00	17.99	18.09
MW-5	584.14	18.35	18.50	19.06	18.83	18.79	19.02	19.18	19.05	18.60	18.74	18.47	19.11	19.19	18.91	18.82	19.04	18.69	18.78	18.04	18.65	18.73
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	20.80	20.30	20.10	20.38	20.28	20.48
MW-7	586.40	20.30	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	20.92	20.61	20.63	20.78	20.77	21.05
OW-1	573.63	8.05	8.21	8.38	8.05	7.98	8.30	8.60	8.44	8.15	8.29	8.20	8.48	8.76	8.42	8.38	8.50	7.98	8.08	8.25	8.23	8.41
OW-2	584.14	15.52	16.58	15.48	15.45	15.48	15.48	15.60	15.61	15.57	15.55	15.45	15.62	15.57	15.77	15.80	15.62	15.88	15.99	15.93	15.81	16.04
OW-3	576.25	10.59	10.65	10.72	10.79	10.68	10.70	10.88	11.11	10.70	10.80	10.69	11.00	11.07	10.80	10.58	10.92	10.55	10.63	10.60	10.91	10.55
OW-4	572.21	6.55	6.65	6.70	6.49	6.40	6.64	6.95	7.35	6.61	6.77	6.67	6.93	7.07	6.76	6.62	6.90	6.45	6.48	6.60	6.80	6.53
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	16.92	17.16	17.42	17.33	17.39	17.53
OW-5	584.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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	5.70	6.03	5.82	6.01	6.22	6.56	6.25
OW-6	572.17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
OW-7	574.84	8.74	8.79	8.92	8.88	8.97	9.10	9.30	9.28	8.81	9.05	8.96	8.92	9.04	8.51	8.23	8.50	8.30	8.58	8.98	9.26	8.95
OW-8	571.31	5.37	5.42	5.50	8.42	5.38	5.61	5.80	5.80	5.44	5.60	5.59	5.53	5.60	5.27	5.15	5.31	5.22	5.34	5.71	5.74	5.77
OW-9	588.32	21.42	21.46	21.46	21.50	21.51	21.48	21.60	21.62	21.50	21.42	21.08	20.62	20.92	20.72	20.36	20.48	20.32	20.56	21.12	21.55	NM
S-1	571.84	8.80	6.06	7.04	7.67	7.89	8.10	8.50	7.75	6.17	6.05	6.97	7.80	8.07	6.40	6.45	7.68	5.84	5.99	6.00	7.56	7.32
S-2	571.81	10.49	6.15	6.26	NM	6.16	6.23	NM	NM	6.15	6.31	6.20	6.51	6.61	6.28	6.07	6.38	6.01	6.10	6.14	6.40	6.08
S-3	571.84	10.65	5.95	6.03	NM	6.05	6.16	6.36	6.40	6.00	6.18	5.96	6.28	6.33	5.88	5.63	6.03	5.75	5.94	6.10	6.47	6.01
S-4	571.51	8.74	5.39	5.55	5.55	6.61	5.76	5.95	5.92	5.40	5.72	5.65	5.57	5.68	5.10	4.56	4.79	4.92	5.28	5.83	5.79	5.63
RW-1	581.82	16.25	16.32	22.20	NM	NM	NM	NM	NM	NM	NM	NM	16.13	22.17	22.17	21.18	16.28	19.42	21.51	21.31	21.20	21.53
RW-2	581.82	15.91	15.99	22.18	NM	NM	NM	NM	NM	NM	NM	NM	15.85	22.10	21.37	21.95	21.85	21.32	21.61	22.04	21.93	21.55
RW-3	582.30	16.37	16.48	16.66	NM	NM	NM	NM	NM	NM	NM	NM	10.30	22.63	22.70	19.77	21.96	22.29	22.68	22.10	22.24	22.65
RW-4	581.83	15.95	16.09	22.25	NM	NM	NM	NM	NM	NM	NM	NM	19.06	27.77	28.45	28.46	21.51	28.30	28.47	21.95	21.12	21.81
RW-5	582.05	NM	16.37	22.40	NM	NM	NM	NM	NM	NM	NM	NM	16.39	37.67	22.44	22.28	21.70	21.47	33.98	22.27	21.51	22.02
RW-6	570.76	4.89	5.05	11.02	NM	NM	NM	NM	NM	NM	NM	NM	5.21	10.05	10.93	10.14	10.90	10.46	10.40	10.19	10.55	10.42
RW-7	570.67	4.78	4.93	11.05	NM	NM	NM	NM	NM	NM	NM	NM	4.91	10.55	11.06	10.47	10.79	10.85	10.40	10.65	10.23	10.05
RW-8	583.83	17.92	18.07	23.14	NM	NM	NM	NM	NM	NM	NM	NM	22.39	22.51	23.09	18.47	18.40	22.26	22.68	22.63	22.60	18.45
RW-9	583.86	17.88	18.00	24.10	NM	NM	NM	NM	NM	NM	NM	NM	24.05	23.36	23.58	18.45	18.37	23.58	21.75	18.12	18.40	18.50
RW-10	583.28	17.09	17.21	23.55	NM	NM	NM	NM	NM	NM	NM	NM	23.47	23.39	23.52	23.50	22.45	22.82	22.98	23.03	23.26	23.36
RW-11	581.22	15.10	15.18	20.28	NM	NM	NM	NM	NM	NM	NM	NM	20.95	20.24	20.09	20.95	20.83	20.09	20.28	21.13	20.58	NM
SG	568.89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SG	567.75	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

** Staff Gauge, OW-5, and OW-6 were re-surveyed in June 2011.
DTW = depth to water
FEET = feet BTOC
BTOC = below top of casing
NA = Not applicable
D = Destroyed/abandoned well
NM = DTW not measured



Appendix B-1

Historical Water Level Data

		08/27/98	09/28/98	10/21/98	11/23/98	12/29/98	01/28/99	02/22/99	03/29/99	04/19/99	05/28/99	06/25/99	07/25/99	08/27/99	09/27/99	10/25/99	11/08/99	12/22/99	01/27/00	02/25/00	03/24/00	04/26/00
	Original																					
WELL	ELEV.	DTW	DTW	DTW	DTW	DTW	DTW	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)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)
MW-1	577.68	11.65	11.75	11.95	12.41	12.63	12.33	12.65	12.32	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
MW-2	578.76	12.84	12.96	13.11	13.67	13.95	13.75	13.89	13.75	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
MW-3	571.16	5.90	5.96	6.08	6.46	7.05	6.46	6.69	6.50	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
MW-4	583.83	18.18	18.18	18.45	18.87	19.30	19.07	19.12	18.84	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
MW-5	584.14	18.48	18.60	18.92	19.36	19.74	19.71	19.79	19.61	19.50	19.27	19.51	19.30	19.24	19.39	19.24	19.96	19.83	19.52	20.07	20.05	19.93
MW-6	585.70	19.93	20.32	20.30	21.14	21.69	21.65	21.68	21.58	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
MW-7	586.40	20.41	20.78	21.00	21.70	22.13	21.73	21.76	21.74	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
OW-1	573.63	8.30	8.38	8.69	9.14	9.66	9.39	9.56	9.36	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
OW-2	584.14	16.00	15.94	15.94	15.94	16.00	16.21	16.35	16.03	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
OW-3	576.25	10.03	10.10	10.42	10.80	11.38	11.25	11.29	11.27	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
OW-4	572.21	5.91	6.16	6.41	6.88	7.47	7.29	7.34	7.28	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
OW-5	584.16	17.06	16.96	17.06	16.95	17.32	17.80	18.08	17.95	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
OW-5	584.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
OW-6	572.12	4.28	4.45	5.03	5.64	6.77	6.51	6.63	6.67	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
OW-6	572.17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
OW-7	574.84	7.62	6.40	7.25	8.07	9.62	9.23	9.42	9.53	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
OW-8	571.31	4.69	3.92	5.23	5.36	6.43	6.16	6.26	6.36	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
OW-9	588.32	NM	17.43	18.63	20.08	NM	NM	NM	NM	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
S-1	571.84	6.86	5.75	7.70	7.23	7.95	7.68	7.61	7.76	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
S-2	571.81	5.37	5.59	5.88	6.29	6.92	6.77	6.80	6.78	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
S-3	571.84	4.51	4.80	5.23	5.78	6.70	6.41	8.34	6.53	6.61	6.60	6.91	6.73	6.82	6.79	6.71	6.74	6.73	6.59	6.81	6.68	6.68
S-4	571.51	5.51	3.02	3.42	4.70	6.61	5.97	6.13	6.28	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
RW-1	581.82	21.08	21.85	25.35	17.23	27.15	35.55	34.91	30.40	16.85	25.80	17.24	16.81	25.90	26.35	NM	17.48	17.35	17.66	34.67	17.60	25.64
RW-2	581.82	21.53	21.40	25.61	26.01	25.88	26.32	25.81	25.70	25.40	25.65	25.40	26.40	25.51	17.08	17.10	25.51	36.32	36.30	25.27	25.52	25.91
RW-3	582.30	21.59	22.19	26.55	26.77	38.32	26.43	26.71	26.51	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
RW-4	581.83	22.08	21.52	24.51	24.53	17.29	25.25	24.91	25.21	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
RW-5	582.05	22.28	21.75	25.42	37.62	25.61	25.68	37.84	37.57	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
RW-6	570.76	10.12	5.36	15.20	14.23	14.63	6.32	6.29	14.50	15.40	15.48	6.27	15.26	15.31	14.94	15.19	6.67	6.49	6.59	6.88	6.84	15.17
RW-7	570.67	10.37	19.80	14.97	5.72	22.12	14.95	14.90	14.07	14.96	NM	14.83	14.97	14.90	13.38	24.03	14.92	14.96	14.44	14.50	26.89	14.00
RW-8	583.83	22.23	22.69	27.12	26.70	26.12	26.57	26.11	26.62	26.90	26.27	19.29	26.27	26.31	19.22	26.37	26.90	26.21	26.11	26.33	26.67	26.37
RW-9	583.86	17.71	23.93	18.31	27.23	19.63	27.65	27.78	27.17	27.55	NM	19.32	27.25	27.30	19.29	27.05	27.32	19.51	19.30	27.68	27.10	19.44
RW-10	583.28	22.79	23.35	23.31	23.52	22.65	23.11	23.03	23.56	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
RW-11	581.22	20.32	21.07	20.74	21.21	23.12	22.77	22.86	23.23	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
SG	568.89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SG	567.75	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

** Staff Gauge, OW-5, and OW-6 were re-surveyed in June 2011.
DTW = depth to water
FEET = feet BTOC
BTOC = below top of casing
NA = Not applicable
D = Destroyed/abandoned well
NM = DTW not measured



Appendix B-1

Historical Water Level Data

		05/26/00	06/26/00	07/21/00	08/28/00	09/29/00	11/01/00	11/30/00	12/11/00	01/22/01	02/27/01	03/16/01	04/20/01	05/30/01	06/18/01	08/01/01	08/24/01	09/25/01	10/22/01	12/11/01	01/23/02	02/20/02
	Original																					
WELL	ELEV.	DTW	DTW	DTW	DTW	DTW	DTW	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)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)
MW-1	577.68	12.25	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	12.63	12.79	12.67	12.67	12.98	12.58	12.48
MW-2	578.76	13.70	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	13.93	14.13	13.90	14.08	14.50	14.11	13.91
MW-3	571.16	6.29	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	7.01	7.03	7.05	6.76	7.31	7.04	6.75
MW-4	583.83	15.05	16.52	16.23	17.42	18.80	19.35	13.50	18.87	19.69	19.32	19.39	19.00	18.83	18.87	19.22	19.52	19.51	12.27	14.45	8.50	16.02
MW-5	584.14	19.46	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	19.55	19.80	19.67	19.77	20.23	19.88	19.67
MW-6	585.70	21.35	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	21.32	21.47	21.43	21.65	21.92	21.81	21.64
MW-7	586.40	21.47	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	21.76	21.81	21.89	21.92	22.06	21.74	21.43
OW-1	573.63	9.15	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	9.60	9.67	9.53	9.59	10.10	9.77	9.55
OW-2	584.14	16.72	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	16.71	14.67	16.66	15.11	15.18	15.21	16.29
OW-3	576.25	11.18	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	11.67	11.71	11.79	11.45	11.45	11.15	10.84
OW-4	572.21	7.15	6.73	6.73	6.90	7.27	7.83	8.19	7.83	7.98	7.67	7.60	7.51	7.20	7.15	7.73	7.68	7.72	7.50	7.53	7.21	6.98
OW-5	584.16	18.21	17.91	17.71	17.70	17.68	17.98	18.27	18.31	18.58	18.48	18.53	18.24	18.25	18.14	18.16	18.24	18.32	18.52	18.65	18.01	17.69
OW-5	584.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
OW-6	572.12	6.70	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	7.29	7.26	7.34	7.05	7.01	6.54	6.14
OW-6	572.17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
OW-7	574.84	9.43	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	10.12	10.17	10.30	9.87	9.91	9.23	8.71
OW-8	571.31	6.31	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	6.81	6.91	6.98	6.79	6.92	6.46	6.02
OW-9	588.32	21.48	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	22.12	22.17	22.37	22.06	21.90	21.38	20.92
S-1	571.84	7.79	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	7.53	7.27	7.26	6.56	8.21	7.95	7.90
S-2	571.81	6.60	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	7.17	7.15	7.23	6.91	6.91	6.57	6.31
S-3	571.84	6.55	5.99	6.03	6.27	6.85	7.52	7.78	7.41	7.53	7.10	6.90	6.91	6.46	6.47	7.29	7.13	7.27	6.91	6.85	6.40	5.98
S-4	571.51	6.14	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	6.56	6.59	6.71	6.45	6.72	6.16	5.39
RW-1	581.82	25.68	16.61	16.57	NM	33.05	17.38	16.57	26.50	35.65	34.39	17.82	17.05	16.71	16.95	33.22	27.04	32.51	33.12	35.85	34.45	26.78
RW-2	581.82	25.95	25.46	16.37	NM	26.05	25.45	25.82	25.61	26.29	25.90	25.94	26.07	15.15	25.45	25.69	17.50	25.31	25.43	25.50	25.57	25.61
RW-3	582.30	19.83	19.68	16.82	NM	38.22	36.06	38.47	37.34	34.30	28.45	21.10	29.14	30.56	30.58	28.61	35.13	32.19	22.65	34.11	31.95	30.25
RW-4	581.83	21.78	21.91	16.46	NM	16.88	25.85	26.60	26.27	25.45	25.47	17.97	25.40	25.48	25.77	17.26	26.33	26.35	17.46	26.16	17.55	25.94
RW-5	582.05	26.20	26.47	16.74	NM	37.06	37.83	36.50	37.41	37.70	28.55	22.27	21.82	21.01	20.51	20.58	22.95	24.00	24.90	25.49	17.75	17.48
RW-6	570.76	9.76	5.82	5.48	NM	15.43	15.08	19.48	22.90	16.40	13.14	11.29	10.24	6.08	6.06	14.77	6.40	14.30	14.71	15.35	8.29	7.48
RW-7	570.67	14.28	14.24	5.37	NM	5.84	14.30	14.10	19.55	6.70	6.51	6.90	18.35	14.55	14.88	14.43	6.29	14.99	14.92	6.75	14.75	14.90
RW-8	583.83	26.32	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	19.33	26.41	19.38	19.55	26.45	26.70	26.07
RW-9	583.86	27.58	27.10	18.50	21.55	18.95	19.50	19.91	20.13	19.78	27.15	27.52	27.42	28.01	27.04	19.32	19.45	27.23	27.26	19.77	27.15	27.07
RW-10	583.28	22.63	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	22.64	18.74	23.33	23.03	22.55	23.05	22.88
RW-11	581.22	22.71	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	23.07	23.53	23.36	23.49	23.55	23.22	23.59
SG	568.89	NA	NA	NA	0.73	0.65	0.06	0.30	DRY	DRY	DRY	DRY	0.44	0.52	0.62	0.54	0.35	0.62	0.30	DRY	DRY	DRY
SG	567.75	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

** Staff Gauge, OW-5, and OW-6 were re-surveyed in June 2011.
DTW = depth to water
FEET = feet BTOC
BTOC = below top of casing
NA = Not applicable
D = Destroyed/abandoned well
NM = DTW not measured



Appendix B-1

Historical Water Level Data

		03/28/02	04/24/02	05/23/02	06/17/02	07/25/02	08/20/02	09/18/02	10/18/02	11/22/02	12/16/02	01/30/03	02/28/03	03/11/03	04/15/03	05/28/03	06/23/03	07/18/03	08/29/03	09/24/03	10/24/03	11/25/03
	Original																					
WELL	ELEV.	DTW	DTW	DTW	DTW	DTW	DTW	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)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)
MW-1	577.68	12.48	12.07	11.87	11.90	12.45	12.28	12.44	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	13.96	13.48	13.25	13.26	13.80	13.57	13.62	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	6.89	6.51	6.29	6.21	6.89	6.81	6.95	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	16.51	18.55	18.64	18.81	19.25	19.02	19.12	18.76	19.05	19.05	NM	NM	NM	18.50	18.38	18.12	18.51	18.60	18.58	18.81	16.37
MW-5	584.14	19.71	19.25	19.04	19.10	19.56	19.31	19.52	19.23	20.01	20.04	NM	20.15	19.96	19.27	19.17	18.83	19.17	19.30	19.21	19.68	19.26
MW-6	585.70	21.56	20.96	20.87	20.81	21.22	21.02	21.22	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	21.60	20.90	20.73	20.94	21.55	21.35	21.50	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	9.67	9.28	8.82	8.93	7.42	9.28	9.31	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	16.41	15.37	16.17	16.06	16.20	16.30	16.22	15.12	16.09	16.42	NM	16.15	16.38	16.26	16.20	16.15	16.35	16.21	16.11	16.34	16.09
OW-3	576.25	10.86	10.47	10.37	10.58	10.83	10.87	11.08	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	6.94	6.61	6.53	6.63	6.94	6.92	7.08	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	17.70	17.40	17.15	17.30	17.41	17.39	17.57	17.79	17.84	18.00	NM	17.98	18.12	17.84	17.64	17.60	17.46	17.51	17.64	17.95	17.56
OW-5	584.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
OW-6	572.12	6.22	5.72	5.57	5.88	6.40	6.48	6.73	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
OW-7	574.84	8.87	8.31	8.07	8.47	9.02	9.21	9.48	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	6.18	5.77	5.55	5.87	6.40	6.30	6.58	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	21.27	20.77	20.48	21.07	21.68	21.87	22.07	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	7.72	5.82	5.85	6.15	6.19	6.15	5.92	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	6.30	5.89	5.83	6.01	6.33	NM	6.60	6.75	6.97	7.10	NM	7.54	7.06	6.62	6.64	6.40	6.38	7.21	7.46	7.36	6.56
S-3	571.84	6.03	5.54	5.42	5.68	6.11	6.27	6.54	6.69	6.56	6.52	NM	6.83	6.50	6.15	6.35	6.10	6.00	6.35	6.92	7.04	6.15
S-4	571.51	5.64	5.07	4.72	5.23	5.71	5.98	6.26	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	34.11	32.39	31.25	26.25	33.71	34.30	34.22	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	26.32	25.47	26.40	25.35	25.99	26.50	17.35	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	29.02	26.10	29.27	30.10	31.28	32.20	33.89	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	17.45	16.55	16.75	25.85	25.97	17.04	26.35	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	23.81	23.55	22.15	22.53	27.20	27.61	35.15	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	7.61	14.80	14.12	14.81	11.07	14.95	14.61	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	14.50	14.43	14.31	14.95	14.95	14.79	14.78	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	27.03	18.95	26.76	19.05	19.18	18.99	19.12	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	26.91	18.81	27.92	27.71	28.10	28.41	27.64	19.01	19.22	18.74	NM	17.77	19.53	D	D	D	D	D	D	D	D
RW-10	583.28	23.20	17.89	17.85	17.93	21.35	18.15	18.49	18.46	18.81	18.68	NM	18.88	19.68	17.91	17.92	17.65	18.14	18.15	18.18	18.46	18.10
RW-11	581.22	23.12	15.38	22.81	15.61	22.51	23.11	23.55	16.37	16.55	16.37	NM	NM	NM	15.58	15.85	15.43	15.82	16.08	15.91	16.14	15.65
SG	568.89	DRY	0.40	0.65	0.65	0.65	0.65	0.80	0.65	DRY	DRY	NM	NM	NM	0.20	0.50	0.95	0.45	0.85	0.80	0.20	0.15
SG	567.75	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

** Staff Gauge, OW-5, and OW-6 were re-surveyed in June 2011.
DTW = depth to water
FEET = feet BTOC
BTOC = below top of casing
NA = Not applicable
D = Destroyed/abandoned well
NM = DTW not measured



Appendix B-1

Historical Water Level Data

		12/15/03	01/20/04	02/26/04	03/09/04	04/23/04	05/27/04	06/07/04	07/21/04	08/20/04	09/24/04	10/28/04	02/15/05	04/20/05	08/01/05	12/08/05	03/21/06	06/23/06	09/26/06	12/19/06	12/27/07	03/31/08
	Original																					
WELL	ELEV.	DTW	DTW	DTW	DTW	DTW	DTW	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)	(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	12.42	12.01	11.56	11.48	12.10	12.11	10.33
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	14.20	13.77	13.10	13.33	13.78	13.95	13.36
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	6.71	6.44	5.83	5.87	6.30	6.51	5.80
MW-4	583.83	17.68	NM	NM	NM	1.85	1.65	16.20	18.13	17.97	18.07	18.80	NM	14.45	18.28	18.80	18.71	17.95	16.40	16.18	17.36	NM
MW-5	584.14	19.72	19.52	NM	19.75	19.26	18.89	18.80	18.83	18.72	18.78	19.55	19.14	18.73	18.90	19.80	19.47	18.58	18.94	19.31	19.72	18.93
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	21.58	21.29	20.49	20.73	20.95	21.49	20.66
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	21.45	21.22	20.75	20.94	20.96	21.33	20.54
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	9.33	9.17	8.37	8.58	8.93	NM	8.34
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	15.15	15.30	15.13	15.11	15.15	NM	15.22
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	10.12	9.58	10.20	10.13	9.16	NM	8.82
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	6.72	6.47	6.51	6.65	6.24	NM	6.25
OW-5	584.16	17.39	NM	NM	17.39	16.88	16.52	16.65	16.70	16.61	16.45	16.78	16.52	16.05	16.67	17.31	16.39	16.72	16.80	16.08	NM	11.70
OW-5	584.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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	5.80	5.47	5.95	5.91	4.80	NM	4.32
OW-6	572.17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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	NM	9.00	8.51	8.17	8.65	5.63	7.38	NM	6.88
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	5.85	5.80	5.98	5.97	5.40	NM	5.11
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	20.77	20.58	21.49	21.29	20.06	NM	19.75
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	5.45	7.71	5.67	5.55	4.70	NM	4.11
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	5.65	5.34	5.70	5.66	4.65	NM	4.30
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	5.54	5.20	5.61	5.63	4.50	NM	4.15
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	5.92	5.66	5.37	5.68	4.95	NM	NM
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	D	D	D	D	D	D	D	D
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	D	D	D	D	D	D	D	D
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	D	D	D	D	D	D	D	D
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	17.32	16.95	16.08	16.42	16.80	17.24	16.45
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	17.53	17.27	16.35	16.55	17.10	17.49	10.70
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	D	D	D	D	D	D	D	D
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	D	D	D	D	D	D	D	D
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	D	D	D	D	D	D	D	D
RW-9	583.86	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
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	D	D	D	D	D	D	D	D
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	D	D	D	D	D	D	D	D
SG	568.89	0.10	NM	NM	NM	0.40	0.60	1.00	0.90	0.90	0.90	0.10	0.40	0.90	1.05	DRY	0.70	1.80	1.00	1.80	NM	2.80
SG	567.75	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

** Staff Gauge, OW-5, and OW-6 were re-surveyed in June 2011.
DTW = depth to water
FEET = feet BTOC
BTOC = below top of casing
NA = Not applicable
D = Destroyed/abandoned well
NM = DTW not measured

Appendix B-1

Historical Water Level Data

		06/27/08	09/26/08	11/05/08	03/04/09	06/19/09	09/09/09	12/24/09	01/27/10	04/28/10	07/08/10	10/18/10	01/03/11	06/17/11	09/30/11	12/23/11	01/31/12	06/11/12	08/06/12	11/28/12	03/13/13	05/15/13
	Original																					
WELL	ELEV.	DTW	DTW	DTW	DTW	DTW	DTW	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)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)
MW-1	577.68	11.91	12.23	12.48	12.04	11.75	11.94	12.44	11.38	11.91	11.86	11.98	12.03	11.21	11.24	11.42	11.29	11.92	13.31	12.36	12.14	11.87
MW-2	578.76	13.59	13.91	14.29	13.72	13.35	13.58	14.21	12.99	13.56	13.55	16.69	13.88	12.85	12.68	13.38	12.98	13.69	13.83	14.36	14.05	13.65
MW-3	571.16	6.03	6.52	6.74	6.29	5.82	6.39	6.70	5.60	6.06	6.18	5.25	6.41	5.54	5.36	5.88	5.68	6.34	6.69	6.86	6.42	6.16
MW-4	583.83	18.31	18.62	19.01	18.44	18.10	18.32	18.96	15.36	18.41	18.31	19.45	16.42	17.61	NM	NM	NM	18.41	18.77	19.03	11.57	18.45
MW-5	584.14	19.01	19.32	19.79	19.27	18.80	19.01	19.81	18.71	19.06	18.98	19.20	19.54	18.23	18.17	18.91	18.70	19.11	19.26	19.86	19.54	19.15
MW-6	585.70	20.84	21.29	21.71	21.06	20.65	20.63	21.59	20.41	20.79	20.79	20.99	21.37	20.06	19.98	20.68	20.51	21.06	21.10	21.73	21.42	21.05
MW-7	586.40	21.08	21.44	21.83	20.93	20.80	21.01	21.18	20.24	20.88	20.94	21.22	21.28	20.11	20.42	20.55	20.31	21.12	21.46	21.87	21.34	21.09
OW-1	573.63	8.86	9.21	9.52	8.89	8.50	8.82	9.31	8.29	8.61	8.81	9.02	9.03	7.88	7.92	8.48	8.16	9.11	9.18	9.56	9.19	8.57
OW-2	584.14	15.29	15.41	15.47	15.36	15.10	15.16	15.15	15.09	14.89	14.82	15.07	15.21	14.52	14.65	14.83	14.51	14.64	14.92	15.25	15.85	15.19
OW-3	576.25	9.98	10.40	10.51	9.49	9.75	9.79	9.38	8.98	9.14	9.60	9.91	9.57	8.51	9.99	8.78	8.41	9.68	10.35	10.70	9.35	9.42
OW-4	572.21	6.82	7.21	7.38	6.57	6.52	6.66	6.69	6.23	6.57	NM	6.98	6.90	5.96	6.39	6.39	6.24	6.84	7.36	8.08	6.99	6.76
OW-5	584.16	16.35	16.80	16.98	16.52	15.98	16.09	16.12	16.04	15.96	15.74	16.64	16.79	NA	NA	NA	NA	NA	NA	NA	NA	NA
OW-5	584.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	15.19	15.70	15.83	15.29	15.66	16.31	17.33	17.06	16.56
OW-6	572.12	5.59	6.16	6.35	4.99	5.27	5.46	5.11	4.74	4.96	5.37	5.52	5.54	NA	NA	NA	NA	NA	NA	NA	NA	NA
OW-6	572.17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.33	5.63	4.71	4.37	5.42	6.26	6.47	5.15	5.14
OW-7	574.84	8.29	8.99	9.16	7.66	7.95	8.24	7.76	7.28	7.68	8.11	8.21	8.46	6.98	8.64	7.42	7.04	8.07	9.60	9.77	7.79	7.74
OW-8	571.31	5.81	6.41	6.61	5.41	5.61	5.71	5.86	5.28	5.49	5.71	5.80	5.79	5.09	5.81	5.41	5.32	5.94	6.77	7.00	5.60	5.56
OW-9	588.32	20.96	21.74	21.81	20.22	20.88	20.76	21.61	20.10	20.31	20.66	20.88	20.93	19.78	21.36	20.11	19.76	20.98	21.78	21.73	20.36	20.53
S-1	571.84	7.61	9.02	5.95	5.14	5.75	7.94	4.98	4.48	4.64	5.35	5.62	4.98	4.04	5.46	4.77	3.74	7.06	7.47	7.61	5.86	5.47
S-2	571.81	5.39	5.85	5.99	4.82	5.02	5.21	4.75	4.49	4.61	5.05	5.31	5.09	3.98	5.41	4.86	3.87	5.04	5.78	6.20	4.75	4.83
S-3	571.84	5.29	5.94	5.99	4.70	4.82	5.21	4.72	4.42	4.59	5.07	5.21	5.16	3.93	5.33	5.05	3.94	5.00	5.90	6.15	4.75	4.86
S-4	571.51	5.46	6.06	6.25	4.95	5.40	5.71	5.06	3.92	5.15	5.65	5.91	6.14	4.80	6.90	5.85	5.83	4.77	8.70	8.78	5.55	6.06
RW-1	581.82	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
RW-2	581.82	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
RW-3	582.30	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
RW-4	581.83	16.45	16.85	17.18	16.77	16.28	16.49	17.51	NM	16.57	16.45	16.66	17.05	15.76	15.65	16.37	16.20	16.60	16.77	17.37	17.00	16.70
RW-5	582.05	16.81	17.11	17.52	17.02	16.61	16.80	NM	NM	16.88	16.75	16.91	17.26	16.03	NM	12.79	16.45	16.88	16.96	17.70	17.40	17.06
RW-6	570.76	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
RW-7	570.67	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
RW-8	583.83	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
RW-9	583.86	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
RW-10	583.28	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
RW-11	581.22	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
SG	568.89	3.10	2.60	2.01	3.43	4.25	4.10	3.10	4.20	3.90	4.30	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SG	567.75	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.45	2.05	3.20	3.10	3.40	3.01	4.04	3.60	3.07

** Staff Gauge, OW-5, and OW-6 were re-surveyed in June 2011.
DTW = depth to water
FEET = feet BTOC
BTOC = below top of casing
NA = Not applicable
D = Destroyed/abandoned well
NM = DTW not measured



Appendix B-1

Historical Water Level Data

		09/27/13	12/09/13	03/28/14	06/27/14	09/29/14	11/05/14	03/23/15	06/19/15	09/24/15	12/28/15	03/21/16	06/20/16	09/26/16	12/19/16	03/20/17	06/26/17	09/25/17	11/29/17
	Original																		
WELL	ELEV.	DTW	DTW	DTW	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)	(FEET)	(FEET)	(FEET)
MW-1	577.68	11.83	12.01	12.05	11.99	11.95	11.83	12.08	11.36	11.51	12.34	11.57	11.31	11.61	12.00	11.53	10.81	11.02	11.15
MW-2	578.76	13.60	13.70	13.91	13.15	13.56	13.51	13.97	13.02	13.28	14.21	12.27	12.90	12.91	13.72	13.35	12.40	12.63	13.12
MW-3	571.16	5.76	6.27	6.50	6.27	6.17	6.05	6.55	5.65	5.82	NM	3.98	5.32	5.79	NM	5.86	5.15	5.27	5.79
MW-4	583.83	18.40	18.45	18.75	18.13	18.48	18.29	12.50	15.38	18.10	5.17	18.14	17.85	17.92	8.60	6.42	17.31	17.93	17.97
MW-5	584.14	19.50	19.30	19.51	18.75	19.03	18.97	19.69	18.75	18.78	19.85	18.80	18.35	18.41	18.74	18.81	17.79	18.40	18.75
MW-6	585.70	20.97	21.05	21.37	20.57	20.96	20.90	21.56	20.52	20.67	21.87	20.57	20.17	20.44	21.10	20.72	19.70	20.36	20.52
MW-7	586.40	21.15	20.90	21.22	20.75	21.23	21.15	21.40	20.54	20.91	21.70	20.63	20.44	20.96	21.31	20.77	19.96	20.50	20.57
OW-1	573.63	8.90	8.88	9.06	8.77	9.09	8.91	8.99	8.37	8.66	9.17	8.47	8.27	8.40	8.77	8.09	7.31	8.08	8.04
OW-2	584.14	9.21	15.32	14.85	14.70	14.79	15.01	15.39	15.25	15.05	15.37	15.07	14.80	15.74	15.21	14.90	14.25	14.35	15.46
OW-3	576.25	9.75	9.55	9.11	9.52	9.95	10.21	9.30	8.88	9.90	9.88	8.86	8.10	10.17	10.12	8.95	8.48	9.75	9.07
OW-4	572.21	6.90	6.55	6.69	6.60	6.97	7.11	6.86	6.27	6.74	6.95	6.37	6.30	6.82	7.11	6.44	5.74	6.50	6.35
OW-5	584.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
OW-5	584.03	16.80	16.49	16.35	15.89	16.29	16.76	17.35	16.10	16.43	17.25	16.18	16.10	16.14	17.47	16.58	15.08	15.30	15.02
OW-6	572.12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
OW-6	572.17	5.57	4.97	5.02	5.02	5.77	6.07	5.29	4.80	5.56	5.83	4.62	4.44	6.10	5.92	5.97	4.43	5.68	5.01
OW-7	574.84	8.38	7.70	7.50	7.11	8.61	8.86	7.81	7.17	8.26	8.43	7.02	6.99	8.73	8.44	7.40	6.84	8.23	7.41
OW-8	571.31	6.04	5.40	5.50	5.44	6.31	6.15	5.50	5.30	5.96	6.18	5.09	5.00	5.89	6.03	5.17	4.66	5.56	5.07
OW-9	588.32	20.93	20.20	20.15	20.22	21.29	21.50	20.70	20.00	21.06	21.37	19.87	19.71	21.38	21.11	20.12	19.77	20.99	20.20
S-1	571.84	6.10	5.11	5.12	4.89	6.54	7.44	4.89	4.56	5.44	4.95	6.14	6.20	4.70	4.48	3.43	2.91	3.65	3.07
S-2	571.81	5.18	4.90	4.50	4.55	5.38	5.81	4.73	4.52	5.30	5.31	4.22	4.15	5.71	5.57	4.46	3.92	5.32	4.54
S-3	571.84	5.20	4.81	4.50	4.43	5.44	5.76	4.65	4.47	5.25	5.37	4.20	4.13	5.82	5.67	4.57	4.06	4.65	4.62
S-4	571.51	6.45	5.95	5.32	4.60	7.25	6.57	4.82	5.34	5.68	6.60	3.80	3.92	5.52	5.13	4.06	3.52	4.92	4.10
RW-1	581.82	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
RW-2	581.82	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
RW-3	582.30	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
RW-4	581.83	16.55	16.73	17.01	16.37	16.57	16.55	17.23	16.50	16.30	17.35	16.34	15.99	15.93	16.79	16.47	15.30	15.92	16.30
RW-5	582.05	16.95	17.00	17.25	16.61	16.90	16.90	16.72	16.60	16.57	9.80	16.65	16.25	16.46	10.61	14.95	15.90	15.27	15.40
RW-6	570.76	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
RW-7	570.67	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
RW-8	583.83	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
RW-9	583.86	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
RW-10	583.28	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
RW-11	581.22	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
SG	568.89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SG	567.75	3.19	3.40	3.96	2.79	3.13	3.27	3.92	2.97	2.74	4.37	2.80	2.94	2.38	3.32	2.97	1.68	2.43	2.72

** Staff Gauge, OW-5, and OW-6 were re-surveyed in June 2011.
DTW = depth to water
FEET = feet BTOC
BTOC = below top of casing
NA = Not applicable
D = Destroyed/abandoned well
NM = DTW not measured



Appendix B-2 – Historically Detected Compounds (Monitoring Wells, 1997-2017)

Appendix B-2

Monitoring Well Historically Detected Compounds

Cherry Farm Groundwater Analytical Data Historically Detected Compounds		NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample ID: Source: SDG: Matrix: Sampled:	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
CAS NO.	COMPOUND	UNITS:																		
VOLATILES																				
67-64-1	Acetone	50 (G)	(µg/L)	ND	ND	ND	ND	4 J	5 J, B	ND	ND	ND	2 J	ND	ND	2 J, B	ND	ND	2 J, B	4 B, J
75-15-0	Carbon disulfide	60 (G)	(µg/L)	ND	ND	ND	ND		19	ND	7 J	ND	ND	ND	ND	8 J	ND	ND	ND	ND
75-09-2	Methylene chloride	5	(µg/L)	ND	ND	ND	ND	2 J	1 J, B	ND	ND	1 J	ND	1 J, B	1 J	0.8 J, B	ND	ND	0.7 J, B	0.6 B, J
108-88-3	Toluene	5	(µg/L)	2 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1330-20-7	Xylene (total)	5	(µg/L)	2 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total VOCs				4	ND	ND	ND	6	25	ND	7	1	2	1	1	2.8	8	ND	2.7	4.6
SEMIVOLATILES																				
117-81-7	bis(2-ethylhexyl)phthalate	5	(µg/L)	2 J, B	ND	ND	ND	ND	ND	ND	ND	ND	2 J	ND	ND	ND	ND	ND	ND	ND
56-55-3	Benzo(a)anthracene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
56-32-8	Benzo(a)pyrene	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
205-98-2	Benzo(b)fluoranthene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
191-24-2	Benzo(g,h,i)perylene	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
207-08-9	Benzo(k)fluoranthene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
85-68-7	Butyl benzyl phthalate	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
218-01-9	Chrysene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
84-66-2	Diethyl phthalate	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
84-74-2	Di-n-butyl phthalate	50	(µg/L)	2 J, B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
117-84-0	Di-n-octyl phthalate	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
193-39-5	Indeno(1,2,3-cd)pyrene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
129-00-0	Pyrene	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total SVOCs				4	ND	ND	ND	ND	ND	ND	ND	2	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.
MS = Matrix Spike
MSD = Matrix Spike Duplicate
NS = No Standard
(G) = Guidance Value
ND = Concentration was 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.
E = Concentration exceeds method limit.
F1 = MS or MSD Recovery is outside acceptance limits



Appendix B-2
Monitoring Well Historically Detected Compounds

Cherry Farm Groundwater Analytical Data Historically Detected Compounds		NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample ID: Source: SDG: Matrix: Sampled:	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 27440	MW-1 A7549	MW-1 B4250	MW-1 E1139	MW-1 0508015-004A
CAS NO.	COMPOUND		UNITS:																	
PESTICIDES																				
309-00-2	Aldrin	ND	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0081 J, P	ND	ND	ND	ND	ND
319-84-6	alpha-BHC	0.01	(µg/L)	ND	0.00055 J, P	ND	0.0012 J	ND	0.01 B, J, P	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
319-85-7	beta-BHC	0.04	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.015 J, P	ND	ND
50-29-3	4,4'-DDT	0.2	(µg/L)	ND	ND	ND	ND	ND	ND	ND	0.0033 J, P	0.0009 J, P	ND	ND	ND	ND	ND	ND	ND	ND
60-57-1	Dieldrin	0.004	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0011 J, P	ND	ND	ND	ND	ND	ND	ND
939-98-8	Endosulfan I	NS	(µg/L)	ND	ND	ND	0.00072 J, P	ND	0.003 J, P	0.0034 B, J, P	ND	ND	ND	ND	ND	ND	0.0038 J, P	ND	ND	ND
1031-07-8	Endosulfan sulfate	NS	(µg/L)	ND	ND	ND	0.0022 B, J, P	0.0013 J, P	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
72-20-8	Endrin	ND	(µg/L)	ND	44 B	ND	ND	ND	ND	0.0032 J, P	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
7421-33-4	Endrin aldehyde	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0069 B, J, P	ND	ND	ND	0.006 B, J	ND	ND	ND
53494-70-5	Endrin ketone	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0037 J, P	ND	ND	ND
58-89-8	gamma-BHC (Lindane)	0.05	(µg/L)	ND	ND	ND	ND	ND	0.032 J	0.00053 J, P	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
5102-74-2	gamma-Chlordane	0.05	(µg/L)	ND	ND	ND	0.01 J, P	0.0024 J, P	0.008 B, J, P	0.003 J	0.0015 J, P	ND	ND	ND	ND	ND	0.015 J, P	ND	0.0045 B, J, P	ND
1024-57-3	Heptachlor epoxide	0.03	(µg/L)	ND	ND	ND	ND	ND	0.0038 J	0.0019 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
72-43-5	Methoxychlor	35	(µg/L)	ND	ND	ND	ND	ND	ND	ND	0.0042 B, J, P	ND	ND	ND	ND	ND	ND	ND	ND	ND
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
PCBs																				
None detected			(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PCBs				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	4760
7440-38-0	Antimony	3	(µg/L)	ND	ND	ND	ND	1.7 B	3.2 B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
7440-38-2	Arsenic	25	(µg/L)	35.3	23.9	25	23.8	23.9	23.5	29.9	29.4	29.7	29.6	40.6	28.7	38.8	35.6	28.7	31.3	29.7
7440-39-0	Barium	1000	(µg/L)	733	353	447	340	353	353	472	516	624	537	821	419	1170	731	650	603	1170
7440-41-7	Beryllium	3 (G)	(µg/L)	0.46 B	0.1 B	0.17 B	ND	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	0.1 B	0.1 B
7440-43-8	Cadmium	5	(µg/L)	1.8 B	0.48 B	ND	ND	ND	0.62 B	ND	ND	ND	ND	ND	ND	ND	ND	0.1	ND	ND
7440-47-5	Calcium	NS	(µg/L)	188,000	203,000	213,000	206,000	214,000	222,000	247,000	243,000	270,000	232,000	256,000	273,000	279,000	217,000	230,000	207,000	273,000
7440-47-8	Chromium	NS	(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	9.3 B
7440-48-4	Cobalt	NS	(µg/L)	ND	ND	ND	ND	ND	2.8 B	3.5 B	3.4 B	2.8 B	5.9 B	ND	5.4 B	ND	ND	ND	ND	ND
7440-50-8	Copper	200	(µg/L)	ND	5.3 B	4.6 B	5.2 B	7.2 B	3.8 B	11.3 B	13.9 B	11.7 B	10.3 B	17 B	6.9 B	23 B	7.4 B	6.8 B	4.4 B	6.9 B
7439-89-6	Iron	300	(µg/L)	7,410	10,300	11,800	11,600	13,100	9,120	16,600	19,900	14,500	16,500	22,700	14,000	30,600	14,700	14,700	12,000	14,700
7439-92-1	Lead	25	(µg/L)	ND	1.1 B	1.3 B	ND	4.5	3.4	5	5.6	8.2	4.8	8.5	5.8 N	10.6	2.7 B	2.6 B	2.6 B	2.6 B
7439-95-4	Magnesium	35000 (G)	(µg/L)	54,600	47,400	52,600	49,200	53,500	52,700	64,300	62,900	56,100	55,900	66,000	65,900	71,700	57,000	56,300	52,400	65,900
7439-96-5	Manganese	300	(µg/L)	58.2	136	188	157	201	155	297	309	344	208	387	406	563	210	191	165	387
7440-02-0	Nickel	100	(µg/L)	ND	4.9 B	4.9 B	4.4 B	6.9 B	2.8 B	11.1 B, E	13.7 B	10.4 B	19 B	2.2 B	19 B	5.5 B	6.5 B	6 B	6 B	19 B
7440-09-7	Potassium	NS	(µg/L)	2280	1320 B	1790 B	1790 B	1390 B	1780 B	2680 B	3880 B	3320 B, E	3280 B	3820 B	3920 B	5210	3080 B	2990 B	2510 B	3920 B
7782-49-2	Selenium	10	(µg/L)	ND	ND	ND	ND	2.3 B	ND	3.2 B	ND	ND	ND	ND	ND	ND	ND	2.7 B	ND	ND
7440-22-4	Silver	50	(µg/L)	1.3 B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
7440-22-5	Sodium	20000	(µg/L)	35,500	33,100	38,800	34,400	33,400	39,100	43,600 E	43,600	40,900	40,500	42,100	40,800 E	42,100	40,500	44,000	41,100	40,500
7440-28-0	Thallium	0.5 (G)	(µg/L)	16	4.4 B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
7440-62-2	Vanadium	NS	(µg/L)	ND	3.5 B	5.9 B	4.1 B	5.5 B	2.4 B	9.2 B, E	13.2 B	8.9 B	9.1 B	15.9 B	8.4 B	23.1 B	8 B	6.2 B	5.9 B	8.4 B
7440-68-6	Zinc	2000 (G)	(µg/L)	57	28.5	19.3 B	28.3	55.7	13.6 B	46.4	49.4	34.6	26.6	46.2	38.8	68.4	47.5	18.8	21.2	38.8
57-12-5	Cyanide	200	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.4 B	ND	ND	ND
Total Inorganics				288,968	297,269	321,773	305,495	318,793	326,102	379,841	381,421	390,789	353,860	399,811	402,205	442,049	337,432	352,589	319,087	NA

Notes:
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MSD = Matrix Spike Duplicate
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Appendix B-2

Monitoring Well Historically Detected Compounds

Cherry Farm Groundwater Analytical Data Historically Detected Compounds		NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample ID: Source: SDG: Matrix: Sampled:	MW-1 0603100-003A	MW-1 A7E98502	MW-1 A8E15002	MW-1 RSI0359-01	MW-1 RTF0798-01	MW-1 480-2185-1	MW-1 480-14453-1	MW-1 480-23574-7	MW-1 480-38363-1	MW-1 480-56775-1	MW-1 480-70616-6	MW-1 480-83528-6	MW-1 480-101674-2	MW-1 (MS/MSD) 480-101969-1	MW-1 Not Sampled	MW-1 Not Sampled
CAS NO.	COMPOUND	UNITS:																	
	VOLATILES																		
67-64-1	Acetone	50 (G)	(µg/L)	2 B, J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
75-15-0	Carbon disulfide	60 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
75-09-2	Methylene chloride	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
108-88-3	Toluene	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
1330-20-7	Xylene (total)	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
	Total VOCs			2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA
	SEMIVOLATILES																		
117-81-7	bis(2-ethylhexyl)phthalate	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND F1		
55-55-5	Benzo[a]anthracene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	0.80 J B	ND	ND	ND	ND	ND		
50-32-6	Benzo[a]pyrene	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	0.45 J	ND	ND	ND	ND	ND		
205-98-2	Benzo[b]fluoranthene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	0.79 J B	ND	ND	ND	ND	ND		
191-24-2	Benzo[k]fluoranthene	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	0.62 J	ND	ND	ND	ND	ND		
207-08-9	Benzo[a]fluoranthene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	0.84 J	ND	ND	ND	ND	ND		
85-68-7	Butyl benzyl phthalate	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	1.1 J B	ND	ND	ND	ND	ND		
218-01-9	Chrysene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	0.32 J	ND	ND	ND	ND	ND		
84-66-2	Diethyl phthalate	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	0.32 J	ND	ND	ND	ND	ND		
84-74-2	Di-n-butyl phthalate	50	(µg/L)	ND	0.4 B, J	ND	0.49 J	ND	0.39 J	1.7 J, B	ND	0.77 J B	ND	ND	ND	ND	ND		
117-84-0	Di-n-octyl phthalate	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	0.85 J B	ND	ND	ND	ND	ND F1		
193-39-5	Indeno[1,2,3-cd]pyrene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	0.50 J	ND	ND	ND	ND	ND		
129-00-0	Pyrene	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	0.44 J	ND	ND	ND	ND	ND		
	Total SVOCs			ND	0.4	ND	0.49	ND	0.39	1.7	ND	7.48	ND	ND	ND	ND	ND	NA	NA

Notes:
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Bold and shaded values exceed the NYSDEC Class GA groundwater standard/guidance value.
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Appendix B-2

Monitoring Well Historically Detected Compounds

Cherry Farm Groundwater Analytical Data Historically Detected Compounds		NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample ID: Source: SDG: Matrix: Sampled:	MW-1 0603100-003A	MW-1 A7E98502	MW-1 A8E15002	MW-1 RSI0359-01	MW-1 RTF0798-01	MW-1 480-2185-1	MW-1 480-14453-1	MW-1 480-23574-7	MW-1 480-38363-1	MW-1 480-56775-1	MW-1 480-70616-6	MW-1 480-83528-6	MW-1 480-101674-2	MW-1 (MS/MSD) 480-101969-1	MW-1 Not Sampled	MW-1 Not Sampled
				LSL-BL	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA		
				6030950	A07-E985	A8-E150	RSI0296	RTF0798	480-2185	480-14453	480-23574	480-38363	480-56775	480-70616	480-83528	480-101674	480-101969		
				Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
				03/22/06	12/26/07	11/06/08	09/10/09	06/10/10	03/03/11	12/23/11	08/07/12	05/15/13	03/27/14	11/03/14	07/08/15	06/15/16	06/20/16	03/22/17	10/05/17
CAS NO.	COMPOUND		UNITS:																
PESTICIDES																			
309-00-2	Aldrin	ND	(µg/L)																
319-84-6	alpha-BHC	0.01	(µg/L)																
319-85-7	beta-BHC	0.04	(µg/L)																
50-29-3	4,4'-DDT	0.2	(µg/L)																
60-57-1	Dieldrin	0.004	(µg/L)																
959-98-8	Endosulfan I	NS	(µg/L)																
1031-07-8	Endosulfan sulfate	NS	(µg/L)																
72-20-8	Endrin	ND	(µg/L)																
7421-93-4	Endrin aldehyde	5	(µg/L)																
53494-70-5	Endrin ketone	5	(µg/L)																
58-89-5	gamma-BHC (Lindane)	0.05	(µg/L)																
5102-74-2	gamma-Chlordane	0.05	(µg/L)																
1024-57-3	Heptachlor epoxide	0.03	(µg/L)																
72-43-5	Methoxychlor	35	(µg/L)																
Total Pesticides				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs																			
None detected				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Total PCBs				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA
INORGANICS																			
7429-90-5	Aluminum	NS	(µg/L)																
7440-38-0	Antimony	5	(µg/L)																
7440-38-2	Arsenic	25	(µg/L)																
7440-39-3	Barium	1000	(µg/L)																
7440-41-7	Beryllium	3 (G)	(µg/L)																
7440-43-8	Cadmium	5	(µg/L)																
7440-70-2	Calcium	NS	(µg/L)																
7440-47-8	Chromium	50	(µg/L)																
7440-48-4	Cobalt	NS	(µg/L)																
7440-50-8	Copper	200	(µg/L)																
7439-89-6	Iron	300	(µg/L)																
7439-92-1	Lead	25	(µg/L)																
7439-95-4	Magnesium	35000 (G)	(µg/L)																
7439-96-5	Manganese	300	(µg/L)																
7440-02-0	Nickel	100	(µg/L)																
7440-09-7	Potassium	NS	(µg/L)																
7782-49-2	Selenium	10	(µg/L)																
7440-22-4	Silver	50	(µg/L)																
7440-23-5	Sodium	20000	(µg/L)																
7440-28-0	Thallium	0.5 (G)	(µg/L)																
7440-62-2	Vanadium	NS	(µg/L)																
7440-66-6	Zinc	2000 (G)	(µg/L)																
57-12-5	Cyanide	200	(µg/L)																
Total Inorganics				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
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Appendix B-2

Monitoring Well Historically Detected Compounds

Cherry Farm Groundwater Analytical Data Historically Detected Compounds		NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample ID: Source: SDG: Matrix: Sampled:	MW-2 162139	MW-2 G5114	MW-2 H0916	MW-2 H7394	MW-2 J8340	MW-2 M0190	MW-2 N4874	MW-2 O3851	MW-2 R7150	MW-2 S7278	MW-2 T6914	MW-2 V4313	MW-2 Z7444	MW-2 A7550	MW-2 B4506	MW-2 E1069
CAS NO.	COMPOUND		UNITS:																
VOLATILES																			
67-64-1	Acetone	50 (G)	(µg/L)	ND	ND	ND	ND	4 J	ND	ND	3 J	ND	4 J	ND	ND	2 J, B	ND	ND	3 J, B
75-15-0	Carbon disulfide	60 (G)	(µg/L)	ND	ND	ND	ND	ND	2 J	ND	4 J	ND	ND	ND	ND	ND	5 J	ND	ND
67-66-3	Chloroform	5	(µg/L)	ND	1 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
75-09-2	Methylene chloride	5	(µg/L)	ND	ND	ND	ND	2 J	ND	ND	ND	ND	ND	1 J, B	ND	0.9 J, B	ND	ND	0.6 J, B
	Xylene (total)	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total VOCs				ND	1	ND	ND	6	2	ND	7	ND	4	1	ND	2.9	5	ND	3.8
SEMIVOLATILES																			
95-95-4	2,4,5-Trichlorophenol	1	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
88-06-2	2,4,6-Trichlorophenol	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
121-14-2	2,4-Dinitrotoluene	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
606-20-2	2,6-Dinitrotoluene	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
89-63-4	2-Nitroaniline	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
91-94-1	3,3'-Dichlorobenzidine	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
101-55-3	4-Bromophenyl phenyl ether	NS	(µg/L)	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
59-50-7	4-Chloro-3-methylphenol	1	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
7005-72-3	4-Chlorophenyl phenyl ether	NS	(µg/L)	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
120-12-7	Anthracene	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
205-99-2	Benzo(a)anthracene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
50-32-6	Benzo(b)fluoranthene	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
129-04-1	Benzo(k)fluoranthene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
191-24-2	Benzo(a,h)fluoranthene	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
207-08-9	Benzo(g,h,i)perylene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
117-91-7	bis(2-ethylhexyl)phthalate	5	(µg/L)	2 J, B	1 J	1 J	ND	ND	ND	ND	2 J, P	ND	1 J	3 J, B	ND	ND	ND	ND	21
85-68-7	Butyl benzyl phthalate	50	(µg/L)	2 J, B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
86-74-8	Carbazole	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
218-01-9	Chrysene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
84-66-2	Diethyl phthalate	50 (G)	(µg/L)	1 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
131-11-3	Dimethyl phthalate	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
84-74-2	Di-n-butyl phthalate	50	(µg/L)	3 J, B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
117-84-0	Di-n-octyl phthalate	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
53-70-3	Dibenz(a,h)anthracene	NS	(µg/L)	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
206-44-0	Fluoranthene	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
118-74-1	Hexachlorobenzene	0.04	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
183-39-5	Indeno(1,2,3-cd)pyrene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
86-30-6	N-Nitrosodiphenylamine	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
95-01-6	Phenanthrene	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
108-95-2	Phenol	1	(µg/L)	4 J, B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
129-00-0	Pyrene	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total SVOCs				12	1	1	ND	ND	ND	ND	2	ND	1	3	ND	ND	ND	ND	21

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
ND = Concentration was 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.
E = Concentration exceeds method limit.

Appendix B-2

Monitoring Well Historically Detected Compounds

Cherry Farm Groundwater Analytical Data Historically Detected Compounds		NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample ID: Source: SDG: Matrix: Sampled:	MW-2 162139	MW-2 G5114	MW-2 H0916	MW-2 H7394	MW-2 J8340	MW-2 M0190	MW-2 N4874	MW-2 O3851	MW-2 R7150	MW-2 S7278	MW-2 T6914	MW-2 V4313	MW-2 Z7444	MW-2 A7550	MW-2 B4506	MW-2 E1069
CAS NO.	COMPOUND		UNITS:																
PESTICIDES																			
309-00-2	Aldrin	ND	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0018 J, P	ND	ND	ND	ND
319-84-6	alpha-BHC	0.01	(µg/L)	ND	ND	ND	0.0024 J	ND	0.0089 B, J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
72-55-9	1,4-DDD	0.2	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	0.00059 J, P	ND	ND	ND	ND	ND	ND	ND
50-29-3	1,4-DDT	0.2	(µg/L)	ND	ND	ND	ND	ND	0.0007 J, P	ND	ND	0.00059 J, P	ND	ND	ND	ND	ND	ND	ND
959-96-8	Endosulfan I	NS	(µg/L)	ND	ND	ND	ND	ND	0.0012 J, P	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3321-3-65-9	Endosulfan II	NS	(µg/L)	ND	ND	ND	0.003 J, P	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1031-07-8	Endosulfan sulfate	NS	(µg/L)	ND	ND	25 J, P	ND	ND	0.00082 J, P	0.002 J, P	ND	ND	ND	ND	ND	ND	ND	ND	ND
7421-33-4	Endrin	5	(µg/L)	ND	ND	ND	0.0042 J, P	0.0048	ND	ND	ND	ND	ND	0.0069 B, J	ND	ND	0.0046 B, J, P	ND	ND
58-89-9	gamma-BHC (Lindane)	0.05	(µg/L)	ND	ND	ND	ND	ND	0.0051 J, P	0.037 J, P	0.0052 J, P	ND	ND	ND	ND	ND	ND	ND	ND
5103-74-2	gamma-Chlordane	0.05	(µg/L)	ND	ND	ND	0.0025 J, P	0.0016	0.013 B, J, P	ND	ND	ND	ND	ND	ND	ND	0.0073 J	ND	0.0049 B, J, P
1024-57-3	Heptachlor epoxide	0.03	(µg/L)	ND	ND	ND	0.00047 J, P	ND	0.0024 J, P	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
72-43-5	Methoxychlor	35	(µg/L)	ND	ND	ND	ND	ND	ND	ND	0.0028 B, J, P	ND	ND	ND	ND	ND	ND	ND	ND
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
PCBs																			
None Detected			(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PCBs				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	26900	29800	36400	51300
7440-36-0	Antimony	5	(µg/L)	2.6 B, E	ND	ND	ND	ND	2.9 B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
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
7440-43-8	Cadmium	5	(µg/L)	0.89 B	1.5 B	0.5 B	ND	1.1 B	0.86 B	0.56 B	0.93 B	ND	ND	1.1 B	ND	ND	ND	ND	ND
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)	ND	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)	ND	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)	ND	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)	ND	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)	ND	0.17 B	ND	0.1 B	ND	ND	ND	ND	0.17 B	ND	ND	ND	0.06 B	ND	ND	0.12 B
7440-02-3	Nickel	100	(µg/L)	ND	77.5	73.1	51.2	61.2	35 B	53.2 E	78.4	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)	ND	6.2	ND	ND	2 B	ND	ND	ND	ND	2.8 B	ND	ND	ND	4 B	ND	4 E
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	ND	ND	ND	ND	ND	ND	ND	5.3 B	ND	ND	ND	ND	ND
7440-62-2	Vanadium	NS	(µg/L)	ND	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	58.8	67.6	99.3
7440-66-6	Zinc	2000 (G)	(µg/L)	55.7	376	321	187	184	110	195	293	40.5	113	277	235	181	235	248	385
57-12-8	Cyanide	200	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.1 B	ND	ND	ND
Total Inorganics				293,610.77	724,614.17	702,911.80	558,294.84	534,388.88	514,184.47	555,902.96	831,614.23	462,126.33	517,395.85	822,570.90	697,681.40	688,829.16	741,212.50	804,204.70	1,069,104.82

Notes:
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E = Concentration exceeds method limit.

Appendix B-2

Monitoring Well Historically Detected Compounds

Cherry Farm Groundwater Analytical Data Historically Detected Compounds		NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample ID:	MW-2 0508023-001A	MW-2 0603108-003A	MW-2 A7E98503	MW-2 A8E15003	MW-2 RSI0312-07	MW-2 RTF0798-02	MW-2 480-2185-2	MW-2 480-14453-2	MW-2 480-23574-8	MW-2 480-38363-2	MW-2 480-56775-2	MW-2 480-70616-5	MW-2 480-83528-5	MW-2 480-101674-1	MW-2 Not Sampled	MW-2 Not Sampled
			Source: SDG: Matrix: Sampled:																
CAS NO.	COMPOUND		UNITS:																
VOLATILES																			
67-64-1	Acetone	50 (G)	(µg/L)	4 B, J	3 B, J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
75-15-0	Carbon disulfide	60 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
67-66-3	Chloroform	7	(µg/L)	1 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
75-09-2	Methylene chloride	5	(µg/L)	0.9 B, J	1 B, J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Xylene (total)	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total VOCs				5.9	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA
SEMIVOLATILES																			
95-95-4	2,4,5-Trichlorophenol	1	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.90 J	ND	ND	ND	ND	ND	ND
88-06-2	2,4,6-Trichlorophenol	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.68 J	ND	ND	ND	ND	ND	ND
121-14-2	2,4-Dinitrotoluene	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.1 J	ND	ND	ND	ND	ND	ND
606-20-2	2,6-Dinitrotoluene	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.74 J	ND	ND	ND	ND	ND	ND
89-63-4	2-Nitroaniline	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.70 J	ND	ND	ND	ND	ND	ND
91-94-1	3,3'-Dichlorobenzidine	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.0 J	ND	ND	ND	ND	ND	ND
101-55-3	4-Bromophenyl phenyl ether	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.97 J	ND	ND	ND	ND	ND	ND
59-50-7	4-Chloro-3-methylphenol	1	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.82 J	ND	ND	ND	ND	ND	ND
7005-72-3	4-Chlorophenyl phenyl ether	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.71 J	ND	ND	ND	ND	ND	ND
120-12-7	Anthracene	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.65 J	ND	ND	ND	ND	ND	ND
86-29-3	Benzo(a)anthracene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.0 J	ND	ND	ND	ND	ND	ND
86-32-8	Benzo(b)fluorene	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	0.68 J	0.83 J	1.5 J	ND	ND	ND	ND	ND	ND
205-99-2	Benzo(b)fluoranthene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	0.84 J	1.1 J	3.2 J B	ND	ND	ND	ND	ND	ND
191-24-2	Benzo(k)fluoranthene	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	0.39 J	0.50 J	2.1 J	ND	ND	ND	ND	ND	ND
207-08-9	Benzo(ghi)perylene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	0.39 J	0.50 J	3.1 J	ND	ND	ND	ND	ND	ND
117-81-7	Bis(2-ethylhexyl)phthalate	5	(µg/L)	2 J	ND	14	ND	ND	ND	ND	ND	ND	3.5 J	ND	ND	ND	ND	ND	ND
85-88-7	Butyl benzyl phthalate	50	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.9 J B	ND	ND	ND	ND	ND	ND
86-74-8	Carbazole	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.5 J	ND	ND	ND	ND	ND	ND
218-01-9	Chrysene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	0.74 J	0.86 J	1.4 J	ND	ND	ND	ND	ND	ND
84-66-2	Diethyl phthalate	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.3 J	ND	ND	ND	ND	ND	ND
131-11-3	Dimethyl phthalate	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.76 J	ND	ND	ND	ND	ND	ND
84-74-2	Di-n-butyl phthalate	50	(µg/L)	ND	ND	0.3 B, J	ND	ND	ND	0.38 J	1.4 J, B	ND	2.2 J B	ND	ND	ND	ND	ND	ND
117-84-0	Di-n-octyl phthalate	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.1 J B	ND	ND	ND	ND	ND	ND
53-70-3	Dibenz(a,h)anthracene	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.1 J	ND	ND	ND	ND	ND	ND
206-44-0	Fluoranthene	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	1.7 J	1.5 J	ND	ND	ND	ND	ND	ND
118-74-1	Hexachlorobenzene	0.04	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.95 J	ND	ND	ND	ND	ND	ND
193-39-3	Indeno(1,2,3-cd)pyrene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	0.59 J	1.8 J	ND	ND	ND	ND	ND	ND	ND
86-30-6	N-Nitrosodiphenylamine	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.2 J	ND	ND	ND	ND	ND	ND
85-01-8	Phenanthrene	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	1.1 J	1.0 J	ND	ND	ND	ND	ND	ND
108-95-2	Phenol	1	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
129-00-0	Pyrene	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	1.2 J	1.4 J	1.7 J	ND	ND	ND	ND	ND	ND
Total SVOCs				2	ND	14.3	ND	ND	ND	0.38	5.25	9.08	48.58	ND	ND	ND	ND	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.
NS = No Standard
(G) = Guidance Value
ND = Concentration was 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.
E = Concentration exceeds method limit.

Appendix B-2

Monitoring Well Historically Detected Compounds

Cherry Farm Groundwater Analytical Data Historically Detected Compounds		NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample ID:	MW-2 0508023-001A	MW-2 0603108-003A	MW-2 A7E98503	MW-2 A8E15003	MW-2 RSI0312-07	MW-2 RTF0798-02	MW-2 480-2185-2	MW-2 480-14453-2	MW-2 480-23574-8	MW-2 480-38363-2	MW-2 480-56775-2	MW-2 480-70616-5	MW-2 480-83528-5	MW-2 480-101674-1	MW-2 Not Sampled	MW-2 Not Sampled
			Source:																
			SDG:																
			Matrix:																
			Sampled:																
CAS NO.	COMPOUND		UNITS:																
PESTICIDES																			
309-00-2	Aldrin	ND	(µg/L)																
913-84-4	alpha-BHC	0.01	(µg/L)																
72-35-9	4,4'-DDE	0.2	(µg/L)																
50-29-3	4,4'-DDT	0.2	(µg/L)																
959-98-6	Endosulfan I	NS	(µg/L)																
33213-65-9	Endosulfan II	NS	(µg/L)																
10331-07-8	Endosulfan sulfate	NS	(µg/L)																
7423-83-4	Endrin aldehyde	5	(µg/L)																
58-89-9	gamma-BHC (Lindane)	0.05	(µg/L)																
5103-74-2	gamma-Chlordane	0.05	(µg/L)																
1024-57-3	Heptachlor epoxide	0.03	(µg/L)																
72-43-5	Methoxychlor	35	(µg/L)																
Total Pesticides				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs																			
None Detected				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Total PCBs				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA
INORGANICS																			
7429-90-5	Aluminum	NS	(µg/L)																
7440-38-0	Antimony	5	(µg/L)																
7440-38-2	Arsenic	25	(µg/L)																
7440-38-3	Barium	1000	(µg/L)																
7440-41-7	Beryllium	3 (G)	(µg/L)																
7440-45-9	Cadmium	5	(µg/L)																
7440-70-2	Calcium	NS	(µg/L)																
7440-47-8	Chromium	50	(µg/L)																
7440-49-4	Cobalt	NS	(µg/L)																
7440-50-8	Copper	200	(µg/L)																
7439-89-6	Iron	300	(µg/L)																
7439-92-1	Lead	25	(µg/L)																
7439-95-4	Magnesium	35000 (G)	(µg/L)																
7439-96-5	Manganese	300	(µg/L)																
7439-97-8	Mercury	0.7	(µg/L)																
7440-02-0	Nickel	100	(µg/L)																
7440-09-7	Potassium	NS	(µg/L)																
7782-49-2	Selenium	10	(µg/L)																
7440-23-5	Sodium	20000	(µg/L)																
7440-28-0	Thallium	5 (G)	(µg/L)																
7440-62-2	Vanadium	NS	(µg/L)																
7440-66-6	Zinc	2000 (G)	(µg/L)																
57-12-5	Cyanide	200	(µg/L)																
Total Inorganics				NA	NA	NA	NA	NA	NA	NA	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.
NS = No Standard
(G) = Guidance Value
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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.
E = Concentration exceeds method limit.

Appendix B-2

Monitoring Well Historically Detected Compounds

Cherry Farm Groundwater Analytical Data Historically Detected Compounds		NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample ID: Source: SDG: Matrix: Sampled:	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	
				162134	G5115	H0917	H7395	38484	M0191	N5015	Q3846	R7156	S7325	T6809	V4310	Z7443	A7551	B4288	E1141	
				Columbia	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OB	OB	OB	OB	OB
				MW1	5116	6847	7810	9595	1489	3880	5490	7645	9270	724	2494	4203	5716	6968	6968	
				Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
		08/12/97	11/20/97	02/19/98	05/28/98	10/22/98	04/20/99	11/10/99	04/26/00	12/14/00	06/20/01	12/11/01	06/18/02	12/17/02	06/25/03	12/16/03	06/08/04			
CAS NO.	COMPOUND		UNITS:																	
VOLATILES																				
67-64-1	Acetone	50 (G)	(µg/L)	ND	ND	ND	ND	4 J	6 J, J	ND	ND	ND	5 J	ND	ND	4 J, B	ND	ND	2 J, B	
75-15-0	Carbon disulfide	60 (G)	(µg/L)	ND	ND	ND	ND	ND	5 J	6	ND	ND	ND	ND	ND	ND	3 J	ND	ND	
67-66-3	Chloroform	7	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
75-09-2	Methylene chloride	5	(µg/L)	ND	ND	ND	ND	2 J	2 J, B	ND	ND	ND	ND	2 J, B	1 J	1 J, B	ND	2 J, B	0.8 J, B	
1330-20-7	Xylene (total)	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1 J	
Total VOCs				ND	ND	ND	ND	6	13	6	ND	ND	5	2	1	5	3	2	3.8	
SEMIVOLATILES																				
117-81-7	bis(2-ethylhexyl)phthalate	5	(µg/L)	1 J, B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
50-32-8	Benzo[a]anthracene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
205-99-2	Benzo[b]fluoranthene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
191-24-2	Benzo[g,h,i]perylene	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
85-68-7	Butyl benzyl phthalate	50	(µg/L)	1 J, B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
91-58-7	2-Chloronaphthalene	10 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
84-66-2	Diethyl phthalate	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
132-64-9	Dibenzofuran	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
84-74-2	Di-n-butyl phthalate	50	(µg/L)	2 J, B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
117-84-0	Di-n-octyl phthalate	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
91-57-6	2-Methylnaphthalene	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
91-20-3	Naphthalene	10 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
85-01-8	Phenanthrene	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Total SVOCs				4	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
ND = Concentration was 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.
E = Concentration exceeds method limit.

Appendix B-2

Monitoring Well Historically Detected Compounds

Cherry Farm Groundwater Analytical Data Historically Detected Compounds		NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample ID: Source: SDG: Matrix: Sampled:	UNITS:	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3				
					162134	G5115	H0917	H7395	J8484	M0191	N5015	Q3846	R7156	S7325	T6809	V4310	Z7443	A7551	B4288	E1141			
					Columbia	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OB	OB	OB	OB	OB			
					MW1	5116	6847	7810	9595	1489	3880	5490	7645	9270	724	2494	4203	5716	6968	6968			
					Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water		
CAS NO.	COMPOUND				08/12/97	11/20/97	02/19/98	05/28/98	10/22/98	04/20/99	11/10/99	04/26/00	12/14/00	06/20/01	12/11/01	06/18/02	12/17/02	06/25/03	12/16/03	06/08/04			
PESTICIDES																							
319-84-6	alpha-BHC	0.01	(µg/L)	ND	ND	ND	ND	0.0024 J	ND	0.00093 B, J, P	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
72-55-9	4,4'-DDE	0.2	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0055 B, J, P	ND	ND	ND	ND	ND	ND			
60-57-1	Dieldrin	0.004	(µg/L)	ND	ND	0.002 J, P	ND	ND	ND	0.0024 J, P	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
959-98-8	Endosulfan I	NS	(µg/L)	ND	ND	ND	ND	ND	ND	0.0013 J, P	ND	ND	ND	ND	ND	ND	ND	0.0045 J, P	ND	ND			
33213-65-9	Endosulfan II	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.00082 J, P	ND	ND	ND	ND	ND	ND	ND			
1031-07-8	Endosulfan sulfate	NS	(µg/L)	ND	ND	0.0029 J, P	0.0048 J, P	0.011 B, J, P	0.0015 J, P	0.0018 J, P	0.0018 J, P	ND	0.0035 J, P	ND	ND	ND	ND	0.0062 J, P	ND	0.0021 J, P			
72-20-8	Endrin	ND	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.017 B, J, P	ND	ND	ND	0.026 J, P	ND	ND			
7421-93-4	Endrin aldehyde	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.012 B, J, P	ND	ND	ND	ND	ND			
53494-70-5	Endrin ketone	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0024 J, P	ND	ND	ND	ND	ND	ND	ND			
58-89-9	gamma-BHC (Lindane)	0.05	(µg/L)	ND	ND	ND	ND	ND	ND	ND	0.012 J, P	0.002 J, P	ND	ND	ND	ND	ND	ND	ND	ND			
5103-74-2	gamma-Chlordane	0.05	(µg/L)	ND	ND	ND	0.00073 J, P	0.001 J, P	0.014 B, J, P	0.014 B, J, P	ND	0.0027 J, P	ND	ND	ND	ND	ND	0.0054 J, P	ND	0.0027 B, J, P			
1024-57-3	Heptachlor epoxide	0.03	(µg/L)	ND	ND	ND	0.00067 J, P	ND	ND	0.0052 J, P	ND	ND	ND	ND	ND	ND	ND	0.014 J, P	ND	ND			
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			
PCBs			(µg/L)																				
None Detected					ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
Total PCBs					ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
INORGANICS			(µg/L)																				
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)	ND	ND	ND	ND	ND	2.1 B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
7440-38-2	Arsenic	25	(µg/L)	24.2	7.9 B	ND	9 B	6.2 B	2.6 B	3.9 B	3.9 B	2.1 B	4.5 B	2.7 B	4.2 B	3.1 B	ND	ND	ND				
7440-39-3	Barium	1000	(µg/L)	188 B	254	245	187 B	157 B	153 B	164 B	152 B	150 B	151 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	ND	0.15 B	0.15 B	0.24 B	0.37 B	0.39 B	ND	0.21 B	0.13 B	0.15 B	0.1 B	ND	ND				
7440-43-9	Cadmium	5	(µg/L)	5.9	0.32 B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
7440-50-8	Copper	200	(µg/L)	ND	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	ND	2.7 B	6 B	ND	ND				
7439-89-6	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)	ND	6.7	2.5 B	ND	2.1 B	ND	ND	1.3 B	2.9 B	ND	3.2	ND	ND	ND	ND	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)	ND	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	ND	5.9 B	5.6 B	3.4 B	5.4 B				
7440-09-7	Potassium	NS	(µg/L)	13600	17400	17500	15800	13100	10200	9730	9780	9790 E	10500	7790	7350	7980	9720	10300	11600				
7782-49-2	Selenium	10	(µg/L)	ND	4.1 B	ND	ND	ND	ND	ND	ND	ND	ND	ND	2 B	ND	ND	2.9 B	ND				
7440-22-4	Silver	50	(µg/L)	1.7 B	0.67 B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
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				
7440-26-0	Thallium	5 (G)	(µg/L)	ND	4.5 B	7.3 B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
7440-62-2	Vanadium	NS	(µg/L)	ND	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)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	12.5	ND	ND	4.9 B	ND	ND			
Total Inorganics					501,814	465,822	433,632	377,200	355,151	293,938	306,265	285,656	268,986	253,053	236,644	209,914	217,615	222,164	222,697	226,603			

Notes:
 NYSDDEC June 1998 Ambient Water Quality Standards and Guidance Values for
 Groundwater Class GA
 Bold and shaded values exceed the NYSDDEC Class GA groundwater
 standard/guidance value.
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Appendix B-2

Monitoring Well Historically Detected Compounds

Cherry Farm Groundwater Analytical Data Historically Detected Compounds		NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample ID: Source: SDG: Matrix: Sampled:	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	
				050823-002A	0603100-002A	A7E98504	A8E30601	RSI0359-04	RTF0860-01	480-2227-5	480-14453-3	480-23574-9	480-38363-3	480-56775-3	480-70616-7	480-83528-7	480-101785-2	Not Sampled	Not Sampled
				OB	LSL-BL	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA
				200508	6030950	A07-E985	A08-E150	RSI0296	RTF0798	480-2185	480-14453	480-23574	480-38363	480-56775	480-70616	480-83528	480-101785	Water	Water
				08/03/05	03/22/06	12/26/07	11/10/08	09/10/09	06/11/10	03/04/11	12/23/11	08/07/12	05/15/13	03/27/14	11/03/14	07/08/15	06/16/16	03/22/17	10/05/17
CAS NO.	COMPOUND		UNITS:																
VOLATILES																			
67-64-1	Acetone	50 (G)	(µg/L)	4 B, J	3 B, J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
75-15-0	Carbon disulfide	60 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
67-66-3	Chloroform	7	(µg/L)	2 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
75-09-2	Methylene chloride	5	(µg/L)	1 B, J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
1330-20-7	Xylene (total)	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Total VOCs				7	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	
SEMIVOLATILES																			
117-81-7	bis(2-ethylhexyl)phthalate	5	(µg/L)	ND	ND	ND	ND	ND	ND	3.4 J, B	ND	ND	ND	ND	ND	ND	ND		
50-32-8	Benzo[a]anthracene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.48 J B	ND	ND	ND	ND		
205-99-2	Benzo[b]fluoranthene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.45 J B	ND	ND	ND	ND		
191-24-2	Benzo[g,h,i]perylene	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.35 J	ND	ND	ND	ND		
85-68-7	Butyl benzyl phthalate	50	(µg/L)	ND	ND	ND	ND	ND	ND	2.4 J	ND	ND	0.61 J B	ND	ND	ND	ND		
91-58-7	2-Chloronaphthalene	10 (G)	(µg/L)	ND	ND	ND	0.3 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
84-66-2	Diethyl phthalate	50 (G)	(µg/L)	ND	ND	ND	1.3 B	ND	ND	ND	ND	ND	0.23 J	ND	ND	ND	ND		
132-64-9	Dibenzofuran	NS	(µg/L)	ND	ND	ND	0.3 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
84-74-2	Di-n-butyl phthalate	50	(µg/L)	ND	ND	0.3 B, J	0.7 B, J	0.39 J	0.44 J	0.78 J, B	1.1 J, B	ND	0.49 J B	ND	ND	ND	ND		
117-84-0	Di-n-octyl phthalate	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.56 J B	ND	ND	ND	ND		
91-57-6	2-Methylnaphthalene	NS	(µg/L)	ND	ND	ND	0.2 J B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
91-20-3	Naphthalene	10 (G)	(µg/L)	ND	ND	ND	0.3 B, J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
85-01-8	Phenanthrene	50 (G)	(µg/L)	ND	ND	ND	0.2 J B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Total SVOCs				ND	ND	0.3	3.0	0.39	0.44	6.58	1.1	ND	3.17	ND	ND	ND	ND	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.
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NS = No Standard
(G) = Guidance Value
ND = Concentration was 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.
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Appendix B-2

Monitoring Well Historically Detected Compounds

Cherry Farm Groundwater Analytical Data Historically Detected Compounds		NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample ID:	MW-3 050823-002A	MW-3 0603100-002A	MW-3 A7E98504	MW-3 A8E30601	MW-3 RSI0359-04	MW-3 RTF0860-01	MW-3 480-2227-5	MW-3 480-14453-3	MW-3 480-23574-9	MW-3 480-38363-3	MW-3 480-56775-3	MW-3 480-70616-7	MW-3 480-83528-7	MW-3 480-101785-2	MW-3 Not Sampled	MW-3 Not Sampled
			Source: SDG: Matrix: Sampled:	OB 200508 Water 08/03/05	LSL-BL 6030950 Water 03/22/06	TA A07-E985 Water 12/26/07	TA A08-E150 Water 11/10/08	TA RSI0296 Water 09/10/09	TA RTF0798 Water 06/11/10	TA 480-2185 Water 03/04/11	TA 480-14453 Water 12/23/11	TA 480-23574 Water 08/07/12	TA 480-38363 Water 05/19/13	TA 480-56775 Water 03/27/14	TA 480-70616 Water 11/03/14	TA 480-83528 Water 07/08/15	TA 480-101785 Water 06/16/16	Water 03/22/17	Water 10/05/17
CAS NO.	COMPOUND		UNITS:																
PESTICIDES																			
319-84-6	alpha-BHC	0.01	(µg/L)																
72-55-9	delta-BHC	0.2	(µg/L)																
60-57-1	Dieldrin	0.004	(µg/L)																
959-98-8	Endosulfan I	NS	(µg/L)																
33213-65-9	Endosulfan II	NS	(µg/L)																
1031-07-8	Endosulfan sulfate	NS	(µg/L)																
72-20-8	Endrin	ND	(µg/L)																
7421-93-4	Endrin aldehyde	5	(µg/L)																
53494-70-5	Endrin ketone	5	(µg/L)																
58-89-9	gamma-BHC (Lindane)	0.05	(µg/L)																
5103-74-2	gamma-Chlordane	0.05	(µg/L)																
1024-57-3	Heptachlor epoxide	0.03	(µg/L)																
Total Pesticides				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs																			
None Detected				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PCBs				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA
INORGANICS																			
7429-90-5	Aluminum	NS	(µg/L)																
7440-38-0	Antimony	3	(µg/L)																
7440-38-2	Arsenic	25	(µg/L)																
7440-39-3	Barium	1000	(µg/L)																
7440-41-7	Beryllium	3 (G)	(µg/L)																
7440-43-9	Cadmium	5	(µg/L)																
7440-70-2	Calcium	NS	(µg/L)																
7440-47-8	Chromium	50	(µg/L)																
7440-48-4	Cobalt	NS	(µg/L)																
7440-50-8	Copper	200	(µg/L)																
7439-89-6	Iron	300	(µg/L)																
7439-92-1	Lead	25	(µg/L)																
7439-95-4	Magnesium	35000 (G)	(µg/L)																
7439-96-5	Manganese	300	(µg/L)																
7440-02-0	Nickel	100	(µg/L)																
7440-09-7	Potassium	NS	(µg/L)																
7782-49-2	Selenium	10	(µg/L)																
7440-22-4	Silver	50	(µg/L)																
7440-23-5	Sodium	20000	(µg/L)																
7440-28-0	Thallium	5 (G)	(µg/L)																
7440-62-2	Vanadium	NS	(µg/L)																
7440-66-6	Zinc	2000 (G)	(µg/L)																
57-12-5	Cyanide	200	(µg/L)																
Total Inorganics				NA	NA	NA	NA	NA	NA	NA	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
ND = Concentration was 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.
E = Concentration exceeds method limit.

Appendix B-2

Monitoring Well Historically Detected Compounds

Cherry Farm Groundwater Analytical Data Historically Detected Compounds		NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample ID: Source: SDG: Matrix: Sampled:	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4		
				162135	G5191	H1021	H7396	J8485	M0194	N5016	Q3852	R7320	S7324	T7107	V4311	Z7814	A7432	B4292	E1136	
				Columbia	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OB	OB	OB	OB	OB	OB
				MW1	5116	6857	7810	9595	1489	3880	5490	7645	9270	764	2494	4203	5716	6968	6968	
				Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
				08/12/97	11/20/97	02/20/98	05/28/98	10/22/98	04/20/99	11/10/99	04/27/00	12/15/00	06/20/01	12/13/01	06/18/02	12/18/02	06/24/03	12/16/03	06/08/04	
				CAS NO.	COMPOUND		UNITS:													
VOLATILES																				
67-64-1	Acetone	50 (G)	(µg/L)	ND	2 J	3 J	2 J	4 J	9 J	ND	ND	ND	5 J	ND	ND	4 J, B	ND	ND	5 J, B	
75-15-0	Carbon disulfide	60 (G)	(µg/L)	ND	ND	ND	ND	ND	11	45	1 J	ND	ND	ND	ND	ND	6 J	ND	ND	
67-66-3	Chloroform	7	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
75-09-2	Methylene chloride	5	(µg/L)	ND	ND	ND	ND	2 J	ND	ND	ND	ND	0.6 J, B	1 J		1 J, B	ND	1 J, B	1 J, B	
Total VOCs				ND	2	3	2	6	20	45	1	ND	5	0.6	1	5	6	1	6	
SEMIVOLATILES																				
117-81-7	bis(2-ethylhexyl)phthalate	5	(µg/L)	2 J, B	1 J	ND	ND	ND	ND	2 J	ND	1	ND	1	ND	1	ND	ND	ND	
56-55-3	Benzo(a)anthracene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
50-32-8	Benzo(a)pyrene	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
205-99-2	Benzo(b)fluoranthene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
191-24-2	Benzo(g,h,i)perylene	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
207-08-9	Benzo(k)fluoranthene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
85-68-7	Butyl benzyl phthalate	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
218-01-9	Chrysene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
84-66-2	Diethyl phthalate	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
117-84-0	Di-n-octyl phthalate	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
84-74-2	Di-n-butyl phthalate	50	(µg/L)	1 J, B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
91-57-6	2-Methylnaphthalene	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	2	ND	ND	ND	ND	ND	ND	
106-42-5	4-Methylphenol	1	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
100-02-7	4-Nitrophenol	1	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
193-39-5	indeno[1,2,3-cd]pyrene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
91-20-3	Naphthalene	10 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
85-01-8	Phenanthrene	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
129-00-0	Pyrene	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Total SVOCs				3	1	ND	ND	ND	ND	2	ND	1	2	1	ND	1	ND	ND	2	

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
ND = Concentration was 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.
E = Concentration exceeds method limit.

Appendix B-2

Monitoring Well Historically Detected Compounds

Cherry Farm Groundwater Analytical Data Historically Detected Compounds		NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample ID:	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
Source: SDG:				Columbia	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OB	OB	OB	OB	OB
Matrix:				MW1	5116	6857	7810	9595	1489	3880	5490	7645	9270	764	2494	4203	5716	6968	6968
Sampled:				Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
UNITS:				08/12/97	11/20/97	02/20/98	05/28/98	10/22/98	04/20/99	11/10/99	04/27/00	12/15/00	06/20/01	12/13/01	06/18/02	12/18/02	06/24/03	12/16/03	06/08/04
CAS NO.	COMPOUND																		
PESTICIDES																			
309-00-2	Aldrin	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	0.0018 J, P	ND	ND	0.024 J, P	ND	ND	ND	ND
313-84-6	alpha-BHC	0.01	(µg/L)	ND	ND	ND	ND	ND	0.0089 B, J, P	ND	ND	0.0013 J, P	ND	ND	ND	ND	0.0057 J, P	ND	ND
5103-71-9	alpha-Chlordane	0.05	(µg/L)	ND	ND	ND	ND	ND	0.00053 J, P	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
72-55-9	4,4'-DDE	0.3	(µg/L)	ND	ND	ND	ND	ND	0.0007 J, P	0.0012 J, P	ND	0.0026 J, P	0.005 B, J, P	ND	ND	ND	ND	ND	ND
319-86-8	delta-BHC	0.04	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	0.00074 B, J, P	ND	ND	ND	ND	ND	ND	ND
60-57-1	Dieldrin	0.004	(µg/L)	ND	ND	ND	ND	ND	ND	ND	0.002 J, P	0.0015 J, P	ND	0.0074	ND	ND	ND	ND	ND
959-98-8	Endosulfan I	NS	(µg/L)	ND	ND	ND	ND	ND	0.0043 J, P	0.0014 B, J, P	ND	ND	ND	ND	ND	ND	ND	ND	ND
33213-65-9	Endosulfan II	NS	(µg/L)	ND	ND	ND	ND	0.0008 J, P	ND	ND	ND	ND	ND	0.0011 J, P	ND	ND	ND	ND	ND
1031-07-8	Endosulfan sulfate	NS	(µg/L)	ND	ND	ND	ND	0.0017 B, J, P	0.0042 J, P	0.0032 J, P	ND	0.0011 J, P	ND	ND	ND	ND	ND	ND	ND
72-20-8	Endrin	NS	(µg/L)	ND	ND	ND	0.00073 J, P	ND	0.0028	ND	ND	0.00085 J, P	0.038 B, J, P	ND	ND	ND	ND	ND	ND
7421-93-4	Endrin aldehyde	5	(µg/L)	ND	ND	ND	ND	0.0028 J, P	ND	ND	ND	ND	0.015 B, J, P	ND	ND	ND	ND	ND	ND
53494-70-5	Endrin ketone	5	(µg/L)	ND	ND	ND	ND	0.0014 J, P	ND	ND	ND	0.003 J, P	ND	ND	ND	ND	0.0033 J, P	ND	ND
58-89-9	gamma-BHC (Lindane)	0.05	(µg/L)	ND	ND	ND	ND	ND	0.004 J, P	ND	0.0039 J, P	ND	ND	ND	ND	ND	ND	0.0076 J, P	ND
5103-71-9	gamma-Chlordane	0.05	(µg/L)	ND	ND	ND	0.002 J, P	0.0017 J, P	0.0056 B, J, P	ND	ND	ND	0.0043 J, P	ND	ND	ND	0.01 J	ND	0.0034 B, J
76-44-8	Heptachlor	0.04	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1024-57-3	Heptachlor epoxide	0.03	(µg/L)	ND	ND	ND	ND	ND	0.00034 J, P	ND	ND	ND	ND	0.0032 J, P	0.0023 J, P	ND	ND	ND	ND
72-43-5	Methoxychlor	35	(µg/L)	ND	ND	ND	ND	ND	0.0033 J, P	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
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
PCBs																			
Aroclor 1248			(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PCBs				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
INORGANICS																			
7429-90-5	Aluminum	NS	(µg/L)	89.7 B	1460	1300	553	515	451	787	670	1090	1090	2980	1140	324	803	4790	6050
7440-36-0	Antimony	3	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.4 B
7440-38-2	Arsenic	25	(µg/L)	17.9	ND	ND	9.6 B	6.6 B	8.3 B	2.5 B	4.5 B	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	ND	ND	ND	0.05 B	ND	0.31 B	ND	0.26 B	ND	ND	ND	0.2 B	0.33 B
7440-43-9	Cadmium	5	(µg/L)	5.1	3.3 B	0.39 B	ND	ND	0.88 B	0.35 B	0.59 B	0.73 B	1.8 B	2.3 B	0.58 B	0.43 B	ND	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)	ND	7.6 B	5.2 B	2.5	7.1 B	8.9 B	7.2 B, E	9.4 B	6.8 B	10.5	17.7	7.3 B, E	8 B	5.1 B	12.3	26.9
7440-48-4	Cobalt	NS	(µg/L)	ND	1.6 B	ND	ND	ND	ND	1.7 B	ND	1.7 B	ND	2.6 B	4 B	ND	ND	ND	4.1 B
7440-50-8	Copper	200	(µg/L)	ND	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	ND	2.3 B	6.3 B	7.8 B
7439-93-6	Iron	300	(µg/L)	19300	3710	1860	19400	20100	19400	2000	1250	1960	7080	17600	14500	12400	5820	6900	17900
7439-92-3	Lead	25	(µg/L)	ND	5.9	ND	ND	2.5 B	ND	1.4 B	ND	3	3 B	8.7	2.4 B, N	ND	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)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.05 B
7440-02-0	Nickel	100	(µg/L)	ND	6.7 B	4.2 B	1.8 B	1.4 B	2.7 B	4.8 B	5.6 B	4 B	8.1 B	10.1 B	ND	ND	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)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.3 B	2.9 B	ND
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)	ND	ND	4.1 B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	12.3
7440-62-2	Vanadium	NS	(µg/L)	ND	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	30.6	11.7 B	23.8	49	130
57-12-5	Cyanide	200	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	16.3	ND	ND	ND	ND
Total Inorganics				275,239.30	85,804.51	91,986.58	265,553.90	261,133.20	270,969.38	104,803.10	143,842.99	118,614.84	184,723.10	287,862.06	298,900.18	219,940.73	221,210.10	136,373.60	291,368.68

Notes:
NYSDEC June 1998 Ambient Water Quality Standards and Guidance Values for Groundwater Class GA.
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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.
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E = Concentration exceeds method limit.

Appendix B-2

Monitoring Well Historically Detected Compounds

Cherry Farm Groundwater Analytical Data Historically Detected Compounds		NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample ID: Source: SDG: Matrix: Sampled:	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4		
				0508042-001A	0603100-003A	A7E98505	A8E30602	RSI0359-02	RTF0798-03	480-2185-3	Not Sampled	480-23574-1	480-38363-4	480-56775-4	480-70616-8	480-83621-1	480-101785-5	480-114997-1	480-125448-3	
				OB	LSL-BL	TA	TA	TA	TA	TA		TA	TA	TA	TA	TA	TA	TA	TA	TA
				200508	6030950	A07-E985	A08-E150	RSI0296	RTF0798	480-2185		480-23574	480-38363	480-56775	480-70616	480-83621	480-101785	480-114997	480-125448	
				Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
		08/05/05	03/22/06	12/26/07	11/10/08	09/10/09	06/10/10	03/03/11	12/23/11	08/07/12	05/15/13	03/27/14	11/03/14	07/09/15	06/16/16	03/22/17	10/05/17			
CAS NO.	COMPOUND		UNITS:																	
VOLATILES																				
67-64-1	Acetone	50 (G)	(µg/L)	6 J, B	3 J, B	6	ND	ND	ND	ND	ND	4.4 J	3.1 J	ND	ND	ND	ND	4.9 J		
75-15-0	Carbon disulfide	60 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
67-66-3	Chloroform	7	(µg/L)	1 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
75-09-2	Methylene chloride	5	(µg/L)	1 J, B	1 J, B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Total VOCs				8	4	6	ND	ND	ND	ND	NA	ND	4.4	3.1	ND	ND	ND	4.9		
SEMIVOLATILES																				
117-81-7	bis(2-ethylhexyl)phthalate	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND F2		
56-55-3	Benzo[a]anthracene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	0.90 J B	ND	ND	ND	ND	ND	ND F2		
50-32-8	Benzo[a]pyrene	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	0.55 J	ND	ND	ND	ND	ND	ND F2		
205-99-2	Benzo[b]fluoranthene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	0.89 J B	ND	ND	ND	ND	ND	ND F2		
191-24-2	Benzo[g,h,i]perylene	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	0.70 J	ND	ND	ND	ND	ND	ND F2		
207-08-9	Benzo[k]fluoranthene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	0.93 J	ND	ND	ND	ND	ND	ND F2		
85-58-7	Butyl benzyl phthalate	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	1.2 J B	ND	ND	ND	ND	ND	ND		
218-01-9	Chrysene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	0.40 J	ND	ND	ND	ND	ND	ND F2		
84-66-2	Dibutyl phthalate	50 (G)	(µg/L)	ND	ND	ND	1 J B	ND	ND	ND	ND	0.32 J B	ND	ND	ND	ND	ND	ND		
117-84-0	Di-n-octyl phthalate	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	0.84 J B	ND	ND	ND	ND	ND	ND F2		
84-74-2	Di-n-butyl phthalate	50	(µg/L)	ND	ND	ND	0.6 J B	0.79 J	ND	0.31 J	ND	1.1 J B	ND	ND	ND	ND	ND	0.48 J		
91-57-6	2-Methylnaphthalene	NS	(µg/L)	ND	ND	ND	0.6 J B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
105-44-5	4-Methylphenol	1	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
100-02-7	4-Nitrophenol	1	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
193-39-5	Indeno[1,2,3-cd]pyrene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	0.61 J	ND	ND	ND	ND	ND	ND F2		
91-20-3	Naphthalene	10 (G)	(µg/L)	ND	ND	ND	4 J B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
85-01-8	Phenanthrene	50 (G)	(µg/L)	ND	ND	ND	0.4 J B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
129-00-0	Pyrene	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	0.48 J	ND	ND	ND	ND	ND	ND		
Total SVOCs				ND	ND	ND	6.6	0.79	ND	0.31	NA	ND	8.92	ND	ND	ND	ND	0.48		

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
ND = Concentration was 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.
E = Concentration exceeds method limit.

Appendix B-2

Monitoring Well Historically Detected Compounds

Cherry Farm Groundwater Analytical Data Historically Detected Compounds		NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample ID:	MW-4 0508042-001A	MW-4 0603100-003A	MW-4 A7E98505	MW-4 A8E30602	MW-4 RSI0359-02	MW-4 RTF0798-03	MW-4 480-2185-3	MW-4 Not Sampled	MW-4 480-23574-1	MW-4 480-38363-4	MW-4 480-56775-4	MW-4 480-70616-8	MW-4 480-83621-1	MW-4 480-101785-5	MW-4 480-114997-1	MW-4 480-125448-3
			Source: SDG: Matrix: Sampled:	OB 200508 Water 08/05/05	LSL-BL 6030950 Water 03/22/06	TA A07-E985 Water 12/26/07	TA A08-E150 Water 11/10/08	TA RSI0296 Water 09/10/09	TA RTF0798 Water 06/10/10	TA 480-2185 Water 03/03/11		TA 480-23574 Water 08/07/12	TA 480-38363 Water 05/15/13	TA 480-56775 Water 03/27/14	TA 480-70616 Water 11/03/14	TA 480-83621 Water 07/09/15	TA 480-101785 Water 06/16/16	TA 480-114997 Water 03/22/17	TA 480-125448 Water 10/05/17
CAS NO.	COMPOUND		UNITS:																
PESTICIDES																			
309-00-2	Aldrin	NS	(µg/L)																
319-84-8	alpha-BHC	0.01	(µg/L)																
5103-71-9	alpha-Chlordane	0.05	(µg/L)																
72-55-9	4,4'-DDE	0.3	(µg/L)																
319-86-8	delta-BHC	0.04	(µg/L)																
60-57-1	Dieldrin	0.004	(µg/L)																
959-98-8	Endosulfan I	NS	(µg/L)																
33213-65-9	Endosulfan II	NS	(µg/L)																
1031-07-8	Endosulfan sulfate	NS	(µg/L)																
72-20-8	Endrin	NS	(µg/L)																
7421-93-4	Endrin aldehyde	5	(µg/L)																
53494-70-5	Endrin ketone	5	(µg/L)																
58-89-9	gamma-BHC (Lindane)	0.05	(µg/L)																
5103-71-2	gamma-Chlordane	0.05	(µg/L)																
76-44-8	Heptachlor	0.04	(µg/L)																
1024-57-3	Heptachlor epoxide	0.03	(µg/L)																
72-43-5	Methoxychlor	35	(µg/L)																
Total Pesticides				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs																			
	Aroclor 1248		(µg/L)	ND	ND	ND	ND	0.51	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND
Total PCBs				ND	ND	ND	ND	0.51	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
INORGANICS																			
7429-90-5	Aluminum	NS	(µg/L)																
7440-36-0	Antimony	3	(µg/L)																
7440-38-2	Arsenic	25	(µg/L)																
7440-39-3	Barium	1000	(µg/L)																
7440-41-7	Beryllium	3 (G)	(µg/L)																
7440-43-9	Cadmium	5	(µg/L)																
7440-70-2	Calcium	NS	(µg/L)																
7440-47-8	Chromium	50	(µg/L)																
7440-48-4	Cobalt	NS	(µg/L)																
7440-50-9	Copper	200	(µg/L)																
7439-89-6	Iron	300	(µg/L)																
7439-92-1	Lead	25	(µg/L)																
7439-95-4	Magnesium	35000 (G)	(µg/L)																
7439-96-5	Manganese	300	(µg/L)																
7439-97-6	Mercury	0.7	(µg/L)																
7440-02-0	Nickel	100	(µg/L)																
7440-09-7	Potassium	NS	(µg/L)																
7782-49-2	Selenium	10	(µg/L)																
7440-23-5	Sodium	20000	(µg/L)																
7440-28-0	Thallium	5 (G)	(µg/L)																
7440-82-2	Vanadium	NS	(µg/L)																
7440-86-8	Zinc	2000 (G)	(µg/L)																
57-12-5	Cyanide	200	(µg/L)																
Total Inorganics				NA	NA	NA	NA	NA	NA	NA	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.
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(G) = Guidance Value
ND = Concentration was 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.
E = Concentration exceeds method limit.

Appendix B-2

Monitoring Well Historically Detected Compounds

Cherry Farm Groundwater Analytical Data Historically Detected Compounds		NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample ID:	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	
Source: SDG: Matrix: Sampled:			Columbia MW1 Water 08/12/97	OBG 5116 Water 11/20/97	OBG 6857 Water 02/20/98	OBG 7830 Water 05/29/98	OBG 9595 Water 10/22/98	OBG 1489 Water 04/20/99	OBG 3880 Water 11/10/99	OBG 5512 Water 04/28/00	OBG 7645 Water 12/15/00	OBG 9270 Water 06/20/01	OBG 764 Water 12/13/01	OBG 2494 Water 06/18/02	OB 4203 Water 12/18/02	OB 5716 Water 06/24/03	OB 6968 Water 12/18/03	OB 6968 Water 06/08/04		
CAS NO.	COMPOUND		UNITS:																	
VOLATILES																				
67-64-1	Acetone		50 (G)	(µg/L)	ND	ND	5 J	10	19	7 J	ND	ND	7 J	6	ND	ND	4	3	ND	3
71-43-2	Benzene		1	(µg/L)	3 J	25	92	97	110	110	ND	47	84	57	63	86	52	38	10	22
78-93-3	2-Butanone	50 (G)	(µg/L)	ND	ND	2 J	ND	ND	ND	ND	ND	ND	ND	ND	1	ND	ND	ND		
75-15-0	Carbon disulfide	60 (G)	(µg/L)	ND	ND	ND	ND	ND	6 J	ND	3 J	ND	ND	ND	ND	2	ND	ND		
75-00-3	Chloroethane	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	2	ND	ND	ND	ND	ND		
67-66-3	Chloroform	7	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	2	ND	ND	ND	ND	ND		
74-87-3	Chloromethane	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	2	ND	ND	ND	ND	ND		
100-41-4	Ethylbenzene	5	(µg/L)	ND	ND	5 J	8 J	10 J	10 J	7	3 J	8 J	6	4	7	4	2	ND	0.6	
75-09-2	Methylene chloride	5	(µg/L)	ND	ND	ND	ND	1 J	ND	ND	ND	ND	ND	0.7	ND	0.5	ND	ND	0.7	
100-42-5	Styrene	5	(µg/L)	ND	ND	2 J	1 J	1 J	2 J	ND	ND	1 J	ND	0.8	ND	1	0.5	ND	ND	
108-88-3	Toluene	5	(µg/L)	ND	4 J	28	35	28	15	ND	3 J	8 J	6	4	7	5	4	ND	0.9	
1330-20-7	Xylene (total)	5	(µg/L)	ND	2 J	29	42	40	40	25	9 J	27	18	19	31	17	7	ND	2	
Total VOCs				3	31	163	193	209	190	32	65	135	97	91.5	131	84.5	56.5	10	29.2	
SEMIVOLATILES																				
117-81-7	bis(2-ethylhexyl)phthalate	5	(µg/L)	2 J, B	ND	ND	ND	ND	ND	ND	ND	ND	ND	2 J, B	ND	ND	ND	ND	ND	
105-67-9	2,4-Dimethylphenol	1	(µg/L)	ND	7 J	25	30	23	18	3 J	8 J	20	9 J	9 J	16	13	7 J	ND	2 J	
95-48-7	2-Methylphenol	1	(µg/L)	ND	2 J	6 J	6 J	4 J	3 J	ND	2 J	2 J	ND	ND	2 J	2 J	1 J	ND	ND	
106-44-5	4-Methylphenol	1	(µg/L)	ND	4 J	9 J	6 J	1 J	6 J	ND	2 J	4 J	3 J	ND	4 J	4 J	2 J	ND	ND	
56-55-3	Benzo[a]anthracene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
205-99-2	Benzo[b]fluoranthene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
191-24-2	Benzo[g,h,i]perylene	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
85-68-7	Butyl benzyl phthalate	50 (G)	(µg/L)	1 J, B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
84-66-2	Diethyl phthalate	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
84-74-2	Di-n-butyl phthalate	50	(µg/L)	4 J, B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
117-84-0	Di-n-octyl phthalate	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
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	ND	13	5 J	ND	ND	
108-95-2	Phenol	1	(µg/L)	3 J, B	3 J	6 J	2 J	1 J	4 J	ND	3 J	2 J	2 J	3 J	ND	4 J	ND	ND	1 J	
Total SVOCs				11	20	54	42	38	41	6	25	36	15	15	22	36	15	ND	3	

Notes:
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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.
D03 = Dilution required due to foaming
* = LCS or LCSD exceeds control limits

Appendix B-2

Monitoring Well Historically Detected Compounds

Cherry Farm Groundwater Analytical Data Historically Detected Compounds			NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample ID: Source: SDG: Matrix: Sampled:	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5						
					162136	G5119	H1022	H7532	J8487	M0195	N5017	Q4026	R7321	S7323	T7108	V4312	Z7815	A7431	B4468	E1138			
					Columbia	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OB	OB	OB	OB	OB	OB		
					MW1	5116	6857	7830	9595	1489	3880	5512	7645	9270	764	2494	4203	5716	6968	6968	6968		
					Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	
					08/12/97	11/20/97	02/20/98	05/29/98	10/22/98	04/20/99	11/10/99	04/28/00	12/15/00	06/20/01	12/13/01	06/18/02	12/18/02	06/24/03	12/18/03	06/08/04			
CAS NO.	COMPOUND	UNITS:																					
PESTICIDES																							
309-00-2	Aldrin	NS	(µg/L)	ND	ND	ND	ND	ND	0.0016 J, P	ND	0.0016 J, P	0.0031 J, P	ND	ND	0.044 J, P	ND	ND	ND	ND	ND			
313-34-6	alpha-BHC	0.01	(µg/L)	ND	ND	ND	ND	ND	0.0069 B, J, P	ND	ND	0.0012 J, P	ND	ND	ND	ND	ND	ND	ND	ND			
5103-71-9	alpha-Chlordane	0.05	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0011 J, P	ND	ND	ND	ND	ND	ND			
319-85-7	beta-BHC	0.04	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0079 J, P	ND	ND	ND	ND	ND			
72-54-8	4,4'-DDD	0.3	(µg/L)	ND	ND	ND	ND	ND	ND	ND	0.0033 J, P	ND	ND	ND	ND	ND	ND	ND	ND	ND			
72-55-9	4,4'-DDE	0.2	(µg/L)	ND	ND	ND	ND	0.0011 J, P	0.0014 J, P	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
50-28-3	4,4'-DDT	0.2	(µg/L)	ND	ND	ND	ND	ND	ND	0.0015 J, P	ND	ND	ND	ND	0.0037 J, P	ND	ND	ND	ND	ND			
319-86-8	delta-BHC	0.04	(µg/L)	ND	ND	ND	ND	0.0015 J, P	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
60-57-1	Dieldrin	0.004	(µg/L)	ND	ND	0.0095 J, P	0.003 J, P	ND	0.0036 J, P	0.0071 J, P	0.0021 J, P	0.0011 J, P	ND	0.012 B, J	ND	ND	ND	ND	ND	ND			
959-98-8	Endosulfan I	NS	(µg/L)	ND	ND	ND	ND	ND	0.0025 J, P	0.013 B, J, P	ND	0.0024 J, P	ND	ND	ND	ND	ND	0.0066 J, P	ND	ND			
33213-65-9	Endosulfan II	NS	(µg/L)	ND	ND	0.0026 J	0.0011 B, J, P	ND	ND	ND	ND	0.0021 J, P	ND	0.00076 J, P	ND	ND	ND	ND	ND	ND			
1031-07-8	Endosulfan sulfate	NS	(µg/L)	ND	ND	ND	0.0067 J, P	0.0037 B, J, P	0.004 J, P	0.0044 J, P	ND	0.0021 J, P	ND	ND	ND	ND	ND	ND	ND	ND			
72-20-8	Endrin	NS	(µg/L)	ND	ND	ND	0.0078 J, P	ND	0.0055 J, P	0.0029 J, P	ND	0.0056 J, P	ND	ND	ND	ND	ND	ND	2.6	ND			
7421-93-4	Endrin aldehyde	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	0.0017 J, P	ND	0.0088 B, J, P	ND	ND	ND	0.015 B, J, P	ND	ND			
58-89-9	gamma-BHC (Lindane)	0.05	(µg/L)	ND	ND	0.0037 J, P	0.0041 J, P	ND	0.0085 J	0.016 J, P	0.036 J, P	ND	ND	ND	ND	ND	ND	ND	ND	ND			
5103-74-2	gamma-Chlordane	0.05	(µg/L)	ND	ND	ND	ND	0.0047 J, P	0.0018 B, J, P	0.0031 J, P	ND	ND	ND	0.018 J, P	0.0075 J, P	ND	0.0092 J	ND	0.0048 B, J	ND			
76-44-8	Heptachlor	0.04	(µg/L)	ND	ND	ND	0.0047 J, P	0.0031 J, P	0.00072 J, P	0.0024 J, P	0.00069 J, P	ND	ND	0.0054 J, P	ND	ND	ND	ND	ND	ND			
1024-57-3	Heptachlor epoxide	0.03	(µg/L)	ND	ND	0.003 J, P	ND	0.0015 J, P	0.0017 J, P	0.0058 J	0.0023 B, J, P	0.0017 J, P	ND	0.002 J, P	0.0074 J	ND	ND	ND	ND	ND			
72-43-5	Methoxychlor	35	(µg/L)	ND	ND	ND	ND	ND	0.0061 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
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				
PCBs																							
None Detected				(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Total PCBs				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)	ND	ND	ND	ND	2.9 B	2.5 B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
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	ND	0.17 B	0.19 B	0.18 B	0.46	ND	0.24 B	0.21 B	0.14 B	ND	ND	ND	ND				
7440-42-9	Cadmium	5	(µg/L)	6.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.4 B	ND	ND	ND	ND	ND				
7440-70-2	Calcium	NS	(µg/L)	196000	153000	51600	38500	36100	44900	58300	133000	53000	68700	62400	50300	94500	143000	17000	156000				
7440-47-8	Chromium	50	(µg/L)	ND	23	8.9 B	8 B	9.8 B	25.4	20.7 E	12.9	14.1	15.6	19	15.4 E	5.8 B	3.7 B	2.6 B	7.1 B				
7440-48-4	Cobalt	NS	(µg/L)	3 B	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.8 B	ND	ND	ND	ND	ND				
7440-50-8	Copper	200	(µg/L)	ND	13.1 B	13.4 B	17.5 B	14.1 B	12.9 B	15.8 B	9.1 B	15.4	10 B	16.8 B	17.2 B	11.3 B	6.7 B	ND	2.7 B				
7439-89-6	Iron	300	(µg/L)	32800	24200	12800	10200	12200	13400	16800	24100	10200	12200	14900	14100	19100	25700	29600	27400				
7439-92-1	Lead	25	(µg/L)	ND	7.7	6.7	6.3	6.6	4.6	7.8	2.3 B	8.3	4.2	8.2	7.7 N	3.8	2.8 B	ND	2.1 B				
7439-95-4	Magnesium	35000 (G)	(µg/L)	51800	41700	14600	10100	9220	11200	15700	34700	14300	19700	19500	13800	25300	35100	41000	37200				
7439-96-5	Manganese	300	(µg/L)	226	259	189	160	197	213	249	203	162	178	231	212	188	198	202	213				
7439-97-6	Mercury	0.7	(µg/L)	ND	ND	ND	ND	ND	ND	ND	0.12 B	ND	ND	ND	ND	ND	ND	ND	ND				
7440-02-0	Nickel	100	(µg/L)	ND	12.8 B	4.9 B	4.6 B	4.3 B	12.4 B	9.7 B, E	4.5 B	5.5	6.7 B	8.6 B	4 B	ND	ND	ND	1.7 B				
7440-09-7	Potassium	NS	(µg/L)	4220 B	8010	25100	28600	29300	41700	34700	17400	27800 E	22600	32700	34000	23100	12700	6010	10300				
7782-49-2	Selenium	10	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.2 B	1.6 B	ND	ND	3.2 B	3.1 B				
7440-22-4	Silver	50	(µg/L)	ND	0.92 B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
7440-23-5	Sodium	20000	(µg/L)	49800	47700	98000	108000	97600	102000	101000 E	76800	93400	85800	94700	95500 E	80500	70200	60500	66200				
7440-28-0	Thallium	5 (G)	(µg/L)	13.5	3.9 B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
7440-62-2	Vanadium	NS	(µg/L)	ND	8.5 B	9.9 B	9.6 B	8.6 B	8.9 B	9.9 B, E	4.8 B	8.5 B	6.3 B	9.3 B	7.9 B	3.7 B	1.5 B	2.7 B	2.7 B				
7440-66-6	Zinc	2000 (G)	(µg/L)	64.1	37.7	24.2	34.9	55.8	18.8 B	28.4	10 B	13.3 B	10.3 B	12.4 B	48.9	8.5 B	18.3 B	ND	21.2				
57-12-5	Cyanide	200	(µg/L)	4.7 B	19.5	41.6	12.5	36	33.5	ND	36.8	23	38.7	ND	19.6	11	ND	ND	ND				
Total Inorganics				335,236	277,962	203,666	196,281	185,502	214,181	229,190	286,759	199,819	209,780	225,554	208,758	243,215	287,304	307,608	297,665				

Notes:
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(G) = Guidance Value
ND = Concentration was 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.
DO3 = Dilution required due to foaming
* = LCS or LCSD exceeds control limits

Appendix B-2

Monitoring Well Historically Detected Compounds

Cherry Farm Groundwater Analytical Data Historically Detected Compounds		NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample ID:	MW-5 0508042-002A	MW-5 0603100-004A	MW-5 A7E98506	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	MW-5 480-38363-5	MW-5 480-56775-5	MW-5 480-70616-9	MW-5 480-83528-8	MW-5 480-101785-4	MW-5 480-114997-2	MW-5 480-125448-4
			Source: SDG: Matrix: Sampled:	OB 200508 Water 08/05/05	LSL-BL 6030950 Water 03/22/06	BM A07-E985 Water 12/26/07	TA A08-E150 Water 11/10/08	TA RSI0296 Water 09/10/09	TA RTF0798 Water 06/10/10	TA 480-2185 Water 03/03/11	TA 480-14453 Water 12/23/11	TA 480-23574 Water 08/07/12	TA 480-38363 Water 05/15/13	TA 480-56775 Water 03/27/14	TA 480-70616 Water 11/03/14	TA 480-83528 Water 07/08/15	TA 480-101785 Water 06/16/16	TA 480-114997 Water 03/22/17	TA 480-125448 Water 10/05/17
CAS NO.	COMPOUND		UNITS:																
VOLATILES																			
67-64-1	Acetone	50 (G)	(µg/L)	4	3	49	ND	ND	ND	4.1 J	ND	ND	ND	9.0 J	ND	10	8.3 J	ND	17 J
71-43-2	Benzene	1	(µg/L)	47	33	ND	60	76	80 DO3	48	56	97	130	1.4	4.8 J	1.1	11	15	19
78-93-3	2-Butanone	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
75-15-0	Carbon disulfide	60 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
75-00-3	Chloroethane	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
67-66-3	Chloroform	7	(µg/L)	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
74-87-3	Chloromethane	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
100-41-4	Ethylbenzene	5	(µg/L)	3	1	ND	3 J	4.4 J	ND	2.3	1.2	7.6	ND	ND	ND	ND	ND	ND	ND
75-09-2	Methylene chloride	5	(µg/L)	2	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.3 J
100-42-5	Styrene	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
108-88-3	Toluene	5	(µg/L)	7	2	ND	5	5.6	3.7 DO3, J	1.4	2.3	11	7.4 J	ND	ND	ND	ND	ND	ND
1330-20-7	Xylene (total)	5	(µg/L)	9	4	8	10 J	16	12 DO3	7.9	6.2	29	27	ND	ND	ND	ND	ND	ND
Total VOCs				75	44	57	78	102	95.7	59.6	69.8	144.6	164.4	10.4	4.8	11.1	19.3	15	39.3
SEMI-VOLATILES																			
117-81-7	Di(2-ethylhexyl)phthalate	5	(µg/L)	1 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
105-67-9	2,4-Dimethylphenol	1	(µg/L)	5 J	2 J	ND	4 J	6.0	2.9 J	0.84 J	2.5 J	8.0	5.8 *	ND	ND	ND	ND	ND	ND
95-48-7	2-Methylphenol	1	(µg/L)	1 J	ND	0.7 J	0.7 J	1.4 J	ND	0.49 J	2.3 J	1.2 J	ND	ND	ND	ND	ND	ND	ND
106-44-5	4-Methylphenol	1	(µg/L)	1 J	ND	0.9 J	1 J	1.6 J	ND	0.54 J	2.1 J	1.3 J	ND	ND	ND	ND	ND	ND	ND
86-85-3	Benzo[a]anthracene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.57 J B	ND	ND	ND	ND	ND	ND
205-99-2	Benzo[b]fluoranthene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.60 J B	ND	ND	ND	ND	ND	ND
191-24-2	Benzo[g,h,i]perylene	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.35 J	ND	ND	ND	ND	ND	ND
85-68-7	Butyl benzyl phthalate	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.86 J B	ND	1.9 J B	ND	ND	ND	ND
84-66-2	Diethyl phthalate	50 (G)	(µg/L)	ND	ND	ND	1 J B	ND	ND	ND	ND	ND	0.36 J	ND	ND	ND	ND	ND	ND
84-74-2	Di-n-butyl phthalate	50	(µg/L)	ND	ND	0.3 J B	1 J B	0.72 J	0.58 J	ND	1.3 J B	ND	0.67 J B	0.31 J B	ND	ND	ND	ND	0.46 J
117-84-0	Di-n-octyl phthalate	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.64 J B	ND	ND	ND	ND	ND	ND
91-20-3	Naphthalene	10 (G)	(µg/L)	ND	1 J	ND	11 B	23	17	7.9	ND	39	26 B	ND	ND	ND	ND	ND	ND
108-95-2	Phenol	1	(µg/L)	ND	2 J	ND	0.8 J	ND	ND	ND	ND	ND	1.3 J	ND	ND	ND	ND	ND	ND
Total SVOCs				8	5	1.9	19.5	32.72	20.48	8.74	4.83	51.4	39.65	0.31	1.9	ND	ND	ND	0.46

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
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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.
DO3 = Dilution required due to foaming
* = LCS or LCSD exceeds control limits

Appendix B-2

Monitoring Well Historically Detected Compounds

Cherry Farm Groundwater Analytical Data Historically Detected Compounds		NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample ID:	MW-5 0508042-002A	MW-5 0603100-004A	MW-5 A7E98506	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	MW-5 480-38363-5	MW-5 480-56775-5	MW-5 480-70616-9	MW-5 480-83528-8	MW-5 480-101785-4	MW-5 480-114997-2	MW-5 480-125448-4
Source:				OB	LSL-BL	BM	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA
SDG:				200508	6030950	A07-E985	A08-E150	RSI0296	RTF0798	480-2185	480-14453	480-23574	480-38363	480-56775	480-70616	480-83528	480-101785	480-114997	480-125448
Matrix:				Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
Sampled:				08/05/05	03/22/06	12/26/07	11/10/08	09/10/09	06/10/10	03/03/11	12/23/11	08/07/12	05/15/13	03/27/14	11/03/14	07/08/15	06/16/16	03/22/17	10/05/17
CAS NO.	COMPOUND		UNITS:																
PESTICIDES																			
309-00-2	Aldrin	NS	(µg/L)																
319-84-8	alpha-BHC	0.01	(µg/L)																
5103-71-9	alpha-Chlordane	0.05	(µg/L)																
319-85-7	beta-BHC	0.04	(µg/L)																
72-54-8	4,4-DDD	0.3	(µg/L)																
72-55-9	4,4-DDE	0.2	(µg/L)																
50-29-3	4,4-DDT	0.2	(µg/L)																
319-86-8	delta-BHC	0.04	(µg/L)																
60-57-1	Dieldrin	0.004	(µg/L)																
959-98-8	Endosulfan I	NS	(µg/L)																
33213-65-9	Endosulfan II	NS	(µg/L)																
1031-07-8	Endosulfan sulfate	NS	(µg/L)																
72-20-8	Endrin	NS	(µg/L)																
7429-93-4	Endrin aldehyde	5	(µg/L)																
58-99-9	gamma-BHC (Lindane)	0.05	(µg/L)																
5103-74-2	gamma-Chlordane	0.05	(µg/L)																
76-44-8	Heptachlor	0.04	(µg/L)																
1024-57-3	Heptachlor epoxide	0.03	(µg/L)																
72-43-5	Methoxychlor	35	(µg/L)																
Total Pesticides				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs																			
None Detected			(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PCBs				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
INORGANICS																			
7429-90-5	Aluminum	NS	(µg/L)																
7440-36-0	Antimony	3	(µg/L)																
7440-38-2	Arsenic	25	(µg/L)																
7440-39-3	Barium	1000	(µg/L)																
7440-41-7	Beryllium	3 (G)	(µg/L)																
7440-43-9	Calcium	5	(µg/L)																
7440-70-2	Calcium	NS	(µg/L)																
7440-47-8	Chromium	50	(µg/L)																
7440-48-4	Cobalt	NS	(µg/L)																
7440-50-8	Copper	200	(µg/L)																
7439-89-6	Iron	300	(µg/L)																
7439-92-1	Lead	25	(µg/L)																
7439-95-4	Magnesium	35000 (G)	(µg/L)																
7439-96-5	Manganese	300	(µg/L)																
7439-97-6	Mercury	0.7	(µg/L)																
7440-02-0	Nickel	100	(µg/L)																
7440-09-7	Potassium	NS	(µg/L)																
7782-49-2	Selenium	10	(µg/L)																
7440-22-4	Silver	50	(µg/L)																
7440-23-5	Sodium	20000	(µg/L)																
7440-23-0	Thallium	5 (G)	(µg/L)																
7440-62-2	Vanadium	NS	(µg/L)																
7440-66-6	Zinc	2000 (G)	(µg/L)																
57-12-5	Cyanide	200	(µg/L)																
Total Inorganics				NA	NA	NA	NA	NA	NA	NA	NA	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.
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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.
DO3 = Dilution required due to foaming
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Appendix B-2

Monitoring Well Historically Detected Compounds

Cherry Farm Groundwater Analytical Data Historically Detected Compounds		NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample ID: Source: SDG: Matrix: Sampled:	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6		
				162137	G5189	H1023	H7533	J8491	M0298	N4878	Q4027	R7179	S7280	T6911	V4636	Z7812	A7433	B4508	E1190	
				Columbia	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OB	OB	OB	OB	OB
				MW1	5116	6857	7830	9596	1516	3856	5512	7645	9259	739	2494	4203	5716	6968	6968	
				Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
				08/12/97	11/20/97	02/20/98	05/29/98	10/23/98	04/21/99	11/09/99	04/28/00	12/14/00	06/19/01	12/12/01	06/19/02	12/18/02	06/24/03	12/18/03	06/09/04	
				CAS NO.	COMPOUND		UNITS:													
VOLATILES																				
67-64-1	Acetone	50 (G)	(µg/L)	ND	ND	ND	ND	7 J, B	ND	ND	ND	3 J	5 J	ND	ND	4 J, B	ND	2 J, B		
75-15-0	Carbon disulfide	60 (G)	(µg/L)	ND	ND	ND	ND	ND	4 J	6 J	7 J	ND	ND	ND	ND	1 J	ND	ND		
75-09-2	Methylene chloride	5	(µg/L)	ND	ND	ND	ND	ND	1 J, B	ND	ND	ND	ND	1 J, B	ND	1 J, B	ND	0.6 J, B		
Total VOCs				ND	ND	ND	ND	7	5	6	7	3	5	1	ND	5	1	2.6		
SEMIVOLATILES																				
117-81-7	bis(2-ethylhexyl)phthalate	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	1 J	ND	3 J	1 J, B	ND	ND	ND	4 J		
56-55-3	Benzo[a]anthracene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
205-99-2	Benzo[b]fluoranthene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
191-24-2	Benzo[g,h,i]perylene	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
207-08-9	Benzo[k]fluoranthene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
85-68-7	Butyl benzyl phthalate	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
218-01-9	Chrysene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
84-85-2	Diethyl phthalate	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
84-74-2	Di-n-butyl phthalate	50	(µg/L)	1 J, B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
117-84-0	Di-n-octyl phthalate	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
129-00-0	Pyrene	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Total SVOCs				1	ND	ND	ND	ND	ND	ND	1	ND	3	1	ND	ND	ND	4		

Notes:
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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.
F2 = MS/MSD relative percent difference exceeds control limits.
* = LCS or LCSD is outside acceptance limits. ISTD response or retention time outside acceptance limits.

Appendix B-2

Monitoring Well Historically Detected Compounds

Cherry Farm Groundwater Analytical Data Historically Detected Compounds	NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample ID: Source: SDG: Matrix: Sampled:	UNITS:	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6
				162137	G5189	H1023	H7533	J8491	M0298	N4878	Q4027	R7179	S7280	T6911	V4636	Z7812	A7433
				Columbia	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OB	OB	OB
				MW1	5116	6857	7830	9596	1516	3856	5512	7645	9259	739	2494	4203	5716
CAS NO.	COMPOUND			Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
				08/12/97	11/20/97	02/20/98	05/29/98	10/23/98	04/21/99	11/09/99	04/28/00	12/14/00	06/19/01	12/12/01	06/19/02	12/18/02	06/24/03
	PESTICIDES		(µg/L)	ND	ND	ND	ND	ND	ND	ND	0.012 J	0.0017 J, P	ND	ND	0.012 J, P	ND	ND
309-00-2	Aldrin	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
318-84-6	alpha-BHC	0.01	(µg/L)	ND	ND	ND	0.00061 B, J, P	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
72-55-9	4,4'-DDE	0.2	(µg/L)	ND	ND	ND	ND	0.00066 J, P	ND	ND	ND	ND	0.0027 B, J	ND	ND	ND	ND
50-28-3	4,4'-DDT	0.2	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0033 J, P	ND	ND	ND	ND
60-57-1	Dieldrin	0.004	(µg/L)	ND	ND	ND	ND	0.0021 J	ND	ND	0.0032 J, P	ND	ND	ND	ND	ND	ND
959-98-8	Endosulfan I	NS	(µg/L)	ND	ND	ND	ND	ND	0.0014 J, P	ND	ND	ND	ND	ND	ND	ND	ND
1031-07-8	Endosulfan sulfate	NS	(µg/L)	ND	ND	ND	ND	0.0023 J, P	ND	ND	ND	ND	ND	ND	ND	ND	0.0071 J, P
72-20-8	Endrin	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	0.00069 J, P	ND	ND	ND	ND	ND	ND
7421-93-4	Endrin aldehyde	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.01 B, J, P	ND	ND	0.0056 B, J	ND
58-89-9	gamma-BHC (Lindane)	0.05	(µg/L)	ND	ND	0.0032 J, P	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
5103-74-2	gamma-Chlordane	0.05	(µg/L)	ND	ND	ND	0.0027 B, J, P	0.0021 J, P	0.0083 J, P	ND	0.0035 J, P	ND	ND	ND	ND	ND	0.0036 B, J, P
76-44-8	Heptachlor	0.04	(µg/L)	ND	ND	ND	ND	ND	ND	ND	0.0017 J, P	ND	ND	ND	ND	ND	ND
1024-57-3	Heptachlor epoxide	0.03	(µg/L)	ND	ND	ND	0.00052 B, J, P	ND	0.0027 J, P	ND	0.00066 B, J, P	0.00057 J, P	ND	ND	ND	ND	ND
	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
	PCBs		(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	None Detected			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Total PCBs			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	INORGANICS																
7429-90-5	Aluminum	NS	(µg/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
7440-36-0	Antimony	3	(µg/L)	ND	2.7 B	ND	ND	1.9 B	ND	ND	ND	ND	ND	ND	ND	ND	ND
7440-38-2	Arsenic	25	(µg/L)	8 B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.9 B	ND
7440-39-3	Barium	1000	(µg/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
7440-41-7	Beryllium	3 (G)	(µg/L)	0.95 B	ND	0.07 B	ND	ND	ND	0.07 B	ND	0.29 B	ND	0.11 B	0.17 B	ND	ND
7440-43-9	Cadmium	5	(µg/L)	3 B	ND	ND	ND	0.53 B	ND	ND	ND	ND	ND	ND	ND	ND	ND
7440-70-2	Calcium	NS	(µg/L)	123000	168000	165000	166000	161000	159000	167000	252000	247000	254000	235000	235000	171000	148000
7440-47-8	Chromium	50	(µg/L)	ND	2.9 B	2.8 B	ND	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
7440-50-8	Copper	200	(µg/L)	ND	0.97 B	1.1 B	ND	1.3 B	ND	0.83 B	ND	ND	1.8 B	ND	2.3 B	ND	ND
7439-89-6	Iron	300	(µg/L)	14600	20700	22400	21600	18100	17500	19600	33100	46900	66600	54000	46700	36100	27000
7439-92-1	Lead	25	(µg/L)	ND	ND	ND	ND	ND	ND	ND	2.9 B	ND	1.6 B	ND	ND	ND	0.69 B
7439-96-5	Magnesium	35000 (G)	(µg/L)	24900	25600	25700	24400	19500	16400	17800	36000	49200	61500	49500	53600	44400	35600
7440-02-0	Manganese	300	(µg/L)	1010	1420	1590	1610	1150	1220	1470	2100	3310	4620	4190	2900	2000	1530
7440-09-7	Nickel	100	(µg/L)	ND	0.71 B	ND	ND	ND	ND	1.3 B, E	ND	ND	ND	1.4 B	ND	ND	ND
7440-09-7	Potassium	10	(µg/L)	12300	22900	23100	25600	36900	54100	57900	56600	32800 E	31300	51800	22500	14600	13200
7440-22-4	Selenium	19	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.7 B	ND	ND	ND	2.7 B
7440-22-4	Silver	50	(µg/L)	1.5 B	0.64 B	0.75 B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
7440-23-5	Sodium	20000	(µg/L)	28700	35900	36300	33600	32800	36500	43500 E	58300	62400	70000	66400	55400 E	44900	35300
7440-28-0	Thallium	5 (G)	(µg/L)	ND	6 B	6.2 B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
7440-62-2	Vanadium	NS	(µg/L)	ND	1.1 B	1.3 B	1.4 B	ND	1.4 B	1.4 B, E	0.66 B, J, P	1 B	1.6 B	1.8 B	ND	2.1 B	1.2 B
7440-66-6	Zinc	2000 (G)	(µg/L)	48.8	4.8 B	11.7 B	1.9 B	7.4 B	7.5 B	41.6	3.3	2.2 B	8.6 B	5.6 B	270	1.3 B	15.4 B
57-12-5	Cyanide	200	(µg/L)	5.5	20.7	ND	ND	ND	ND	ND	23	11.7	12	ND	ND	15.7	8.3 B
	Total Inorganics			204,722	274,769	274,332	272,975	269,653	284,922	307,730	438,356	441,888	488,470	461,216	416,845	315,783	262,195

Notes:
NYSDEC June 1998 Ambient Water Quality Standards and Guidance Values for Groundwater Class GA.
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(G) = Guidance Value
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B = Compound was found in the blank and sample.
P2 = MS/MSD relative percent difference exceeds control limits.
* = LCS or LCSD is outside acceptance limits. ISTD response or retention time outside acceptance limits.

Appendix B-2

Monitoring Well Historically Detected Compounds

Cherry Farm Groundwater Analytical Data Historically Detected Compounds		NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample ID: Source: SDG: Matrix: Sampled:	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6		
				0508015-003A	0603108-002A	A7E98507	A8E30604	RSI0312-06	RTF0798-05	480-2185-5	480-14453-5	480-23574-3	480-38363-6	480-56775-6	480-70616-3	480-83521-2	480-101785-1	480-114997-3	480-125448-5		
				OB	LSL-BL	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA		
				200508	6030950	A07-E985	A08-E150	RSI0296	RTF0798	480-2185	480-14453	480-23574	480-38363	480-56775	480-70616	480-83528	480-101785	480-114997	480-125448		
				Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	
				08/01/05	03/23/06	12/26/07	11/10/08	09/09/09	06/10/10	03/03/11	12/23/11	08/07/12	05/15/13	03/27/14	11/03/14	07/08/15	06/16/16	03/22/17	10/05/17		
CAS NO.	COMPOUND		UNITS:																		
				VOLATILES																	
67-64-1	Acetone	50 (G)	(µg/L)	3 J, B	2 J, B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.0 J		
75-15-0	Carbon disulfide	60 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
75-09-2	Methylene chloride	5	(µg/L)	0.7 J, B	0.8 J, B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
				Total VOCs	3.7	2.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.0	
				SEMIVOLATILES																	
117-81-7	bis(2-ethylhexyl)phthalate	5	(µg/L)	ND	ND	17	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
56-55-3	Benzo[a]anthracene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.75 J, B	ND	ND	ND	ND	ND		
205-99-2	Benzo[b]fluoranthene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.70 J, B	ND	ND	ND	ND	ND		
191-24-2	Benzo[g,h,i]perylene	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.51 J	ND	ND	ND	ND	ND		
207-08-9	Benzo[k]fluoranthene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.82 J	ND	ND	ND	ND	ND		
85-59-1	Butyl benzyl phthalate	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.94 J, B	ND	ND	ND	ND	F2		
218-01-9	Chrysene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.31 J	ND	ND	ND	ND	ND		
84-56-2	Diethyl phthalate	50 (G)	(µg/L)	ND	ND	ND	1, B	ND	ND	ND	ND	ND	ND	0.34 J	ND	ND	ND	ND	ND		
84-74-2	Di-n-butyl phthalate	ND	(µg/L)	ND	ND	0.4 J, B	0.7 J	ND	0.45 J	0.43 J	0.98 J, B	ND	ND	0.75 J, B	0.39 J, B	ND	ND	ND	F2		
117-84-0	Di-n-octyl phthalate	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.85 J, B	ND	ND	ND	ND	F2		
123-00-0	Pyrene	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.38 J	ND	ND	ND	ND	F2		
				Total SVOCs	ND	ND	17.4	0.3	ND	0.45	0.43	0.98	ND	6.35	0.39	ND	ND	ND	ND	0.38	

Appendix B-2

Monitoring Well Historically Detected Compounds

Cherry Farm Groundwater Analytical Data Historically Detected Compounds		NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample ID: Source: SDG: Matrix: Sampled:	MW-6 0508015-003A	MW-6 0603108-002A	MW-6 A7E98507	MW-6 ABE30604	MW-6 RSI0312-06	MW-6 RTF0798-05	MW-6 480-2185-5	MW-6 480-14453-5	MW-6 480-23574-3	MW-6 480-38363-6	MW-6 480-56775-6	MW-6 480-70616-3	MW-6 480-83521-2	MW-6 480-101785-1	MW-6 480-114997-3	MW-6 480-125448-5
CAS NO.	COMPOUND																		
PESTICIDES			UNITS:																
309-00-2	Aldrin	NS	(µg/L)																
319-84-6	alpha-BHC	0.01	(µg/L)																
72-55-9	4,4'-DDE	0.2	(µg/L)																
50-28-3	4,4'-DDT	0.2	(µg/L)																
60-57-1	Dieldrin	0.004	(µg/L)																
959-98-8	Endosulfan I	NS	(µg/L)																
1031-07-8	Endosulfan sulfate	NS	(µg/L)																
72-20-8	Endrin	NS	(µg/L)																
7421-93-4	Endrin aldehyde	5	(µg/L)																
58-89-9	gamma-BHC (Lindane)	0.05	(µg/L)																
5103-74-2	gamma-Chlordane	0.05	(µg/L)																
76-44-8	Heptachlor	0.04	(µg/L)																
1024-57-3	Heptachlor epoxide	0.03	(µg/L)																
Total Pesticides				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs			(µg/L)																
None Detected				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PCBs				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
INORGANICS																			
7429-90-5	Aluminum	NS	(µg/L)																
7440-36-0	Antimony	3	(µg/L)																
7440-38-2	Arsenic	25	(µg/L)																
7440-39-3	Barium	1000	(µg/L)																
7440-41-7	Beryllium	3 (G)	(µg/L)																
7440-43-0	Cadmium	5	(µg/L)																
7440-70-2	Calcium	NS	(µg/L)																
7440-47-8	Chromium	50	(µg/L)																
7440-50-8	Copper	200	(µg/L)																
7439-89-6	Iron	300	(µg/L)																
7439-92-1	Lead	25	(µg/L)																
7439-95-4	Magnesium	35000 (G)	(µg/L)																
7439-96-5	Manganese	300	(µg/L)																
7440-02-0	Nickel	100	(µg/L)																
7440-08-7	Potassium	NS	(µg/L)																
7782-49-2	Selenium	10	(µg/L)																
7440-22-4	Silver	50	(µg/L)																
7440-23-5	Sodium	20000	(µg/L)																
7440-28-0	Thallium	5 (G)	(µg/L)																
7440-62-2	Vanadium	NS	(µg/L)																
7440-66-6	Zinc	2000 (G)	(µg/L)																
57-12-5	Cyanide	200	(µg/L)																
Total Inorganics				NA	NA	NA	NA	NA	NA	NA	NA	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.
NS = No Standard
(G) = Guidance Value
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Appendix B-2

Monitoring Well Historically Detected Compounds

Cherry Farm Groundwater Analytical Data Historically Detected Compounds		NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample ID:	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		
Source: SDG: Matrix: Sampled:				Columbia MW1 08/12/97	OBG 5116 Water 11/20/97	OBG 6857 Water 02/20/98	OBG 7830 Water 05/29/98	OBG 9596 Water 10/23/98	OBG 1516 Water 04/21/99	OBG 3856 Water 11/09/99	OBG 5512 Water 04/28/00	OBG 7645 Water 12/13/00	OBG 9259 Water 06/18/01	OBG 739 Water 12/12/01	OB 2494 Water 06/19/02	OB 4203 Water 12/19/02	OB 5716 Water 06/25/03	OB 6968 Water 12/18/03	OB 6968 Water 06/09/04		
CAS NO.	COMPOUND			UNITS:																	
VOLATILES																					
67-64-1	Acetone			50 (G) (µg/L)	ND	ND	ND	ND	8 J, B	ND	ND	ND	8 J	ND	ND	ND	ND	3 J, B	ND	ND	3 J, B
75-15-0	Carbon disulfide	60 (G) (µg/L)	ND	ND	ND	ND	ND	ND	11	8 J	4 J	ND	ND	ND	ND	30	ND	ND	ND		
75-08-2	Methylene chloride	5 (µg/L)	ND	ND	ND	ND	5	1 J	ND	ND	ND	1 J	ND	0.9 J, B	1 J	1 J, B	0.5 J, B	ND	0.7 J, B		
127-18-4	Tetrachloroethene	5 (µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	1 J	ND	ND	ND	ND	ND	ND	ND		
1330-20-7	Xylene (total)	5 (µg/L)	ND	ND	ND	ND	ND	1 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Total VOCs			ND	ND	ND	ND	10	11	8	4	10	ND	0.9	1	4	30.5	ND	ND	3.7		
SEMIVOLATILES																					
56-55-3	Benzo[a]anthracene	20 (G) (µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	9 J	ND	ND	ND		
50-32-8	Benzo[a]pyrene	NS (µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7 J	ND	ND	ND		
205-99-2	Benzo[b]fluoranthene	0.002 (G) (µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	14	ND	ND	ND		
191-24-2	Benzo[g,h,i]perylene	NS (µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4 J	ND	ND	ND		
207-08-9	Benzo[k]fluoranthene	0.002 (G) (µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4 J	ND	ND	ND		
117-81-7	bis(2-ethylhexyl) phthalate	5 (µg/L)	2 J, B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	11	ND	ND	18		
85-68-7	butyl benzyl phthalate	50 (G) (µg/L)	1 J, B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
218-01-9	Chrysene	0.002 (G) (µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7 J	ND	ND	ND		
84-74-2	Di-n-butyl phthalate	50 (G) (µg/L)	3 J, B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
117-84-0	Di-n-octyl phthalate	50 (G) (µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
84-66-2	Diethyl phthalate	50 (G) (µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
105-67-9	2,4-Dimethylphenol	1 (µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6 J	ND	ND	ND		
206-44-0	Fluoranthene	50 (G) (µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	13	ND	ND	ND		
193-39-5	Indeno[1,2,3-cd]pyrene	0.002 (G) (µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4 J	ND	ND	ND		
95-48-7	2-Methylphenol	1 (µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1	ND	ND	ND		
106-44-5	4-Methylphenol	1 (µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3 J	ND	ND	ND		
91-20-3	Naphthalene	10 (G) (µg/L)	10 J	8 J	3 J	1 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
108-95-2	Phenol	1 (µg/L)	2 J, B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
129-00-0	Pyrene	50 (G) (µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	26	ND	ND	ND		
Total SVOCs			18	8	3	1	ND	ND	ND	ND	ND	ND	4	ND	ND	109	ND	ND	18		

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Appendix B-2

Monitoring Well Historically Detected Compounds

Cherry Farm Groundwater Analytical Data Historically Detected Compounds		NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample ID: Source: SDG: Matrix: Sampled:	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
CAS NO.	COMPOUND		UNITS:	Columbia MW1 Water 08/12/97	OBG 5116 Water 11/20/97	OBG 6857 Water 02/20/98	OBG 7830 Water 05/29/98	OBG 9596 Water 10/23/98	OBG 1516 Water 04/21/99	OBG 3856 Water 11/09/99	OBG 5512 Water 04/28/00	OBG 7645 Water 12/13/00	OBG 9259 Water 06/18/01	OBG 739 Water 12/12/01	OB 2494 Water 06/19/02	OB 4203 Water 12/19/02	OB 5716 Water 06/25/03	OB 6968 Water 12/18/03	OB 6968 Water 06/09/04
PESTICIDES																			
309-00-2	Aldrin	ND	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.011 J, P	ND	ND	ND	ND
315-84-6	alpha-BHC	0.01	(µg/L)	ND	ND	ND	0.00044 B, J, P	ND	0.0061 B, J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
315-86-8	delta-BHC	0.04	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	0.00061 B, J, P	ND	ND	ND	ND	ND	ND	ND
72-54-8	4,4'-DDD	0.3	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	0.003 J, P	ND	ND	ND	ND	ND	ND	ND
72-55-9	4,4'-DDE	0.2	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	0.003 B, J, P	ND	ND	ND	ND	ND	ND	ND
60-57-1	Dieldrin	0.004	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0027 J	ND	ND	ND	ND	ND
959-98-8	Endosulfan I	NS	(µg/L)	ND	ND	ND	ND	ND	0.0012 J, P	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
33213-65-9	Endosulfan II	NS	(µg/L)	ND	ND	ND	0.00072 B, J, P	ND	ND	ND	ND	0.00089 J, P	ND	ND	ND	ND	ND	ND	ND
1031-07-8	Endosulfan sulfate	NS	(µg/L)	ND	ND	0.0033 J, P	ND	ND	ND	ND	ND	0.1 J, P	ND	ND	ND	ND	ND	ND	ND
7421-93-4	Endrin aldehyde	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.021 B, J	ND	ND	0.004 B, J	ND	ND
53494-70-5	Endrin ketone	5	(µg/L)	ND	ND	ND	ND	0.0013	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
58-89-9	gamma-BHC (Lindane)	0.05	(µg/L)	ND	ND	0.0055 J	0.00091 J, P	ND	ND	0.012 J, P	0.0029 J, P	ND	ND	0.0039 J	ND	ND	ND	ND	ND
5103-74-2	gamma-Chlordane	0.05	(µg/L)	ND	ND	ND	0.0042 B, J, P	0.0037	0.008 J, P	ND	0.0042 J, P	ND	ND	ND	ND	ND	ND	ND	0.0024 B, J, P
1022-43-7	Heptachlor epoxide	0.03	(µg/L)	ND	ND	ND	ND	ND	0.0048 J	ND	0.0018 B, J, P	ND	ND	ND	ND	ND	ND	ND	ND
72-43-5	Methoxychlor	35	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	0.044 B, J, P	ND	ND	ND	ND	ND	ND	ND
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
PCBs																			
PCB-1242			(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PCBs				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
INORGANICS																			
7429-90-5	Aluminum	NS	(µg/L)	122	24900	1540	398	189 B	316	711	1730	544 E	79.1 B	265	582	304	315	224	329
7440-36-0	Antimony	3	(µg/L)	ND	8.6 B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
7440-38-2	Arsenic	25	(µg/L)	24.2	52.2	ND	ND	ND	ND	ND	14	6.4 B	15.5	25	19.9	21.3	15.8	20.9	16.8
7440-39-3	Barium	1000	(µg/L)	246	637	543	612	616	575	614	626	538	374	388	375	369	360	348	362
7440-41-7	Beryllium	3 (G)	(µg/L)	1.2 B	1.8 B	0.13 B	ND	ND	ND	0.26 B	0.19 B	0.33 B	ND	0.11 B	0.22 B	ND	ND	ND	ND
7440-43-9	Cadmium	5	(µg/L)	4 B	1.1 B	ND	ND	ND	ND	ND	ND	ND	ND	0.62 B	ND	ND	ND	ND	ND
7440-70-2	Calcium	NS	(µg/L)	60800	214000	104000	106000	103000	110000	111000	120000	125000	107000	112000	112000	109000	109000	108000	114000
7440-47-8	Chromium	50	(µg/L)	ND	77.2	7.4 B	ND	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	ND	4.9 B
7440-48-4	Cobalt	NS	(µg/L)	ND	17.8 B	ND	ND	ND	ND	ND	1.7 B	ND	ND	ND	ND	ND	ND	ND	ND
7440-50-8	Copper	200	(µg/L)	ND	56	3.2 B	1.3 B	2.2 B	2.7 B	3.3 B	2.4 B	ND	ND	ND	ND	ND	0.9 B	ND	ND
7439-99-6	Iron	300	(µg/L)	17900	75100	13100	11200	11200	12300	14300	27200	17700	25100	30700	26500	26300	22800	23900	23200
7439-92-1	Lead	25	(µg/L)	ND	53.2	ND	ND	ND	ND	ND	3.8	2.6 B	ND	ND	ND	ND	ND	ND	0.6 B
7439-95-4	Magnesium	35000 (G)	(µg/L)	7880	41900	21100	20800	21400	22000	22600	190000	21000	14800	13700	14200	13100	13600	12200	13200
7439-96-5	Manganese	300	(µg/L)	226	1790	177	126	121	149	170	382	246	292	344	298	302	282	277	287
7440-02-0	Nickel	100	(µg/L)	ND	54.8	2.7 B	2.8	1.4 B	3.5 B	4.5 B, E	8.1 B	4.4 B	2.6 B	4.8	ND	4.3 B	1.7 B	ND	2.5 B
7440-09-7	Potassium	NS	(µg/L)	8780	6220	2170 B	2310 B	1200 B	2170 B	2440 B	9540	5770 E	13100	16700	13000	12600	10700	12000	11200
7782-49-2	Selenium	10	(µg/L)	ND	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3 B	ND
7440-22-4	Silver	50	(µg/L)	1.4 B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
7440-23-5	Sodium	20000	(µg/L)	22800	26100	22300	20900	22100	23700	25700 E	27000	22900	23500	24800	27800 E	27200	26700	27700	28900
7440-28-0	Thallium	5 (G)	(µg/L)	ND	6.9 B	3.6 B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
7440-62-2	Vanadium	NS	(µg/L)	ND	42.5 B	3.4 B	1.8 B	ND	1.4 B	2.2 B, E	4.3 B	1.6 B	1.2 B	1.7 B	1.4 B	1.8 B	1.4 B	ND	ND
7440-66-6	Zinc	2000 (G)	(µg/L)	62.7	307	15.1 B	13.4 B	23.2	18.2 B	18.3 B	45.4	13.1 B	10 B	20.2	12.2 B	20.4	31.6	1.8 B	38.1
57-12-5	Cyanide	200	(µg/L)	7.4	31	13	ND	ND	ND	ND	ND	ND	ND	10.2	ND	11.8	14.4	13.4	ND
Total Inorganics				118,854.90	391,361.90	164,978.53	162,364.50	159,859.10	171,244.30	177,570.96	376,576.19	193,741.03	184,281.00	198,969.03	194,793.32	189,246.10	183,828.50	184,688.10	191,541.10

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
ND = Concentration was 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 Historically Detected Compounds

Cherry Farm Groundwater Analytical Data Historically Detected Compounds		NYSDEC Class GA Groundwater Standards/ Guidance Values		Sample ID: Lab Sample ID:	MW-7 0508015-001A	MW-7 0603108-002A	MW-7 A7E98508	MW-7 A8E15004	MW-7 RSI0312-05	MW-7 RTF0798-06	MW-7 480-2185-6	MW-7 480-14453-6	MW-7 480-23574-4	MW-7 480-38363-7	MW-7 480-56775-7	MW-7 480-70616-4	MW-7 480-83528-4	MW-7 480-101785-3	MW-7 Not Sampled	MW-7 Not Sampled
				Source: SDG: Matrix: Sampled:	OB 200508 Water 08/01/05	LSL-BL 6030950 Water 03/23/06	TA A07-E985 Water 12/26/07	TA A08-E150 Water 11/06/08	TA RSI0296 Water 09/09/09	TA RTF0798 Water 06/10/10	TA 480-2185 Water 03/03/11	TA 480-14453 Water 12/23/11	TA 480-23574 Water 08/07/12	TA 480-38363 Water 05/15/13	TA 480-56775 Water 03/27/14	TA 480-70616 Water 11/03/14	TA 480-83528 Water 07/08/15	TA 480-101785 Water 06/16/16	Not Sampled Water 03/22/17	Not Sampled Water 10/05/17
CAS NO.	COMPOUND		UNITS:																	
VOLATILES																				
67-64-1	Acetone	50 (G)	(µg/L)	4 J, B	2 J, B	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.4 J	ND	ND	ND		
75-15-0	Carbon disulfide	60 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
75-08-2	Methylene chloride	5	(µg/L)	2 J, B	1 J, B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
127-18-4	Tetrachloroethene	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
1330-20-7	Xylene (total)	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Total VOCs				6	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.4	ND	ND	ND	NA	NA
SEMIVOLATILES																				
56-55-3	Benzo[a]anthracene	20 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.0 J B	ND	ND	ND	ND		
50-32-8	Benzo[a]pyrene	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.61 J	ND	ND	ND	ND		
205-99-2	Benzo[b]fluoranthene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.0 J B	ND	ND	ND	ND		
191-24-2	Benzo[g,h,i]perylene	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.73 J	ND	ND	ND	ND		
207-08-9	Benzo[k]fluoranthene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.1 J	ND	ND	ND	ND		
117-91-7	Bis[2-ethylhexyl]phthalate	5	(µg/L)	ND	ND	37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
85-68-7	Butyl benzyl phthalate	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.4 J B	ND	ND	ND	ND		
218-01-9	Chrysene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.45 J	ND	ND	ND	ND		
84-74-2	Dibutyl phthalate	50	(µg/L)	ND	ND	0.4 J, B	0.3 J	ND	ND	0.41 J	1.0 J, B	ND	ND	0.91 J B	ND	ND	ND	ND		
117-84-0	Di-n-butyl phthalate	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.3 J B	ND	ND	ND	ND		
84-66-2	Diethyl phthalate	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.44 J	ND	ND	ND	ND		
105-67-9	2,4-Dimethylphenol	1	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
206-44-0	Fluoranthene	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
193-39-5	Indeno[1,2,3-cd]pyrene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.55 J	ND	ND	ND	ND		
95-48-7	2-Methylphenol	1	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
106-44-5	4-Methylphenol	1	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
91-20-3	Naphthalene	10 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
108-95-2	Phenol	1	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
129-00-0	Pyrene	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.56 J	ND	ND	ND	ND		
Total SVOCs				ND	ND	37.4	0.3	ND	ND	0.41	1.0	ND	9.61	ND	ND	ND	ND	ND	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.
NS = No Standard
(G) = Guidance Value
ND = Concentration was 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 Historically Detected Compounds

Cherry Farm Groundwater Analytical Data Historically Detected Compounds		NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample ID:	MW-7 0508015-001A	MW-7 0603108-002A	MW-7 A7E98508	MW-7 A8E15004	MW-7 RSI0312-05	MW-7 RTF0798-06	MW-7 480-2185-6	MW-7 480-14453-6	MW-7 480-23574-4	MW-7 480-38363-7	MW-7 480-56775-7	MW-7 480-70616-4	MW-7 480-83528-4	MW-7 480-101785-3	MW-7 Not Sampled	MW-7 Not Sampled
			Source: SDG: Matrix: Sampled:	OB	LSL-BL	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA		
				200508	6030950	A07-E985	A08-E150	RSI0296	RTF0798	480-2185	480-14453	480-23574	480-38363	480-56775	480-70616	480-83528	480-101785		
				Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
				08/01/05	03/23/06	12/26/07	11/06/08	09/09/09	06/10/10	03/03/11	12/23/11	08/07/12	05/15/13	03/27/14	11/03/14	07/08/15	06/16/16	03/22/17	10/05/17
CAS NO.	COMPOUND		UNITS:																
PESTICIDES																			
309-00-2	Aldrin	ND	(µg/L)																
319-84-5	alpha-BHC	0.01	(µg/L)																
319-86-8	beta-BHC	0.04	(µg/L)																
72-54-8	4,4'-DDD	0.3	(µg/L)																
72-55-9	4,4'-DDE	0.2	(µg/L)																
60-57-1	Dieldrin	0.004	(µg/L)																
959-98-8	Endosulfan I	NS	(µg/L)																
33213-65-9	Endosulfan II	NS	(µg/L)																
1031-07-8	Endosulfan sulfate	NS	(µg/L)																
7421-93-4	Endrin aldehyde	5	(µg/L)																
53494-70-5	Endrin ketone	5	(µg/L)																
58-89-9	gamma-BHC (Lindane)	0.05	(µg/L)																
5103-74-2	gamma-Chlordane	0.05	(µg/L)																
1024-57-3	Heptachlor epoxide	0.03	(µg/L)																
72-43-5	Methoxychlor	35	(µg/L)																
Total Pesticides				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs																			
PCB-1242				ND	ND	ND	ND	ND	ND	ND	ND	1.5	ND	ND	ND	ND	ND		
Total PCBs				ND	ND	ND	ND	ND	ND	ND	ND	1.5	ND	ND	ND	ND	ND	NA	NA
INORGANICS																			
7429-90-5	Aluminum	NS	(µg/L)																
7440-36-0	Antimony	3	(µg/L)																
7440-38-2	Arsenic	25	(µg/L)																
7440-39-3	Barium	1000	(µg/L)																
7440-41-7	Beryllium	3 (G)	(µg/L)																
7440-43-9	Cadmium	5	(µg/L)																
7440-70-2	Calcium	NS	(µg/L)																
7440-47-8	Chromium	50	(µg/L)																
7440-43-4	Cobalt	NS	(µg/L)																
7440-50-8	Copper	200	(µg/L)																
7439-89-6	Iron	300	(µg/L)																
7439-92-1	Lead	25	(µg/L)																
7439-95-4	Magnesium	35000 (G)	(µg/L)																
7439-96-5	Manganese	300	(µg/L)																
7440-02-0	Nickel	100	(µg/L)																
7440-09-7	Potassium	NS	(µg/L)																
7782-49-2	Selenium	10	(µg/L)																
7440-22-4	Silver	50	(µg/L)																
7440-23-5	Sodium	20000	(µg/L)																
7440-28-0	Thallium	5 (G)	(µg/L)																
7440-62-2	Vanadium	NS	(µg/L)																
7440-66-6	Zinc	2000 (G)	(µg/L)																
57-12-5	Cyanide	200	(µg/L)																
Total Inorganics				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
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Bold and shaded values exceed the NYSDEC Class GA groundwater standard/guidance value.
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Appendix B-2

Former Recovery Well Historically Detected Compounds

Cherry Farm Groundwater Analytical Data 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 RSI0296-01	RW-4 RTF0903-02	RW-4 480-2185-8	RW-4 480-14402-1	RW-4 480-23574-5	RW-4 480-38452-6	RW-4 480-56862-6	RW-4 480-70664-1	RW-4 480-83621-2	RW-4 480-101880-1	RW-4 480-114997-9	RW-4 480-125448-7
				Source: SDG:	OB	LSL-BL	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA
				Matrix:	200508	6030950	A07-E985	A08-E150	RSI0296	RTF0798	480-2185	480-14402	480-23574	480-38452	480-56862	480-70664	480-83621	480-101880	480-114997	480-125448
				Sampled:	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
					08/11/05	03/24/06	12/27/07	11/05/08	09/08/09	06/14/10	03/03/11	12/22/11	08/07/12	05/16/13	03/28/14	11/04/14	07/09/15	06/17/16	03/23/17	10/05/17
CAS NO.	COMPOUND		UNITS:																	
VOLATILES																				
67-64-1	Acetone	50 (G)	(µg/L)		5 J, B	1 J B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.1 J
71-43-2	Benzene	1	(µg/L)		4.3	ND	ND	ND	ND	ND	ND	9.9	6.5	13	1.3	14	0.60 J	ND	ND	ND
75-15-0	Carbon Disulfide	60 (G)	(µg/L)		ND	ND	ND	ND	ND	ND	ND	0.52 J B	ND	ND	ND	ND	ND	ND	ND	ND
156-58-2	cis-1,2-Dichloroethene	5	(µg/L)		0.7 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-
100-41-4	Ethylbenzene	5	(µg/L)		0.7 J	ND	ND	ND	ND	ND	ND	1.5	1.6	5.7	3.9	10	1.6	1.6	1.7	ND
75-09-2	Methylene chloride	5	(µg/L)		0.9 J B	0.9 J B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
100-42-5	Styrene	5	(µg/L)		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
108-88-3	Toluene	5	(µg/L)		1 J	ND	ND	ND	ND	ND	ND	0.92 J	0.55 J	ND	ND	ND	ND	ND	ND	ND
1330-20-7	Xylenes, Total	5	(µg/L)		ND	ND	ND	ND	ND	ND	ND	1.2 J	3.3	4.4	5.7	2.0	ND	ND	ND	ND
Total VOCs					12.3	1.9	ND	ND	ND	ND	ND	13.94	11.95	23.1	10.9	26	2.2	1.6	1.7	3.1
SEMIVOLATILES																				
120-12-7	Anthracene	50 (G)	(µg/L)		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.66 J	0.78 J	ND	ND	ND	ND
83-32-9	Acenaphthene	20 (G)	(µg/L)		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.49 J	ND
208-96-8	Acenaphthylene	NS	(µg/L)		ND	ND	ND	ND	ND	ND	ND	ND	ND	0.49 J	0.61 J	0.70 J	0.46 J	ND	ND	ND
56-55-3	Benzo(a)anthracene	0.002 (G)	(µg/L)		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
50-32-8	Benzo(b)pyrene	NS	(µg/L)		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
205-99-2	Benzo(k)fluoranthene	0.002 (G)	(µg/L)		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
191-24-2	Benzo(g,h,i)perylene	NS	(µg/L)		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
101-85-3	4-Bromophenyl phenyl ether	NS	(µg/L)		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
117-81-7	Bis(2-ethylhexyl)phthalate	5	(µg/L)		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
85-68-7	Butyl benzyl phthalate	50 (G)	(µg/L)		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
86-74-8	Carbazole	NS	(µg/L)		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND *
218-01-9	Chrysene	0.002 (G)	(µg/L)		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
53-70-3	Dibenz(a,h)anthracene	NS	(µg/L)		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
84-66-2	Diethyl phthalate	50 (G)	(µg/L)		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.41 J	0.27 J	0.29 J	0.70 J	0.77 J
81-74-2	Di-n-butyl phthalate	50	(µg/L)		ND	2 J	ND	ND	ND	0.37 J	ND	ND	ND	0.29 J	0.48 J B	ND	ND	0.39 J	1.2 J	ND
117-84-0	Di-n-octyl-phthalate	50 (G)	(µg/L)		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
95-50-1	1,2-Dichlorobenzene	3	(µg/L)		ND	1 ND	ND	0.5 J B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
541-73-1	1,3-Dichlorobenzene	3	(µg/L)		ND	ND	ND	0.6 J B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
106-46-7	1,4-Dichlorobenzene	3	(µg/L)		ND	ND	ND	0.5 J B	ND	ND	ND	0.34 J	ND	ND	ND	ND	ND	ND	ND	ND
206-44-0	Fluoranthene	50 (G)	(µg/L)		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
193-39-5	Idenyl(1,2,3-cd)pyrene	0.002 (G)	(µg/L)		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
91-57-6	2-Methylnaphthalene	NS	(µg/L)		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
100-02-7	4-Nitrophenol	1	(µg/L)		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
91-20-3	Naphthalene	10 (G)	(µg/L)		7 J	ND	ND	0.2 J B	ND	ND	ND	3.2 J	5.8	ND	0.88 J	ND	ND	ND	ND	ND
85-01-8	Phenanthrene	50 (G)	(µg/L)		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
108-95-2	Phenol	1	(µg/L)		ND	ND	ND	ND	ND	ND	ND	ND	ND	0.57 J	ND	ND	ND	ND	ND	ND
129-00-0	Pyrene	50 (G)	(µg/L)		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
120-82-1	1,2,4-Trichlorobenzene	5	(µg/L)		ND	ND	ND	0.3 J B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total SVOCs					7	2	ND	0.7	ND	ND	0.37	3.54	5.8	1.35	2.63	1.89	0.73	0.29	1.58	1.97
PCBs																				
None detected			(µg/L)		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PCBs					ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
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Appendix B-2

Former Recovery Well Historically Detected Compounds

Cherry Farm Groundwater Analytical Data Historically Detected Compounds		NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample ID:	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	RW-5 480-38452-7	RW-5 480-56862-7	RW-5 480-70664-2	RW-5 480-83621-3	RW-5 480-101880-2	RW-5 480-114997-10	RW-5 480-125448-8
			Source: SDG: Matrix: Sampled:																
				OB	LSL-BL	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA
				200508	6030950	A07-E985	A08-E150	RSI0296	RTF0798	480-2185	480-14402	480-23574	480-38452	480-56862	480-70664	480-83621	480-101880	480-114997	480-125448
				Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
				08/11/05	03/24/06	12/27/07	11/05/08	09/08/09	06/14/10	03/03/11	12/22/11	08/07/12	05/16/13	03/28/14	11/04/14	07/09/15	06/17/16	03/23/17	10/05/17
CAS NO.	COMPOUND		UNITS:																
VOLATILES																			
67-64-1	Acetone	50 (G)	(µg/L)	5 J B	2 J B	ND	ND	2.8 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
71-43-2	Benzene	1	(µg/L)	25	ND	ND	ND	1.8	0.89 J	ND	ND	41	ND	ND	ND	ND	ND	ND	ND
75-15-0	Carbon Disulfide	60 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	0.56 J B	ND	ND	ND	ND	ND	ND	ND	ND
156-58-2	cis-1,2-Dichloroethene	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
100-41-4	Ethylbenzene	5	(µg/L)	12	ND	ND	ND	ND	ND	ND	ND	15	ND	ND	ND	ND	ND	ND	ND
75-09-2	Methylene chloride	5	(µg/L)	1 J B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
100-42-5	Styrene	5	(µg/L)	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
108-88-3	Toluene	5	(µg/L)	15	ND	ND	ND	ND	ND	ND	ND	1.5	ND	ND	ND	ND	ND	ND	ND
1330-20-7	Xylenes, Total	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	24	ND	ND	ND	ND	ND	ND	ND
Total VOCs				68	2	ND	ND	4.6	0.89	ND	0.56	81.5	ND	ND	4.4	ND	ND	ND	ND
SEMIVOLATILES																			
120-12-7	Anthracene	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	0.64 J	ND	ND	ND	ND	ND	ND	ND	ND
208-96-8	Acenaphthylene	NS	(µg/L)	5 J	ND	ND	ND	ND	ND	ND	ND	0.77 J	ND	ND	ND	ND	ND	ND	ND
85-45-2	Benzo(a)anthracene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	0.72 J	ND	ND	ND	ND	ND	ND	ND	ND
95-32-5	Benzo(b)fluoranthene	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	0.48 J	ND	ND	ND	ND	ND	ND	ND	ND
205-99-2	Benzo(a,h)perylene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	0.54 J	ND	ND	ND	ND	ND	ND	ND	ND
191-24-2	Benzo(a,h)perylene	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	0.57 J	ND	ND	ND	ND	ND	ND	ND	ND
101-85-3	4-Bromophenyl phenyl ether	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	0.63 J	ND	ND	ND	ND	ND	ND	ND	ND
117-81-7	Bis(2-ethylhexyl)phthalate	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	3.2 J	ND	ND	ND	3.8 J	ND	ND	ND	ND
85-68-7	Butyl benzyl phthalate	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	3.4 J	ND	ND	0.52 J B	1.2 J B	ND	ND	ND	ND
86-74-8	Carbazole	NS	(µg/L)	2 J	ND	ND	ND	ND	ND	ND	0.34 J	ND	ND	ND	ND	ND	ND	ND	ND *
218-01-9	Chrysene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	0.62 J	ND	ND	ND	ND	ND	ND	ND	ND
53-70-3	Dibenz(a,h)anthracene	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	0.53 J	ND	ND	ND	ND	ND	ND	ND	ND
84-66-2	Diethyl phthalate	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.26 J	ND	ND	ND	ND	0.26 J
81-74-2	Di-n-butyl phthalate	50	(µg/L)	ND	ND	ND	0.3 J	ND	ND	0.34 J	0.83 J	ND	0.41 J	ND	0.37 J	ND	ND	0.31 J	0.39 J
117-84-0	Di-n-octyl-phthalate	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	3.0 J	ND	ND	ND	ND	ND	ND	ND	ND
95-50-1	1,2-Dichlorobenzene	3	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
541-73-1	1,3-Dichlorobenzene	3	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
106-46-7	1,4-Dichlorobenzene	3	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
206-24-0	Fluoranthene	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	0.69 J	ND	ND	ND	ND	ND	ND	ND	ND
193-39-5	Idenol(1,2,3-cd)pyrene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	0.55 J	ND	ND	ND	ND	ND	ND	ND	ND
91-57-5	2-Methylnaphthalene	NS	(µg/L)	8 J	ND	ND	ND	ND	ND	ND	1.7 J	ND	ND	ND	ND	ND	ND	ND	ND
100-02-7	4-Nitrophenol	1	(µg/L)	3 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
91-20-3	Naphthalene	10 (G)	(µg/L)	430 E	ND	ND	ND	ND	ND	ND	ND	8.8	ND	ND	15	ND	1.3 J	ND	ND
85-01-8	Phenanthrene	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	0.89 J	ND	ND	ND	ND	ND	ND	ND	ND
108-85-2	Phenol	1	(µg/L)	3 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
129-00-0	Pyrene	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	0.76 J	ND	ND	ND	ND	ND	ND	ND	ND
120-82-1	1,2,4-Trichlorobenzene	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total SVOCs				451	ND	ND	0.3	ND	ND	0.34	18.39	11.27	0.41	0.78	20.37	ND	1.3	0.31	0.65
PCBs																			
None detected			(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
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.
NS = No Standard
(G) = Guidance Value
ND = Concentration was 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.
E = Concentration exceeds method limit.



Appendix B-3 – Historically Detected Compounds (Sumps, 1997-2017)



Appendix B-3

Sump Historically Detected Compounds

Cherry Farm Sump Samples Historically Detected Compounds		NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample ID: Source: SDG: Matrix: Sampled:	S-1	S-1	S-1	S-1	S-1	S-1	S-1NAPL	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1
				G5093	H0918	H7400	J8341	M0193	N4877	A9751104	Q3849	R7180	S7322	T7106	V4632	Z7813	A7429	B4467	E1135
				OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OB	OB	OB	OB	OB
				5116	6847	7810	9571	1489	3856	11090	5490	7645	9270	764	2494	4203	5716	6968	6968
				Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
				11/20/1997	2/18/1998	5/28/1998	10/21/1998	4/20/1999	11/9/1999	11/9/1999	4/26/2000	12/14/2000	6/20/2001	12/13/2001	6/19/2002	12/18/2002	6/24/2003	12/18/2003	6/8/2004
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	ND	6 J, B	6 J	ND	10 J, B
71-43-2	Benzene	1	(µg/L)	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND
78-93-3	2-Butanone	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND		ND	ND	3 J	ND	ND	2 J	ND	ND	2 J
75-15-0	Carbon disulfide	60 (G)	(µg/L)	ND	ND	ND	ND	ND	7 J		ND	ND	ND	ND	15	ND	ND	ND	ND
108-90-7	Chlorobenzene	5	(µg/L)	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	0.8 J	ND	ND	0.6 J
75-00-3	Chloroethane	5	(µg/L)	ND	ND	ND	ND	ND	ND		ND	ND	1 J	ND	ND	ND	ND	ND	ND
74-87-3	Chloromethane	5	(µg/L)	ND	ND	ND	ND	ND	ND		ND	ND	2 J	ND	ND	ND	ND	ND	ND
75-34-3	1,1-Dichloroethane	5	(µg/L)	2 J	2 J	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND
156-59-2	cis-1,2-Dichloroethene	5	(µg/L)	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND
540-59-0	1,2-Dichloroethene (total)	NS	(µg/L)	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND
108-10-1	4-Methyl-2-pentanone	NS	(µg/L)	3 J	2 J	ND	2 J	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	0.6 J
75-09-2	Methylene chloride	5	(µg/L)	ND	ND	ND	2 J	ND	ND		ND	ND	1 J	0.6 J, B	2 J	0.7 J, B	0.5 J	ND	1 J, B
127-18-4	Tetrachloroethene	5	(µg/L)	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND
108-88-3	Toluene	5	(µg/L)	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND
79-01-6	Trichloroethene	5	(µg/L)	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND
75-01-4	Vinyl chloride	2	(µg/L)	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND
1330-20-7	Xylene (total)	5	(µg/L)	2 J	2 J	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND
Total VOCs				14	10	9	14	20	7	NA	7	5	19	4.6	17	9.5	6.5	ND	14.2
SEMIVOLATILES																			
83-32-9	Acenaphthene	20 (G)	(µg/L)	11	38	3 J	370 D	180 D	55 J, D	130,000 J	77 J, D	12 J, D	ND	ND	ND	ND	ND	10 J, D	ND
208-96-8	Acenaphthylene	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
120-12-7	Anthracene	50 (G)	(µg/L)	14	39	2 J	300 D	110 D	23 J, D	83,000 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
56-55-3	Benzo[a]anthracene	.002 (G)	(µg/L)	17	94 E	2 J	420 D	310 D	78 J, D	160,000 J	170 J, D	33 J, D	52 J, D	29 J, D	29 J, D	ND	90 J, D	56 D	13
50-32-8	Benzo[a]pyrene	NS	(µg/L)	12	57	2 J	230 D	150 D	42 J, D	730,000 J	88 J, D	21 J, D	30 J, D	19 J, D	26 J, D	ND	72 J, D	53 D	10 J
205-99-2	Benzo[b]fluoranthene	0.002 (G)	(µg/L)	16	75	2 J	350 D	210 D	76 J, D	180,000 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
191-24-2	Benzo[g,h,i]perylene	NS	(µg/L)	6 J	34	ND	130 D	220 D	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4 J
207-08-9	Benzo[k]fluoranthene	0.002 (G)	(µg/L)	6 J	29	ND	160 D	77 D	29 J, D	ND	ND	ND	25 J, D	ND	14 J, D	ND	58 J, D	31 J, D	10 J
117-81-7	bis(2-Ethylhexyl)phthalate	5	(µg/L)	21	120 E	4 J	530 D	190 D	46 J, D	82,000 J	140 J, D	11 J, D	55 J, D	29 J, D, B	32 J, D	ND	100 J, D	77 D	13 J
86-74-8	Carbazole	NS	(µg/L)	ND	ND	2 J	ND	ND	ND	ND	ND	30 J, D	ND	ND	ND	ND	ND	ND	ND
218-01-9	Chrysene	0.002 (G)	(µg/L)	19	90 E	2 J	430 D	380 D	92 J, D	160,000 J	160 J, D	34 J, D	43 J, D	19 J, D	20 J, D	ND	83 J, D	46 J, D	12 J
84-74-2	Di-n-butyl phthalate	50	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
117-84-0	Di-n-octyl phthalate	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
53-70-3	Dibenz[a,h]anthracene	NS	(µg/L)	ND	10	ND	40 J, D	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2 J
132-64-9	Dibenzofuran	NS	(µg/L)	5 J	31	2 J	250 D	73 D	24 J, D	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
541-79-1	1,3-Dichlorobenzene	3	(µg/L)	ND	3 J	1 J	16 J, D	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2 J
106-46-7	1,4-Dichlorobenzene	3	(µg/L)	2 J	14	6 J	77 J, D	13	ND	ND	ND	ND	ND	ND	ND	ND	ND	7 J, D	3 J
120-83-2	2,4-Dichlorophenol	1	(µg/L)	1 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
84-66-2	Diethyl phthalate	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
105-67-9	2,4-Dimethylphenol	1	(µg/L)	260 E	290 E	78	84 J, D	33	12 J, D	ND	ND	12 J, D	ND	ND	26 J, D	ND	ND	14 J, D	7 J
131-11-3	Dimethyl phthalate	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	570 J, D	ND	ND	ND	ND	ND	ND	ND	ND
206-44-0	Fluoranthene	50 (G)	(µg/L)	82 E	330 E	6 J	1,800 D, E	710 D, E	160 J, D	600,000 J	ND	ND	89 J, D	51 J, D	43 J, D	98 J	230 J, D	120 D	27
86-73-7	Fluorene	50 (G)	(µg/L)	8 J	30	2 J	390 D	99 D	39 J, D	1,200,000 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
193-39-5	Indeno[1,2,3-cd]pyrene	0.002 (G)	(µg/L)	6 J	30	ND	120 D	190 D	21 J, D	ND	ND	ND	ND	ND	10 J, D	ND	ND	ND	4 J
91-57-6	2-Methylnaphthalene	NS	(µg/L)	2 J	5 J	1 J	130 D	17 J, D	79 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
95-48-7	2-Methylphenol	1	(µg/L)	51	33	6 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
106-44-5	4-Methylphenol	1	(µg/L)	86 E	37	37	ND	ND	ND	ND	ND	ND	ND	ND	13 J, D	ND	ND	ND	ND
91-20-3	Naphthalene	10 (G)	(µg/L)	3 J	5 J	2 J	65 J, D	6 J, D	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
100-02-7	4-Nitrophenol	1	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
87-96-5	Pentachlorophenol	5	(µg/L)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
85-01-8	Phenanthrene	50 (G)	(µg/L)	24	140 E	4 J	1,400 E, D	210 D	54 J, D	200,000 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
108-95-2	Phenol	1	(µg/L)	68	40	17	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2 J
129-00-0	Pyrene	50 (G)	(µg/L)	45	290 E	11	1,200 E, D	1,400 E, D	440 D	570,000 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
120-82-1	1,2,4-Trichlorobenzene	5	(µg/L)	12	52	4 J	31 J, D	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
95-95-4	2,4,5-Trichlorophenol	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
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

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.

NA = Not analyzed/applicable

NS = No Standard

(G) = Guidance Value

ND = 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.

D12 = Dilution required due to sample viscosity

D08 = Dilution required due to high concentration of target analyte(s)

D04 = Dilution required due to high levels of non-target compounds

QFL = Florisil clean-up (EPA 3620) performed on extract.

QSU = Sulfur (EPA 3660) clean-up performed on extract.

Z3 = Sample required dilution due to the nature of the sample matrix.

B = Compound was found in the blank and sample.

E = Concentration exceeds method limit.

- = Aroclor-1254 only reporting since 2011.



Appendix B-3

Sump Historically Detected Compounds

Cherry Farm Sump Samples		NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample ID: Source: SDG: Matrix: Sampled:	S-1	S-1	S-1	S-1	S-1	S-1	S-1NAPL	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1			
Historically Detected Compounds				G5093	H0918	H7400	J8341	M0193	N4877	A9751104	Q3849	R7180	S7322	T7106	V4632	Z7813	A7429	B4467	E1135			
				OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OB	OB	OB	OB	OB			
				5116	6847	7810	9571	1489	3856	11090	5490	7645	9270	764	2494	4203	5716	6968	6968			
				Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water		
				11/20/1997	2/18/1998	5/28/1998	10/21/1998	4/20/1999	11/9/1999	11/9/1999	4/26/2000	12/14/2000	6/20/2001	12/13/2001	6/19/2002	12/18/2002	6/24/2003	12/18/2003	6/8/2004			
CAS NO.	COMPOUND		UNITS:																			
PESTICIDES																						
309-00-2	Aldrin	NS	(µg/L)	ND	ND	0.008 J, P	ND	ND	0.038 J, P		ND	ND	ND	ND	ND	ND	ND	ND	ND			
319-84-6	alpha-BHC	0.01	(µg/L)	ND	ND	0.011 J, P	ND	ND	ND		0.12 J, P	0.018 J, P	ND	0.11 J, P	ND	0.26	0.072 J, P	ND	ND			
319-85-7	beta-BHC	0.04	(µg/L)	ND	ND	ND	ND	ND	ND			ND	ND	ND	ND	ND	ND	ND	ND			
319-86-8	delta-BHC	0.04	(µg/L)	ND	0.021 J, P	ND	ND	0.0048 J, P	0.0046 J, P		0.0026 J, P	ND	0.0045 J, P	ND	ND	ND	ND	ND	ND			
58-89-9	gamma-BHC (Lindane)	0.05	(µg/L)	ND	ND	ND	ND	ND	ND		ND	ND	ND	0.28 P	1.3 P	ND	ND	0.092 J, P	0.2 J, P			
5103-71-9	alpha-Chlordane	0.05	(µg/L)	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	0.096 J, P	ND	ND			
5103-74-2	gamma-Chlordane	0.05	(µg/L)	ND	ND	0.02 J, P	ND	ND	0.0082 J, P		ND	ND	ND	1.2 P	ND	0.53 P	ND	ND	ND			
72-54-8	4,4'-DDD	0.3	(µg/L)	0.026 J, P	0.26 J, P	0.058 J, P	0.033 J, P	0.051 J, P	ND		0.029 J, P	ND	0.068 J, P	ND	ND	ND	2.3 P	0.053 J, P	ND			
72-55-9	4,4'-DDE	0.2	(µg/L)	ND	1.4 P	0.016 J, P	0.51 P	1.3 P	0.24 J, P		0.79	0.58 P	2.1 B, P	2.3	0.3 E	0.69 P	1 P	0.61 P	1.1			
50-29-3	4,4'-DDT	0.2	(µg/L)	ND	ND	ND	ND	ND	ND		0.028 J, P	0.17 J, P	0.83 P	ND	ND	ND	ND	ND	ND			
60-57-1	Dieldrin	0.004	(µg/L)	ND	ND	ND	ND	ND	0.25 J, P		ND	ND	ND	1.9 B, P	6.2 P	0.88	1 P	0.42 J, P	0.85 B, P			
959-98-8	Endosulfan I	NS	(µg/L)	ND	ND	ND	ND	0.14 J, P	ND		0.13 J, P	0.1 J, P	0.62 P	0.33 P	1.1 P	0.095 J, P	0.84 P	ND	0.24 J, P			
33213-65-9	Endosulfan II	NS	(µg/L)	1.4	17 E	0.081 J, P	3.1	2.1	ND		ND	ND	ND	ND	ND	0.082 J, P	ND	0.046 J, P	0.05 J, P			
1031-07-8	Endosulfan sulfate	NS	(µg/L)	ND	ND	ND	0.086 J, P, B	ND	0.44 J		ND	0.13 J, P	0.17 J, P	ND	ND	ND	ND	ND	ND			
72-20-8	Endrin	NS	(µg/L)	ND	ND	0.023 J, P	ND	ND	ND		0.13 J, P	1 P	0.31 J, P, B	0.68 P	2.5 P	ND	ND	2.6	0.67 P			
7421-93-4	Endrin aldehyde	5	(µg/L)	ND	1.8 P	ND	0.045 J, P	0.3 J, P	0.047 J, P		0.025 J, P	0.067 J, P	0.82 P	0.71 B, P	2.7 P	0.26 J, P	0.38 J, P, B	ND	0.86 P			
53494-70-5	Endrin ketone	5	(µg/L)	ND	ND	ND	ND	ND	ND		ND	ND	ND	0.069 J, P	8.7 P	ND	0.46 J, P	0.87 P	ND			
76-44-8	Heptachlor	0.04	(µg/L)	ND	0.39 P	ND	ND	ND	ND		ND	ND	ND	ND	5.3 E, P	ND	0.26 P	0.41 P	0.78 P			
1024-57-3	Heptachlor epoxide	0.03	(µg/L)	ND	ND	0.0057 J, P	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND			
72-43-5	Methoxychlor	35	(µg/L)	0.079 J, P	ND	0.097 J, P	ND	0.83 J, P	0.092 J, P		ND	ND	ND	0.35 J, P	2.1 J, P	ND	1.3 J, P	ND	ND			
Total Pesticides				1.5	20.9	0.3	3.8	4.7	1.1	NA	1.3	2.1	4.9	7.9	39.2	2.8	7.7	5.1	4.8			
PCBs																						
53469-21-9	Aroclor-1242	Sum of all PCBs < 0.09	(µg/L)	ND	ND	0.88 J, P	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
12672-29-6	Aroclor-1248		(µg/L)	7.4	100 P	ND	39 P	74 P	19 P	330,000	56	48	150 P	110	400 E	54 P	62 P	33 P	55			
11097-69-1	Aroclor-1254		(µg/L)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
11096-82-5	Aroclor-1260		(µg/L)	43	330 E	2.4 P	89 E	72 P	9.2 P	120,000	26	17 P	88 E, P	53	200 E	22	3 P8	16	22 J			
Total PCBs				50.4	430	3.28	128	146	28.2	450,000	82	65	238	163	600	76	100	49	77			
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				
7440-36-0	Antimony	3	(µg/L)	ND	ND	ND	4.9 B	2.9 B	ND		ND	1.9 B	ND	ND	ND	ND	3.7 B	9.2 B				
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				
7440-39-3	Barium	1,000	(µg/L)	187 B	196 B	151 B	463	332	490		278	468	313	1,080	179 B	292	441	519				
7440-41-7	Beryllium	3 (G)	(µg/L)	ND	0.1 B	ND	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				
7440-43-9	Cadmium	5	(µg/L)	ND	ND	ND	1.8 B	0.55 B	ND		ND	ND	ND	0.37 B	ND	ND	0.3 B	4.3 B				
7440-70-2	Calcium	NS	(µg/L)	46,300	50,900	45,700	233,000	152,000	254,000		105,000	160,000	111,000	470,000	75,800	87,000	308,000	297,000				
7440-47-8	Chromium	50	(µg/L)	1.2 B	5.4 B	ND	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				
7440-48-4	Cobalt	NS	(µg/L)	ND	ND	ND	5.7 B	2.2 B	ND		1.2 B	4.9 B	1.7 B	25.3 B	ND	ND	2.3 B	17.1 B				
7440-50-8	Copper	200	(µg/L)	7.4 B	5.3 B	4 B	115	79.1	3 B		6.5 B	23.4 B	7.7 B	11.5 B	2.3 B	21.1 B	66.4	318				
7439-98-6	Iron	300	(µg/L)	1,500	4,440	3,060	21,800	7,920	19,000		9,790	23,400	15,400	105,000	6,050	16,600	36,200	73,300				
7440-02-0	Lead	25	(µg/L)	2.6 B	8.2	ND	47.6	19.4	2.4 B		20.5	28.3	15.2	23.1	2.6 B, N	19.9	33.2	148				
7439-95-4	Magnesium	35,000 (G)	(µg/L)	9,410	10,100	7,730	16,700	12,900	13,600		15,600	14,800	13,900	33,900	14,100	14,800	16,500	23,800				
7439-96-5	Manganese	300	(µg/L)	1,210	1,330	1,080	3,150	2,290	3,480		1,510	2,580	1,830	6,640	824	1,660	2,370	2,260				
7439-97-6	Mercury	0.7	(µg/L)	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND				
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				
7440-09-7	Potassium	NS	(µg/L)	16,700	14,500	20,300	24,400	23,700	23,000		22,500	23,900 E	23,900	25,300	24,900	19,500	24,400	24,000				
7782-49-2	Selenium	10	(µg/L)	ND	ND	ND	2.9 B	ND	ND		ND	ND	ND	3.4 B	ND	ND	ND	9.5				
7440-22-4	Silver	50	(µg/L)	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND				
7440-23-5	Sodium	20,000	(µg/L)	116,000	110,000	93,300	93,000	138,000	145,000 E		121,000	118,000	125,000	124,000	99,700 E	103,000	108,000	91,800				
7440-28-0	Thallium	0.5 (G)	(µg/L)	ND	4.1 B	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND				
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	ND	10.3 B	43.4 B	76.3				
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				
57-12-5	Cyanide	200	(µg/L)	14.9	ND	ND	ND	ND	ND		ND	ND	ND	12.6	ND	ND	5.5 B	ND				
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			

Notes:

NYSDEC June 1998 Ambient Water Quality Standards and Guidance Values for Groundwater Class GA.

Bold and shaded values exceed the NYSDEC Class GA groundwater standard/guidance value.

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(G) = Guidance Value

ND = 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.

D12 = Dilution required due to sample viscosity

D08 = Dilution required due to high concentration of target analyte(s)

D04 = Dilution required due to high levels of non-target compounds

QFL = Florisil clean-up (EPA 3620) performed on extract.

QSU = Sulfur (EPA 3660) clean-up performed on extract.

Z3 = Sample required dilution due to the nature of the sample matrix.

B = Compound was found in the blank and sample.

E = Concentration exceeds method limit.

- = Aroclor-1254 only reporting since 2011.



Appendix B-3

Sump Historically Detected Compounds

Cherry Farm Sump Samples		NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample ID: Source: SDG: Matrix: Sampled:	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	
Historically Detected Compounds				0508015-006A	0603095-002A	A7E985011	A8E30606	RSI0312-01	RTF0860-02	480-2227-1	480-14339-1	480-23637-1	480-38452-3	480-56862-1	480-70664-3	480-83621-4	480-101674-4	480-114997-5	480-125448-9
				OB	LSL-BL	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA
				200508	6030950	A07-E985	A08-E150	RSI0296	RTF0798	480-2185	480-14339	480-23637	480-38452	480-38452	480-38452	480-83621	480-101674	480-114997	480-125448
				Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
				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	5/16/2013	3/28/2014	11/4/2014	7/9/2015	6/15/2016	3/23/2017	10/6/2017
CAS NO.	COMPOUND			UNITS:															
VOLATILES																			
67-64-1	Acetone	50 (G)	(µg/L)	5 J, B	5 J, B	ND	ND	5.5	ND	ND	ND	4.1 J	ND	ND	3.0 J	ND	ND	ND	
71-43-2	Benzene	1	(µg/L)	ND	ND	ND	ND	ND	ND	ND	0.44 J	0.41 J	ND	ND	ND	ND	ND	ND	
78-93-3	2-Butanone	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
75-15-0	Carbon disulfide	60 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
108-90-7	Chlorobenzene	5	(µg/L)	0.7 J	0.8 J	3 J	ND	ND	ND	6.0	10	ND	ND	ND	ND	ND	ND	ND	
75-00-3	Chloroethane	5	(µg/L)	ND	ND	ND	ND	ND	ND	1.1	ND	0.69 J	ND	ND	0.66 J	ND	ND	ND	
74-87-3	Chloromethane	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
75-34-3	1,1-Dichloroethane	5	(µg/L)	ND	ND	ND	ND	0.50 J	ND	0.44 J	ND	ND	ND	ND	ND	ND	ND	2.2	
156-59-2	cis-1,2-Dichloroethene	5	(µg/L)	ND	2 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	
540-59-0	1,2-Dichloroethene (total)	NS	(µg/L)	ND	ND	ND	ND	4.8	4.0 DO3, J	ND	ND	ND	ND	ND	ND	3.4	ND	1.7 J	
108-10-1	4-Methyl-2-pentanone	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
75-09-2	Methylene chloride	5	(µg/L)	0.9 J, B	1 J, B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
127-18-4	Tetrachloroethene	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	0.49 J	ND	ND	ND	ND	ND	ND	
108-88-3	Toluene	5	(µg/L)	0.7 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
79-01-6	Trichloroethene	5	(µg/L)	ND	ND	ND	ND	0.66 J	ND	ND	ND	ND	ND	ND	ND	0.46 J	ND	ND	
75-01-4	Vinyl chloride	2	(µg/L)	ND	ND	ND	ND	0.59 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1330-20-7	Xylene (total)	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Total VOCs				7.3	8.8	3	ND	12.05	4.0	7.54	10.44	5.69	ND	ND	3.66	ND	3.86	ND	
SEMIVOLATILES																			
83-32-9	Acenaphthene	20 (G)	(µg/L)	2 J	ND	1 J	0.8 J	ND	ND	2.5 J	2.0 J	ND	ND	ND	1.0 J	ND	ND	0.73 J	
208-96-8	Acenaphthylene	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.46 J	
120-12-7	Anthracene	50 (G)	(µg/L)	ND	ND	0.8 J	0.9 J	ND	ND	ND	ND	0.64 J	ND	ND	0.69 J	ND	ND	ND	
56-55-3	Benzo[a]anthracene	0.002 (G)	(µg/L)	12	61 J	0.4 J	ND	32 J D12	ND	ND	ND	0.74 J	ND	ND	ND	ND	ND	ND	
50-32-8	Benzo[a]pyrene	NS	(µg/L)	10	62 J	ND	0.3 J	37 J D12	ND	ND	ND	0.77 J	ND	ND	0.48 J	ND	ND	ND	
132-64-9	Benzo[b]fluoranthene	0.002 (G)	(µg/L)	20	100 J	ND	0.3 J	47 J D12	ND	ND	ND	1.1 J	ND	ND	0.79 J	4.2 J	ND	ND	
181-24-2	Benzo[g,h,i]perylene	NS	(µg/L)	4 J	33 J	ND	0.2 J B	ND	ND	ND	ND	0.65 J	ND	ND	ND	ND	ND	ND	
207-08-9	Benzo[k]fluoranthene	0.002 (G)	(µg/L)	5 J	38 J	ND	ND	26 J D12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
117-81-7	bis(2-Ethylhexyl)phthalate	5	(µg/L)	8 J	76 J	ND	ND	110 J D12	ND	2.9 J	ND	6.3	ND	ND	3.7 J	ND	ND	ND	
86-74-8	Carbazole	NS	(µg/L)	ND	ND	2 J	0.5 J	ND	1.1 J	2.3 J	3.6 J	0.96 J	ND	ND	0.45 J	ND	ND	ND *	
218-01-9	Chrysene	0.002 (G)	(µg/L)	10	54 J	ND	ND	27 J D12	ND	ND	ND	0.73 J	ND	ND	ND	ND	ND	ND	
84-74-2	Di-n-butyl phthalate	50	(µg/L)	ND	ND	ND	0.7 J B	ND	ND	1.3 J	ND	0.80 J	0.98 J	0.41 J	0.48 J	ND	ND	0.34 J	
117-84-0	Di-n-octyl phthalate	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.5 J	ND	ND	ND	
53-70-3	Dibenz[a,h]anthracene	NS	(µg/L)	1 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
132-64-9	Dibenzofuran	NS	(µg/L)	ND	ND	0.7 J	ND	ND	ND	0.92 J	1.0 J	ND	ND	ND	ND	ND	ND	ND	
141-73-1	1,3-Dichlorobenzene	3	(µg/L)	ND	ND	1 J B	ND	ND	ND	0.92 J	0.89 J	ND	ND	ND	ND	ND	ND	ND	
106-46-7	1,4-Dichlorobenzene	3	(µg/L)	1 J	ND	2 J	0.3 J B	ND	0.53 J	1.5 J	1.9 J	ND	ND	ND	ND	ND	ND	ND	
120-83-2	2,4-Dichlorophenol	1	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
84-66-2	Diethyl phthalate	50 (G)	(µg/L)	ND	ND	ND	1 J B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
105-67-9	2,4-Dimethylphenol	1	(µg/L)	22	ND	8	ND	ND	8.2	9.4	4.7 J	65	1.3 J	ND	18	ND	7.0	ND	
131-11-3	Dimethyl phthalate	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	8.3	ND	0.45 J	ND	ND	ND	ND	ND	ND	
206-44-0	Fluoranthene	50 (G)	(µg/L)	21	140 J	0.4 J	0.8 J B	45 J D12	ND	ND	ND	1.4 J	ND	ND	0.55 J	ND	0.42 J	ND	
86-73-7	Fluorene	50 (G)	(µg/L)	ND	ND	1 J	0.4 J	ND	ND	1.6 J	1.2 J	0.77 J	ND	ND	0.43 J	ND	ND	0.59 J	
193-39-5	Indeno[1,2,3-cd]pyrene	0.002 (G)	(µg/L)	4 J	32 J	ND	0.2 J B	ND	ND	ND	ND	0.54 J	ND	ND	0.47 J	ND	ND	ND	
91-57-8	2-Methylnaphthalene	NS	(µg/L)	ND	ND	0.6 J	ND	ND	ND	ND	ND	0.72 J	ND	ND	ND	ND	ND	0.72 J	
95-48-7	2-Methylphenol	1	(µg/L)	ND	ND	0.2 J	ND	ND	0.79 J	0.54 J	ND	ND	ND	ND	0.70 J	ND	0.44 J	ND	
106-44-5	4-Methylphenol	1	(µg/L)	2 J	ND	ND	ND	ND	ND	ND	ND	ND	0.47 J	ND	1.0 J	ND	ND	43	
91-20-3	Naphthalene	10 (G)	(µg/L)	ND	ND	2 J	0.3 J, B	ND	ND	1.1 J	1.8 J	ND	ND	ND	ND	ND	ND	6.4	
100-02-7	4-Nitrophenol	1	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
87-86-5	Pentachlorophenol	5	(µg/L)	NA	NA	9 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
85-01-8	Phenanthrene	50 (G)	(µg/L)	ND	ND	1 J	ND	ND	ND	ND	ND	0.75 J	ND	ND	ND	ND	ND	0.61 J	
108-95-2	Phenol	1	(µg/L)	2 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.81 J	ND	ND	ND	
129-00-0	Pyrene	50 (G)	(µg/L)	30	190 J	0.8 J	0.6 J	90 J D12	ND	ND	0.48 J	1.9 J	ND	ND	0.54 J	4.7 J	0.39 J	ND	
120-82-1	1,2,4-Trichlorobenzene	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
95-95-4	2,4,5-Trichlorophenol	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.4 J	
Total SVOCs				154.0	786.0	30.9	7.3	414	10.62	24.88	25.87	83.77	3.20	0.41	32.59	8.9	8.25	0.34	

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Appendix B-3

Sump Historically Detected Compounds

Cherry Farm Sump Samples		NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample ID: Source: SDG: Matrix: Sampled:	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1		
Historically Detected Compounds				S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1			
				0508015-006A	0603095-002A	A7E985011	A8E30606	RSI0312-01	RTF0860-02	480-2227-1	480-14339-1	480-23637-1	480-38452-3	480-56862-1	480-70664-3	480-83621-4	480-101674-4	480-114997-5	480-125448-9		
				OB	LSL-BL	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA		
				200508	6030950	A07-E985	A08-E150	RSI0296	RTF0798	480-2185	480-14339	480-23637	480-38452	480-38452	480-38452	480-83621	480-101674	480-114997	480-125448		
				Water	Water	Water	Water	Water	Water	Water	Water	Water	water	water	WATER	WATER	WATER	WATER	WATER		
				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	5/16/2013	3/28/2014	11/4/2014	7/9/2015	6/15/2016	3/23/2017	10/6/2017		
CAS NO.	COMPOUND		UNITS:																		
PESTICIDES																					
309-00-2	Aldrin	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
319-84-6	alpha-BHC	0.01	(µg/L)	0.11 J, P	ND	ND	0.042 J	ND	ND	ND	ND	ND	0.019 J	0.018 J	ND	ND	ND	ND	ND		
319-85-7	beta-BHC	0.04	(µg/L)	ND	ND	ND	0.031 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
319-86-8	delta-BHC	0.04	(µg/L)	ND	ND	ND	0.072 B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.012 J	ND		
58-89-9	gamma-BHC (Lindane)	0.05	(µg/L)	0.46 P	0.19 J	0.030 J	0.046 J	3.2 J QFL D04	0.012 QSU, J	ND	ND	ND	ND	0.026 J	ND	ND	ND	ND	ND		
5103-71-9	alpha-Chlordane	0.05	(µg/L)	0.22 J, P	ND	ND	0.027 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
5103-74-2	gamma-Chlordane	0.05	(µg/L)	2 P	ND	0.012 J	ND	ND	0.012 QSU, J	ND	ND	ND	0.030 J	0.015 J	ND	ND	ND	ND	ND		
72-54-8	4,4'-DDD	0.3	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.17 B	ND	ND	ND	ND	ND	ND		
72-55-9	4,4'-DDE	0.2	(µg/L)	4.3	1.4 P	ND	ND	4.8 J QFL D04	0.017 QSU, J	ND	ND	ND	0.023 J	0.027 J	ND	ND	ND	0.020 J	ND		
50-29-3	4,4'-DDT	0.2	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.017 J	ND	ND	ND	ND	ND		
60-57-1	Dieldrin	0.004	(µg/L)	ND	ND	0.023 J	0.13 J	6.7 QFL D04	ND	ND	ND	ND	0.010 J	ND	ND	ND	ND	ND	ND		
959-98-8	Endosulfan I	NS	(µg/L)	0.58 P	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
33213-65-9	Endosulfan II	NS	(µg/L)	ND	ND	ND	0.021 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
1031-07-8	Endosulfan sulfate	NS	(µg/L)	0.32 J, P	0.48 J, P	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
7421-93-4	Endrin	NS	(µg/L)	1.7 P	0.9 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
7421-93-4	Endrin aldehyde	5	(µg/L)	ND	ND	ND	ND	5.9 J QFL D04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
53494-70-5	Endrin ketone	5	(µg/L)	0.23 J, P	0.16 J, P	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
76-44-8	Heptachlor	0.04	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.018 J	0.028 J	ND	ND	ND	ND	ND		
1024-57-3	Heptachlor epoxide	0.03	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.011 J	ND	ND	ND	ND	ND	ND		
72-43-5	Methoxychlor	35	(µg/L)	0.84 J, P	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Total Pesticides				10.8	3.1	0.065	0.369	20.6	0.041	ND	ND	ND	0.281	0.131	ND	ND	ND	0.032	ND		
PCBs																					
53469-21-9	Aroclor-1242	Sum of all PCBs < 0.09	(µg/L)	ND	58 P	0.62	ND	ND	ND	0.26 J	0.42 J	ND	ND	ND	ND	ND	ND	ND	ND		
12672-29-6	Aroclor-1248		(µg/L)	240 P	30	ND	5.4	290 QSU D08 Z3	ND	ND	ND	8.3	ND	ND	0.63	3.2	1.1	ND	0.49 J		
11097-69-1	Aroclor-1254		(µg/L)	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	1.6	ND	ND	ND		
11096-82-5	Aroclor-1260		(µg/L)	130 P	ND	ND	2.6	210 QSU D08 Z3	ND	ND	ND	5.7	ND	ND	ND	1.5	ND	ND	ND		
Total PCBs				370	88	0.62	8.0	500	ND	0.26	0.42	14.0	ND	ND	0.63	6.3	1.1	ND	0.49		
INORGANICS																					
7429-90-5	Aluminum	NS	(µg/L)	4500	11200	89.0 B	ND	357 B	1,180 CF6	ND	ND	ND	630	ND	87 J	ND	130 J	ND	97 J		
7440-36-0	Antimony	3	(µg/L)	ND	4.8 B	ND	ND	7.8 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
7440-38-2	Arsenic	25	(µg/L)	12.6	27.7	ND	5.4 B	11.3	6.8 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
7440-39-3	Barium	1,000	(µg/L)	190 B	238	190	169	69.0	85.2	140	130	160 B	76	38	150	96	51 B	10	44		
7440-41-7	Beryllium	3 (G)	(µg/L)	ND	0.37 B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
7440-43-9	Cadmium	5	(µg/L)	ND	1.1 B	ND	ND	ND	0.4 J	ND	ND	0.46 J	ND	ND	ND	ND	ND	ND	ND		
7440-70-2	Calcium	NS	(µg/L)	61,300	158,000	84,900	67,500	36,000 B	38,100	81,800 B	86,200 B	58,800	52,700	27,700	55,900	58,500	22,500	35,000	74,800		
7440-47-8	Chromium	50	(µg/L)	21.7	139	ND	1.5 B	10.7	31.9 CF6	2.8 J	1.2 J	2.1 J	1.1 J	ND	1.9 J	ND	ND	ND	ND		
7440-48-4	Cobalt	NS	(µg/L)	ND	6.2 B	ND	ND	0.7 J	0.9 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
7440-50-8	Copper	200	(µg/L)	53	189	ND	1.5 B	17.3	85.3 CF6	2.7 J	2.1 J	6.7 J	7.2 J	3.3 J	ND	2.0 J	ND	1.9 J	ND		
7439-89-6	Iron	300	(µg/L)	15,200	29,800	8,990	6,210	1,790	4,040	7,100	7,200	4,800	1,400	460	4,100	1,800	640	97	36 J		
7439-92-1	Lead	25	(µg/L)	35.8	65.1	ND	ND	5.0	21.8 CF6	ND	ND	ND	ND	ND	4.2 J	ND	ND	ND	ND		
7439-95-4	Magnesium	35,000 (G)	(µg/L)	16,500	13,900	19,900	153,000	5,230	10,400	22,300	22,100	12,800	12,600	7,800	13,700	12,900	4,700	14,300	61 J		
7439-96-5	Manganese	300	(µg/L)	971	929 E	917	1,060	222	386	710	640	720	510 B	200	590	480 B	130 B	3.0	ND		
7439-97-6	Mercury	0.7	(µg/L)	ND	0.086 B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
7440-02-0	Nickel	100	(µg/L)	33.7 B	118	ND	2.9 B	5.9 J	20.2 CF6	ND	2.6 J	3.0 J	2.3 J	ND	ND	1.6 J	1.4 J	ND	1.4 J		
7440-09-7	Potassium	NS	(µg/L)	25,300	21,900	19,000	18,800	28,400	20,400	15,900	14,000	17,600	10,800	7,200	20,100	14,500	23,500	2,400	59,400		
7782-49-2	Selenium	10	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
7440-22-4	Silver	50	(µg/L)	ND	1.6 B	1.0 B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
7440-23-5	Sodium	20,000	(µg/L)	88,800	60,400	67,100	78,300	61,400	51,200	49,800	37,700	69,600	31,900	18,000	68,000	37,700	45,600 B	3,200	112,000		
7440-28-0	Vanadium	0.5 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
7440-62-2	Zinc	NS	(µg/L)	12.4 B	42.2 B	ND	ND	5.1	3.9 J	ND	ND	2.2 J	ND	ND	ND	ND	ND	ND	7.0		
7440-66-6	Zinc	2,000 (G)	(µg/L)	126	399	ND	3.9 B	36.9	63.1 CF6	1.8 J	9.9 J	8.2 J	11	4.4 J	3.5 J B	4.6 J	8.3 J B	8.1 J B	2.4 J		
57-12-5	Cyanide	200	(µg/L)	15.3	6.5 B	ND	ND	ND	8.6 J	ND	ND	7.4 J	ND	ND	7.3 J B	ND	12	7.5 J	24		
Total Inorganics				213,072	297,368	201,087	325,054	133,569	126,034	177,757	167,986	165,140	110,008	61,493	162,557	126,114	97,143	55,125	246,786		

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.

NA = Not analyzed/applicable

NS = No Standard

(G) = Guidance Value

ND = 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.

D12 = Dilution required due to sample viscosity

D08 = Dilution required due to high concentration of target analyte(s)

D04 = Dilution required due to high levels of non-target compounds

QFL = Florisil clean-up (EPA 3620) performed on extract.

QSU = Sulfur (EPA 3660) clean-up performed on extract.

Z3 = Sample required dilution due to the nature of the sample matrix.

B = Compound was found in the blank and sample.

E = Concentration exceeds method limit.

- = Aroclor-1254 only reporting since 2011.



Appendix B-3

Sump Historically Detected Compounds

Cherry Farm Sump Samples		NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample ID: Source: SDG: Matrix: Sampled:	S-2	S-2	S-2	S-2	S-2	S-2	S-2	S-2	S-2	S-2	S-2	S-2	S-2	S-2	S-2		
Historically Detected Compounds				G5094	H0919	H7397	J8486	M0296	N5019	Q3854	R7177	S7283	T6915	V4633	Z7442	A7430	B4251	E1137	0508015-007A	
				OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OB	OB	OB	OB	OB	OB	OB
				5116	6847	7810	9595	1516	3880	5490	7645	9259	739	2494	4203	5716	6968	6968	200508	
				Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
				11/20/1997	2/19/1998	5/28/1998	10/22/1998	4/21/1999	11/10/1999	4/27/2000	12/14/2000	6/19/2001	12/12/2001	6/19/2002	12/17/2002	6/24/2003	12/15/2003	6/8/2004	8/2/2005	
CAS NO.	COMPOUND		UNITS:																	
VOLATILES																				
67-64-1	Acetone	50 (G)	(µg/L)	ND	ND	ND	9 J, B	ND	ND	3 J	7 J	ND	ND	3 J, B	ND	ND	2 J, B	13 B		
71-43-2	Benzene	1	(µg/L)	ND	ND	ND	1 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
75-15-0	Carbon disulfide	60 (G)	(µg/L)	ND	ND	ND	ND	38	1 J	ND	ND	ND	ND	ND	ND	ND	ND	ND		
108-90-7	Chlorobenzene	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
75-00-3	Chloroethane	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
75-34-3	1,1-Dichloroethane	5	(µg/L)	2 J	2 J	ND	2 J	2 J	ND	ND	ND	2 J	2 J	1 J	1 J	2 J	2 J	1 J		
156-59-2	cis-1,2-Dichloroethene	5	(µg/L)	ND	ND	ND	1 J	6 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
540-59-0	1,2-Dichloroethene (total)	NS	(µg/L)	6 J	2 J	ND	2 J	6 J	9 J	ND	3 J	ND	ND	ND	ND	ND	ND	ND		
100-41-4	Ethylbenzene	5	(µg/L)	ND	2 J	ND	1 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
108-10-1	4-Methyl-2-pentanone	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1 J	ND		
75-09-2	Methylene chloride	5	(µg/L)	ND	ND	1	ND	ND	ND	ND	ND	1 J, B	ND	0.8 J, B	ND	ND	0.8 J, B	0.9 J, B		
127-18-4	Tetrachloroethene	5	(µg/L)	ND	1 J	ND	1 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
108-88-3	Toluene	5	(µg/L)	1 J	11	ND	3 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.6 J	ND		
79-01-6	Trichloroethene	5	(µg/L)	ND	ND	ND	ND	1 J	2 J	ND	ND	ND	ND	ND	ND	ND	ND	ND		
75-01-4	Vinyl Chloride	2	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
1330-20-7	Xylene (total)	5	(µg/L)	2 J	15	ND	9 J	3 J	ND	ND	ND	ND	3 J	ND	1 J	ND	1 J	ND		
Total VOCs				11	33	1	29	56	12	ND	6	7	3	5	4.8	2	2	7.4		
SEMIVOLATILES																				
83-32-9	Acenaphthene	20 (G)	(µg/L)	ND	ND	ND	2 J	1 J	1 J	ND	ND	ND	ND	ND	ND	ND	ND	ND		
208-96-8	Acenaphthylene	NS	(µg/L)	ND	ND	ND	3 J	1 J	1 J	ND	ND	ND	ND	ND	ND	ND	ND	ND		
120-12-7	Anthracene	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	1 J	ND	ND	ND	ND	ND	ND	ND	ND		
56-55-3	Benzo[a]anthracene	0.02 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3 J		
50-32-8	Benzo[a]pyrene	ND	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3 J		
205-99-2	Benzo[b]fluoranthene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6 J		
191-24-2	Benzo[g,h,i]perylene	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
207-08-9	Benzo[k]fluoranthene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2 J		
117-81-7	bis(2-Ethylhexyl)phthalate	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	2 J	1 J, B	ND	4 J	ND	1 J	ND	10 J		
86-74-8	Carbazole	NS	(µg/L)	ND	ND	ND	3 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
218-01-9	Chrysene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2 J		
84-74-2	Di-n-butyl phthalate	50	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
117-84-0	Di-n-octyl-phthalate	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
132-64-9	Dibenzofuran	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
106-46-7	1,4-Dichlorobenzene	3	(µg/L)	ND	ND	ND	ND	ND	ND	1 J	ND	ND	ND	ND	ND	ND	ND	ND		
84-66-2	Diethyl phthalate	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	20		
105-67-9	2,4-Dimethylphenol	1	(µg/L)	45	38	18	39	6 J	8 J	ND	ND	1 J	16	ND	6 J	2 J	7 J	4 J		
131-11-3	Dimethyl phthalate	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.8 J		
206-44-0	Fluoranthene	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4 J		
86-73-7	Fluorene	50 (G)	(µg/L)	ND	ND	ND	1 J	1 J	1 J	ND	ND	ND	ND	ND	ND	ND	ND	ND		
193-39-5	Indeno[1,2,3-cd]pyrene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1 J		
91-57-6	2-Methylnaphthalene	NS	(µg/L)	ND	2	ND	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
95-48-7	2-Methylphenol	1	(µg/L)	15	13	5 J	9 J	ND	2 J	ND	ND	ND	2 J	ND	1 J	ND	ND	ND		
106-44-5	4-Methylphenol	1	(µg/L)	29	37	15	15	ND	4 J	ND	ND	ND	5 J	ND	4 J	ND	3 J	ND		
91-20-3	Naphthalene	10 (G)	(µg/L)	1 J	5 J	3 J	46	ND	ND	ND	ND	ND	3 J	ND	ND	ND	ND	ND		
99-09-2	3-Nitroaniline	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
100-02-7	4-Nitrophenol	1	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1 J	ND		
85-01-8	Phenanthrene	50 (G)	(µg/L)	ND	ND	ND	1 J	ND	1 J	ND	ND	ND	ND	ND	ND	ND	ND	ND		
108-95-2	Phenol	1	(µg/L)	3	10	2	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
129-00-0	Pyrene	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6 J		
95-95-4	2,4,5-Trichlorophenol	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Total SVOCs				93	105	43	123	9	18	2	ND	2	2	27	4	11	3	64.8		

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.

NA = Not analyzed/applicable

NS = No Standard

(G) = Guidance Value

ND = 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.

ID7 = 4-Methylphenol concentration is the sum of 3- and

4-Methylphenol.

QSU = Sulfur (EPA 3660) clean-up performed on extract.

B = Compound was found in the blank and sample.

E = Concentration exceeds method limit.



Appendix B-3

Sump Historically Detected Compounds

Cherry Farm Sump Samples Historically Detected Compounds		NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample ID: Source: SDG: Matrix: Sampled:	S-2	S-2	S-2	S-2	S-2	S-2	S-2	S-2	S-2	S-2	S-2	S-2	S-2	S-2	S-2			
				G5094	H0919	H7397	J8486	M0296	N5019	Q3854	R7177	S7283	T6915	V4633	Z7442	A7430	B4251	E1137	0508015-007A		
				OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OB	OB	OB	OB	OB	OB		
				5116	6847	7810	9595	1516	3880	5490	7645	9259	739	2494	4203	5716	6968	6968	200508		
				Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water		
				11/20/1997	2/19/1998	5/28/1998	10/22/1998	4/21/1999	11/10/1999	4/27/2000	12/14/2000	6/19/2001	12/12/2001	6/19/2002	12/17/2002	6/24/2003	12/15/2003	6/8/2004	8/2/2005		
CAS NO.	COMPOUND	UNITS:																			
PESTICIDES		NS	(µg/L)	ND	0.0012 J, P	ND	ND	ND	ND	0.036 J, P	0.0013 J, P	ND	ND	0.046 J	ND	ND	ND	ND	ND		
309-00-2	alpha-BHC			0.01	ND	ND	0.0015 J, P	ND	0.00081 J, P, B	ND	0.0062 J, P	ND	ND	ND	ND	ND	ND	0.0032 J, P	ND	ND	ND
319-84-6	delta-BHC	0.04	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0074 J, P	0.0047 J, P	ND	ND	ND	ND	ND		
319-86-8	gamma-BHC (Lindane)	0.05	(µg/L)	ND	0.0074 J, P	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.066 P	0.003 J, P		
58-99-9	alpha-Chlordane	0.05	(µg/L)	ND	ND	ND	ND	0.0016 J, P	0.0017 J, P	0.0022 J, P	ND	ND	ND	ND	ND	ND	ND	ND	ND		
5103-71-9	gamma-Chlordane	0.05	(µg/L)	0.0037 J, P	ND	0.0092 J, P	0.0014 J, P	0.0018 J, P	ND	ND	0.0096 J, P	ND	ND	ND	ND	ND	ND	ND	0.038 J, P		
33213-65-9	4,4'-DDD	0.3	(µg/L)	ND	ND	ND	ND	ND	ND	0.007 J, P	ND	ND	ND	ND	ND	ND	ND	ND	ND		
72-55-9	4,4'-DDE	0.2	(µg/L)	ND	ND	ND	ND	0.0024 J, P	ND	ND	0.00079 J, P	ND	0.0027 J	ND	ND	ND	ND	ND	0.074 J		
50-29-3	4,4'-DDT	0.2	(µg/L)	ND	ND	ND	ND	0.00079 J, P, B	ND	ND	0.0082 J, P	ND	ND	0.0018 J, P	ND	ND	ND	ND	ND		
60-57-1	Dieldrin	0.004	(µg/L)	ND	ND	ND	ND	ND	ND	0.088 J, P	ND	0.018 J, P	0.014 J, P	ND	ND	0.0045 J, P	ND	ND	ND		
959-98-8	Endosulfan I	NS	(µg/L)	ND	ND	ND	ND	ND	0.0033 J, P, B	ND	ND	0.018 J	0.0038 J, P	0.026 J	0.015 J	ND	0.012 J	0.039 J, P	ND		
33213-65-9	Endosulfan II	NS	(µg/L)	ND	0.0065 J	0.0029 J, P	0.0021 J, P	0.0018 J, P	0.0011 J, P	ND	0.004 J, P	ND	ND	ND	ND	ND	ND	ND	ND		
1031-07-8	Endosulfan sulfate	NS	(µg/L)	ND	0.0018 J, P	ND	0.0046 J, P, B	0.0025 J, P, B	0.002 J, P	ND	0.0036 J, P	ND	ND	ND	ND	ND	ND	ND	0.022 J, P		
72-20-8	Endrin	NS	(µg/L)	ND	ND	0.011 J, P	ND	0.0029 J, P	ND	0.041 J, P	0.0041 J, P	0.022 J, P	ND	ND	ND	ND	ND	ND	0.027 J, P		
7421-93-4	Endrin aldehyde	5	(µg/L)	ND	ND	ND	0.0065 J	0.0017 J, P	ND	ND	0.0065 J, P	ND	0.0087 J, P, B	ND	ND	0.0088 J, P, B	ND	ND	ND		
53494-70-5	Endrin ketone	5	(µg/L)	ND	ND	ND	0.00068 J	0.00041 J, P	ND	ND	0.0037 J, P	ND	ND	0.0097 J, P	ND	ND	ND	ND	ND		
76-44-8	Heptachlor	0.04	(µg/L)	ND	ND	ND	ND	ND	0.0025 J, P	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
1024-57-3	Heptachlor epoxide	0.03	(µg/L)	ND	ND	ND	0.00059 J, P	ND	ND	0.0039 J, P, B	0.00055 J, P	ND	0.0038 J, P	ND	ND	0.0063 J, P	ND	ND	ND		
72-43-5	Methoxychlor	35	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.3 P		
Total Pesticides				0.0037	0.0169	0.0436	0.0186	0.0167	0.0106	0.1880	0.0386	0.0400	0.0643	0.0563	0.0260	0.0378	ND	0.0780	1.5030		
PCBs		Sum of all PCBs < 0.09	(µg/L)	ND	ND	0.41 J, P	0.48 J, P	0.47 J, P	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
53469-21-9	Aroclor-1242			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.9	
12672-29-6	Aroclor-1248			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2	
11096-82-5	Aroclor-1260			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2	
Total PCBs				ND	ND	0.41	0.48	0.47	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.9		
INORGANICS		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		
7429-90-5	Aluminum			3	2.6 B	3 B	3.6 B	7 B	4.7 B	3.4 B	ND	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	
7440-36-0	Antimony	25	(µg/L)	6.2 B	ND	7.4 B	6.7 B	3.8 B	3.5 B	ND	4 B	ND	5	5.7 B	5.7 B	4.7 B	3 B	2.4 B	3.5 B		
7440-38-2	Arsenic	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		
7440-41-7	Beryllium	3 (G)	(µg/L)	ND	ND	ND	ND	0.14 B	0.06 B	ND	0.3 B	ND	0.1	0.13 B	ND	ND	ND	ND	ND		
7440-43-9	Cadmium	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.37	ND	ND	ND	ND	ND	ND		
7440-70-2	Calcium	NS	(µg/L)	117,000	93,700	98,600	171,000	156,000	135,000	70,400	147,000	109,000	135,000	144,000	104,000	116,000	88,400	99,000	539,000		
7440-47-8	Chromium	50	(µg/L)	ND	ND	ND	ND	ND	5.6 E	4 B	ND	ND	1.4	ND	ND	ND	ND	ND	6.6 B		
7440-48-4	Cobalt	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.1	ND	ND	ND	ND	ND	ND		
7440-50-8	Copper	200	(µg/L)	2 B	1.7 B	2.1 B	0.96 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	ND	ND	3.8 B		
7439-89-6	Iron	300	(µg/L)	61.4 B	170	99.1 B	47.9 B	46.7 B	134	2,640	491	92.8 B	52.1	960	96.8 B	438	34.6 B	42.8 B	8,190		
7439-92-1	Lead	25	(µg/L)	ND	ND	ND	ND	ND	ND	1.2 B	1.7 B	ND	1.5	ND	ND	ND	ND	0.59 B	ND		
7439-95-4	Magnesium	35,000 (G)	(µg/L)	676 B	4,130 B	671 B	18.9 B	ND	34.7 B	14,300	544 B	469 B	80.7	223 B	135 B	175 B	ND	33.5 B	3320 B		
7439-96-5	Manganese	300	(µg/L)	0.4 B	3.2 B	0.62 B	ND	ND	1.6 B	1,140	69.5	7.2 B	1.8	34.9	3.3 B	27.7	ND	2.6 B	1,510		
7439-97-6	Mercury	0.7	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.15	ND	ND	ND	ND	0.05 B	0.025 B		
7440-02-0	Nickel	100	(µg/L)	2.5 B	ND	1.4 B	1.4 B	2.3 B	6.7 B, E	4 B	2.1 B	1.8 B	3.7	ND	ND	ND	1.2 B	1.8 B	55.4		
7440-09-7	Potassium	NS	(µg/L)	43,700	29,900	33,900	36,200	45,600	43,500	20,800	42,100 E	47,200	49,400	42,200	40,400	44,300	36,900	40,900	49,200		
7782-49-2	Selenium	10	(µg/L)	8.3	ND	ND	ND	ND	3.4 B	ND	10.4	3.4 B	4.5	3.3 B	4.4 B	6.6	4.4 B	ND	ND		
7440-22-4	Silver	50	(µg/L)	0.65 B	ND	ND	ND	ND	ND	ND	ND	ND	1	ND	ND	ND	ND	ND	ND		
7440-23-5	Sodium	20,000	(µg/L)	47,000	31,000	40,200	33,300	43,700	45900 E	114,000	48,100	68,100	64,100	63,200 E	50,900	64,400	50,100	63,400	68,500		
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		
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	ND	3 B	88.7		
57-12-5	Cyanide	200	(µg/L)	48.3	ND	12.9	80	52.3	27.1	ND	39.7	50.3	40.5	16.9	39.4	49	50	46.9	34.6		
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		

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.

NA = Not analyzed/applicable

NS = No Standard

(G) = Guidance Value

ND = 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.

ID7 = 4-Methylphenol concentration is the sum of 3- and 4-Methylphenol.

QSU = Sulfur (EPA 3660) clean-up performed on extract.

B = Compound was found in the blank and sample.

E = Concentration exceeds method limit.



Appendix B-3

Sump Historically Detected Compounds

Cherry Farm Sump Samples Historically Detected Compounds		NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample ID: Source: SDG: Matrix: Sampled:	S-2 0603095-003A LSL-BL 6030950 Water 3/21/2006	S-2 A7E985012 TA A07-E985 Water 12/27/2007	S-2 A8E30606 TA A08-E150 Water 11/10/2008	S-2 RSI0312-02 TA RSI0296 Water 9/9/2009	S-2 RTF0860-03 TA RTF0798 Water 6/11/2010	S-2 480-2227-2 TA 480-2185 Water 3/4/2011	S-2 480-14339-2 TA 480-14339 Water 12/21/2011	S-2 480-23637-2 TA 480-23637 Water 8/8/2012	S-2 480-38452-4 TA 480-38452 Water 5/16/2013	S-2 480-56862-2 TA 480-38452 WATER 3/28/2014	S-2 480-70664-4 TA 480-38452 WATER 11/4/2014	S-2 480-83621-5 TA 480-83621 WATER 7/9/2015	S-2 480-101880-3 TA 480-101880 WATER 6/17/2016	S-2 480-114997-6 TA 480-114997 WATER 3/23/2017	S-2 480-125448-10 TA 480-125448 WATER 10/8/2017
CAS NO.	COMPOUND		UNITS:															
VOLATILES																		
67-64-1	Acetone	50 (G)	(µg/L)	5 J, B	ND	ND	ND	ND	ND	ND	4.3 J	ND	ND	ND	ND	ND	ND	5.2 J
71-43-2	Benzene	1	(µg/L)	ND	ND	ND	0.49 J	ND	ND	ND	0.44 J	ND	ND	0.80 J	ND	0.43 J	ND	0.64 J
75-15-0	Carbon disulfide	60 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.42 J	ND	ND	ND	ND
108-90-7	Chlorobenzene	5	(µg/L)	ND	ND	ND	ND	ND	ND	1.8	ND	ND	ND	ND	ND	ND	ND	ND
75-34-3	1,1-Dichloroethane	5	(µg/L)	2 J	ND	ND	2.2	2.6 DO3, J	0.69 J	0.40 J	1.0	1.1	1.1	1.1	1.2	1.4	ND	0.56 J
156-59-2	cis-1,2-Dichloroethene	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-
540-59-0	1,2-Dichloroethene (total)	NS	(µg/L)	ND	ND	ND	ND	ND	7.1	2.1	ND	ND	ND	ND	ND	1.1 J	8.2	17
108-89-3	Ethylbenzene	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
108-10-1	4-Methyl-2-pentanone	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
75-09-2	Methylene chloride	5	(µg/L)	1 J, B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
127-18-4	Tetrachloroethene	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	0.44 J	ND	ND	ND	ND	ND	ND	ND
108-88-3	Toluene	5	(µg/L)	ND	ND	ND	0.68 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
79-01-6	Trichloroethene	5	(µg/L)	ND	ND	ND	ND	ND	1.2	ND	ND	ND	ND	0.80 J	ND	ND	1.7	2.9
75-01-4	Vinyl Chloride	2	(µg/L)	ND	ND	ND	ND	ND	1.1	ND	ND	ND	ND	3.8	ND	ND	1.3	2.8
1330-20-7	Xylene (total)	5	(µg/L)	ND	ND	ND	1.8 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total VOCs				8	ND	ND	5.17	2.6	10.09	4.82	6.18	1.1	1.1	6.92	1.2	2.93	11.2	29.1
SEMIVOLATILES																		
83-32-9	Acenaphthene	20 (G)	(µg/L)	ND	0.3 J	ND	ND	0.59 J	0.71 J	1.1 J	0.73 J	ND	ND	0.49 J	ND	ND	ND	ND
208-96-8	Acenaphthylene	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
120-12-7	Anthracene	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	0.29 J	ND	ND	ND	ND	ND	ND	ND
56-55-3	Benzo[a]anthracene	0.02 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
50-32-8	Benzo[a]pyrene	ND	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
205-99-2	Benzo[b]fluoranthene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.65 J	ND	ND	ND	ND
191-24-2	Benzo[g,h,i]perylene	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
207-08-9	Benzo[k]fluoranthene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
117-81-7	bis(2-Ethylhexyl)phthalate	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.5 J	ND	ND	ND	ND
86-74-8	Carbazole	NS	(µg/L)	ND	ND	ND	ND	ND	ND	2.2 J	0.91 J	ND	ND	ND	ND	ND	ND	ND
218-01-9	Chrysene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
84-74-2	Di-n-butyl phthalate	50	(µg/L)	1 J	0.4 J, B	ND	ND	ND	0.82 J, B	2.3 J	1.3 J	3.3 J	2.3 J, B	0.29 J	ND	ND	ND	0.48 J
117-84-0	Di-n-octyl-phthalate	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	0.53 J	ND	ND	ND	ND	ND	ND	ND	ND
132-64-9	Dibenzofuran	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
106-46-7	1,4-Dichlorobenzene	3	(µg/L)	ND	ND	ND	ND	ND	ND	1.1 J	ND	ND	ND	ND	ND	ND	ND	ND
84-66-2	Diethyl phthalate	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
105-67-9	2,4-Dimethylphenol	1	(µg/L)	7 J	ND	6	15	ND	ND	3.7 J	21	5.8	ND	5.5	3.0 J	1.5 J	ND	3.4 J
131-11-3	Dimethyl phthalate	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	48	7.2	36	2.1 J	ND	ND	ND	ND	ND
206-44-0	Fluoranthene	50 (G)	(µg/L)	ND	0.3 J	ND	ND	ND	ND	0.39 J	ND	ND	ND	ND	ND	ND	ND	ND
86-73-7	Fluorene	50 (G)	(µg/L)	ND	0.2 J	ND	ND	ND	ND	0.42 J	0.58 J	ND	ND	0.40 J	ND	ND	ND	ND
193-39-5	Indeno[1,2,3-cd]pyrene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
91-57-6	2-Methylnaphthalene	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	1.6 J	ND	ND	ND	ND	ND	ND	ND
95-48-7	2-Methylphenol	1	(µg/L)	1 J	ND	0.8 J	4.6 J	ND	ND	ND	ND	0.86 J	ND	1.3 J	0.64 J	ND	ND	1.4 J
106-44-5	4-Methylphenol	1	(µg/L)	3 J	ND	1 J	10 ID7	ND	ND	ND	5.5 J	ND	ND	2.2 J	1.0 J	ND	ND	3.1 J
91-20-3	Naphthalene	10 (G)	(µg/L)	1 J	ND	ND	2.2 J	ND	ND	ND	1.7 J	ND	ND	1.1 J	ND	ND	ND	ND
99-09-2	3-Nitroaniline	5	(µg/L)	ND	ND	ND	ND	0.53 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
100-02-7	4-Nitrophenol	1	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
85-01-8	Phenanthrene	50 (G)	(µg/L)	ND	0.3 J	ND	ND	0.69 J	ND	ND	0.65 J	0.49 J	0.45 J	0.61 J	0.43 J	0.49 J	ND	0.57 J
108-95-2	Phenol	1	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.51 J	ND	ND	ND	0.51 J
129-00-0	Pyrene	50 (G)	(µg/L)	ND	0.2 J	ND	ND	ND	ND	ND	0.48 J	ND	ND	ND	ND	ND	ND	ND
95-95-4	2,4,5-Trichlorophenol	NS	(µg/L)	ND	ND	ND	ND	0.89 J	ND	ND	ND	ND	ND	0.45 J	ND	ND	ND	ND
Total SVOCs				13	1.7	6.5	31.8	2.70	1.53	59.35	42.33	46.45	4.85	17.00	5.70	1.99	ND	9.46

Notes:

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QSU = Sulfur (EPA 3660) clean-up performed on extract.

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E = Concentration exceeds method limit.



Appendix B-3

Sump Historically Detected Compounds

Cherry Farm Sump Samples		NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample ID: Source: SDG: Matrix: Sampled:	S-2	S-2	S-2	S-2	S-2	S-2	S-2	S-2	S-2	S-2	S-2	S-2	S-2	S-2	S-2			
Historically Detected Compounds				0603095-003A	A7E985012	A8E30606	RSI0312-02	RTF0860-03	480-2227-2	480-14339-2	480-23637-2	480-38452-4	480-56862-2	480-70664-4	480-83621-5	480-101880-3	480-114997-6	480-125448-10			
				LSL-BL	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA			
				6030950	A07-E985	A08-E150	RSI0296	RTF0798	480-2185	480-14339	480-23637	480-38452	480-38452	480-38452	480-83621	480-101880	480-114997	480-125448			
				Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water		
				3/21/2006	12/27/2007	11/10/2008	9/9/2009	6/11/2010	3/4/2011	12/21/2011	8/8/2012	5/16/2013	3/28/2014	11/4/2014	7/9/2015	6/17/2016	3/23/2017	10/8/2017			
CAS NO.	COMPOUND		UNITS:																		
PESTICIDES																					
309-00-2	Aldrin	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
319-84-6	alpha-BHC	0.01	(µg/L)	ND	ND	ND	ND	0.013 QSU, J	ND	ND	ND	ND	ND	ND	0.011 J B	ND	ND	ND	ND		
319-85-7	beta-BHC	0.04	(µg/L)	0.0026 J, P	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
319-86-8	delta-BHC	0.04	(µg/L)	0.018 J, P, B	ND	0.032 J B	ND	ND	ND	ND	ND	0.014 J	ND	ND	ND	ND	ND	ND	ND		
58-99-9	gamma-BHC (Lindane)	0.05	(µg/L)	0.00066 J, P	ND	0.033 J	ND	0.011 QSU, J	ND	ND	ND	0.015 J	ND	ND	ND	ND	ND	ND	0.011 J		
5103-71-9	alpha-Chlordane	0.05	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
5103-74-2	gamma-Chlordane	0.05	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	0.013 J	0.016 J	ND	ND	ND	ND	ND	ND		
72-54-8	4,4'-DDD	0.3	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	0.12 B	ND	ND	ND	ND	ND	ND	ND		
72-55-9	4,4'-DDE	0.2	(µg/L)	ND	ND	ND	0.024 J	ND	ND	ND	ND	0.021 J	ND	ND	ND	ND	ND	ND	ND		
50-29-3	4,4'-DDT	0.2	(µg/L)	ND	ND	0.036 J	ND	ND	ND	ND	ND	0.023 J	ND	ND	ND	ND	ND	ND	0.014 J		
60-57-1	Dieldrin	0.004	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
959-98-8	Endosulfan I	NS	(µg/L)	0.015 J	0.0050 J	0.063	ND	ND	ND	ND	ND	0.11	ND	ND	ND	ND	0.017 J	ND	ND		
33213-65-9	Endosulfan II	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
1031-07-8	Endosulfan sulfate	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
72-20-8	Endrin	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
7421-93-4	Endrin aldehyde	5	(µg/L)	0.0015 J, P	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
53494-70-5	Endrin ketone	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
75-44-8	Heptachlor	0.04	(µg/L)	ND	0.023 J	0.032 J	ND	0.011 QSU, J	ND	ND	ND	0.022 J	0.039 J	ND	ND	ND	ND	ND	ND		
1024-57-3	Heptachlor epoxide	0.03	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	0.0089 J	ND	ND	ND	ND	ND	ND	ND		
72-43-5	Methoxychlor	35	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Total Pesticides				0.0378	0.0280	0.196	0.024	0.035	ND	ND	ND	0.3469	0.0550	0.0110	ND	0.017	ND	0.025			
PCBs																					
53469-21-9	Aroclor-1242	Sum of all PCBs	(µg/L)	ND	0.33 J	0.41 J	ND	ND	ND	0.46 J	0.46 J	ND	ND	ND	ND	ND	ND	ND	ND		
12672-29-6	Aroclor-1248	< 0.09	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.24 J	0.19 J		
11096-82-5	Aroclor-1260		(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Total PCBs				ND	0.33	0.41	ND	ND	ND	0.46	0.46	ND	ND	ND	ND	ND	ND	0.24	0.19		
INORGANICS																					
7429-90-5	Aluminum	NS	(µg/L)	308	206	161 B	159 B, J	176 J	94 J	ND	460	140 J	6.8 J	280	300	140 J	180 J	320			
7440-36-0	Antimony	3	(µg/L)	3.6 B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
7440-38-2	Arsenic	25	(µg/L)	3.2 B	ND	6.1 B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
7440-39-3	Barium	1,000	(µg/L)	34.8	39.0	41.0	35.5	30.8	23	100	110 B	38	2.7	33	47	48	53	71			
7440-41-7	Beryllium	3 (G)	(µg/L)	ND	0.38 B	0.44 B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
7440-43-9	Cadmium	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
7440-70-2	Calcium	NS	(µg/L)	83,700	61,800	86,400	74,400 B	72,500	18,700 B	83,100 B	65,800	84,600	49,200	66,200	97,600	82,400 B	71,300	111,000			
7440-47-8	Chromium	50	(µg/L)	ND	ND	ND	0.9 J	1.3 J	ND	3.7 J	1.6 J	5.1	ND	5.6	ND	ND	ND	ND	ND		
7440-48-4	Cobalt	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	0.82 J	ND	ND	ND	ND	ND	ND	ND		
7440-50-8	Copper	200	(µg/L)	3.8 B	2.9 B	ND	2.8 J	21.6 CF6	9.9 J	2.8 J	7.8 J	ND	ND	ND	ND	ND	2.3 J	ND	ND		
7439-89-6	Iron	300	(µg/L)	705	42.3 B	44.7 B	78	470 CF6	740	4,700	3,400	7,600	110	300	53	110	ND	ND	ND		
7439-92-1	Lead	25	(µg/L)	ND	ND	ND	ND	ND	ND	3.3 J	ND	ND	ND	4.1 J	ND	ND	3.8 J	ND	ND		
7439-95-4	Magnesium	35,000 (G)	(µg/L)	70.1 B	77.5 B	ND	ND	2,500	17,600	7,400	430	980	370	980	260	ND	ND	ND	ND		
7439-96-5	Manganese	300	(µg/L)	3.9 B, E	0.45 B	ND	0.6 J	2.8 J	41	540	430	200 B	8	4	0.47 J B	6.7	ND	ND	ND		
7439-97-6	Mercury	0.7	(µg/L)	0.011 B	ND	0.122 B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
7440-02-0	Nickel	100	(µg/L)	3.1 B	ND	1.8 B	1.8 J	ND	1.9 J	7.8 J	2.6 J	31	1.8 J	1.3 J	ND	2.3 J	ND	ND	ND		
7440-09-7	Potassium	NS	(µg/L)	38,100	36,400	40,300	39,700	42,300	29,100	15,800	27,600	38,100	37,500	36,100	49,000	53,600	28,900	35,200	ND		
7782-49-2	Selenium	10	(µg/L)	ND	7.7 B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
7440-22-4	Silver	50	(µg/L)	ND	1.3 B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
7440-23-5	Sodium	20,000	(µg/L)	57,400	44,900	64,000	56,700	59,800	46,400	33,900	63,200	45,400	46,800	46,200	67,000	105,000	42,700	53,100	ND		
7440-62-2	Vanadium	NS	(µg/L)	12.6 B	72.4	19.1	13.3	11.5	27	1.6 J	9.1	4.2 J	6.1	11	17	9.5	12	4.7 J	ND		
7440-66-6	Zinc	2,000 (G)	(µg/L)	84.7	ND	5.1 B	2.8 J	3.4 J	6.5 J	46	20	19	1.6 J	3.2	34	69 B	2.4 J B	1.8 J	ND		
57-12-5	Cyanide	200	(µg/L)	38.6	0.031	0.060	ND	63.9	18	ND	29	21	3.5	34	28	30	12	10	ND		
Total Inorganics				180,471	143,550	190,979	171,095	175,381	97,661	155,805	168,470	176,589	176,589	176,589	214,136	241,676	143,166	199,708	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.

NA = Not analyzed/applicable

NS = No Standard

(G) = Guidance Value

ND = 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.

ID7 = 4-Methylphenol concentration is the sum of 3- and 4-Methylphenol.

QSU = Sulfur (EPA 3660) clean-up performed on extract.

B = Compound was found in the blank and sample.

E = Concentration exceeds method limit.



Appendix B-3

Sump Historically Detected Compounds

Cherry Farm Sump Samples		NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample ID: Source: SDG: Matrix: Sampled:	S-3	S-3	S-3	S-3	S-3	S-3	S-3	S-3	S-3	S-3	S-3	S-3	S-3	S-3	S-3		
Historically Detected Compounds				G5120	H0920	H7393	J8339	M0189	N4873	Q3848	R7148	S7282	T6807	V4307	Z9835	A7428	B4290	E1070	0508015-005A	
				OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OB	OB	OB	OB	OB	OB	OB
				5116	6847	7810	9571	1489	3856	5490	7645	9259	724	2494	4203	5716	6968	6968	6968	200508
				Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
				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	
CAS NO.	COMPOUND		UNITS:																	
VOLATILES																				
67-64-1	Acetone	50 (G)	(µg/L)	ND	7 J	ND	6 J	5 J	ND	ND	7 J	4 J	ND	ND	4 J, B	ND	ND	3 J, B	5 J, B	
71-43-2	Benzene	1	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
75-15-0	Carbon disulfide	60 (G)	(µg/L)	ND	ND	ND	ND	8 J	2 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
108-90-7	Chlorobenzene	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
75-34-3	1,1-Dichloroethane	5	(µg/L)	2 J	2 J	2 J	ND	3 J	2 J	2 J	2 J	2 J	2 J	2 J	2 J	2 J	2 J	2 J	2 J	
156-59-2	cis-1,2-Dichloroethene	5	(µg/L)	ND	ND	ND	ND	2 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.5 J	
540-59-0	1,2-Dichloroethene (total)	NS	(µg/L)	2 J	2 J	ND	ND	2 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
100-41-4	Ethylbenzene	5	(µg/L)	ND	4 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
108-10-1	4-Methyl-2-pentanone	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1 J	ND	ND	2 J	ND	
75-09-2	Methylene chloride	5	(µg/L)	ND	ND	ND	2 J	1 J, B	ND	ND	ND	ND	2 J, B	1 J	1 J, B	0.5 J	ND	0.7 J, B	0.8 J, B	
127-18-4	Tetrachloroethene	5	(µg/L)	1 J	2 J	1 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
108-88-3	Toluene	5	(µg/L)	1 J	17	4 J	ND	1 J	ND	ND	ND	1 J	0.7 J	ND	ND	0.7 J	ND	0.8 J	1 J	
79-01-6	Trichloroethene	5	(µg/L)	ND	1 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1330-20-7	Xylene (total)	5	(µg/L)	3 J	25	9 J	ND	4 J	3 J	4 J	2 J	4 J	2 J	3 J	ND	1 J	0.9 J	1 J	2 J	
Total VOCs				9	60	16	8	26	7	6	11	11	6.7	6	8	4.2	2.9	9.5	11.3	
SEMIVOLATILES																				
95-95-4	2,4,5-Trichlorophenol	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
83-32-9	Acenaphthene	20 (G)	(µg/L)	ND	ND	ND	ND	3 J	2 J	ND	ND	1 J	ND	ND	ND	ND	ND	1 J	ND	
208-96-8	Acenaphthylene	NS	(µg/L)	ND	ND	ND	ND	4 J	2 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
122-84-9	Benzo[a]anthracene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	94 J, D	1 J	5 J	1.3 J	
50-32-8	Benzo[a]pyrene	ND	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	79 J, D	ND	4 J	1.9 J	
205-99-2	Benzo[b]fluoranthene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	110 J, D	2 J	6 J	3.7 J	
191-24-2	Benzo[g,h,i]perylene	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3 J	1 J	
207-08-9	Benzo[k]fluoranthene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	93 J, D	ND	4 J	1.7 J	
117-81-7	bis(2-Ethylhexyl)phthalate	5	(µg/L)	ND	ND	7 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	140 J, D	2 J	15 J	18	
86-74-8	Carbazole	NS	(µg/L)	ND	ND	ND	ND	2 J	1 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
59-50-7	4-Chloro-3-methylphenol	1	(µg/L)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
218-01-9	Chrysene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	92 J, D	ND	4 J	1.2 J	
106-46-7	1,4-Dichlorobenzene	3	(µg/L)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
84-74-2	Di-n-butyl phthalate	50	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
117-84-0	Di-n-octyl phthalate	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
132-64-9	Dibenzofuran	NS	(µg/L)	ND	ND	ND	ND	2 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
84-66-2	Diethyl phthalate	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
105-67-9	2,4-Dimethylphenol	1	(µg/L)	43	54	43	ND	28	13	12	4 J	14	10	19	ND	ND	6 J	13	28	
131-11-3	Dimethyl phthalate	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
206-44-0	Fluoranthene	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	210 J, D	2 J	7 J	1.5 J	
86-73-7	Fluorene	50 (G)	(µg/L)	ND	ND	ND	ND	2 J	2 J	ND	1 J	ND	ND	ND	ND	ND	ND	ND	ND	
193-39-5	Indeno[1,2,3-cd]pyrene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2 J	ND	
91-57-6	2-Methylnaphthalene	NS	(µg/L)	1 J	2 J	2 J	ND	4 J	2 J	ND	ND	ND	1 J	ND	ND	ND	ND	ND	1 J	
95-48-7	2-Methylphenol	1	(µg/L)	16	19	15	ND	10 J	8 J	6 J	2 J	10	ND	14	ND	ND	1 J	ND	8.4 J	
106-44-5	4-Methylphenol	1	(µg/L)	49	58	44	ND	25	20	15	ND	22	3 J	33	ND	ND	4 J	ND	19	
91-20-3	Naphthalene	10 (G)	(µg/L)	3 J	6 J	5 J	ND	40	13	6 J	ND	5 J	4 J	7 J	ND	ND	ND	ND	4 J	
85-01-8	Phenanthrene	50 (G)	(µg/L)	ND	ND	1 J	ND	2 J	2 J	ND	ND	1 J	1 J	ND	ND	ND	ND	ND	ND	
108-95-2	Phenol	1	(µg/L)	6 J	18	5 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
129-00-0	Pyrene	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	290 J, D	3 J	17	8.6 J	
Total SVOCs				118	157	122	ND	122	65	39	7	53	18	74	ND	1108	21	81	99.3	

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.

NA = Not analyzed/applicable

- = May not have been previously analyzed.

NS = No Standard

(G) = Guidance Value

ND = 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.

ID7 = 4-Methylphenol concentration is the sum of 3- and 4-Methylphenol.

CF6 = Results confirmed by reanalysis

B = Compound was found in the blank and sample.

E = Concentration exceeds method limit.

* = RPD of the LCS and LCSD exceeds the control limits



Appendix B-3

Sump Historically Detected Compounds

Cherry Farm Sump Samples		NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample ID: Source: SDG: Matrix: Sampled:	S-3	S-3	S-3	S-3	S-3	S-3	S-3	S-3	S-3	S-3	S-3	S-3	S-3	S-3	S-3		
Historically Detected Compounds				G5120	H0920	H7393	J8339	M0189	N4873	Q3848	R7148	S7282	T6807	V4307	Z9835	A7428	B4290	E1070	0508015-005A	
				OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OB	OB	OB	OB	OB	OB	OB
				5116	6847	7810	9571	1489	3856	5490	7645	9259	724	2494	4203	5716	6968	6968	200508	
				Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
				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	
CAS NO.	COMPOUND			UNITS:																
PESTICIDES																				
309-00-2	Aldrin	NS	(µg/L)	ND	ND	ND	ND	ND	ND	0.0029 J, P	0.002 J, P	ND	ND	0.036 J, P	ND	ND	ND	ND		
319-84-6	alpha-BHC	0.01	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0015 J, P		
319-85-7	beta-BHC	0.04	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0053 J, P	ND	ND	0.024 J, P	0.026 J, P		
58-89-9	gamma-BHC (Lindane)	0.05	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.017 J, P	0.021 J, P		
5103-71-9	alpha-Chlordane	0.05	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.39 P	ND	ND		
5103-74-2	gamma-Chlordane	0.05	(µg/L)	ND	ND	0.019 J, P	0.003 J, P	0.00072 B, J, P	0.0032 J, P	ND	ND	ND	0.012 J, P	ND	0.13 P	ND	ND	0.0022 J, P		
72-54-8	4,4'-DDD	0.3	(µg/L)	ND	ND	ND	ND	0.00049 J, P	ND	0.0013 J, P	0.0032 J, P	ND	ND	ND	ND	8 P	ND	ND		
72-55-9	4,4'-DDE	0.2	(µg/L)	ND	ND	0.0047 J, P	0.0024 J, P	ND	ND	ND	ND	ND	ND	ND	0.18 P	2.8 P	0.092 J, P	0.1		
50-29-3	4,4'-DDT	0.2	(µg/L)	ND	ND	ND	ND	0.00077 J, P	ND	ND	ND	0.0052 J, P	ND	0.0058 J	0.0097 J, P	ND	ND	ND		
60-57-1	Dieldrin	0.004	(µg/L)	ND	ND	0.0044 J, P	ND	0.00047 J, P	ND	ND	ND	ND	ND	0.018 J	ND	0.21	2.4 P	0.092 B, J, P		
959-98-8	Endosulfan I	NS	(µg/L)	ND	ND	0.0032 J, P	ND	ND	ND	ND	ND	0.0078 J, P	ND	0.0038 J, P	0.0064 J, P	0.059 P	2.2 P	0.025 J, P		
33213-65-9	Endosulfan II	NS	(µg/L)	ND	0.0059 J	ND	0.005 J, P	0.00084 J, P	0.0023 J	ND	ND	ND	0.008 J, P	ND	ND	1.6 P	ND	0.0067 J, P		
1031-07-8	Endosulfan sulfate	NS	(µg/L)	ND	0.0017 J, P	0.068 J, P	0.0069 B, J, P	0.0014 J, P	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.021 J, P		
72-20-8	Endrin	NS	(µg/L)	ND	ND	0.36 P	ND	ND	ND	ND	0.0087 J	ND	0.012 J, P	ND	ND	ND	ND	0.066 J, P		
7421-93-4	Endrin aldehyde	5	(µg/L)	ND	ND	ND	0.0075 J	0.0016 J	ND	ND	0.0061 J	ND	0.011 B, J, P	ND	0.07 J, P	0.72 P, B	ND	0.11 P		
53494-70-5	Endrin ketone	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.003 J, P	ND	ND	ND	0.1 P	ND		
76-44-8	Heptachlor	0.04	(µg/L)	ND	0.0082 J, P	ND	ND	ND	ND	ND	ND	ND	0.0017 J, P	0.0046 J	ND	0.85 P	0.041 P, J	0.07 P		
1024-57-3	Heptachlor epoxide	0.03	(µg/L)	ND	ND	ND	0.00073 J	0.0026 J, P	ND	ND	ND	ND	0.002 J, P	ND	ND	0.2 P, J	ND	0.29 P		
72-43-5	Methoxychlor	35	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.038		
Total Pesticides				ND	0.0158	0.4593	0.02553	0.00889	0.0055	0.0042	0.033	0.008	0.0693	0.062	0.649	19.16	0.299	0.5187		
PCBs																				
12674-11-2	Aroclor-1016		(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
11141-16-5	Aroclor-1232		(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
53469-21-9	Aroclor-1242	Sum of all PCBs	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
12672-29-6	Aroclor-1248	< 0.09	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	13	130 P	5.2 P	14		
11096-82-5	Aroclor-1260		(µg/L)	ND	ND	0.82 J, P	ND	0.52 J, P	ND	ND	ND	ND	ND	ND	ND	ND	2.8	ND		
Total PCBs				ND	ND	0.82	ND	0.52	ND	ND	ND	ND	ND	ND	13	130	5.2	14		
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		
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		
7440-38-2	Arsenic	25	(µg/L)	9.2 B	ND	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		
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		
7440-41-7	Beryllium	3 (G)	(µg/L)	ND	ND	ND	ND	ND	0.18 B	ND	0.26 B	ND	ND	ND	ND	ND	ND	ND		
7440-47-2	Calcium	NS	(µg/L)	126,000	136,000	113,000	112,000	151,000	145,000	169,000	201,000	145,000	132,000	106,000	91,800	107,000	85,100	93,600		
7440-47-8	Chromium	50	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
7440-50-8	Copper	200	(µg/L)	1.4 B	1.4 B	1 B	4.6 B	1.1 B	ND	0.75 B	1.4 B	ND	ND	ND	ND	1.2 B	ND	1.1 B		
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		
7439-92-1	Lead	25	(µg/L)	ND	ND	ND	ND	ND	ND	ND	1.7 B	ND	ND	ND	ND	ND	ND	1 B		
7439-95-4	Magnesium	35,000 (G)	(µg/L)	27.4 B	53.6 B	ND	546 B	46.8 B	60.7 B	121 B	2,140 B	282 B	213 B	317 B	152 B	131 B	182 B	532 B		
7439-96-5	Manganese	300	(µg/L)	0.7 B	ND	ND	14.8 B	ND	0.39 B	ND	4.1 B	8.2 B	ND	6.6 B	0.92 B	4.5 B	5.1 B	2.4 B		
7439-97-6	Mercury	0.7	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.06 B	ND	ND		
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	ND	2.1 B	2.3 B	3.2 B	ND	ND	ND	3.4 B	10.3 B		
7440-09-7	Potassium	NS	(µg/L)	53,000	44,700	47,400	38,500	47,100	48,500	54,100	53,600 E	49,900	48,800	43,100	41,300	44,600	37,400	44,700		
7782-49-2	Selenium	10	(µg/L)	8.1	ND	ND	ND	ND	5.3	ND	26	3.6 B	4.4 B	2.5 B	2.8 B	6	3.3 B	ND		
7440-22-4	Silver	50	(µg/L)	0.85 B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
7440-23-5	Sodium	20,000	(µg/L)	51,500	45,600	49,400	32,500	44,300	46,200 E	61,300	54,200	72,400	63,600	64,700 E	55,900	64,800	52,200	70,400		
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		
7440-66-6	Zinc	2,000 (G)	(µg/L)	4.3 B	4.9 B	8.4 B	26.1	ND	6.3 B	3.4 B	1.2 B	3.8 B	ND	23.6	2.2 B	17 B	35.6	5.5 B		
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		
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		

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.
NA = Not analyzed/applicable
- = May not have been previously analyzed.
NS = No Standard
(G) = Guidance Value
ND = 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.
ID7 = 4-Methylphenol concentration is the sum of 3- and 4-Methylphenol.
CF6 = Results confirmed by reanalysis
B = Compound was found in the blank and sample.
E = Concentration exceeds method limit.
* = RPD of the LCS and LCSd exceeds the control limits



Appendix B-3

Sump Historically Detected Compounds

Cherry Farm Sump Samples Historically Detected Compounds		NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample ID: Source: SDG: Matrix: Sampled:	S-3	S-3	S-3	S-3	S-3	S-3	S-3	S-3	S-3	S-3	S-3	S-3	S-3	DUP (S-3)	S-3	
				0603095-004A	A7E985013	A8E30607	RSI0312-03	RTF0860-04	480-2227-3	480-14339-3	480-23637-3	480-38452-1	480-56862-3	480-70664-5	480-83621-6	480-101880-4	480-114997-7	480-114997-8	480-125448-2
				LSL-BL	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA
				6030950	A07-E985	A08-E150	RSI0296	RTF0798	480-2185	480-14339	480-23637	480-38452	480-38452	480-38452	480-83621	480-101880	480-114997	480-114997	480-125448
				Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
				3/21/2006	12/27/2007	11/10/2008	9/9/2009	6/11/2010	3/4/2011	12/21/2011	8/8/2012	5/16/2013	3/28/2014	11/4/2014	7/9/2015	6/17/2016	3/23/2017	3/23/2017	10/4/2017
CAS NO.	COMPOUND		UNITS:																
				VOLATILES															
67-64-1	Acetone	50 (G)	(µg/L)	2 J, B	ND	ND	2.1 J	ND	ND	ND	ND	ND	3.3 J	ND	ND	ND	ND	ND	ND
71-43-2	Benzene	1	(µg/L)	ND	ND	ND	ND	ND	ND	ND	0.50 J	ND	ND	ND	ND	ND	ND	ND	ND
75-15-0	Carbon disulfide	60 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
108-90-7	Chlorobenzene	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
75-34-3	1,1-Dichloroethane	5	(µg/L)	2 J	ND	ND	1.5	ND	2.0	1.8	2.2	1.8	0.50 J	1.9	0.86 J	1.7	1.5	1.8	2.2
156-59-2	cis-1,2-Dichloroethene	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-
540-59-0	1,2-Dichloroethene (total)	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.4 J	1.1 J	1.3 J	2.0 J
100-41-4	Ethylbenzene	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
108-10-1	4-Methyl-2-pentanone	NS	(µg/L)	1 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
75-09-2	Methylene chloride	5	(µg/L)	1 J, B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.4 J
127-18-4	Tetrachloroethene	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	0.49 J	ND	ND	0.39 J	ND	0.48 J	ND	0.54 J	ND
108-88-3	Toluene	5	(µg/L)	ND	ND	ND	ND	ND	0.67 J	0.68 J	0.94 J	ND	ND	0.69 J	ND	ND	0.53 J	ND	ND
79-01-6	Trichloroethene	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1330-20-7	Xylene (total)	5	(µg/L)	ND	ND	ND	1.0 J	ND	0.95 J	1.7 J	2.5	ND	ND	1.7 J	ND	ND	0.66 J	0.72 J	1.4 J
Total VOCs				6	ND	ND	4.6	ND	3.62	4.18	6.63	1.8	3.80	4.68	0.86	3.58	3.79	4.36	7.0
				SEMIVOLATILES															
95-95-4	2,4,5-Trichlorophenol	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	0.52 J	ND	ND	ND	ND	ND	0.81 J	0.89 J	1.4 J
83-32-9	Acenaphthene	20 (G)	(µg/L)	ND	0.5 J	0.6 J	ND	0.69 J	0.51 J	0.65 J	0.74 J	ND	0.44 J	0.66 J	ND	1.1 J	0.62 J	0.69 J	0.84 J
208-96-8	Acenaphthylene	NS	(µg/L)	ND	0.2 J	0.4 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.39 J	ND	0.48 J
56-55-3	Benzo[a]anthracene	0.002 (G)	(µg/L)	ND	0.2 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
50-32-8	Benzo[a]pyrene	ND	(µg/L)	1 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
205-99-2	Benzo[b]fluoranthene	0.002 (G)	(µg/L)	1 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.65 J	ND	ND	ND	ND	ND
191-24-2	Benzo[g,h,i]perylene	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
207-08-9	Benzo[k]fluoranthene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
117-81-7	bis(2-Ethylhexyl)phthalate	5	(µg/L)	6 J	ND	ND	ND	ND	2.6 J B	ND	ND	ND	ND	3.4 J	ND	ND	ND	ND	ND
86-74-8	Carbazole	NS	(µg/L)	ND	ND	0.5 J	ND	0.54 J	0.42 J	0.48 J	0.49 J	ND	ND	0.39 J	ND	1.4 J	0.42 J	0.45 J	ND *
59-50-7	4-Chloro-3-methylphenol	1	(µg/L)	-	-	-	-	-	-	-	-	-	-	-	-	3.1 J	ND	ND	ND
218-01-9	Chrysene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
106-46-7	1,4-Dichlorobenzene	3	(µg/L)	-	-	-	-	-	-	-	-	-	-	-	-	0.68 J	ND	ND	ND
84-74-2	Di-n-butyl phthalate	50	(µg/L)	1 J	0.3 J B	0.7 J B	ND	ND	0.92 J B	ND	0.39 J	0.49 J	0.56 J B	0.31 J	0.49 J	ND	ND	ND	ND
117-84-0	Di-n-octyl phthalate	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.5 J	ND	ND	ND	ND	ND
132-64-9	Dibenzofuran	NS	(µg/L)	ND	ND	0.3 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
84-66-2	Diethyl phthalate	50 (G)	(µg/L)	ND	ND	0.8 J B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
105-67-9	2,4-Dimethylphenol	1	(µg/L)	26	4 J	14	11	8.9	7.3	10	11	18	22	18	11	18	14	14	58
131-11-3	Dimethyl phthalate	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.5 J	3.9 J	ND	ND	ND *
206-44-0	Fluoranthene	50 (G)	(µg/L)	ND	0.3 J	0.4 J B	ND	ND	0.44 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
86-73-7	Fluorene	50 (G)	(µg/L)	ND	0.4 J	0.6 J	ND	ND	0.59 J *	0.37 J	0.65 J	ND	ND	0.56 J	ND	0.71 J	0.56 J	0.55 J	0.67 J
193-39-5	Indeno[1,2,3-cd]pyrene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
91-57-6	2-Methylnaphthalene	NS	(µg/L)	ND	0.3 J	0.6 J B	ND	ND	0.70 J	0.67 J	ND	ND	ND	ND	0.66 J	ND	ND	ND	ND
95-48-7	2-Methylphenol	1	(µg/L)	9 J	0.6 J	3 J	3.5 J	8.5	7.1	8.8	5.1	7.2	7.1	13	2.7	4.2 J	11	12	36
106-44-5	4-Methylphenol	1	(µg/L)	21	1 J	6	7.4 J ID7	22	15	19	6.7 J	16	16	25	3.3 J	ND	22	23	74
91-20-3	Naphthalene	10 (G)	(µg/L)	4 J	1 J	2 J B	1.2 J	2.1 J	1.8 J	3.0 J	2.9 J	1.9 J	2.8 J	1.7 J	1.7 J	ND	2.4 J	2.4 J	4.9 J
85-01-8	Phenanthrene	50 (G)	(µg/L)	ND	0.8 J	0.9 J B	ND	0.93 J	0.86 J	ND	0.92 J	0.60 J	0.55 J	0.82 J	0.51 J	0.59 J	0.81 J	0.57 J	0.78 J
108-95-2	Phenol	1	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
129-00-0	Pyrene	50 (G)	(µg/L)	ND	ND	0.2 J	ND	ND	0.40 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total SVOCs				69	9.6	31.0	23.1	43.66	37.94	43.00	29.56	44.71	49.45	66.99	21.20	34.34	53.01	54.55	177.07

Notes:

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Bold and shaded values exceed the NYSDEC Class GA groundwater standard/guidance value.

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ND = Indicates compound was analyzed for, but not detected at or above the reporting limit.

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Detection Limit and the concentration is an approximate value.

ID7 = 4-Methylphenol concentration is the sum of 3- and 4-Methylphenol.

CF6 = Results confirmed by reanalysis

B = Compound was found in the blank and sample.

E = Concentration exceeds method limit.

* = RPD of the LCS and LCSD exceeds the control limits



Appendix B-3

Sump Historically Detected Compounds

Cherry Farm Sump Samples		NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID:	S-3	S-3	S-3	S-3	S-3	S-3	S-3	S-3	S-3	S-3	S-3	S-3	S-3	S-3	DUP (S-3)	S-3
Historically Detected Compounds			Lab Sample ID:	0603095-004A	A7E985013	A8E30607	RSI0312-03	RTF0860-04	480-2227-3	480-14339-3	480-23637-3	480-38452-1	480-56862-3	480-70664-5	480-83621-6	480-101880-4	480-114997-7	480-114997-8	480-125448-2
			Source:	LSL-BL	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA
			SDG:	6030950	A07-E985	A08-E150	RSI0296	RTF0798	480-2185	480-14339	480-23637	480-38452	480-38452	480-38452	480-83621	480-101880	480-114997	480-114997	480-125448
			Matrix:	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
			Sampled:	3/21/2006	12/27/2007	11/10/2008	9/9/2009	6/11/2010	3/4/2011	12/21/2011	8/8/2012	5/16/2013	3/28/2014	11/4/2014	7/9/2015	6/17/2016	3/23/2017	3/23/2017	10/4/2017
CAS NO.	COMPOUND		UNITS:																
PESTICIDES																			
309-00-2	Aldrin	NS	(µg/L)	0.0039 J, P	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
319-84-6	alpha-BHC	0.01	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.022 J B	ND	ND	ND	ND	ND
319-85-7	beta-BHC	0.04	(µg/L)	0.0093 J, P	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
58-99-9	gamma-BHC (Lindane)	0.05	(µg/L)	0.018 J, P	ND	0.038 J	0.026 J	0.013 QSU, J	ND	ND	ND	0.014 J	0.012 J	ND	ND	ND	ND	ND	ND
5103-71-9	alpha-Chlordane	0.05	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
5103-74-2	gamma-Chlordane	0.05	(µg/L)	ND	ND	ND	ND	0.013 QSU, J	ND	ND	ND	0.012 J	ND	ND	ND	ND	ND	ND	ND
72-55-9	4,4'-DDE	0.2	(µg/L)	0.12 P	ND	ND	ND	ND	ND	ND	ND	0.020 J	ND	ND	ND	ND	ND	ND	ND
50-29-3	4,4'-DDT	0.2	(µg/L)	ND	ND	0.041 J	0.028 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
60-57-1	Dieldrin	0.004	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
959-98-8	Endosulfan I	NS	(µg/L)	0.035 J, P	ND	0.051	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
33213-65-9	Endosulfan II	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1031-07-8	Endosulfan sulfate	NS	(µg/L)	0.0057 J, P	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
72-20-8	Endrin	NS	(µg/L)	0.066 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
7421-93-4	Endrin aldehyde	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
53494-70-5	Endrin ketone	5	(µg/L)	0.0072 J, P	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
76-44-8	Heptachlor	0.04	(µg/L)	ND	0.023 J	0.080	0.016 J	ND	ND	ND	ND	0.0091 J	0.018 J	ND	ND	ND	ND	ND	ND
1024-57-3	Heptachlor epoxide	0.03	(µg/L)	ND	ND	0.027 J B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
72-43-5	Methoxychlor	35	(µg/L)	0.068	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.2	ND	ND	ND
Total Pesticides				0.3331	0.023	0.237	0.070	0.026	ND	ND	ND	0.0551	0.030	0.022	ND	5.2	ND	ND	ND
PCBs																			
12674-11-2	Aroclor-1016		(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.25 J	ND	ND	ND	ND	ND	ND
11141-16-5	Aroclor-1232		(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.74	ND	ND	4.2	ND	ND
53469-21-9	Aroclor-1242	Sum of all PCBs	(µg/L)	ND	0.39 J	0.44 J	ND	0.20 QSU, J	ND	0.30 J	0.93	0.24 J	ND	ND	ND	ND	0.61	0.36 J	0.46 J
12672-29-6	Aroclor-1248	< 0.09	(µg/L)	4.8 P	ND	ND	ND	ND	0.41 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11096-82-5	Aroclor-1260		(µg/L)	2.1	ND	ND	ND	ND	0.29 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PCBs				6.9	0.39	0.44	ND	0.20	0.70	0.30	0.93	0.24	0.25	0.74	ND	4.2	0.61	0.36	0.46
INORGANICS																			
7429-90-5	Aluminum	NS	(µg/L)	271	474	496	309 B	308	280	200	290	320	200	370	130 J	ND	410	420	400
7440-36-0	Antimony	3	(µg/L)	3.2 B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
7440-38-2	Arsenic	25	(µg/L)	4.4 B	5.7 B	7.9 B	ND	ND	ND	ND	6.4 J	5.7 J	ND	ND	ND	7.0 J	ND	ND	ND
7440-39-3	Barium	1,000	(µg/L)	29 B	34.9	34.9	27.8	30	24	24	29 B	33	33	34	40	93	47	45	44
7440-41-7	Beryllium	3 (G)	(µg/L)	ND	0.38 B	0.40 B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
7440-70-2	Calcium	NS	(µg/L)	72,800	63,000	74,100	59,100 B	59,600	52,200 B	45,400 B	54,100	57,600	54,600	60,500	55,800	212,000 B	76,500	74,900	74,500
7440-47-8	Chromium	50	(µg/L)	ND	1.6 B	1.3 B	ND	ND	1.7 J	ND	ND	1.5 J	ND	ND	ND	ND	ND	ND	ND
7440-50-8	Copper	200	(µg/L)	ND	ND	1.6 B	ND	ND	2.3 J	1.7 J	ND	4.4 J	ND	ND	1.8 J	4.4 J	4.4 J	1.7 J	ND
7439-89-6	Iron	300	(µg/L)	153	20.5 B	118	26 J	36 J	300	55	37 J	64	41 J	52	670	480	40 J	34 J	32 J
7439-92-1	Lead	25	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.8	ND	ND	3.8 J	ND	3.3 J
7439-95-4	Magnesium	35,000 (G)	(µg/L)	343 B	557	193 B	56 J	77 J	ND	77 J	ND	240	1,000	560	7,400	3,700	160 J	160 J	81 J
7439-96-5	Manganese	300	(µg/L)	0.72 B, E	0.79 B	0.94 B	1.0 J	0.2 J	2.3 J	0.55 J	ND	0.79 J B	3.2	9.9	38 B	180	ND	ND	ND
7439-97-6	Mercury	0.7	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
7440-02-0	Nickel	100	(µg/L)	4 B	2.2 B	2.0 B	2.6 J	1.4 J	1.6 J	1.9 J	1.4 J	1.9 J	ND	ND	19	2.0 J	ND	ND	1.3 J
7440-09-7	Potassium	NS	(µg/L)	39,400	38,700	39,700	41,000	43,500	35,300	35,100	39,900	42,900	36,800	44,400	25,500	89,300	54,800	55,100	59,500
7782-49-2	Selenium	10	(µg/L)	3.3 B	12.3 B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
7440-22-4	Silver	50	(µg/L)	1.2 B	1.5 B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
7440-23-5	Sodium	20,000	(µg/L)	60,700	48,900	61,500	58,500	61,100	51,700	47,100	51,800	54,000	41,700	54,700	28,500	91,900	99,800	100,000	112,000
7440-62-2	Vanadium	NS	(µg/L)	10.6 B	39.1	22.4	15.6	11.8	35	39	16	33	7.4	12	4.6 J	3.5 J	22	20	7.2
7440-66-6	Zinc	2,000 (G)	(µg/L)	24.4	ND	ND	33.3	2.1 J	3.0 J	ND	ND	2.2 J	2.1 J	ND	790	25 B	2.6 J B	2.3 J B	1.8 J
57-12-5	Cyanide	200	(µg/L)	50.6	0.045	0.022	46.5 CF6	62.9 CF6	44	49	66	54	ND	36 B	19	ND	39	65	30
Total Inorganics				173,798	151,750	176,178	159,118	164,736	139,894	128,048	146,246	155,260	134,387	160,680	118,912	397,695	231,829	230,748	246,601

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.

NA = Not analyzed/applicable

- = May not have been previously analyzed.

NS = No Standard

(G) = Guidance Value

ND = 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.

ID7 = 4-Methylphenol concentration is the sum of 3- and 4-Methylphenol.

CF6 = Results confirmed by reanalysis

B = Compound was found in the blank and sample.

E = Concentration exceeds method limit.

* = RPD of the LCS and LCSD exceeds the control limits

Appendix B-3

Sump Historically Detected Compounds

Cherry Farm Sump Samples		NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample ID: Source: SDG: Matrix: Sampled:	S-4	S-4	S-4	S-4	S-4	S-4	S-4	S-4	S-4	S-4	S-4	S-4	S-4	S-4	S-4	
Historically Detected Compounds				G5118	H1025	H7398	M0297	N5018	Q4028	R7178	S7279	T6910	V4635	Z7445	A7427	B4293	E1191	0508015-002A	
				OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OB	OB	OB	OB	OB	OB
				5116	6857	7810	1516	3880	5512	7645	9259	739	2494	4203	5716	6968	6968	6968	
				Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
				11/20/1997	2/20/1998	5/28/1998	10/21/1998	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
CAS NO.	COMPOUND		UNITS:																
VOLATILES																			
67-64-1	Acetone	50 (G)	(µg/L)	ND	2 J	ND	NA	6 J	ND	ND	3 J	4 J	ND	ND	2 J, B	ND	ND	3	3
71-43-2	Benzene	1	(µg/L)	6 J	ND	1 J	NA	5 J	ND	ND	ND	ND	ND	ND	ND	ND	1 J	ND	0.8 J
75-15-0	Carbon disulfide	60 (G)	(µg/L)	ND	ND	ND	NA	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
75-34-3	1,1-Dichloroethane	5	(µg/L)	ND	ND	ND	NA	8 J	ND	ND	ND	ND	ND	ND	ND	ND	1 J	1 J	0.6 J
156-59-2	cis-1,2-Dichloroethene	5	(µg/L)	ND	ND	ND	NA	9 J	ND	ND	ND	ND	ND	ND	ND	ND	1 J	2 J	0.9 J
156-60-5	trans-1,2-Dichloroethene	5	(µg/L)	ND	ND	ND	NA	2 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
540-59-0	1,2-Dichloroethene (total)	NS	(µg/L)	3 J	ND	ND	NA	11	ND	ND	1 J	ND	ND	ND	ND	ND	ND	ND	ND
100-41-4	Ethylbenzene	5	(µg/L)	ND	ND	ND	NA	7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.9
108-10-1	4-Methyl-2-pentanone	NS	(µg/L)	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
75-09-2	Methylene chloride	5	(µg/L)	ND	ND	ND	NA	2 J, B	ND	ND	ND	ND	1 J, B	1 J	0.9 J, B	ND	1	0.7	0.9
127-18-4	Tetrachloroethene	5	(µg/L)	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.6 J
108-88-3	Toluene	5	(µg/L)	1 J	ND	ND	NA	4 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1 J
79-01-6	Trichloroethene	5	(µg/L)	1 J	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
75-01-4	Vinyl chloride	2	(µg/L)	ND	ND	ND	NA	4 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1330-20-7	Xylene (total)	5	(µg/L)	2 J	ND	ND	NA	24	ND	ND	1 J	ND	ND	ND	0.5 J	2 J	5 J	1 J	5 J
Total VOCs				13	2	1	NA	92	ND	ND	5	4	1	1	3.4	4	10	6.1	15.2
SEMIVOLATILES																			
83-32-9	Acenaphthene	20 (G)	(µg/L)	8	ND	6 J	NA	ND	1 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
208-96-8	Acenaphthylene	NS	(µg/L)	4	ND	5 J	NA	ND	1 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	1 J
120-12-7	Anthracene	50 (G)	(µg/L)	1	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
50-32-8	Benzo[a]pyrene	NS	(µg/L)	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
205-99-2	Benzo[b]fluoranthene	0.002 (G)	(µg/L)	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
117-81-7	bis(2-Ethylhexyl)phthalate	5	(µg/L)	ND	ND	ND	NA	ND	ND	2 J	2 J	4 J	ND	5 J	ND	ND	ND	ND	1 J
85-68-7	Butyl benzyl phthalate	50 (G)	(µg/L)	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
86-74-8	Carbazole	NS	(µg/L)	4 J	ND	4 J	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1 J
59-50-7	4-Chloro-3-methylphenol	1	(µg/L)	ND	ND	ND	NA	5 J	ND	ND	3 J	ND	ND	2 J	36	ND	9 J	ND	ND
84-74-2	Di-n-butyl phthalate	50	(µg/L)	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
117-84-0	Di-n-octyl phthalate	50 (G)	(µg/L)	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
132-64-9	Dibenzofuran	NS	(µg/L)	4 J	ND	5 J	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1 J
95-50-1	1,2-Dichlorobenzene	3	(µg/L)	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
541-73-1	1,3-Dichlorobenzene	3	(µg/L)	ND	ND	ND	NA	1 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
106-46-7	1,4-Dichlorobenzene	3	(µg/L)	ND	ND	ND	NA	2 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
84-66-2	Diethyl phthalate	50 (G)	(µg/L)	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
131-11-3	Dimethyl phthalate	50 (G)	(µg/L)	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
105-67-9	2,4-Dimethylphenol	1	(µg/L)	4 J	ND	18	NA	51	2 J	ND	ND	ND	ND	1 J	3 J	3 J	11	39	ND
206-44-0	Fluoranthene	50 (G)	(µg/L)	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
86-73-7	Fluorene	50 (G)	(µg/L)	6 J	ND	6 J	NA	1 J	1 J	ND	ND	ND	ND	ND	ND	1 J	ND	2 J	ND
91-57-6	2-Methylnaphthalene	NS	(µg/L)	6 J	ND	5 J	NA	2 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
95-48-7	2-Methylphenol	1	(µg/L)	2 J	ND	6 J	NA	2 J	ND	ND	2 J	ND	ND	ND	1 J	2 J	2 J	13	ND
106-44-5	4-Methylphenol	1	(µg/L)	3 J	ND	10	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	22	ND
91-20-3	Naphthalene	10 (G)	(µg/L)	110	ND	110 E	NA	11	ND	ND	ND	ND	ND	2 J	ND	5 J	ND	ND	ND
85-01-8	Phenanthrene	50 (G)	(µg/L)	10 J	ND	8 J	NA	ND	ND	ND	ND	ND	ND	ND	ND	1 J	ND	1 J	ND
108-95-2	Phenol	1	(µg/L)	ND	ND	1 J	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2 J	ND
129-00-0	Pyrene	50 (G)	(µg/L)	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
120-82-1	1,2,4-Trichlorobenzene	5	(µg/L)	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
95-95-4	2,4,5-Trichlorophenol	NS	(µg/L)	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total SVOCs				162	ND	184	NA	75	5	2	7	4	ND	5	5	40	12	22	83

Notes:

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ID7 = 4-Methylphenol concentration is the sum of 3- and 4-Methylphenol.

CF6 = Results confirmed by reanalysis

B = Compound was found in the blank and sample.

E = Concentration exceeds method limit.

* = RPD of the LCS and LCSD exceeds the control limits

QSU = Sulfur (EPA 3660) clean-up performed on extract.



Appendix B-3

Sump Historically Detected Compounds

Cherry Farm Sump Samples		NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample ID: Source: SDG: Matrix: Sampled:	S-4	S-4	S-4	S-4	S-4	S-4	S-4	S-4	S-4	S-4	S-4	S-4	S-4	S-4	S-4				
Historically Detected Compounds				G5118	H1025	H7398		M0297	N5018	Q4028	R7178	S7279	T6910	V4635	Z7445	A7427	B4293	E1191	0508015-002A			
				OBG	OBG	OBG		OBG	OBG	OBG	OBG	OBG	OBG	OB	OB	OB	OB	OB	OB			
				5116	6857	7810		1516	3880	5512	7645	9259	739	2494	4203	5716	6968	6968	6968			
				Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water		
				11/20/1997	2/20/1998	5/28/1998	10/21/1998	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			
CAS NO.	COMPOUND		UNITS:																			
PESTICIDES																						
309-00-2	Aldrin	NS	(µg/L)	ND	ND	ND	NA	ND	ND	0.0021 J, P	ND	ND	ND	0.0091 J, P	ND	ND	ND	ND	ND			
319-84-6	alpha-BHC	0.01	(µg/L)	ND	ND	ND	NA	ND	ND	0.0016 J	ND	ND	ND	ND	ND	0.013 J, P	0.0091 J	ND	ND			
319-85-7	beta-BHC	0.04	(µg/L)	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0047 J, P			
319-86-8	delta-BHC	0.04	(µg/L)	ND	ND	ND	NA	0.008 J, P	ND	ND	0.0035 B, J, P	ND	ND	ND	ND	ND	ND	ND	ND			
58-89-9	gamma-BHC (Lindane)	0.05	(µg/L)	0.0011 J, P	0.0021 J, P	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.012 J, P	0.0031 J, P	0.0086 J, P			
5103-71-9	alpha-Chlordane	0.05	(µg/L)	ND	0.0036 J, P	ND	NA	0.012 J, P	0.0049 J, P	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
5103-74-2	gamma-Chlordane	0.05	(µg/L)	ND	ND	0.011 J, P	NA	ND	ND	ND	ND	ND	ND	ND	ND	0.0062 J, P	ND	0.021 B, J, P	0.02 J, P			
72-54-8	4,4'-DDT	0.3	(µg/L)	ND	0.0045 J, P	ND	NA	0.0047 J, P	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0099 J, P	ND			
72-55-9	4,4'-DDE	0.2	(µg/L)	ND	0.017 J	ND	NA	ND	0.011 J, P	0.01 J	0.0036 J	0.0028 B, J, P	ND	ND	ND	ND	ND	0.013 J	0.019 J			
50-29-3	4,4'-DDT	0.2	(µg/L)	ND	0.0085 J, P	ND	NA	0.022 B, J, P	0.0071 J, P	0.003 J, P	0.0021 J, P	ND	ND	ND	ND	0.0026 J, P	ND	0.008 J	ND			
60-57-1	Dieldrin	0.004	(µg/L)	ND	ND	ND	NA	ND	ND	ND	ND	ND	0.0037 J, P	ND	ND	0.0097 J	ND	0.0045 B, J, P	ND			
959-98-8	Endosulfan I	NS	(µg/L)	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	0.0099 J, P	ND	0.011 J, P	ND			
33213-65-9	Endosulfan II	NS	(µg/L)	ND	ND	ND	NA	0.0079 J, P	0.0012 J, P	0.0012 J, P	ND	ND	ND	ND	ND	0.0052 J, P	ND	ND	ND			
1031-07-8	Endosulfan sulfate	NS	(µg/L)	ND	ND	0.0078 J, P	NA	0.0023 B, J, P	ND	ND	0.0032 J, P	ND	ND	ND	ND	ND	ND	ND	ND			
72-20-8	Endrin	NS	(µg/L)	ND	ND	ND	NA	0.011 J, P	ND	ND	0.011 J, P	ND	ND	ND	ND	ND	ND	ND	ND			
7421-93-4	Endrin aldehyde	5	(µg/L)	ND	ND	ND	NA	0.0096 J, P	0.0037 J	0.1 J	0.0044 J	ND	0.011 B, J, P	ND	ND	0.0081 B, J, P	ND	0.013 J	ND			
53494-70-5	Endrin ketone	5	(µg/L)	ND	ND	ND	NA	0.0075 J, P	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
76-44-8	Heptachlor	0.04	(µg/L)	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	0.0057 J	ND	ND	ND			
1024-57-3	Heptachlor epoxide	0.03	(µg/L)	ND	ND	ND	NA	0.025 J	0.0041 J, P	ND	ND	ND	0.00066 J, P	ND	ND	ND	ND	ND	ND			
72-43-5	Methoxychlor	35	(µg/L)	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.75	ND			
Total Pesticides					0.0011	0.0357	0.0188	NA	0.11	0.032	0.1179	0.0278	0.0028	0.01536	0.0091	ND	0.0604	0.0211	0.8335	0.0523		
PCBs																						
12674-11-2	Aroclor-1016	Sum of all PCBs	(µg/L)	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
53469-21-9	Aroclor-1242		(µg/L)	ND	ND	ND	NA	1.5 P	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.95 J, P			
11141-16-5	Aroclor-1232		(µg/L)	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
12672-29-6	Aroclor-1248		(µg/L)	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.77 J	ND			
Total PCBs					ND	ND	ND	NA	1.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.77	0.95		
INORGANICS																						
7429-90-5	Aluminum	NS	(µg/L)	618	935	329	NA	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			
7440-36-0	Antimony	3	(µg/L)	ND	ND	ND	NA	ND	ND	ND	1.7 B	ND	ND	ND	ND	ND	ND	ND	ND			
7440-38-2	Arsenic	25	(µg/L)	18.4	ND	16.8	NA	ND	5.3 B	ND	ND	ND	2.6 B	2.3 B	2.7 B	2.4 B	4.4 B	3.3 B	6.9 B			
7440-39-3	Barium	1,000	(µg/L)	41.3 B	40.5 B	54.1 B	NA	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			
7440-41-7	Beryllium	3 (G)	(µg/L)	ND	ND	ND	NA	0.13	ND	ND	0.31 B	ND	0.13 B	0.2 B	ND	0.1 B	ND	ND	ND			
7440-43-0	Cadmium	5	(µg/L)	ND	ND	ND	NA	0.5 B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
7440-70-2	Calcium	NS	(µg/L)	84,000	74,100	134,000	NA	456,000	153,000	58,000	151,000	139,000	208,000	134,000	112,000	307,000	196,000	156,000	109,000			
7440-47-8	Chromium	50	(µg/L)	ND	3.3 B	ND	NA	2 B	1.6 B, E	5.5 B	2.1 B	2.5 B	11.5	3.2 B, E	ND	ND	ND	ND	ND			
7440-48-4	Cobalt	NS	(µg/L)	ND	ND	ND	NA	ND	ND	1.4 B	ND	ND	ND	ND	ND	ND	ND	ND	ND			
7440-50-8	Copper	200	(µg/L)	1.8 B	3.2 B	1.2 B	NA	ND	1.8 B	6.7 B	2.6 B	3.2 B	ND	6.3 B	5.4 B	6.8 B	1.7 B	ND	ND			
7439-89-6	Iron	300	(µg/L)	774	1,070	155	NA	463	411	1,230	1,100	2,700	57,300	7,860	456	1,380	848	275	183			
7439-92-1	Lead	25	(µg/L)	2.2 B	ND	ND	NA	1.2 B	ND	ND	1.4 B	ND	ND	ND	ND	ND	ND	1.2 B	ND			
7439-95-4	Magnesium	35,000 (G)	(µg/L)	719 B	17,600	3,900 B	NA	10,700	3,640 B	7,320	11,400	14,400	45,500	13,600	10,000	3,520 B	3,090 B	3,000 B	981 B			
7439-96-5	Manganese	300	(µg/L)	55.2	525	83.1	NA	357	88.8	53.1	368	370	2,040	660	188	729	317	657	28.5			
7439-97-6	Mercury	NS	(µg/L)	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.04 B	0.18 B			
7440-02-0	Nickel	100	(µg/L)	3.7 B	2.3 B	ND	NA	ND	2.7 B, E	5.3 B	2.4 B	2.7 B	4 B	3.6 B	ND	ND	1.8 B	2.6 B	7.2 B			
7440-09-7	Potassium	NS	(µg/L)	16,600	12,600	22,900	NA	60,200	26,300	14,400	23,200 E	23,600	34,700	27,600	21,400	63,300	51,800	53,400	53,100			
7782-49-2	Selenium	10	(µg/L)	ND	ND	ND	NA	ND	5.2	ND	2.8 B	ND	2.6 B	ND	3.7 B	5 B	8.7	4.6 B	2.9 B			
7440-22-4	Silver	50	(µg/L)	0.61 B	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
7440-23-5	Sodium	20,000	(µg/L)	25,700	13,300	24,400	NA	36,400	23,600 E	8,060	13,700	18,000	64,500	26300 E	15,000	46900	45,700	48,600	53,600			
7440-28-0	Thallium	0.5 (G)	(µg/L)	ND	4.5 B	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
7440-62-2	Vanadium	NS	(µg/L)	3.2 B	3 B	2.2 B	NA	2 B	12 B, E	2.6 B	3.8 B	1.4 B	1.6 B	ND	4.4 B	2.2 B	14.6 B	3.7 B	7.4 B			
7440-66-6	Zinc	2,000 (G)	(µg/L)	13.2 B	480	14.3 B	NA	2.5 B	5.7 B	22.6	2.8 B	5.6 B	ND	48.1	2.7 B	11.8 B	ND	7 B	5.1 B			
57-12-5	Cyanide	200	(µg/L)	ND	15.9	70.5	NA	48.9	108	ND	23.6	11.1	24.5	ND	16.8	29	32.2	29.5	34.8			
Total Inorganics					128,551	120,683	185,926	NA	564,305	207,554	89,825	201,046	198,327	412,249	210,450	159,225	422,950	297,867	262,066	217,172		

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.
NA = Not analyzed/applicable
NS = No Standard
(G) = Guidance Value
ND = 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.
ID7 = 4-Methylphenol concentration is the sum of 3- and 4-Methylphenol.
CF6 = Results confirmed by reanalysis
B = Compound was found in the blank and sample.
E = Concentration exceeds method limit.
* = RPD of the LCS and LCSD exceeds the control limits
QSU = Sulfur (EPA 3660) clean-up performed on extract.



Appendix B-3

Sump Historically Detected Compounds

Cherry Farm Sump Samples Historically Detected Compounds		NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample ID: Source: SDG: Matrix: Sampled:	S-4 0603095-005A LSL-BL 6030950 Water 3/21/2006	S-4 A7E985013 TA A07-E985 Water 12/27/2007	S-4 A8E30608 TA A08-E150 Water 11/10/2008	S-4 RSI0312-04 TA RSI0296 Water 9/9/2009	S-4 RTF0860-05 TA RTF0798 Water 6/11/2010	S-4 480-2227-4 TA 480-2185 Water 3/4/2011	S-4 480-14339-4 TA 480-14339 Water 12/21/2011	S-4 480-23637-4 TA 480-23637 Water 8/8/2012	S-4 480-38452-2 TA 480-38452 Water 5/16/2013	S-4 480-56862-4 TA 480-38452 WATER 3/28/2014	S-4 480-70664-6 TA 480-38452 WATER 11/4/2014	S-4 480-83621-7 TA 480-83621 WATER 7/9/2015	S-4 480-101880-5 TA 480-101880 WATER 6/17/2016	S-4 480-114997-4 TA 480-114997 WATER 3/23/2017	S-4 480-125448-1 TA 480-125448 WATER 10/4/2017
CAS NO.	COMPOUND		UNITS:															
				VOLATILES														
67-64-1	Acetone	50 (G)	(µg/L)	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.1 J	ND	3.0 J	ND
71-43-2	Benzene	1	(µg/L)	0.9 J	ND	ND	0.87 J	0.68 J	0.49 J	0.71 J	0.96 J	0.76 J	0.86 J	0.97 J	ND	1.4	ND	2.2
75-15-0	Carbon disulfide	60 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
75-34-3	1,1-Dichloroethane	5	(µg/L)	1 J	ND	ND	1.3	1.2	1.7	1.4	1.8	1.5	1.4	1.2	ND	1.2	1.2	1.6
156-59-2	cis-1,2-Dichloroethene	5	(µg/L)	2 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-
156-60-5	trans-1,2-Dichloroethene	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-
540-59-0	1,2-Dichloroethene (total)	NS	(µg/L)	ND	ND	ND	1.9 J	1.4 J	0.96 J	1.4 J	1.7 J	1.5 J	1.7 J	1.8 J	ND	3.3	2.1	3.5
100-41-4	Ethylbenzene	5	(µg/L)	ND	ND	ND	1.5	1.2	0.93 J	1.1	1.2	1.2	1.4	0.96 J	ND	1.6	ND	0.92 J
108-10-1	4-Methyl-2-pentanone	NS	(µg/L)	1 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
75-09-2	Methylene chloride	5	(µg/L)	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
127-18-4	Tetrachloroethene	5	(µg/L)	0.5 J	ND	ND	0.72 J	0.71 J	0.63 J	0.81 J	0.98 J	0.90 J	1.0	0.91 J	ND	0.36 J	ND	ND
108-88-3	Toluene	5	(µg/L)	2 J	ND	ND	1.4	1.2	1.0	1.3	1.1	1.2	1.5	0.97 J	ND	1.1	ND	ND
79-01-6	Trichloroethene	5	(µg/L)	0.8 J	ND	ND	0.70 J	0.55 J	0.49 J	0.63 J	0.73 J	0.87 J	0.81 J	0.63 J	0.47 J	0.77 J	0.46 J	ND
75-01-4	Vinyl chloride	2	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1330-20-7	Xylene (total)	5	(µg/L)	12	ND	ND	9.7	6.9	5.5	6.5	6.7	7.0	8.9	5.9	1.2 J	10	ND	7.4
Total VOCs				24.2	ND	ND	18.09	13.84	11.7	13.85	15.17	14.93	17.57	13.34	4.77	19.73	6.76	15.62
				SEMIVOLATILES														
83-32-9	Acenaphthene	20 (G)	(µg/L)	ND	ND	0.2 J	ND	0.93 J	1.1 J	1.2 J	1.5 J	0.94 J	1.3 J	2.1 J	0.42 J	0.47 J	ND	ND
208-96-8	Acenaphthylene	NS	(µg/L)	ND	ND	0.2 J	ND	0.46 J	0.62 J	0.68 J	0.70 J	0.43 J	0.81 J	1.6 J	ND	ND	ND	ND
120-12-7	Anthracene	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	0.93 J	ND	ND	ND	ND	ND	ND	ND
50-32-8	Benzo[a]pyrene	NS	(µg/L)	1 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
205-99-2	Benzo[b]fluoranthene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.65 J	ND	ND	ND	ND
117-81-7	bis(2-Ethylhexyl)phthalate	5	(µg/L)	2 J	ND	ND	ND	ND	2.5 J B	ND	ND	ND	ND	3.4 J	ND	ND	ND	ND
85-68-7	Butyl benzyl phthalate	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.70 J B	ND	ND	ND	ND	ND
86-74-8	Carbazole	NS	(µg/L)	1 J	ND	0.5 J	1.3 J	1.1 J	1.1 J	1.4 J	1.3 J	0.86 J	1.4 J	2.4 J	0.30 J	0.34 J	ND	ND *
59-50-7	4-Chloro-3-methylphenol	1	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.0 J	ND	ND	ND
84-74-2	Di-n-butyl phthalate	50	(µg/L)	ND	0.3 B, J	0.5 J B	ND	0.35 J	0.80 J B	ND	ND	0.51 J	ND	0.44 J	0.71 J	ND	0.45 J	0.37 J
117-84-0	Di-n-octyl phthalate	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.5 J	ND	ND	ND	ND
132-64-9	Dibenzofuran	NS	(µg/L)	ND	ND	ND	ND	ND	0.57 J	0.58 J	0.75 J	0.53 J	ND	1.5 J	ND	ND	ND	ND
95-50-1	1,2-Dichlorobenzene	3	(µg/L)	ND	ND	ND	ND	0.48 J, B	ND	ND	ND	0.85 J	ND	ND	ND	ND	ND	ND
541-73-1	1,3-Dichlorobenzene	3	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	0.51 J	0.79 J	ND	ND	ND	ND	ND
106-46-7	1,4-Dichlorobenzene	3	(µg/L)	1 J	ND	ND	ND	ND	0.47 J	ND	ND	1.9 J	0.93 J	ND	ND	ND	ND	ND
84-66-2	Diethyl phthalate	50 (G)	(µg/L)	ND	ND	0.6 J B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.28 J
131-11-3	Dimethyl phthalate	50 (G)	(µg/L)	ND	ND	ND	ND	ND	0.77 J	ND	ND	1.9 J	ND	1.9 J	3.1 J	ND	ND	1.4 J *
105-67-9	2,4-Dimethylphenol	1	(µg/L)	46	ND	6	21	5.5	4.8 J	21	18	28	41	20	4.9	32	ND	ND
206-44-0	Fluoranthene	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	0.73 J	ND	ND	ND	ND	ND	ND	ND
86-73-7	Fluorene	50 (G)	(µg/L)	ND	ND	0.3 J	ND	ND	1.0 J *	0.77 J	1.3 J	0.78 J	1.1 J	2.0 J	0.43 J	0.42 J	ND	ND
91-57-6	2-Methylnaphthalene	NS	(µg/L)	3 J	ND	0.6 J B	1.5 J	1.3 J	2.5 J	3.0 J	2.7 J	2.8 J	4.3 J	2.6 J	ND	ND	ND	ND
95-48-7	2-Methylphenol	1	(µg/L)	14	ND	1 J	7.4	4.3 J	5.9	12	13	9.4	11	6.5	0.63 J	12	0.87 J	ND
106-44-5	4-Methylphenol	1	(µg/L)	22	ND	1 J	11 ID7	7.8 J	11	22	24	19	18	9.5	ND	27	ND	ND
91-20-3	Naphthalene	10 (G)	(µg/L)	15	ND	1 J B	4.3 J	1.8 J	8.0	11	9.9	12	18	8.7	ND	3.6 J	ND	ND
85-01-8	Phenanthrene	50 (G)	(µg/L)	ND	ND	0.3 J B	ND	0.57 J	0.74 J	ND	0.95 J	0.74 J	0.94 J	1.7 J	ND	0.71 J	ND	ND
108-95-2	Phenol	1	(µg/L)	2 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
129-00-0	Pyrene	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	0.53 J	ND	ND	ND	ND	ND	ND	ND
120-82-1	1,2,4-Trichlorobenzene	5	(µg/L)	ND	ND	ND	ND	ND	ND	0.52 J	ND	0.54 J	0.90 J	ND	ND	ND	ND	ND
95-95-4	2,4,5-Trichlorophenol	NS	(µg/L)	ND	ND	ND	ND	ND	ND	0.66 J	ND	0.52 J	ND	ND	ND	ND	ND	ND
Total SVOCs				107	0.3	3.6	51.4	24.59	40.63	76.05	76.29	82.21	101.17	67.49	11.49	76.54	1.32	2.05

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Appendix B-3

Sump Historically Detected Compounds

Cherry Farm Sump Samples		NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID:	S-4	S-4	S-4	S-4	S-4	S-4	S-4	S-4	S-4	S-4	S-4	S-4	S-4	S-4	S-4	
Historically Detected Compounds			Lab Sample ID:	0603095-005A	A7E985013	A8E30608	RSI0312-04	RTF0860-05	480-2227-4	480-14339-4	480-23637-4	480-38452-2	480-56862-4	480-70664-6	480-83621-7	480-101880-5	480-114997-4	480-125448-1	
			Source:	LSL-BL	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	
			SDG:	6030950	A07-E985	A08-E150	RSI0296	RTF0798	480-2185	480-14339	480-23637	480-38452	480-38452	480-38452	480-38452	480-83621	480-101880	480-114997	480-125448
			Matrix:	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
			Sampled:	3/21/2006	12/27/2007	11/10/2008	9/9/2009	6/11/2010	3/4/2011	12/21/2011	8/8/2012	5/16/2013	3/28/2014	11/4/2014	7/9/2015	6/17/2016	3/23/2017	10/4/2017	
CAS NO.	COMPOUND		UNITS:																
PESTICIDES																			
309-00-2	Aldrin	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.019 J	ND	ND	ND	ND	ND	
319-84-6	alpha-BHC	0.01	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.012 J B	0.014 J	ND	0.0097 J	ND	
319-85-7	beta-BHC	0.04	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
319-86-8	delta-BHC	0.04	(µg/L)	ND	ND	0.039 B, J	ND	ND	ND	ND	ND	0.076	0.070	0.064	ND	0.014 J	0.021 J	ND	
58-89-9	gamma-BHC (Lindane)	0.05	(µg/L)	0.018 J, P	0.030 J	0.042 J	0.041 J	0.028 QSU, J	ND	ND	ND	0.025 J	0.019 J	0.053	0.016 J	0.019 J	ND	0.028 J	
5103-71-9	alpha-Chlordane	0.05	(µg/L)	ND	0.011 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
5103-74-2	gamma-Chlordane	0.05	(µg/L)	ND	ND	0.034 J	0.012 J	0.012 QSU, J	ND	ND	ND	0.013 J	ND	ND	ND	ND	0.011 J	ND	
72-54-8	4,4'-DDT	0.3	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.011 J	ND	
72-55-9	4,4'-DDE	0.2	(µg/L)	ND	0.039 J	0.048 J	0.021 J	0.018 QSU, J	ND	ND	ND	0.023 J	ND	ND	ND	ND	ND	ND	
50-29-3	4,4'-DDT	0.2	(µg/L)	ND	0.046 J	0.040 J	ND	ND	ND	ND	ND	0.022 J	ND	ND	ND	ND	ND	ND	
60-57-1	Dieldrin	0.004	(µg/L)	0.0027 J	ND	ND	ND	ND	ND	ND	ND	0.011 J	ND	ND	ND	ND	ND	ND	
959-98-8	Endosulfan I	NS	(µg/L)	ND	ND	0.064	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.043 J	ND	
33213-65-9	Endosulfan II	NS	(µg/L)	ND	ND	0.019 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.10	ND	
1031-07-8	Endosulfan sulfate	NS	(µg/L)	0.0063 J, P	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
72-20-8	Endrin	NS	(µg/L)	ND	ND	0.029	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
7421-93-4	Endrin aldehyde	5	(µg/L)	0.0068 J, P	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
53494-70-5	Endrin ketone	5	(µg/L)	0.0023 J, P	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
76-44-8	Heptachlor	0.04	(µg/L)	ND	0.019 J	0.031 J	ND	0.011 QSU, J	0.024 J	ND	ND	0.022 J	0.018 J	0.010 J	ND	ND	0.049 J	ND	
1024-57-3	Heptachlor epoxide	0.03	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
72-43-5	Methoxychlor	35	(µg/L)	0.018 J, P	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Total Pesticides				0.0541	0.145	0.346	0.074	0.069	0.024	ND	ND	0.192	0.126	0.139	0.030	0.033	0.245	0.028	
PCBs																			
12674-11-2	Aroclor-1016	(µg/L)	0.96 J	ND	ND	ND	ND	2.0 QSU	2.6	2.7	1.7	ND	1.9	ND	ND	ND	ND	ND	
53469-21-9	Aroclor-1242	Sum of all PCBs	(µg/L)	ND	0.46 J	1.4	3.5	ND	ND	ND	ND	2.2	ND	ND	ND	ND	ND	0.73	
11141-16-5	Aroclor-1232	< 0.09	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.6	1.7	0.79	4.4	ND	
12672-29-6	Aroclor-1248	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Total PCBs				0.96	0.46	1.4	3.5	2.0	2.6	2.7	1.7	2.2	1.9	7.6	1.7	0.79	4.4	0.73	
INORGANICS																			
7429-90-5	Aluminum	NS	(µg/L)	125 B	1,920	42.4 B	316 B	532 CF6	620	460	500	460	400	570	120 J	350	ND	ND	
7440-36-0	Antimony	3	(µg/L)	3.1 B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
7440-38-2	Arsenic	25	(µg/L)	11.1	7.3 B	4.6 B	9.4 J	ND	ND	ND	8.8 J	6.1 J	ND	ND	8.2 J	ND	ND	ND	
7440-39-3	Barium	1,000	(µg/L)	13.7 B	19.3	9.6	19.3	20.8 CF6	22	30	23 B	30	31	32	40	45	85	110	
7440-41-7	Beryllium	1 (G)	(µg/L)	ND	0.49 B	0.52 B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
7440-43-9	Cadmium	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
7440-70-2	Calcium	NS	(µg/L)	114,000	34,800	54,000	121,000 B	107,000	89,200 B	98,000 B	93,200	111,000	98,100	96,000	140,000	70,000 B	201,000	445,000	
7440-47-8	Chromium	50	(µg/L)	ND	2.5 B	1.6 B	1.2 J	ND	1.0 J	13	ND	ND	1.2 J	ND	1.1 J	ND	ND	3.5 J	
7440-48-4	Cobalt	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.8	
7440-50-8	Copper	200	(µg/L)	ND	4.5 B	13.0	17.6	ND	ND	ND	2.2 J	ND	ND	ND	3.5 J	ND	4.8 J	22	
7439-89-6	Iron	300	(µg/L)	473	1,110	86.6	370	82	71	370	720	130	22 J	96	520	200	370	7,800	
7439-92-1	Lead	25	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.8 J	ND	ND	3.8 J	3.4 J	
7439-95-4	Magnesium	35,000 (G)	(µg/L)	708 B	4,640	2,760	1,010	757	240	1,000	970	900	410	1,500	5,800	310	6,900	16,900	
7439-96-5	Manganese	300	(µg/L)	28.5 E	32.2	4.2	66.4	14.9 CF6	5.5	27	100	49 B	2.2 J	47	180 B	9.7	86	1,600 B	
7439-97-6	Mercury	0.7	(µg/L)	0.21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
7440-02-0	Nickel	100	(µg/L)	2.4 B	8.7 B	4.0 B	4.5 J	ND	2.0 J	8.5 J	ND	1.3 J	1.8 J	ND	ND	1.6 J	16	310	
7440-09-7	Potassium	NS	(µg/L)	54,400	11,500	34,500	50,800	52,900	55,800	51,300	51,200	59,100	66,600	61,800	53,700	57,400	87,200	91,600	
7782-49-2	Selenium	10	(µg/L)	3.8 B	10.0 B	ND	ND	ND	12 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	
7440-22-4	Silver	50	(µg/L)	ND	1.3 B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
7440-23-5	Sodium	20,000	(µg/L)	52,400	5,140	24,700	50,500	53,500	51,900	51,000	50,400	57,000	59,000	58,000	48,800	116,000	101,000	115,000	
7440-28-0	Thallium	0.5 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
7440-62-2	Vanadium	NS	(µg/L)	9.2 B	8.4	6.7	4.6 J	5.0	67	22	11	11	5.6	10	3.5 J	7.7	1.6 J	1.7 J	
7440-66-6	Zinc	2,000 (G)	(µg/L)	3.9 B	15.5	81.4	250	2.3 J	2.2 J	2.9 J	3.6 J	ND	1.8 J	2.4 J B	33	8.8 J B	110 B	43	
57-12-5	Cyanide	200	(µg/L)	24.2	ND	ND	6.3 J	16.7	ND	37	ND	26	7.0 J	13 B	11	53	31	33	
Total Inorganics				169,803	59,220	116,215	224,375	214,831	197,943	202,270	197,139	228,713	224,583	218,075	249,220	244,386	396,808	678,432	

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.
NA = Not analyzed/applicable
NS = No Standard
(G) = Guidance Value
ND = 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.
ID7 = 4-Methylphenol concentration is the sum of 3- and 4-Methylphenol.
CF6 = Results confirmed by reanalysis
B = Compound was found in the blank and sample.
E = Concentration exceeds method limit.
* = RPD of the LCS and LCSD exceeds the control limits
QSU = Sulfur (EPA 3660) clean-up performed on extract.



Appendix B-4 – Historically Detected Compounds (Surface Water, 1997-2007)

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 ID: Source: SDG: Matrix: Sampled:	SW-1 G5192	SW-1 H0921	SW-1 H7401	SW-1 M0192	SW-1 A9751102	SW-1 R7147
CAS NO.	COMPOUND		UNITS:						
VOLATILES									
67-64-1	Acetone	50 (G)	(µg/L)	U	U	U	U	U	U
75-15-0	Carbon disulfide	60 (G)	(µg/L)	U	U	U	5 J	U	U
75-09-2	Methylene chloride	5	(µg/L)	U	U	U	U	U	U
1330-20-7	Xylene (total)	5	(µg/L)	U	U	U	U	U	2 J
Total VOCs				ND	ND	ND	5	ND	2
SEMIVOLATILES									
117-81-7	bis(2-Ethylhexyl)phthalate	5	(µg/L)	U	U	1 J	U	U	4 J
84-74-2	Di-n-butyl phthalate	50	(µg/L)	U	U	U	U	U	U
Total SVOCs				ND	ND	1	ND	ND	4
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
319-85-7	beta-BHC	0.04	(µg/L)	U	U	U	U	U	0.0087 J, P
319-86-8	delta-BHC	0.04	(µg/L)	U	U	U	U	U	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
72-55-9	4,4'-DDE	0.2	(µg/L)	0.021 J	0.0019 J, P	0.0032 J, P	U	U	U
50-29-3	4,4'-DDT	0.2	(µg/L)	0.1 J, P	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
33213-65-9	Endosulfan II	NS	(µg/L)	U	0.0059 J	U	0.00052 J, P	U	U
1031-07-8	Endosulfan sulfate	NS	(µg/L)	U	U	0.001 J, P	0.0018 J, P	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
7421-93-4	Endrin aldehyde	5 (G)	(µg/L)	U	0.0059 J, P	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
5103-74-2	gamma-Chlordane		(µg/L)	U	U	0.0026 J, P	0.0048 J, P, B	U	U
72-43-5	Methoxychlor	35	(µg/L)	U	U	U	U	U	0.061 J, P, B
Total Pesticides				0.1263	0.0228	0.012	0.01894	ND	0.0858
PCBs									
None Detected									
Total SVOCs				ND	ND	ND	ND	ND	ND
INORGANICS									
7429-90-5	Aluminum	NS	(µg/L)	263	2630	73.6 B	153 B	315	380 E
7440-36-0	Antimony	3	(µg/L)	U	U	2.9 B	8.3 B	U	3.4 B
7440-38-2	Arsenic	25	(µg/L)	U	U	7.2 B	5.2 B	8.9 B	5 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
7440-41-7	Beryllium	3 (G)	(µg/L)	U	0.08 B	U	U	U	0.27 B
7440-70-2	Calcium	NS	(µg/L)	34600	68900	134000	189000	152000	125000
7440-47-8	Chromium	50	(µg/L)	2.6 B	7.4 B	U	8.7 B	U	10.3
7440-48-4	Cobalt	5	(µg/L)	U	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
7439-89-6	Iron	300	(µg/L)	300	2030	352	223	282	473
7439-92-1	Lead	50	(µg/L)	U	10.2	U	U	U	2.3 B
7439-95-4	Magnesium	35000 (G)	(µg/L)	11000	19200	57900	53200	40400	29800
7439-96-5	Manganese	300	(µg/L)	6.4 B	70.5	220	71.6	39.8	93
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
7440-02-0	Nickel	100	(µg/L)	4330 B	9890	76900	66300	46700	29200 E
7440-09-7	Potassium	NS	(µg/L)	4.4 B	U	U	U	9.8	2.4 B
7782-49-2	Selenium	10	(µg/L)	U	U	U	U	U	U
7440-22-4	Silver	50	(µg/L)	6090	30400	134000	133000	79400	93600
7440-23-5	Sodium	20000	(µg/L)	6090	30400	134000	133000	79400	93600
7440-62-2	Titanium	NS	(µg/L)	1.2 B	6.4 B	1.2 B	9.9 B	U	2.9 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
57-12-5	Cyanide	200	(µg/L)	U	U	U	U	U	U
Total Inorganics				62,711	163,620	537,495	575,061	398,631	372,231

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-1 Historically Detected Compounds

Cherry Farm Surface Water Historically Detected Compounds		NYSDEC Class A Surface Water Standards/ Guideline Values	Sample ID: Lab Sample ID: Source: SDG: Matrix: Sampled:	SW-1 T7110	SW-1 Z7446	SW-1 B4289	SW-1 E1194	SW-1 0603095-001A	SW-1 A7E985015
CAS NO.	COMPOUND		UNITS:						
VOLATILES									
67-64-1	Acetone	50 (G)	(µg/L)	U	2 J, B	U	4 J, B	2 J, B	U
75-15-0	Carbon disulfide	60 (G)	(µg/L)	U	U	U	U	U	U
75-09-2	Methylene chloride	5	(µg/L)	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	U
	Total VOCs			0.6	2.8	2	4.7	3	ND
SEMIVOLATILES									
117-81-7	bis(2-Ethylhexyl)phthalate	5	(µg/L)	U	U	U	U	U	U
84-74-2	Di-n-butyl phthalate	50	(µg/L)	U	U	U	U	U	0.3 J, B
	Total SVOCs			ND	ND	ND	ND	ND	0.3
PESTICIDES									
319-84-6	alpha-BHC	0.01	(µg/L)	U	U	U	U	U	U
319-85-7	beta-BHC	0.04	(µg/L)	U	U	0.02 J	U	U	U
319-86-8	delta-BHC	0.04	(µg/L)	U	U	U	U	0.0017 J, P, B	U
72-54-8	4,4'-DDD	0.3	(µg/L)	U	U	U	U	0.0019 J, P	U
72-55-9	4,4'-DDE	0.2	(µg/L)	U	U	U	U	U	U
50-29-3	4,4'-DDT	0.2	(µg/L)	U	U	U	U	U	U
60-57-1	Dieldrin	0.004	(µg/L)	0.0016 J, P, B	U	U	U	0.0027 J, P	U
33213-65-9	Endosulfan II	NS	(µg/L)	U	U	U	U	U	U
1031-07-8	Endosulfan sulfate	NS	(µg/L)	U	U	U	U	U	U
72-20-8	Endrin	0.05	(µg/L)	U	U	U	U	U	U
7421-93-4	Endrin aldehyde	5 (G)	(µg/L)	0.01 J, P, B	U	U	U	U	U
58-89-9	gamma-BHC (Lindane)	0.05	(µg/L)	U	U	U	U	U	U
5103-74-2	gamma-Chlordane		(µg/L)	U	U	U	0.0033 J, P, B	0.0042 J, P	U
72-43-5	Methoxychlor	35	(µg/L)	U	U	U	U	U	U
	Total Pesticides			0.0116	ND	0.02	0.0033	0.0105	ND
PCBs									
	None Detected								
	Total SVOCs			ND	ND	ND	ND	ND	ND
INORGANICS									
7429-90-5	Aluminum	NS	(µg/L)	127 B	157 B	152 B	528	72.6 B	1180
7440-36-0	Antimony	3	(µg/L)	U	U	2.6 B	U	2.7 B	U
7440-38-2	Barium	25	(µg/L)	5.3 B	6.3 B	3.4 B	8.3 B	4.6 B	8.8 B
7440-39-3	Beryllium	1000	(µg/L)	46.1 B	34.5 B	40.6 B	46.1 B	45 B	40.5
7440-41-7	Beryllium	3 (G)	(µg/L)	0.1 B	U	U	U	U	0.47 B
7440-70-2	Calcium	NS	(µg/L)	192000	138000	152000	137000	146000	132000
7440-47-8	Chromium	50	(µg/L)	7.6 B	6 B	4.1 B	4.4 B	2.9 B	2.8 B
7440-48-4	Cobalt	5	(µg/L)	1.1 B	U	U	U	U	U
7440-50-8	Copper	200	(µg/L)	1.9 B	3.2 B	U	1.1 B	1.5 B	U
7439-89-6	Iron	300	(µg/L)	305	239	188	1070	81.9 B	172
7439-92-1	Lead	50	(µg/L)	U	U	U	2 B	U	U
7439-95-4	Magnesium	35000 (G)	(µg/L)	56300	38900	38400	48800	41000	31900
7439-96-5	Manganese	300	(µg/L)	48.7	12.8 B	7.8 B	541	8.3 B, E	8.9
7439-97-6	Mercury	0.7	(µg/L)	4.7 B	U	1.5 B	0.04 B	0.011 B	U
7440-02-0	Nickel	100	(µg/L)	59600	28800	28500	4.2 B	2.2 B	U
7440-09-7	Potassium	NS	(µg/L)	2.6 B	3.3 B	3.8 B	50800	32600	24400
7782-49-2	Selenium	10	(µg/L)	U	1.5 B	U	U	3.6 B	10.3 B
7440-22-4	Silver	50	(µg/L)	99300	82700	67700	U	U	U
7440-23-5	Sodium	20000	(µg/L)	99300	82700	67700	106000	112000	92200
7440-62-2	Vanadium	NS	(µg/L)	2.7 B	4.3 B	2.3 B	3.4 B	U	3.4 B
7440-66-6	Zinc	2000 (G)	(µg/L)	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	3.6 B	U
	Total Inorganics			507,069	371,583	354,711	344,821	178,744	281,933

Notes:

NYSDEC June 1998 Ambient Water Quality Standards and Guidance Values for C
Bold and shaded values exceed the NYSDEC Class GA groundwater standard/gu
NS = No Standard

(G) = Guidance Value

U = Indicates compound was analyzed for, but not detected at or above the report

B (organics) = The analyte was found in the associated blank, as well as in the sam

J or B (inorganics) = Indicates a value greater than or equal to the instrument dete

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 ID: 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	50 (G)	(µg/L)				
	Acetone			2 J	U	U	U
	Total VOCs			2	ND	ND	ND
	SEMIVOLATILES						
	None Detected						
	Total SVOCs			ND	ND	ND	ND
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	0.022 (G) 0.01 0.04 0.04 0.3 0.2 0.2 0.004 NS NS 0.2 5 (G) 0.05 0.05 35	(µg/L)				
	Aldrin			U	U	U	0.0017 J, P
	alpha-BHC			U	U	U	U
	beta-BHC			U	U	U	U
	delta-BHC			U	U	U	U
	4,4'-DDD			U	U	0.0015 J, P	0.0014 J, P
	4,4'-DDE			0.0043 J, P	U	U	U
	4,4'-DDT			0.0014 J, P	U	U	U
	Dieldrin			U	U	0.0064 J, P	U
	Endosulfan II			U	U	0.0013 J, P	U
	Endosulfan sulfate			U	U	0.0021 J, P	U
	Endrin			U	U	0.0018 J, P	U
	Endrin aldehyde			U	U	0.0016 J, P	U
	gamma-BHC (Lindane)			U	U	U	U
	gamma-Chlordane			U	U	U	U
	Methoxychlor			U	0.012 J	U	U
	Total Pesticides			0.0057	0.012	0.0147	0.0031
	PCBs						
	None Detected						
	Total PCBs			ND	ND	ND	ND
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 7440-66-6 57-12-5	INORGANICS	NS 25 100 NS 50 200 300 50 35000 (G) 300 0.7 100 NS 10 50 20000 2000 (G) 200	(µg/L)				
	Aluminum			687	358	271	203
	Arsenic			U	U	5 B	5.1 B
	Barium			20 B	25.8 B	44.3 B	35.5 B
	Calcium			38100	131000	153000	130000
	Chromium			3 B	8.1 B	5.3 B, E	7.1 B
	Copper			5.3 B	2.9 B	4 B	3.1 B
	Iron			1080	559	379	291
	Lead			4.6	U	U	U
	Magnesium			10200	31800	38700	40300
	Manganese			25.1	56	18.5	23.4
	Mercury			2.3 B	3 B	3.9 B, E	U
	Nickel			1040 B	24700	39200	31000
	Potassium			U	4.2 B	3.9 B	U
	Selenium			0.9 B	U	U	U
	Silver			3980 B	95400	84600 E	89800
	Sodium			3980 B	95400	84600 E	89800
	Vanadium			2.2 B	3.5 B	3.5 B, E	2.6 B
	Zinc			26.2	12.1 B	41.2	14 B
	Cyanide			U	138	U	U
	Total Inorganics			59,157	379,471	400,880	381,485

Notes:

NYSDEC June 1998 Ambient Water Quality Standards and Guidance Values for Groundwater Class GA.

Bold and shaded values exceed the NYSDEC standard/guidance value.

NS = No Standard

(G) = Guidance Value

U = Indicates compound was analyzed for, but not detected at or above the reporting 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

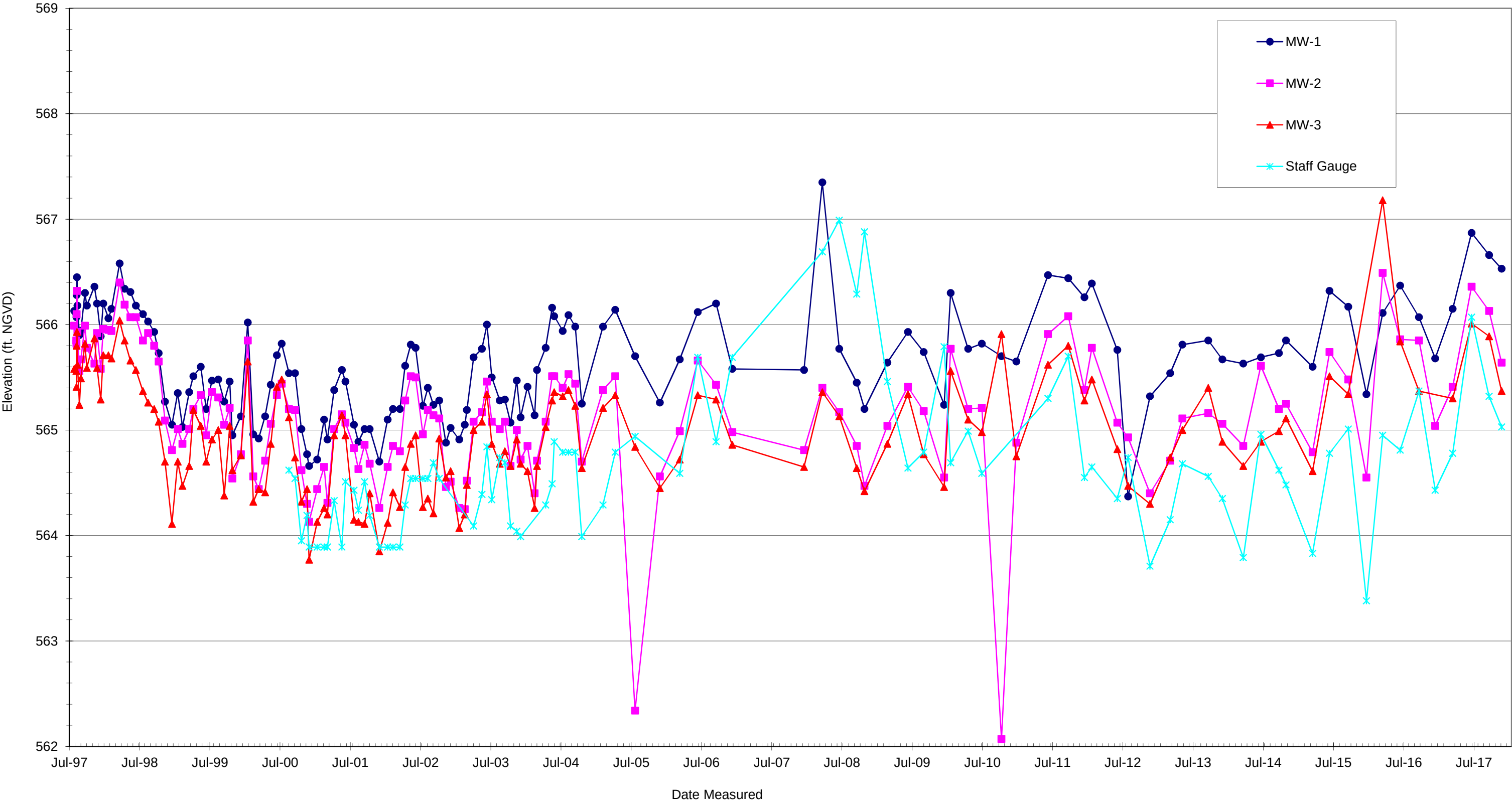


Appendix B-5 – Historical Hydrographs (Monitoring Wells, 1997-2017)



Appendix B-5

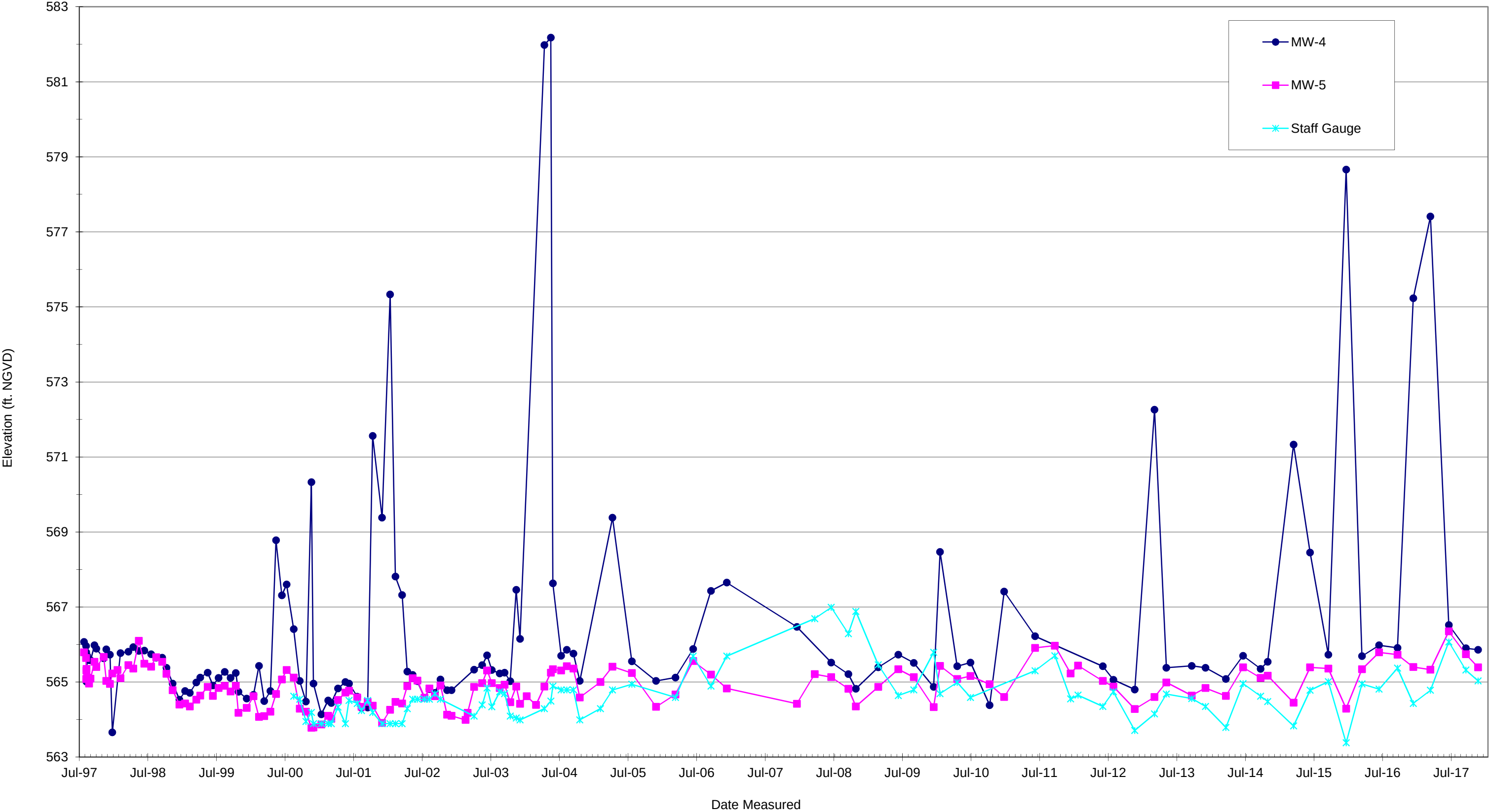
Historical Hydrograph MW-1, MW-2, MW-3, and Staff Gauge





Appendix B-5

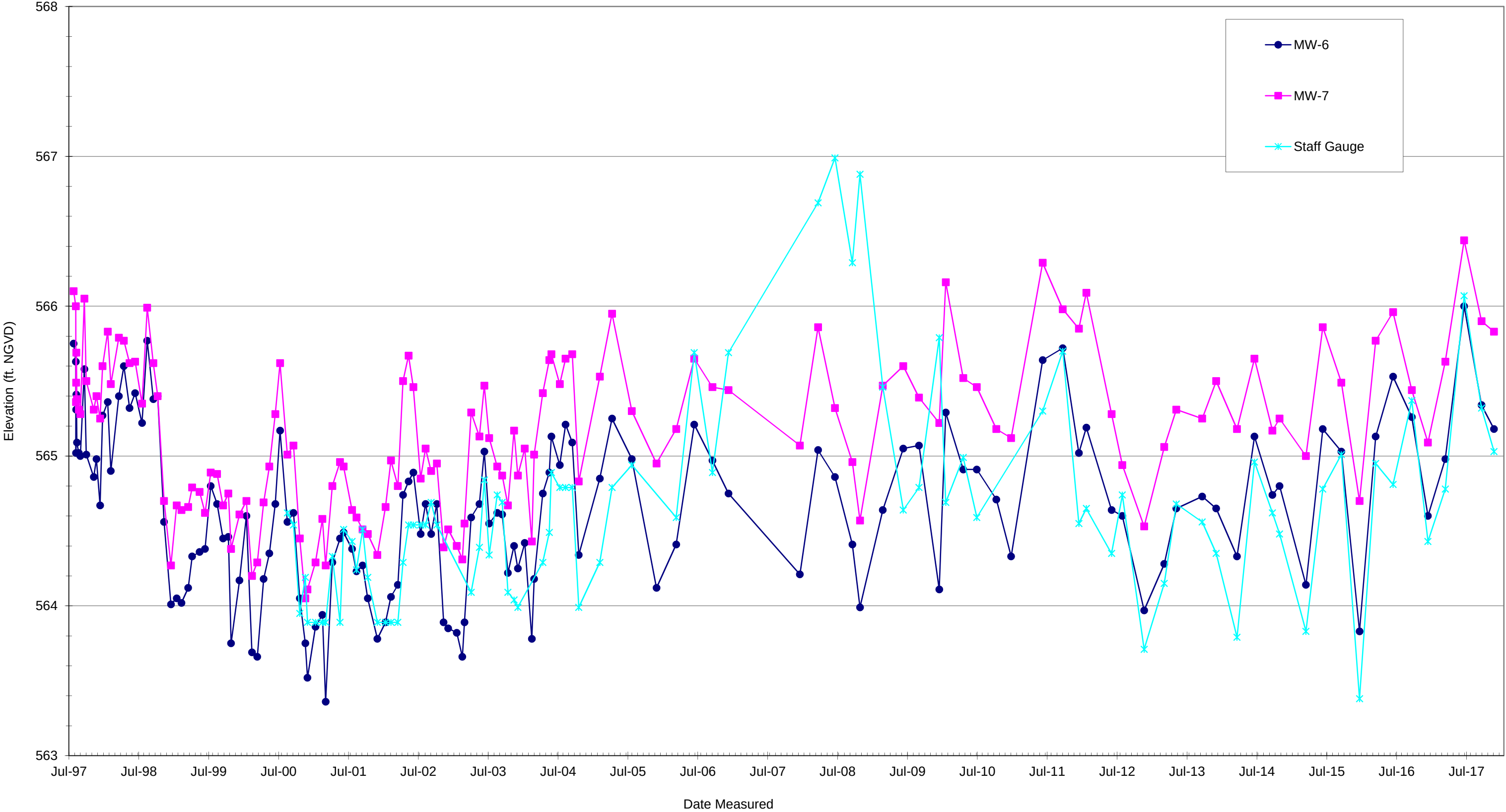
Historical Hydrograph MW-4, MW-5, and Staff Gauge





Appendix B-5

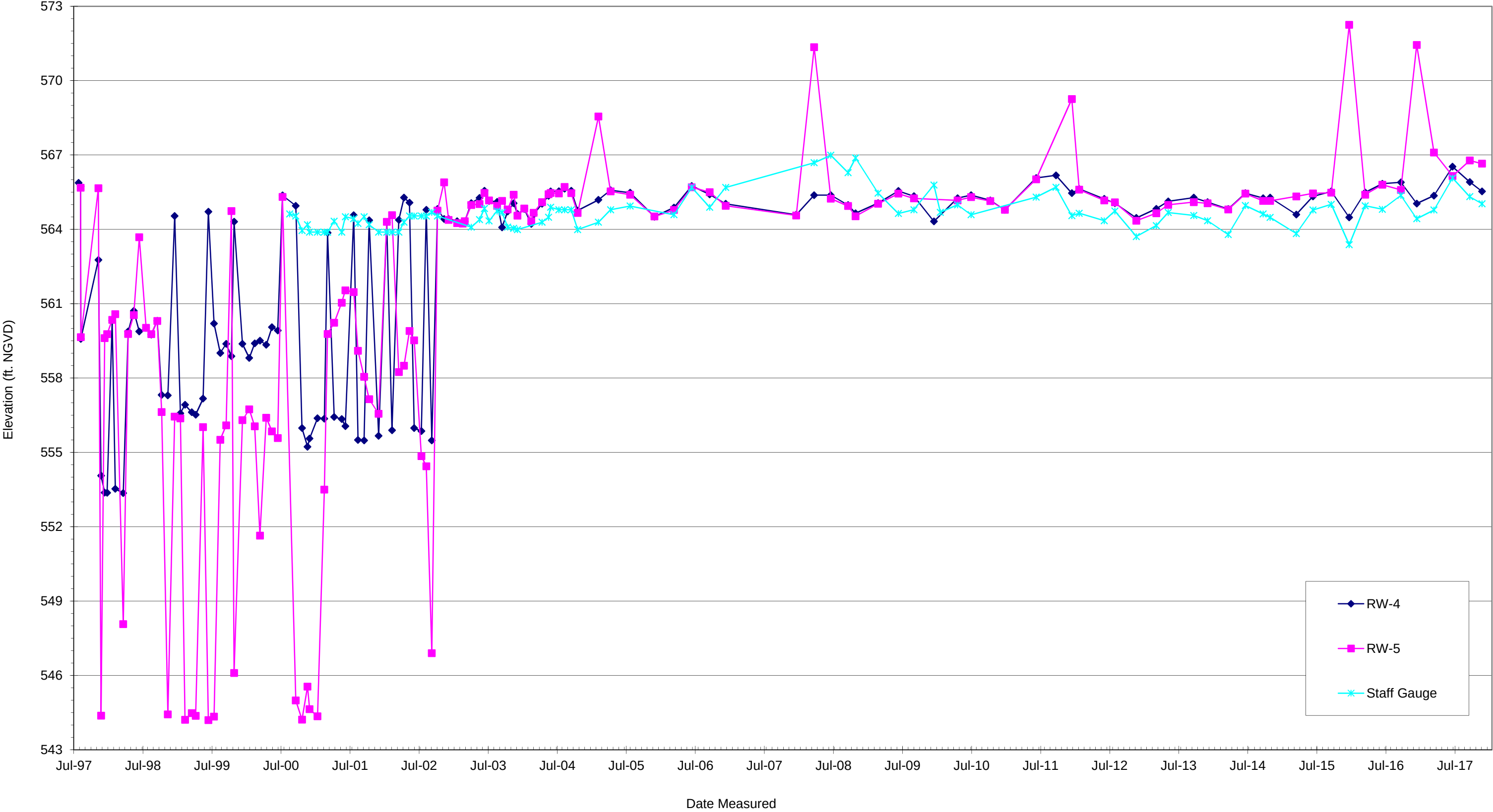
Historical Hydrograph MW-6, MW-7, and Staff Gauge





Appendix B-5

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



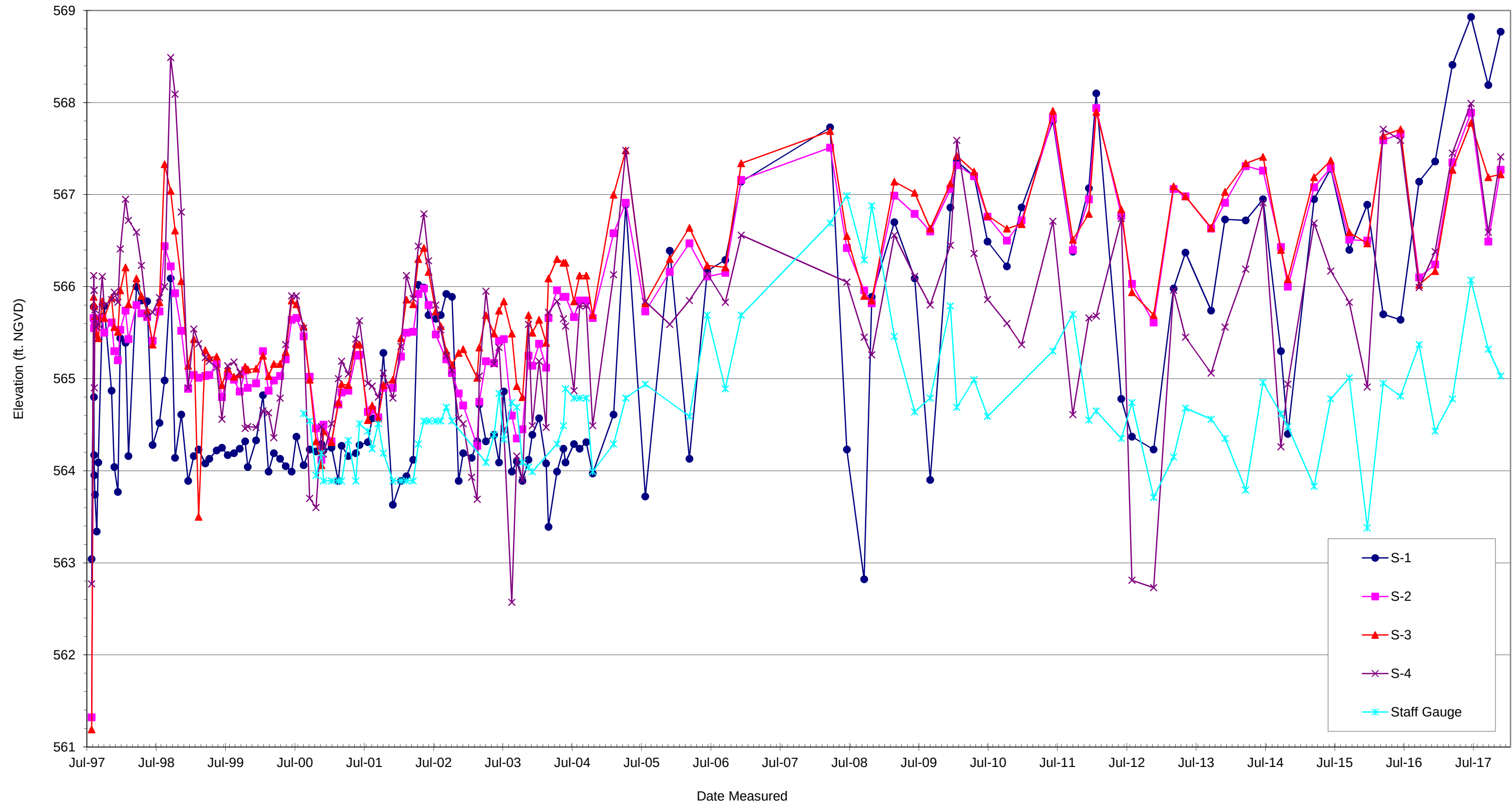


Appendix B-6 – Historical Hydrographs (Sumps and Observation Wells, 1997-2017)



Appendix B-6

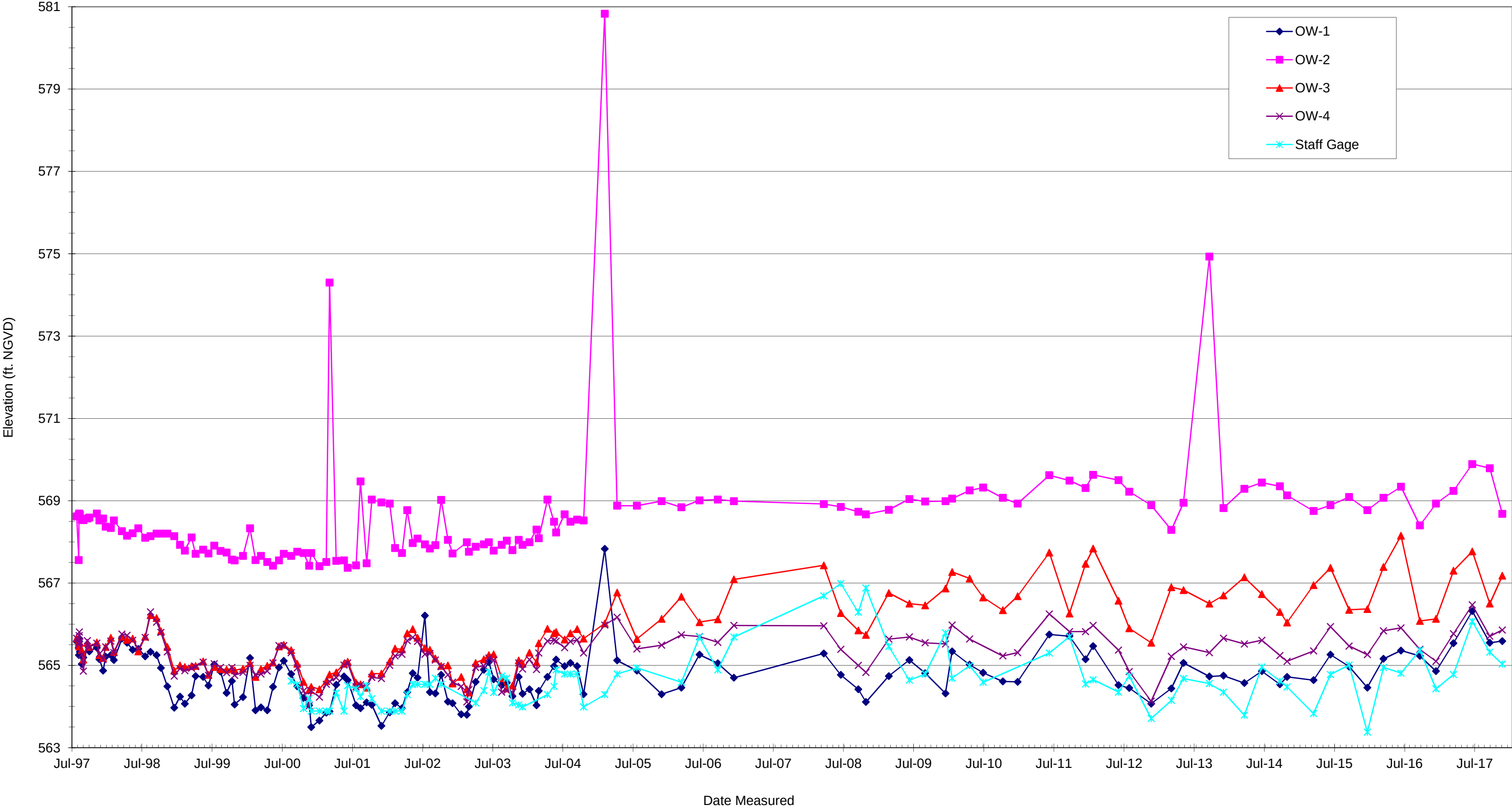
Historical Hydrograph S-1, S-2, S-3, S-4, and Staff Gauge





Appendix B-6

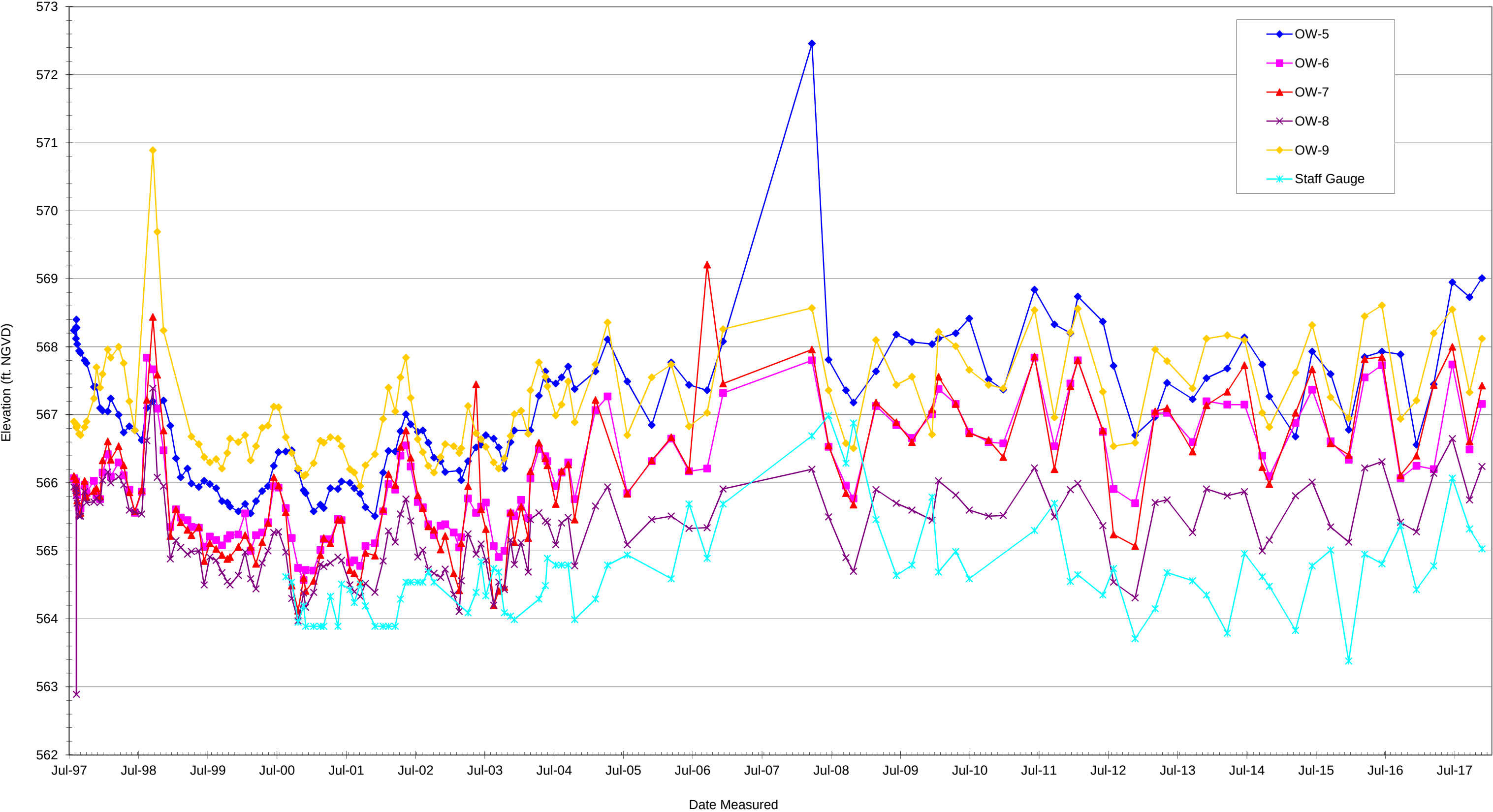
Historical Hydrograph OW-1, OW-2, OW-3, OW-4, and Staff Gauge





Appendix B-6

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





Appendix C – March and October 2017 Groundwater Sampling Logs

WELL SAMPLING RECORD

Site Name Cherry Farms Well ID MW-4

Samplers Mike Reisch

Total Well Depth (TOC)	49.83	feet
Initial Static Water Level (TOC)	12.78	feet
Well Diameter	2.0	inches

Purging Data

Method Bailer Date/Time 3/22/2017 10:00

Well depth	DTW	Casing Vol. per foot	Water Volume
49.83	12.78	0.16	5.93

gallons

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

Volume of Purge Water Removed 18 gallons

Sampling Data

Method Grab Date/Time 3/22/2017 14:00

Parameters	Bottle	Preservation	Method
VOC	3x 40 ml	1:1 HCl	Grab
SVOC	2x 250 mL	None	Grab
PCB	2x 250 mL	None	Grab

Field Parameters

0 Volume	1 Volume	2 Volume	3Vol/Sample
8.64	8.39	8.00	7.80
0.79	1.61	2.03	2.28
0.256	0.258	0.258	0.260
25.6	1.8	14	0.8

Comments:

WELL SAMPLING RECORD

Site Name Cherry Farms Well ID MW-5

Samplers Mike Reisch

Total Well Depth (TOC)	49.40	feet
Initial Static Water Level (TOC)	18.81	feet
Well Diameter	2.0	inches

Purging Data

Method Bailing Date/Time 3/22/2017 11:00

Well depth	DTW	Casing Vol. per foot	Water Volume
49.40	18.81	0.16	4.89

gallons

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

Volume of Purge Water Removed 15 gallons

Sampling Data

Method Grab Date/Time 3/22/2017 14:30

Parameters	Bottle	Preservation	Method
VOC	3x 40 ml	1:1 HCl	Grab
SVOC	2x 250 mL	None	Grab
PCB	2x 250 mL	None	Grab

Field Parameters	0 Volume	1 Volume	2 Volume	3Vol/Sample
pH	7.31	7.27	7.15	7.08
Temp. (°C)	8.03	9.86	9.86	9.78
Spec. Cond. (mS/cm)	0.840	0.89	0.90	0.89
Turbidity (NTU)	40.9	7.10	6.88	4.86

Comments:

WELL SAMPLING RECORD

Site Name Cherry Farms Well ID MW-6

Samplers Mike Reisch

Total Well Depth (TOC)	50.80	feet
Initial Static Water Level (TOC)	20.72	feet
Well Diameter	2.0	inches

Purging Data

Method Bailing Date/Time 3/22/2017 14:35

Well depth	DTW	Casing Vol. per foot	Water Volume
50.80	20.72	0.16	4.81

gallons

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

Volume of Purge Water Removed 15 gallons

Sampling Data

Method Grab Date/Time 3/22/2017 15:00

Parameters	Bottle	Preservation	Method
VOC	3x 40 ml	1:1 HCl	Grab
SVOC	2x 250 mL	None	Grab
PCB	2x 250 mL	None	Grab

Field Parameters	0 Volume	1 Volume	2 Volume	3Vol/Sample
pH	7.48	7.23	7.18	7.08
Temp. (°C)	8.91	10.28	10.00	9.97
Spec. Cond. (mS/cm)	0.627	0.699	0.703	0.706
Turbidity (NTU)	3.67	4.78	5.32	4.99

Comments:

MS/MSD Collected

WELL SAMPLING RECORD

Site Name Cherry Farms Well ID RW-4

Samplers Mike Reisch

Total Well Depth (TOC)	52.15	feet
Initial Static Water Level (TOC)	16.73	feet
Well Diameter	10.0	inches

Purging Data

Method Low Flow Pumping Date/Time 3/23/2017 13:00

Well depth	DTW	Casing Vol. per foot	Water Volume
NA	NA	NA	NA

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

Volume of Purge Water Removed 3 gallons

Sampling Data

Method Grab Date/Time 3/23/2017 13:30

Parameters	Bottle	Preservation	Method
VOC	3x 40 ml	1:1 HCl	Grab
SVOC	2x 250 mL	None	Grab
PCB	2x 250 mL	None	Grab

	Field Parameters	Depth to Water	pH	Temp (°C)	Spec. Cond. (mS/cm)	Turbidity	Flow Rate (ml/min)
Elapsed Time (min)	0	16.73	8.56	9.38	0.229	6.8	0
	5	16.78	8.18	9.11	0.229	6.86	380
	10	16.75	7.86	9.33	0.227	5.92	380
	15	16.77	7.61	9.11	0.225	6.89	380
	20	16.80	7.39	9.23	0.223	7.28	380
	25	16.82	7.24	9.17	0.223	7.11	380
	30						
	35						
	40						
	45						
	50						
	55						
	60						

Comments:

WELL SAMPLING RECORD

Site Name Cherry Farms Well ID RW-5

Samplers Mike Reisch

Total Well Depth (TOC)	52.30	feet
Initial Static Water Level (TOC)	13.75	feet
Well Diameter	8.0	inches

Purging Data

Method Low Flow Pumping Date/Time 3/23/2017 13:45

Well depth	DTW	Casing Vol. per foot	Water Volume
NA	NA	NA	NA

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

Volume of Purge Water Removed 3.5 gallons

Sampling Data

Method Grab Date/Time 3/23/2017 14:30

Parameters	Bottle	Preservation	Method
VOC	3x 40 ml	1:1 HCl	Grab
SVOC	2x 250 mL	None	Grab
PCB	2x 250 mL	None	Grab

Field Parameters	Depth to Water	pH	Temp (°C)	Spec. Cond. (mS/cm)	Turbidity	Flow Rate (ml/min)
Elapsed Time (min)	0	13.76	7.45	5.83	0.272	2.75
	5	13.81	7.57	5.80	0.272	3.14
	10	13.98	7.66	5.35	0.274	2.38
	15	14.07	7.71	5.14	0.275	2.20
	20	14.12	7.75	5.27	0.275	1.84
	25	14.18	7.75	5.13	0.273	1.65
	30	14.23	7.78	5.11	0.273	1.56
	35					
	40					
	45					
	50					
	55					
	60					

Comments:

SUMP WATER SAMPLING RECORD

Site Name	<i>Cherry Farms</i>	Well ID	<i>S-1</i>
Samplers	<i>Mike Reisch</i>		

Sample Description

Depth to Water:	<i>3.43 ft btoc</i>
Type of water body:	<i>Sump</i>
Physical Appearance/Odor:	<i>No odor</i>
Color/Stain:	<i>Clear, slight sheen</i>

Sampling Data

Method	<i>Grab</i>	Date/Time	<i>3/23/2017 9:30</i>

Parameters	Bottle	Preservation	Method
VOC	3x 40 mL	1:1 HCl	Grab
Semi Volatile	2x 250 mL	None	Grab
PCB	2x 250 mL	None	Grab
Pesticides	2x 250 mL	None	Grab
Metals	1x 250 mL	HNO3	Grab
Cyanide	1x 250 mL	NaOH	Grab

Field Parameters

pH	8.64
Temp. (°C)	3.06
Spec. Cond. (mS/cm)	0.193
Turbidity (NTU)	3.74

Comments:

SUMP WATER SAMPLING RECORD

Site Name Cherry Farms Well ID S-2

Samplers Mike Reisch

Sample Description

Depth to Water:	4.46 ft btoc
Type of water body:	Sump
Physical Appearance/Odor:	no odor
Color/Stain:	clear

Sampling Data

Method Grab Date/Time 3/23/2017 10:30

Parameters	Bottle	Preservation	Method
VOC	3x 40 mL	1:1 HCl	Grab
Semi Volatile	2x 250 mL	None	Grab
PCB	2x 250 mL	None	Grab
Pesticides	2x 250 mL	None	Grab
Metals	1x 250 mL	HNO3	Grab
Cyanide	1x 250 mL	NaOH	Grab

Field Parameters

pH	11.16
Temp. (°C)	10.89
Spec. Cond. (mS/cm)	0.75
Turbidity (NTU)	0.70

Comments:

SUMP WATER SAMPLING RECORD

Site Name	Cherry Farms	Well ID	S-3
Samplers	Mike Reisch		

Sample Description

Depth to Water:	4.57 ft btoc
Type of water body:	Sump
Physical Appearance/Odor:	No odor
Color/Stain:	Clear

Sampling Data

Method	Grab	Date/Time	3/23/2017 11:30

Parameters	Bottle	Preservation	Method
VOC	3x 40 mL	1:1 HCl	Grab
Semi Volatile	2x 250 mL	None	Grab
PCB	2x 250 mL	None	Grab
Pesticides	2x 250 mL	None	Grab
Metals	1x 250 mL	HNO3	Grab
Cyanide	1x 250 mL	NaOH	Grab

Field Parameters

pH	11.17
Temp. (°C)	7.76
Spec. Cond. (mS/cm)	0.788
Turbidity (NTU)	1.10

Comments:

Duplicate collected - DUP

SUMP WATER SAMPLING RECORD

Site Name Well ID

Samplers

Sample Description

Depth to Water:	4.06 ft btoc
Type of water body:	Sump
Physical Appearance/Odor:	no odor
Color/Stain:	Clear

Sampling Data

Method Date/Time

Parameters	Bottle	Preservation	Method
VOC	3x 40 mL	1:1 HCl	Grab
Semi Volatile	2x 250 mL	None	Grab
PCB	2x 250 mL	None	Grab
Pesticides	2x 250 mL	None	Grab
Metals	1x 250 mL	HNO3	Grab
Cyanide	1x 250 mL	NaOH	Grab

Field Parameters

pH	7.88
Temp. (°C)	4.73
Spec. Cond. (mS/cm)	1.077
Turbidity (NTU)	6.16

Comments:

WELL SAMPLING RECORD

Site Name Cherry Farms Well ID MW-4

Samplers Mike Reisch

Total Well Depth (TOC)	49.83	feet
Initial Static Water Level (TOC)	17.89	feet
Well Diameter	2.0	inches

Purging Data

Method Bailer Date/Time 10/5/2017 9:30

Well depth	DTW	Casing Vol. per foot	Water Volume	
49.83	17.89	0.16	5.11	gallons

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

Volume of Purge Water Removed 15 gallons

Sampling Data

Method Grab Date/Time 10/5/2017 11:30

Parameters	Bottle	Preservation	Method
VOC	3x 40 ml	1:1 HCl	Grab
SVOC	2x 250 mL	None	Grab
PCB	2x 250 mL	None	Grab

Field Parameters

	0 Volume	1 Volume	2 Volume	3Vol/Sample
pH	7.32	7.02	6.72	6.75
Temp. (°C)	14.31	13.48	13.34	13.55
Spec. Cond. (mS/cm)	0.512	0.507	0.623	0.655
Turbidity (NTU)	6.89	12.4	39.1	66.7

Comments:

MS/MSD Collected

WELL SAMPLING RECORD

Site Name Cherry Farms Well ID MW-5

Samplers Mike Reisch

Total Well Depth (TOC)	49.40	feet
Initial Static Water Level (TOC)	18.44	feet
Well Diameter	2.0	inches

Purging Data

Method Bailing Date/Time 10/5/2017 10:00

Well depth	DTW	Casing Vol. per foot	Water Volume	
49.40	18.44	0.16	4.95	gallons

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

Volume of Purge Water Removed 15 gallons

Sampling Data

Method Grab Date/Time 10/5/2017 12:00

Parameters	Bottle	Preservation	Method
VOC	3x 40 ml	1:1 HCl	Grab
SVOC	2x 250 mL	None	Grab
PCB	2x 250 mL	None	Grab

Field Parameters	0 Volume	1 Volume	2 Volume	3Vol/Sample
pH	6.69	6.76	6.51	6.49
Temp. (°C)	13.87	14.32	14.06	13.39
Spec. Cond. (mS/cm)	0.503	0.554	0.788	0.828
Turbidity (NTU)	7.75	4.82	5.53	3.6

Comments:

Duplicate Collected

WELL SAMPLING RECORD

Site Name Cherry Farms Well ID MW-6

Samplers Mike Reisch

Total Well Depth (TOC)	50.80	feet
Initial Static Water Level (TOC)	20.35	feet
Well Diameter	2.0	inches

Purging Data

Method Bailing Date/Time 10/5/2017 10:30

Well depth	DTW	Casing Vol. per foot	Water Volume
50.80	20.35	0.16	4.87

gallons

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

Volume of Purge Water Removed 15 gallons

Sampling Data

Method Grab Date/Time 10/5/2017 12:30

Parameters	Bottle	Preservation	Method
VOC	3x 40 ml	1:1 HCl	Grab
SVOC	2x 250 mL	None	Grab
PCB	2x 250 mL	None	Grab

Field Parameters

0 Volume	1 Volume	2 Volume	3Vol/Sample
6.86	6.67	6.61	6.62
13.67	13.40	12.96	13.29
0.648	0.671	0.682	0.684
4.25	12.8	7.27	6.13

Comments:

WELL SAMPLING RECORD

Site Name Cherry Farms Well ID RW-4

Samplers Mike Reisch

Total Well Depth (TOC)	52.15	feet
Initial Static Water Level (TOC)	15.98	feet
Well Diameter	10.0	inches

Purging Data

Method Low Flow Pumping Date/Time 10/5/2017 13:45

Well depth	DTW	Casing Vol. per foot	Water Volume
NA	NA	NA	NA

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

Volume of Purge Water Removed 3.5 gallons

Sampling Data

Method Grab Date/Time 10/5/2017 14:30

Parameters	Bottle	Preservation	Method
VOC	3x 40 ml	1:1 HCl	Grab
SVOC	2x 250 mL	None	Grab
PCB	2x 250 mL	None	Grab

Field Parameters	Depth to Water	pH	Temp (°C)	Spec. Cond. (mS/cm)	Turbidity	Flow Rate (mL/min)
Elapsed Time (min)	0	15.98	6.42	25.46	0.826	2.2
	5	16.04	6.40	24.67	0.858	1.90
	10	16.15	6.41	23.58	0.885	2.63
	15	16.17	6.43	23.27	0.901	2.56
	20	16.19	6.44	23.17	0.885	2.63
	25	16.21	6.45	23.01	0.884	2.56
	30	16.23	6.45	22.99	0.887	2.52
	35					
	40					
	45					
	50					
	55					
	60					

Comments:

WELL SAMPLING RECORD

Site Name Cherry Farms Well ID RW-5

Samplers Mike Reisch

Total Well Depth (TOC)	52.30	feet
Initial Static Water Level (TOC)	16.35	feet
Well Diameter	8.0	inches

Purging Data

Method Low Flow Pumping Date/Time 10/5/2017 14:45

Well depth	DTW	Casing Vol. per foot	Water Volume
NA	NA	NA	NA

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

Volume of Purge Water Removed 5 gallons

Sampling Data

Method Grab Date/Time 10/5/2017 15:30

Parameters	Bottle	Preservation	Method
VOC	3x 40 ml	1:1 HCl	Grab
SVOC	2x 250 mL	None	Grab
PCB	2x 250 mL	None	Grab

Field Parameters	Depth to Water	pH	Temp (°C)	Spec. Cond. (mS/cm)	Turbidity	Flow Rate (mL/min)
Elapsed Time (min)	0	16.35	7.44	17.68	0.344	10.93
	5	16.42	7.41	17.62	0.359	5.94
	10	16.48	7.45	18.03	0.346	5.66
	15	16.51	7.34	18.28	0.355	5.26
	20	16.55	7.30	19.01	0.354	6.01
	25	16.55	7.33	15.30	0.365	3.59
	30	16.55	7.32	15.31	0.365	2.07
	35	16.56	7.32	15.32	0.366	2.10
	40	16.57	7.33	15.32	0.364	1.98
	45	16.58	7.34	15.31	0.363	1.89
	50					
	55					
	60					

Comments:

SUMP WATER SAMPLING RECORD

Site Name	<i>Cherry Farms</i>	Well ID	<i>S-1</i>
Samplers	<i>Mike Reisch</i>		

Sample Description

Depth to Water:	<i>3.07 ft btoc</i>
Type of water body:	<i>Sump</i>
Physical Appearance/Odor:	<i>No odor</i>
Color/Stain:	<i>Clear, kind of gritty</i>

Sampling Data

Method	<i>Grab</i>	Date/Time	<i>10/6/2017 9:00</i>

Parameters	Bottle	Preservation	Method
VOC	3x 40 mL	1:1 HCl	Grab
Semi Volatile	2x 250 mL	None	Grab
PCB	2x 250 mL	None	Grab
Pesticides	2x 250 mL	None	Grab
Metals	1x 250 mL	HNO3	Grab
Cyanide	1x 250 mL	NaOH	Grab

Field Parameters

pH	<i>11.01</i>
Temp. (°C)	<i>18.24</i>
Spec. Cond. (mS/cm)	<i>0.812</i>
Turbidity (NTU)	<i>3.82</i>

Comments:

SUMP WATER SAMPLING RECORD

Site Name Cherry Farms Well ID S-2

Samplers Mike Reisch

Sample Description

Depth to Water:	4.54 ft btoc
Type of water body:	Sump
Physical Appearance/Odor:	no odor
Color/Stain:	clear kind of gritty

Sampling Data

Method Grab Date/Time 10/6/2017 9:30

Parameters	Bottle	Preservation	Method
VOC	3x 40 mL	1:1 HCl	Grab
Semi Volatile	2x 250 mL	None	Grab
PCB	2x 250 mL	None	Grab
Pesticides	2x 250 mL	None	Grab
Metals	1x 250 mL	HNO3	Grab
Cyanide	1x 250 mL	NaOH	Grab

Field Parameters

pH	11.48
Temp. (°C)	17.89
Spec. Cond. (mS/cm)	1.27
Turbidity (NTU)	1.07

Comments:

SUMP WATER SAMPLING RECORD

Site Name	Cherry Farms	Well ID	S-3
Samplers	Mike Reisch		

Sample Description

Depth to Water:	4.62 ft btoc
Type of water body:	Sump
Physical Appearance/Odor:	Some odor, possibly petroleum
Color/Stain:	Clear with oily chunks

Sampling Data

Method	Grab	Date/Time	10/4/2017 14:00

Parameters	Bottle	Preservation	Method
VOC	3x 40 mL	1:1 HCl	Grab
Semi Volatile	2x 250 mL	None	Grab
PCB	2x 250 mL	None	Grab
Pesticides	2x 250 mL	None	Grab
Metals	1x 250 mL	HNO3	Grab
Cyanide	1x 250 mL	NaOH	Grab

Field Parameters	
pH	11.26
Temp. (°C)	16.53
Spec. Cond. (mS/cm)	0.858
Turbidity (NTU)	0.48

Comments:

SUMP WATER SAMPLING RECORD

Site Name Cherry Farms Well ID S-4

Samplers Mike Reisch

Sample Description

Depth to Water:	4.10 ft btoc
Type of water body:	Sump
Physical Appearance/Odor:	no odor
Color/Stain:	Clear

Sampling Data

Method Grab Date/Time 10/4/2017 13:00

Parameters	Bottle	Preservation	Method
VOC	3x 40 mL	1:1 HCl	Grab
Semi Volatile	2x 250 mL	None	Grab
PCB	2x 250 mL	None	Grab
Pesticides	2x 250 mL	None	Grab
Metals	1x 250 mL	HNO3	Grab
Cyanide	1x 250 mL	NaOH	Grab

Field Parameters

pH	6.59
Temp. (°C)	17.72
Spec. Cond. (mS/cm)	2.86
Turbidity (NTU)	1.2

Comments:



Appendix D – 2017 Remedial System Monitoring Data and Town of Tonawanda Industrial Sewer Connection Permit

Appendix D

2017 Remedial System Monitoring Data

	Wastewater Discharge Limit	Units	1/9/017	2/6/17	3/6/17	4/6/17	5/5/17	6/5/17*	7/10/17	8/11/17	9/11/17	10/2/17	10/10/17***	11/13/17	12/4/17 *
OWS/Influent															
PCBs															
Aroclor 1016	NA	(µg/L)	ND	ND	ND	ND	0.36	ND	ND	0.67	ND	ND	-	ND	ND
Aroclor 1221	NA	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	ND	ND
Aroclor 1232	NA	(µg/L)	0.6	0.59	ND	ND	ND	0.76	ND	ND	ND	ND	-	ND	0.59
Aroclor 1242	NA	(µg/L)	ND	ND	0.25	0.23	ND	ND	0.39	ND	0.29	ND	-	0.28	ND
Aroclor 1248	NA	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	ND	ND
Aroclor 1254	NA	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	ND	ND
Aroclor 1260	NA	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	ND	ND
Oil & Grease	100	(mg/L)	3.0 J	ND	ND	2.2 J	1.7 J	ND	ND	2.4J	ND	1.9 J	-	ND	1.3 J
Between Carbon															
PCBs															
Aroclor 1016	NA	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	ND	ND
Aroclor 1221	NA	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	ND	ND
Aroclor 1232	NA	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	ND	0.54
Aroclor 1242	NA	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	ND	ND
Aroclor 1248	NA	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	ND	ND
Aroclor 1254	NA	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	ND	ND
Aroclor 1260	NA	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	ND	ND
Oil & Grease	100	(mg/L)	-	-	-	-	-	-	-	-	-	-	-	-	-
ML-2 (Post-Carbon)															
PCBs															
Aroclor 1016	0.065 **	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1221	0.065 **	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1232	0.065 **	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	0.065 **	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.35	ND	ND	ND
Aroclor 1248	0.065 **	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	0.065 **	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	0.065 **	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Other Parameters															
TSS	250	(mg/L)	6.8	6.7	6.4	6.4	6.5	6.5	6.6	6.4	6.9	7.0	-	6.7	6.4
pH	5.0-9.5	(SU)	-	-	-	-	-	-	-	-	-	-	-	-	-
BOD	250	(mg/L)	-	-	-	-	-	ND	-	-	-	-	-	-	5.2
SGT TPH	100	(mg/L)	ND	1.5 J	ND	ND	2.5 J	ND	ND	ND	ND	ND	-	2.4J	ND
Total Cyanide	1.1	(mg/L)	-	-	-	-	-	0.058	-	-	-	-	-	-	0.043
Total Phosphorous	6	(mg/L)	-	-	-	-	-	0.0059 J	-	-	-	-	-	-	ND
Total Arsenic	0.5	(mg/L)	-	-	-	-	-	ND	-	-	-	-	-	-	ND
Total Zinc	4.4	(mg/L)	-	-	-	-	-	-	-	-	-	-	-	-	-
Effluent Volume	NA	(GPM)	240,439												

Notes:

- = not analyzed

* = semi-annual sampling event for ML-2.

** = discharge limit for all aroclors.

***= Re-sample due to detection in first sample.

(µg/L) = micrograms per liter

(mg/L) = milligrams per liter

(SU) = standard unit (logarithmic scale)

PCBs = Polychlorinated Biphenyls

TSS = Total Suspended Solids

BOD = Biochemical Oxygen Demand

SGT TPH = Silica Gel Treated Total Petroleum Hydrocarbon per EPA Method 1664A

ND = Not Detected

(GPM) = Gallons per month

(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) = Result detected in the unseeded control blank

(B) = Compound was found in the blank and sample

BOLD = concentration exceeds permitted Wastewater Discharge Limit

Total Zinc was removed from the 2017-2019 discharge permit and Total Arsenic was added.

TOWN OF TONAWANDA

INDUSTRIAL SEWER CONNECTION PERMIT

Company Name: Cherry Farm/River Road PRP Group

Division Name (if Applicable) _____

Mailing Address: 495 Aero Drive, Suite 3
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 December 15, 2016 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, 2017

Expiration Date: December 31, 2019

Permit No. 613

Date: 12/20/16 Signed: Paul Morrow

Paul Morrow
Town of Tonawanda
Office of the Compliance Coordinator

Permit No. 613

Modified Date:

PART 1 - WASTEWATER DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS

A. LOCALLY DERIVED LIMITATIONS

The industrial user shall comply with the following locally derived effluent limitations effective as of January 1, 2017

MONITORING LOCATION: Inlet Sump (prior to any treatment)

PARAMETERS	SAMPLE FREQUENCY	SAMPLE TYPE	PURPOSE
Oil and Grease	Monthly	Grab	Monitoring
PCB's (All Arochlors)	Monthly	Grab	Monitoring

MONITORING LOCATION #2: Discharge Point to the Town Sewer

MONITORING SPECIFICATIONS

A. Monitoring for compliance with these locally derived limitations at Monitoring Point 2 Discharge Point to Town Sewer shall be performed as follows:

Sample Type: Grab

PARAMETERS	SAMPLE FREQUENCY	Limit	PURPOSE
TPH* (1664 SGT)	Monthly	100 mg/l	Compliance
PCB's (All Arochlors)	Monthly	0.065 ug/l	Compliance
pH	Monthly	5.0-9.5	Compliance
BOD	Semi-annual	250 mg/l	Surcharge
TSS	"	250 mg/l	"
Total Phosphorous	"	6.0 mg/l	"
Total Arsenic	"	0.5 mg/l	Compliance ¹
Total Cyanide	"	1.1 mg/l	Compliance ¹

* = Total Petroleum Hydrocarbons.

Additional Analysis:

PARAMETERS	SAMPLE FREQUENCY	SAMPLE TYPE	PURPOSE
PCB's (Recovered Oil)	Upon Disposal	Grab	Monitoring

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:*

***Paul Morrow, Pretreatment 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 Pretreatment 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 2017.*

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.

Footnotes from page 2

Footnote 1- The Town of Tonawanda Wastewater Treatment Plant SPDES permit states that the Pretreatment Program will, "Require through Permits each SIU to collect one 24 hour flow proportioned sample composite (where feasible) effluent sample every six months and analyze each of those samples for all priority pollutants that can reasonably be expected to be detectable in that discharge at levels greater than level found in domestic sewage." Upon historical data review and review of your Industrial Waste Questionnaire analysis marked with this footnote were added to your permit to comply with our SPDES permit.



Appendix E – Institutional and Engineering Controls Certification Forms



Enclosure 2
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form



	Site Details	Box 1
Site No.	915063	
Site Name Niagara Mohawk - Cherry Farm		
Site Address: River Road (near 4000 River Road) Zip Code: 14150		
City/Town: Tonawanda		
County: Erie		
Site Acreage: 56.0		
Reporting Period: December 31, 2016 to December 31, 2017		
		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 ControlsParcelOwnerInstitutional Control

51.20-1-1

Niagara Mohawk Power Corp.

Monitoring Plan
O&M Plan

Building Use Restriction

Landuse Restriction

A Consent Order (CO) for a Remedial Investigation / Feasibility Study (RI/FS) was signed by the PRP group in April 1988. The RI/FS was completed and a Record of Decision (ROD) was signed in February 1991. Based on the results of additional investigations and pump tests completed in 1992, the ROD was amended on October 7, 1993. Due to common site history, former common ownership, similar waste and a similar Remedial Program, this site was combined with the adjacent River Road Site for Remedial Action. The remedy consisted of stabilization of the river bank, installation of a clean earth cover, extraction and treatment of groundwater and recovery and disposal of non-aqueous phase liquid. The design incorporated several habitat improvements including development of wetland buffer areas, fish embayment structures and specific vegetative cover along the Niagara River. A Consent Order for Remedial Design/Remedial Action (RD/RA) was signed in September 1994. The PRP Group developed a comprehensive remedial design for Cherry Farm and the adjoining River Road Site. The Remedial Design work was completed in February 1996. Shortly afterwards, in May 1996, Remedial Action work began and was completed in August of 1999. A Deed Restriction was placed on the property on January 27, 1999. The Construction Certification Report and the Operation, Maintenance and Monitoring Plan were approved in January, 2000.

Description of Engineering ControlsParcelEngineering Control

51.20-1-1

Leachate Collection
Groundwater Treatment System
Cover System
Fencing/Access Control

Hazardous wastes were excavated and pulled back from the perimeter remedial investigation areas and consolidated. PAH sediments were hydraulically dredged from the Niagara River and discharged on to the River Road portion of the site to settle. Shallow groundwater recovery wells were installed along the shoreline. Recovered leachate is pumped to an onsite treatment plant. A permeable soil cap/cover was installed and seeded. Embayments and plantings were installed along the shoreline for habitat objectives.

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

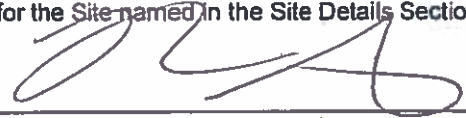
SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

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 BRIAN STEARNS at 300 Erie Blvd West
print name Syracuse, NY 13202
print business address

am certifying as Nathan Grail (owner) (Owner or Remedial Party)

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


Signature of Owner, Remedial Party, or Designated Representative
Rendering Certification

2/15/2018
Date

IC/EC CERTIFICATIONS

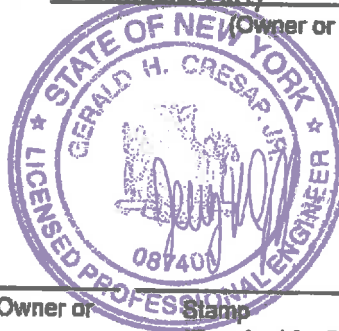
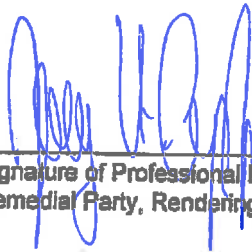
Box 7

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 GES, Inc. 1 Park Drive Westford, MA 01886
print name print business address

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



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

Stamp
(Required for PE)

2/20/2018
Date



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. **915031**

Site Name River Road Site

Site Address: 4100 RIVER ROAD **Zip Code:** 14150

City/Town: Tonawanda

County: Erie

Site Acreage: 23.0

Reporting Period: December 31, 2016 to December 31, 2017

	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>
64.08-1-1.1	Niagara River World Inc	
		Monitoring Plan O&M Plan

The property located at 4002 River Road owned by Niagara River World extends onto the River Road (915031) site and is a portion of the overall River Road (915031) site. The Cherry Farm (915063) River Road (915031) PRP Group performed the remedial action of the site based on the Amended ROD. The owner of Niagara River World did not participate in the remedial action. The site owner has not filed a deed restriction for this property. The Cherry Farm/River Road PRP Group continues to conduct the OM&M activities at the site and submits periodic inspection and annual reports.

64.08-1-3 Clarence Mat.Corp.c/o Lafarge N.Amr. Lan

The Clarence Materials property located at 4010 River Road in the Town of Tonawanda, Erie County is identified as part of the River Road site in the ROD dated March 24, 1994. However, the Clarence Materials site was not investigated as part of the River Road RI/FS nor was any remedial work completed on this site. Clarence Material Corporation is an active ready mix cement plant. No deed restrictions or environmental easements are in place.

64.08-1-4 Matthew L. Duggan, Jr.

Monitoring Plan
O&M Plan

The property located at 4100 River Road owned by Matthew L. Duggan is a portion of the overall River Road (915031) site. The Cherry Farm (915063) River Road (915031) PRP Group performed the remedial action of the site based on the Amended ROD. The owner of 4100 River Rd. (Duggan) did not participate in the remedial action. The site owner has not filed a deed restriction for this property. The Cherry Farm/River Road PRP Group continues to conduct the OM&M activities at the site and submits periodic inspection and annual reports.

Description of Engineering Controls

<u>Parcel</u>	<u>Engineering Control</u>
64.08-1-1.1	Cover System Fencing/Access Control Leachate Collection Groundwater Treatment System

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 into a cell on the River Road portion of the site to settle. A permeable soil/cap cover was installed and seeded along with the installation of a shallow groundwater recovery well along the shoreline to collect leachate. The leachate is then pumped to an onsite treatment plant with discharge to the Town of Tonawanda POTW for further treatment.

64.08-1-3 Fencing/Access Control

64.08-1-4
Cover System
Fencing/Access Control
Groundwater Treatment System
Leachate Collection

Hazardous wastes were excavated and pulled back from the perimeter remedial investigation areas

Parcel

Engineering Control

and consolidated. PAH sediments were hydraulically dredged from the Niagara River and discharged into a cell on the River Road portion of the site to settle. A permeable soil/cap cover was installed and seeded along with the installation of a shallow groundwater recovery well along the shoreline to collect leachate. The leachate is then pumped to an onsite treatment plant with discharge to the Town of Tonawanda POTW for further treatment.

Box 5

Periodic Review Report (PRR) Certification Statements

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

- a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;
- b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and 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. 915031

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 _____ at _____
print name print business address

am certifying as _____ (Owner or Remedial Party)

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

Signature of Owner, Remedial Party, or Designated Representative
Rendering Certification

Date

IC/EC CERTIFICATIONS

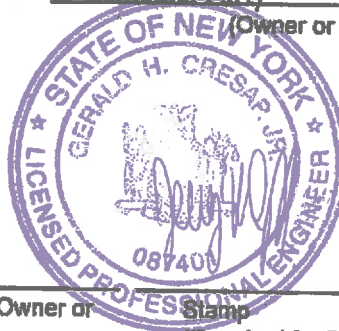
Box 7

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 GES, Inc. 1 Park Drive Westford, MA 01886
print name print business address

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



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

Stamp
(Required for PE)

2/20/2018
Date