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February 19, 2021

Mr. Brian Sadowski
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**Re: 2020 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, 2020 through December 31, 2020.

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

Sincerely,

A handwritten signature in blue ink, appearing to read 'Thomas D. Palmer', is written over a light blue horizontal line.

Thomas D. Palmer
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Cherry Farm/River Road Potentially Responsible Parties Group

2020 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 19, 2021

File No. 442205



2020 Annual Periodic Review Report

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

Prepared for:
New York State Department of Environmental
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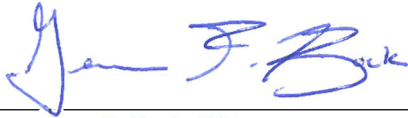
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Acronyms

BOD	Biochemical Oxygen Demand
Class GA	Ambient Groundwater
DTP	Depth to Product
DTW	Depth to Water
ESG	Environmental Service Group, Inc.
Eurofins	Eurofins Buffalo Laboratories, Inc.
gpm	Gallons per minute
GES	Groundwater & Environmental Services, Inc.
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
PPE	Personal protective equipment
PRP	Potential Responsible Parties
PRR	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
TOGS 1.1.1	NYSDEC Technical and Operation Guidance Series 1.1.1
TPH	Total petroleum hydrocarbons
TSS	Total suspended solids
USACOE	United States Army Corp of Engineers
VOCs	Volatile organic compounds
WQSG	Water Quality Standards/Guidance Values

Executive Summary

Introduction

This 2020 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, 2020 through December 31, 2020. 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.

Program Methodology

In accordance with the procedures outlined in the updated 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. Beginning in 2017, monitoring wells MW-1, MW-2, MW-3, and MW-7 are only sampled once every two years (during even numbered years). Therefore, these monitoring wells were sampled during the first quarter of 2020. 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, the sampling events were conducted in the first (March) and fourth (October) quarters of 2020.

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. PCBs were only analyzed from intermediate/deep groundwater samples during the first quarter sampling event in 2020. A request to modify the annual groundwater sampling program was made to the New York State Department of Environmental Conservation (NYSDEC) for the removal of PCBs from the intermediate and deep aquifers based on historical non detections dating back to 1997. This request was approved in correspondence from the department dated August 25, 2020. Analytical results were compared to the ambient groundwater (Class GA) Water Quality Standards/Guidance Values (WQSG), 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 2020.

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 monitoring well elevation data was used 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**.



Informal cap and Site inspections were completed during the reporting period by GES on a monthly basis in conjunction with routine Site visits. Formal inspections performed on a quarterly basis inspect the cap and Site for excessive debris, litter and waste, loss of vegetative cover, integrity of the drainage system, condition of access roads, gates, fencing, integrity of groundwater monitoring and observation wells, and integrity of the cover system. The NYSDEC did not attend a quarterly Site inspection in 2020.

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 operation and 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 also 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**.

Additionally, in order to reduce the volume of chemical utilized by the treatment system and increase safety of system operation, a *Chemical Reduction Plan* was submitted to the local sewer authority and the NYSDEC on October 20, 2019. Following approval of the plan by all parties, the stepped approach to reduce chemical usage at the treatment system was initiated in November 2019. All discharge samples collected from the system during the increase in operational pH of the system indicated that discharge is within permitted limits. Final pH adjustments were completed in January of 2020. The system is functioning normally under the new, higher operational pH conditions.

Descriptions of significant non-routine maintenance operations performed between January 1 and December 31, 2020 are provided in **Table 2.3**.

Monitoring Summary

Intermediate/Deep Groundwater Sampling – First Quarter 2020

VOC analytes were not detected in concentrations exceeding Class GA WQSG in any intermediate/deep groundwater samples from MW-1 through MW-7 or RW-5. VOC analytes were detected in concentrations exceeding Class GA WQSG in RW-4 and are summarized below:

- Benzene concentration exceeded in RW-4 at 11 micrograms per liter (µg/L).
- Total Xylene concentration exceeded in RW-4 at 5.7 µg/L.

SVOC analytes were not detected in concentrations exceeding Class GA WQSG in any intermediate/deep groundwater samples from MW-1 through MW-7 or RW-5. SVOC analytes were detected in concentrations exceeding Class GA WQSG in RW-4 and are summarized below:

- Naphthalene concentration exceeded in RW-4 at 18 µg/L.

PCBs were not detected in concentrations exceeding the Class GA WQSG in any of the groundwater samples collected during the March 2020 sampling event.

Shallow Groundwater Sampling – First Quarter 2020

VOCs were not detected in concentrations exceeding Class GA WQSG in samples collected in S-1 and S-3 during the March 2020 sampling event. VOC analytes exceeded Class GA WQSG in S-2 and S-4 and are summarized below:

- Vinyl Chloride concentration exceeded in S-2 at 4.6 µg/L.
- Total Xylenes concentration exceeded in S-4 at 7.1 µg/L.

SVOC analytes were not detected in concentrations exceeding Class GA WQSG in samples S-1 and S-2. SVOC analytes were detected in concentrations exceeding Class GA WQSG in S-3 and S-4 and are summarized below:

- 2-Methylphenol concentration exceeded in S-3 at 8.0 µg/L and S-4 at 5.3 µg/L.
- 4-Methylphenol concentration exceeded in S-3 at 13 µg/L and in S-4 at 5.5 µg/L;
- 2,4 – Dimethylphenol concentration exceeded in S-3 at 25 µg/L and S-4 at 19 µg/L.
- Naphthalene concentration exceeded in S-4 at 19 µg/L.

Pesticides were not detected in concentrations exceeding Class GA WQSG in sample S-1. Pesticides were detected in concentrations exceeding Class GA WQSG in samples S-2, S-3, and S-4 and are summarized below:

- Dieldrin concentration exceeded in S-2 at 0.012 µg/L and in S-3 at 0.011 µg/L.
- Alpha-BHC concentration exceeded in S-4 at 0.016 µg/L.
- Beta-BHC concentration exceeded in S-4 at 0.048 µg/L.

PCBs were not detected in concentrations exceeding Class GA WQSG in sample S-1. PCBs were detected in concentrations exceeding Class GA WQSG in samples S-2, S-3, and S-4 and are summarized below:

- Aroclor-1232 concentration exceeded in S-4 at 5.1 µg/L.
- Aroclor-1242 concentration exceeded in S-2 at 0.59 µg/L and in S-3 at 0.86 µg/L.

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

- Iron concentration exceeded in S-1 at 510 µg/L and in S-4 at 710 µg/L.

- Sodium concentration exceeded in S-2 at 32,800 µg/L, S-3 at 149,000 µg/L, and S-4 at 201,000 µg/L.

Concentrations of the resource conservation and recovery act (RCRA)-8 listed metals were below Class GA WQSG in all shallow groundwater samples collected during the first quarter 2020 sampling event.

Intermediate/Deep Groundwater Sampling – Fourth Quarter 2020

VOC analytes were not detected in concentrations exceeding Class GA WQSG in intermediate/deep groundwater samples from MW-1 through MW-7 or RW-5. VOC analytes were detected in concentrations exceeding Class GA WQSG in RW-4 and are summarized below:

- Benzene concentration exceeded in RW-4 at 12 µg/L.
- Ethylbenzene concentration exceeded in RW-4 at 6.2 µg/L.

SVOC analytes were not detected in concentrations exceeding Class GA WQSG in any of the intermediate/deep groundwater samples collected in the October 2020 sampling event.

Shallow Groundwater Sampling – Fourth Quarter 2020

VOCs were not detected in concentrations exceeding Class GA WQSG in samples collected in S-1, S-3, and S-4. VOC analytes exceeded Class GA WQSG in S-2 and are summarized below:

- Vinyl Chloride concentration exceeded in S-2 at 9.7 µg/L.

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

- 2-Methylphenol concentration exceeded in S-1 at 1.3 µg/L, S-3 at 20 µg/L, and S-4 at 9.2 µg/L.
- 4-Methylphenol concentration exceeded in S-3 at 41 µg/L.
- 2,4 – Dimethylphenol concentration exceeded in S-1 at 38 µg/L, S-3 at 49 µg/L, and S-4 at 24 µg/L.

Pesticides were not detected in concentrations exceeding Class GA WQSG during the fourth quarter sampling event.

PCBs were not detected in concentrations exceeding Class GA WQSG in S-2. PCBs were detected in concentrations exceeding Class GA WQSG in Sumps S-1, S-3, and S-4 and are summarized below:

- Aroclor-1232 concentration exceeded in S-4 at 2.6 µg/L.
- Aroclor-1242 concentration exceeded in S-1 at 0.24 µg/L and in S-3 at 0.63 µg/L.

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

- Iron concentration exceeded in S-1 at 4,900 µg/L.
- Manganese concentration exceeded in S-1 at 660 µg/L.
- Sodium concentration exceeded in S-1 at 71,500 µg/L, S-2 at 65,500 µg/L, S-3 at 181,000 µg/L, and S-4 at 180,000 µg/L.

Concentrations of the RCRA-8 listed metals were below Class GA WQSG in all shallow groundwater samples collected during the fourth quarter 2020 sampling event.

Surface Water Sampling

Surface water was not present in any of the surface water sampling locations during the 2020 sampling events. Surface water sampling has not been conducted since 2007.

Water Level Monitoring

Quarterly water level monitoring was completed on March 16, June 22, September 23, and October 21, 2020. 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. This is consistent with historical trends for the monitoring wells, observation wells, and sumps. In the 2019 PRR, the staff gauge was suspected of being a source of error for water level elevations that did not match historical levels. A surveying error was discovered and corrected in October 2020 with a re-survey of the staff gauge. Further review of water elevations and Site activities are presented in *Section 3.4, 4.1, and 4.2*.

Semi-Annual Cap Inspections

GES performed formal cap inspections quarterly in 2020. There were no deficiencies noted during the inspections.

System Effectiveness

During system operation, the average flow rate for 2020 was approximately 6.72 gallons per minute (gpm). The system up-time for 2020 was approximately 99.2%. Approximately 3,529,006 gallons of groundwater was treated and discharged to the Town of Tonawanda Wastewater Treatment Facility during 2020. Based on the annual sampling data from the remedial system sumps and the total gallons treated and discharged by the system in 2020, approximately 0.323 pounds of VOCs, 1.097 pounds of SVOCs, 0.002 pounds of pesticides, and 0.037 pounds of PCBs were removed in 2020. No surface overflows were observed from the trench during the reporting period.

1 Introduction

This 2020 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, 2020. 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 (9) 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 and approved by the NYSDEC.

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

- The intermediate/deep groundwater monitoring wells MW-1 through MW-7 and recovery wells 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 light non-aqueous phase liquids (LNAPL), if present; and,
- Surface water sampling points SW-1 through SW-3 to assess surface water quality, if present.

In 2017, the NYSDEC approved reduction in sampling of monitoring wells MW-1, MW-2, MW-3, and MW-7 to occur once every two years (in even numbered years).

In August 2020, the NYSDEC approved the removal of polychlorinated biphenyls (PCBs) from the analytical list for the intermediate and deep aquifer groundwater samples.

2 Site Overview

2.1 Site Background

The Cherry Farms/River Road Site (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 an approximate 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 on-site 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 on-site 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 (11) 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 on-site, and discharged to the Town of Tonawanda Wastewater Treatment Facility. As part of the remedial construction, seven (7) 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 (9) 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 (MW-1 through MW-7) and recovery wells 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). In August 2020, the NYSDEC approved the removal of PCBs from the analytical list for the intermediate and deep aquifer groundwater samples.

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 nine (9) locations, including seven (7) monitoring wells (MW-1 through MW-7) 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 17, and 18, 2020 as well as on October 22, and 23, 2020. 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, a sampling event was conducted in the first and fourth quarters of 2020. Sample results from 2020 are summarized in **Section 4**. 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 2020 are provided in **Appendix B**.

The collection trench sump samples were analyzed for target compound list (TCL) volatile organic compounds (VOCs), TCL semi-volatile organic compounds (SVOCs), TCL pesticides/PCBs, and target analyte list (TAL) metals and cyanide. The monitoring well samples in the

intermediate/deep aquifer were analyzed for TCL VOCs, TCL SVOCs, and total PCBs. Starting with the October 2020 sampling event, PCB analysis was removed from the analytical list for the intermediate and deep aquifer groundwater samples as approved by the NYSDEC. Associated QA/QC samples were collected, including one (1) field duplicate, one (1) matrix spike, one (1) matrix spike duplicate, and two (2) trip blanks. The purge water and decontamination water were contained and treated in the on-Site 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 Eurofins Buffalo Laboratories, Inc. (Eurofins) 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 2020 sampling events. Surface water has not been observed on-Site since 2007.

3.4 Water Level Monitoring

Quarterly groundwater level monitoring was completed on March 16, June 22, September 23, and October 21, 2020. 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 4*. A historical water level database is provided in **Appendix B-1**.

As detailed in the 2019 PRR, the staff gauge was suspected of being a source of error for water levels that did not match historical levels. A surveying error was confirmed and corrected on October 29, 2020 with a re-survey of the staff gauge by Nussbaumer & Clarke, Inc. of Buffalo, New York. The new 2020 survey data was used for all groundwater elevation data and associated groundwater contour maps and hydrographs (historically reported water levels from 2019 were also updated with the 2020 staff gauge survey data). The 2020 groundwater elevation was consistent with historical levels and trends.

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 as well as a graphical representation of the groundwater hydraulic gradient.
- Review of the groundwater elevation data (**Table 2.2**) after the survey of the wells shows a clear pattern of elevated groundwater elevations at deep wells RW-4 and RW-5 compared to the intermediate monitoring wells (MW-1 through MW-7). The well construction and installation is significantly different between the monitoring wells and

recovery wells and is the most likely cause of the anomalous groundwater elevation readings. Therefore, groundwater elevation data from RW-4 and RW-5 was not used to generate groundwater contours in 2020 (**Figures 3.3a** through **3.3d**).

- 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 of 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 quarterly. The NYSDEC did not attend a formal cap inspection in 2020. 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 quarterly cap inspections, 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, 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. 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 2020 and a copy of the Industrial Sewer Connection Permit for 2020 through 2022 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.

Implementation of the chemical reduction plan was completed in January 2020, when the operational pH of the system was increased to approximately 4.0. The original *Chemical Reduction Plan* was submitted to the local sewer authority and the NYSDEC on October 20, 2019. Following approval of the plan by all parties, the stepped approach to reduce chemical usage at the treatment system was initiated in November 2019. All discharge samples collected from the system during the increase in operational pH of the system indicated that discharge is within permitted limits. The system continues to function normally under the new, higher operational pH conditions.

Descriptions of significant non-routine maintenance operations performed between January 1 and December 31, 2020 are provided in **Table 2.3**.

3.7 Waste

On January 8, 2020 one (1) 55-gallon drum of personal protective equipment (PPE)/solids was picked up for disposal from the Site. Four (4) 55-gallon drums containing spent carbon from a partial carbon change out were also picked up for disposal on January 8, 2020. On August 3, 2020 two (2) 55-gallon drums of spent carbon from a partial carbon change out was picked up for disposal. Disposal was completed by Environmental Service Group, Inc. (ESG) of Tonawanda, New York. The spent carbon was transported to American Recyclers Company disposal facility in Tonawanda, New York while the PPE/solids were transported to the Environmental Enterprises, Inc. disposal facility in Cincinnati, Ohio.

Pipe waste generated during the 2019 S-4 line replacement work was wrapped in polyethylene sheeting for disposal. Accumulated scale was sampled for waste profiling. The approximately five (5) cubic yards of pipe/scale waste and associated poly sheeting was loaded into a roll off dumpster on January 30, 2020 and transported by Empire Building Diagnostics to Allied Waste Niagara Falls Landfill, LLC disposal facility in Niagara Falls, NY. The waste manifests for all waste disposed of in 2020 are presented in **Appendix F**.

4 Monitoring Summary

4.1 Groundwater Quality

Annual sampling was conducted on March 17 and 18, 2020 and October 22 and 23, 2020, included the collection of groundwater samples from monitoring wells to assess intermediate/deep groundwater quality and from the sumps located in the shallow collection trench to assess shallow groundwater quality. Groundwater samples were collected from nine (9) groundwater monitoring/recovery wells (MW-1 through MW-7, RW-4, and RW-5) and four (4) sumps (S-1 through S-4).

The 2020 intermediate/deep groundwater and the shallow groundwater analytical data are summarized in **Table 3.1** and **Table 3.2**, respectively, providing detected compounds only. A groundwater analytical data table providing complete results for all wells sampled during the March and October 2020 groundwater sampling events is included in **Appendix A-1**. Groundwater sample results were compared to the Ambient Groundwater (Class GA) Water Quality Standards/Guidance Values (WQSG) found in NYSDEC Technical and Operation Guidance Series 1.1.1 (TOGS 1.1.1). The complete laboratory reports for the current reporting period are provided in **Appendix A-2**. 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 Resource Conservation and Recovery Act (RCRA)-8 Metals (**Figure 3.1h** and **3.2h**), respectively. Copies of the groundwater sampling field logs are provided in **Appendix C**.

4.1.1 Intermediate/Deep Groundwater Quality

Intermediate/Deep Groundwater Sampling – March 2020

VOCs were not detected in concentrations exceeding Class GA WQSG in MW-1 through MW-7 and RW-5.

- Benzene concentration exceeded in RW-4 at 11 micrograms per liter (µg/L).
- Total xylenes concentration exceeded in RW-4 at 5.7 µg/L.

SVOCs were not detected in concentrations exceeding Class GA WQSG in MW-1 through MW-7 and RW-5.

- Naphthalene concentration exceeded in RW-4 at 18.0 µg/L.

PCBs were not detected at or above the Class GA WQSG in any sample collected in the first quarter 2020 sampling event.

Intermediate/Deep Groundwater Sampling – October 2020

VOCs were not detected in concentrations exceeding Class GA WQSG in MW-1 through MW-7 and RW-5.

- Benzene concentration exceeded in RW-4 at 12 µg/L.
- Ethylbenzene concentration exceeded in RW-4 at 6.2 µg/L.

SVOCs were not detected at or above the Class GA WQSG in any sample collected in the fourth quarter 2020 sampling event.

Intermediate/Deep Groundwater Trends –2020

Total VOC concentration trends at the intermediate wells sampled in March and October 2020 (MW-1 through MW-6) are either decreasing or indicate that there is “no trend” based on all historic data. Total VOC concentration trends at deep wells RW-4 and RW-5 appear to be increasing based on the positive slope of the trend line shown in **Figure 3.2a**.

A Mann-Kendall statistical analysis of the historic total VOC data from RW-4 indicates that the concentration is “increasing” (RW-4: S = 54, Confidence Factor 95.7%); and that total VOC data from RW-5 indicates the concentration is “probably decreasing” (RW-5: S = -50, Confidence Factor 94.4%) based on groundwater data since August 2005. Additionally, VOC concentrations at RW-5 have remained below Class GA WQSG since the November 2014 sampling event and concentrations at RW-4 only exceed Class GA WQSG for benzene, ethylbenzene, and total xylenes.

PCBs were not detected at or above the Class GA WQSG in any sampled intermediate or deep wells during 2020. SVOC concentrations exceeded WQSG standards for Naphthalene in RW-4 at 18.0 µg/L during the March sampling event. 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 2020

VOCs were not detected in concentrations exceeding Class GA WQSG in S-1 and S-3 during the sampling event.

- Vinyl Chloride concentration exceeded in S-2 at 4.6 µg/L.
- Total Xylenes concentration exceeded in S-4 at 7.1 µg/L.

SVOC analytes were not detected in concentrations exceeding Class GA WQSG in samples S-1 or S-2. SVOC analytes were detected in concentrations exceeding Class GA WQSG in S-3 and S-4 and are summarized below:

- 2,4-Dimethylphenol concentration exceeded in S-3 at 25 µg/L and in S-4 at 19 µg/L.
- 2-Methylphenol concentration exceeded in S-3 at 8.0 µg/L and in S-4 at 5.3 µg/L.
- 4-Methylphenol concentration exceeded in S-3 at 13 µg/L and in S-4 at 5.5 µg/L.
- Naphthalene concentration exceeded in S-4 at 19 µg/L.

Pesticide analytes were not detected in concentrations exceeding Class GA WQSG in sample S-1. Pesticides were detected in concentrations exceeding Class GA WQSG in samples S-2, S-3, and S-4 and are summarized below:

- Dieldrin concentration exceeded in S-2 at 0.012 µg/L and in S-3 at 0.011 µg/L.
- Alpha-BHC concentration exceeded in S-4 at 0.016 µg/L.
- Beta-BHC concentration exceeded in S-4 at 0.048 µg/L.

PCBs were not detected in concentrations exceeding Class GA WQSG in sample S-1. PCBs were detected in concentrations exceeding Class GA WQSG in samples S-2, S-3, and S-4 and are summarized below:

- Aroclor-1232 concentration exceeded in S-4 at 5.1 µg/L.
- Aroclor-1242 concentration exceeded in S-2 at 0.59 µg/L and in S-3 at 0.86 µg/L.

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

- Iron concentration exceeded in S-1 at 510 µg/L and S-4 at 710 µg/L.
- Sodium concentration exceeded in all Sump samples with the exception of S-1 in March. The respective Sodium values were 32,800 µg/L in S-2, 149,000 µg/L in S-3, and 201,000 µg/L in S-4.

Concentrations of the RCRA-8 listed metals were below Class GA WQSG in all shallow groundwater samples collected in the first quarter 2020 sampling event.

Shallow Groundwater Sampling – October 2020

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

- Vinyl Chloride concentration exceeded in S-2 at 9.7 µg/L.

SVOC analytes were not detected in concentrations exceeding Class GA WQSG in sample S-2. SVOC analytes were detected in concentrations exceeding Class GA WQSG in S-1, S-3, and S-4 and are summarized below:

- 2,4 – Dimethylphenol concentration exceeded in S-1 at 38 µg/L, S-3 at 49 µg/L and S-4 at 24 µg/L.
- 2-Methylphenol concentration exceeded in S-1 at 1.3 µg/L, S-3 at 20 µg/L, and S-4 at 9.2 µg/L.
- 4-Methylphenol concentration exceeded in S-3 at 41 µg/L.

Pesticides were not detected in concentrations exceeding Class GA WQSG in samples collected in the fourth quarter 2020 sampling event.

PCBs were not detected in concentrations exceeding Class GA WQSG in S-2. PCBs were detected in concentrations exceeding Class GA WQSG in S-1, S-3, and S-4 and are summarized below:

- Aroclor-1232 concentration exceeded in S-4 at 2.6 µg/L.
- Aroclor-1242 concentration exceeded in S-1 at 0.24 µg/L and in S-3 at 0.63 µg/L.

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

- Iron concentration exceeded in S-1 at 4,900 µg/L.
- Manganese concentration exceeded in S-1 at 660 µg/L.
- Sodium concentration exceeded in S-1 at 71,500 µg/L, S-2 at 65,500 µg/L, S-3 at 181,000 µg/L, and S-4 at 180,000 µg/L.

Concentrations of the RCRA-8 listed metals were below Class GA WQSG in all shallow groundwater samples collected in the fourth quarter 2020 sampling event.

Shallow Groundwater Trends – 2020

VOCs were detected in concentrations exceeding Class GA WQSG in S-2 samples collected during the March and October 2020 sampling events and in S-4 samples collected during the March 2020 sampling event. Total VOC concentration trends are decreasing with the exception of S-2 and S-4 which exhibit slightly positive slopes for total VOC concentration trends on **Figure 3.2d**.

Vinyl Chloride concentrations were exceeded in S-2 at 4.6 µg/L in March 2020 and 9.7 µg/L in October 2020. A Mann-Kendall statistical analysis of the historic total VOC data from S-2 indicates that the concentration is “probably increasing” (S-2: S = 50, Confidence Factor 94.4%) based on groundwater data since August 2005.

Total Xylene concentrations were exceeded in S-4 at 7.1 µg/L in October 2020. A Mann-Kendall statistical analysis of the historic total VOC data from S-4 indicates that the concentration is “stable” (S-4: S = -15, Confidence Factor 67.3%) based on groundwater data since August 2005.

Detected SVOC 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 detected in concentrations exceeding Class GA WQSG in S-2, S-3, and S-4 in March 2020. Dieldrin concentrations were exceeded at S-2 (0.012 µg/L) and S-3 (0.011 µg/L), alpha-BHC concentrations were exceeded at S-4 (0.016 µg/L), and beta-BHC concentrations were exceeded in S-4 (0.048 µg/L). Total pesticide concentration trends are stable or decreasing for all sumps. Pesticides were not detected in concentrations exceeding Class GA WQSG in any shallow groundwater samples collected during the October 2020 sampling event.

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

PCB concentration trends are generally stable or decreasing for all sumps with the exception of S-4. The trend line for PCBs at S-4 appears to have a slightly positive slope as shown on **Figure 3.2f**. A Mann-Kendall statistical analysis of the historical total PCB data from S-4 indicates that total PCB concentrations are “increasing” (S-4: $S = 118$, Confidence Factor 99.7%) based on groundwater data since June 2002. However, the total PCB concentration at sump S-4 routinely fluctuates, with a maximum historically detected PCB concentration of 7.6 $\mu\text{g/L}$ observed in November 2014 and PCB concentrations over the last 10 years (2011 through 2020) appear to be stable.

Detected metal concentrations are consistent with historical trends. Iron, manganese, and sodium were exceeded in one or more shallow groundwater samples in 2020.

RCRA-8 metals were below Class GA WQSG in all sump samples collected in 2020. 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 locations SW-1, SW-2, or SW-3 during the first or fourth quarter 2020 sampling events. A summary of historically detected compounds in surface water is presented in **Appendix B**.

4.1.4 Intermediate/Deep Groundwater Flow

Intermediate/deep zone groundwater contour maps were developed based on the March 16 (**Figure 3.3a**), June 22 (**Figure 3.3b**), September 23 (**Figure 3.3c**), and October 21 (**Figure 3.3d**), 2020 water level data. Seasonal variations in the water table and flow direction are observed across the Site between the quarterly monitoring events. During all four quarters in 2020, groundwater flow direction was observed to be primarily to the west, towards the Niagara River. After a re-survey of the onsite staff gauge in October 2020, it was confirmed that the intermediate/deep groundwater elevation across the Site was consistent with historical data and was higher than the Niagara River.

A single, localized high water level reading was recorded at MW-5 during the second quarter groundwater gauging event. This value did not match historical data for MW-5 and was not used to generate contour lines on the June 22, 2020 groundwater map.

The recovery well construction and installation is significantly different between the monitoring wells and recovery wells and is the most likely cause of historical anomalous groundwater elevation readings when comparing the two (2) types of well constructions monitored. Therefore, the groundwater elevation data for RW-4 and RW-5 was not used for the generation of the groundwater contour maps for 2020 (**Figures 3.3a through 3.3d**) and will not be utilized for contour maps in the future.

The 2020 quarterly groundwater elevation data is provided in **Table 2.2** and hydrographs, with groundwater elevation data from 2016 to 2020, are provided in **Figures 3.4a-d**. Historical water level data and hydrographs for the monitoring wells are provided in **Appendix B-1**.

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, filtration, and granular activated carbon treatment.

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 2020 was approximately 6.72 gallons per minute (gpm). The 2020 average flow rate is slightly lower when compared to the average flow rate for 2019 (7.10 gpm); however, it is higher than the average flow rate of the system from the previous five (5) years (5.72 gpm between 2015 and 2019). The system up-time for 2020 was approximately 99.2%. Aside from normal down-time for routine maintenance checks, other issues that caused additional down-time were electrical repairs to the S-4 pump and controls, electrical repairs to the sump alarm system, and the replacement of pH probes. Approximately 3,529,006 gallons of groundwater were treated and discharged to the Town of Tonawanda Wastewater Treatment Facility during 2020. Based on the average annual sampling data from the remedial system sumps and the total gallons treated and discharged by the system in 2020, approximately 0.323 pounds of VOCs, 1.097 pounds of SVOCs, 0.002 pounds of pesticides, and 0.037 pounds of PCBs were removed in 2020. Mass removal data is provided in **Table 3.3**. No surface overflows were observed from the trench during the reporting period.

The 2020 groundwater elevation data is 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 and a 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**.



The elevation of the stream gauge in the Niagara River was resurveyed in October 2020 and this elevation data was utilized to update the 2019 and 2020 hydrographs. Water table elevations for the nine (9) observation wells and the four (4) sumps in 2020 remained higher than the surface water elevation of the Niagara River (consistent with historical trends) with the exception of the elevations documented in S-1 in the 2nd, 3rd, and 4th Quarters of 2021.

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 2020 Intermediate/Deep Aquifer

- In the intermediate/deep groundwater samples from MW-1 through MW-7 and RW-5, groundwater concentrations did not exceed Class GA WQSG for any VOCs. Benzene was detected at a concentration exceeding Class GA WQSG at 11 µg/L in RW-4. Total Xylenes exceeded Class GA WQSG at 5.7 µg/L in RW-4.
- In the intermediate/deep groundwater samples from MW-1 through MW-7 and RW-5, groundwater concentrations did not exceed Class GA WQSG for any SVOCs. Naphthalene was the only SVOC detected at a concentration exceeding Class GA WQSG at 18 µg/L in RW-4.
- PCBs were not detected in concentrations exceeding Class GA WQSG in intermediate/deep samples collected in the first quarter 2020 sampling event.

5.2 October 2020 Intermediate/Deep Aquifer

- In the intermediate/deep groundwater samples from MW-1 through MW-7 and RW-5, groundwater concentrations did not exceed Class GA WQSG for any VOCs. Benzene was detected at a concentration exceeding Class GA WQSG at 12 µg/L in RW-4. Ethylbenzene exceeded Class GA WQSG at 6.2 µg/L in RW-4.
- SVOC analytes were not detected in concentrations exceeding Class GA WQSG.

5.3 March 2020 Shallow Groundwater

VOCs were not detected in concentrations exceeding Class GA WQSG in S-1 and S-3 during the March sampling event. Class GA WQSG concentration standards for VOC's were exceeded in the following shallow groundwater samples.

- Vinyl Chloride concentration exceeded in S-2 at 4.6 µg/L.
- Total Xylenes concentration exceeded in S-4 at 7.1 µg/L.

SVOC analytes were not detected in concentrations exceeding Class GA WQSG in samples S-1 or S-2. SVOC analytes were detected in concentrations exceeding Class GA WQSG in S-3 and S-4 and are summarized below:

- 2,4-Dimethylphenol concentration exceeded in S-3 at 25 µg/L and in S-4 at 19 µg/L.
- 2-Methylphenol concentration exceeded in S-3 at 8.0 µg/L and in S-4 at 5.3 µg/L.
- 4-Methylphenol concentration exceeded in S-3 at 13 µg/L and in S-4 at 5.5 µg/L.

- Naphthalene concentration exceeded in S-4 at 19 µg/L.

Pesticides were not detected in concentrations exceeding Class GA WQSG in sample S-1. Pesticides were detected in concentrations exceeding Class GA WQSG in samples S-2, S-3, and S-4 and are summarized below:

- Dieldrin concentration exceeded in S-2 at 0.012 µg/L and in S-3 at 0.011 µg/L.
- Alpha-BHC concentration exceeded in S-4 at 0.016 µg/L.
- Beta-BHC concentration exceeded in S-4 at 0.048 µg/L.

PCBs were not detected in concentrations exceeding Class GA WQSG in sample S-1. PCBs were detected in concentrations exceeding Class GA WQSG in samples S-2, S-3, and S-4 and are summarized below:

- Aroclor-1232 concentration exceeded in S-4 at 5.1 µg/L.
- Aroclor-1242 concentration exceeded in S-2 at 0.59 µg/L and in S-3 at 0.86 µg/L.

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

- Iron concentration exceeded in S-1 at 510 µg/L and S-4 at 710 µg/L.
- Sodium concentration exceeded in S-2 at 32,800 µg/L, in S-3 at 149,000 µg/L, and in S-4 at 201,000 µg/L.

Concentrations of the RCRA-8 listed metals were below Class GA WQSG in all shallow groundwater samples collected in the first quarter 2020 sampling event.

5.4 October 2020 Shallow Groundwater

VOCs were not detected in concentrations exceeding Class GA WQSG in samples collected in S-1, S-3, or S-4. VOC analytes were detected in concentrations exceeding Class GA WQSG in S-2 and are summarized below:

- Vinyl Chloride concentration exceeded in S-2 at 9.7 µg/L.

SVOC analytes were not detected in concentrations exceeding Class GA WQSG in sample S-2. SVOC analytes were detected in concentrations exceeding Class GA WQSG in S-1, S-3, and S-4 and are summarized below:

- 2,4 – Dimethylphenol concentration exceeded in S-1 at 38 µg/L, S-3 at 49 µg/L, and S-4 at 24 µg/L.
2-Methylphenol concentration exceeded in S-1 at 1.3 µg/L, S-3 at 20 µg/L, and S-4 at 9.2 µg/L.
- 4-Methylphenol concentration exceeded in S-3 at 41 µg/L.



Pesticides were not detected in concentrations exceeding Class GA WQSG in samples collected in the fourth quarter 2020 sampling event.

PCBs were not detected in concentrations exceeding Class GA WQSG in S-2. PCBs were detected in concentrations exceeding Class GA WQSG in S-1, S-3, and S-4 and are summarized below:

- Aroclor-1232 concentration exceeded in S-4 at 2.6 µg/L.
- Aroclor-1242 concentration exceeded in S-1 at 0.24 µg/L and S-3 at 0.63 µg/L.

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

- Iron concentration exceeded in S-1 at 4,900 µg/L.
- Manganese concentration exceeded in S-1 at 660 µg/L.
- Sodium concentration exceeded in S-1 at 71,500 µg/L, S-2 at 65,500 µg/L, S-3 at 181,000 µg/L, and S-4 at 180,000 µg/L.

Concentrations of the RCRA-8 listed metals were below Class GA WQSG in all shallow groundwater samples collected in the fourth quarter 2020 sampling event.

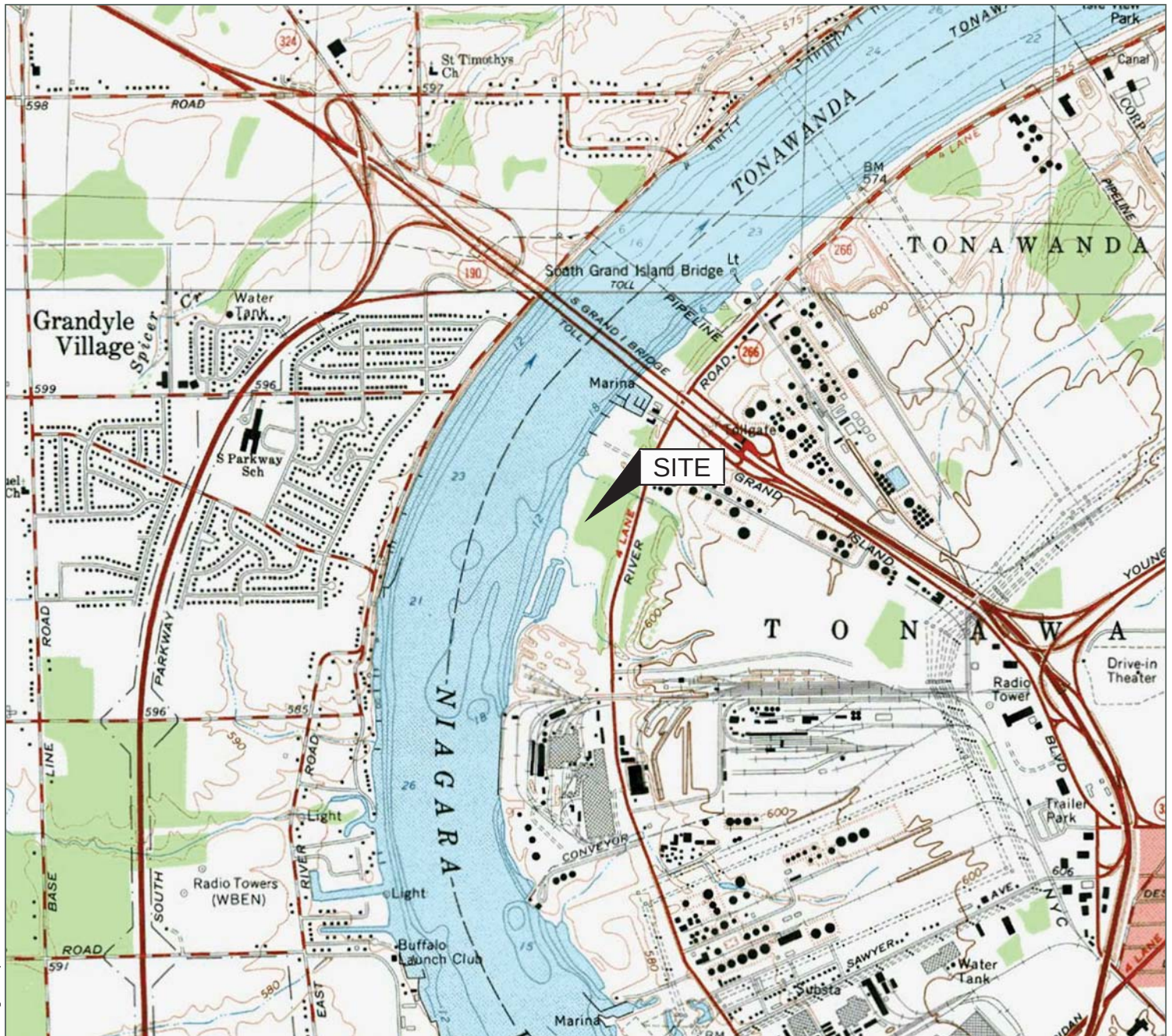
5.5 Other Conclusions/Recommendations

- There was no surface water present in any of the surface water sampling points at the time of the 2020 sampling events.
- Based on the elevation of the water table 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' quarterly cap inspections.
- Routine monthly Site inspections and quarterly cap inspections shall continue to confirm that the engineering controls remains effective.
- During system operation, the average flow rate for 2020 was approximately 6.72 gpm. The 2020 average flow rate is slightly lower when compared to the average flow rate for 2019 (7.10 gpm); however, it is higher than the average flow rate of the system from the previous five (5) years (5.72 gpm between 2015 and 2019). The system up-time for 2020 was approximately 99.2%. Approximately 3,529,006 gallons of groundwater were treated and discharged to the Town of Tonawanda Wastewater Treatment Facility during 2020. Based on the annual sampling data from the remedial system sumps and the total gallons treated and discharged by the system in 2020, approximately 0.323 pounds of VOCs, 1.097 pounds of SVOCs, 0.002 pounds of pesticides, and 0.037 pounds of PCBs were removed in 2020. No surface overflows were observed from the trench during the reporting period.

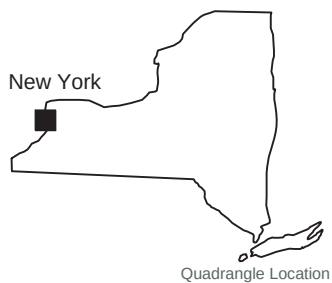
- Monthly analytical discharge data for the reporting period indicates that the treatment system had been operating/discharging in accordance with the Town of Tonawanda sewer discharge permit. The signed permit is included in **Appendix D**.
- In November 2019, the chemical reduction plan was implemented in order to reduce the volume of chemical utilized by the treatment system and increase safety of the system operation. Work was performed in accordance with Chemical Reduction Plan, dated October 20, 2019. Monthly adjustments were made until January, 2020 when the targeted pH of 4.0 was achieved. All discharge samples collected from the system during the increase in operational pH of the system indicated that discharge is within permitted limits. The system is functioning normally under the new, higher operational pH conditions (lowest operating pH of 4.0).
- The United States Army Corps of Engineers (USACOE) has identified the Site as a potential location for enhanced shoreline restoration. This is being directed by the USACOE who is exploring funding opportunities for this work.
- 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



Source:
 USGS 7.5 Minute Series
 Topographic Quadrangle, 1965
 Buffalo NW, New York
 Contour Interval = 10'



Quadrangle Location

Site Location Map

Cherry Farm
 (River Road Site)
 4100 River Road
 Tonawanda, New York

Drawn
 W.G.S.
 Designed
 Approved



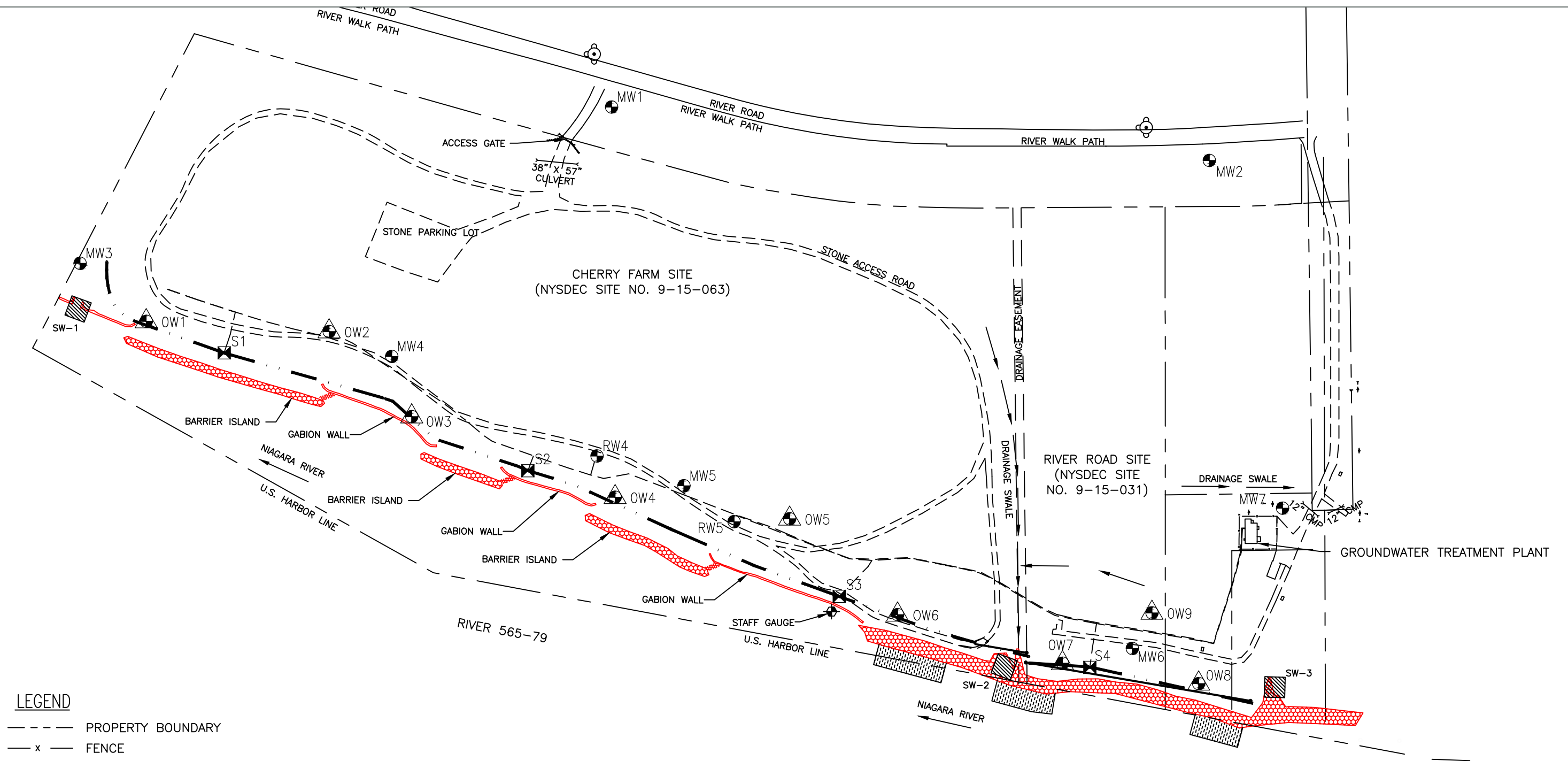
Scale In Feet



Groundwater & Environmental Services, Inc.

Date
 5/15/18
 Figure
 1

M:\Graphics\0900-Buffalo\Misc\Cherry Farms\Tonawanda\Cherry Farms (Tonawanda) SM.dwg, Template B3, wshea



- LEGEND**
- PROPERTY BOUNDARY
 - x - FENCE
 - ☒ TRENCH SUMP
 - MONITORING WELL
 - ▲ OBSERVATION WELL
 - · - · - SHALLOW GROUNDWATER TRENCH
 - - - - GROUNDWATER CONVEYANCE PIPING

Site Map

Cherry Farm
(River Road Site)
4100 River Road
Tonawanda, New York

Drawn
W.G.S.
Designed
B.M.M.
Approved
T.P.



Scale In Feet
0 250



Date
11/17/20
Figure
2



Figure 3.1a

Monitoring Well Concentrations - Total VOCs

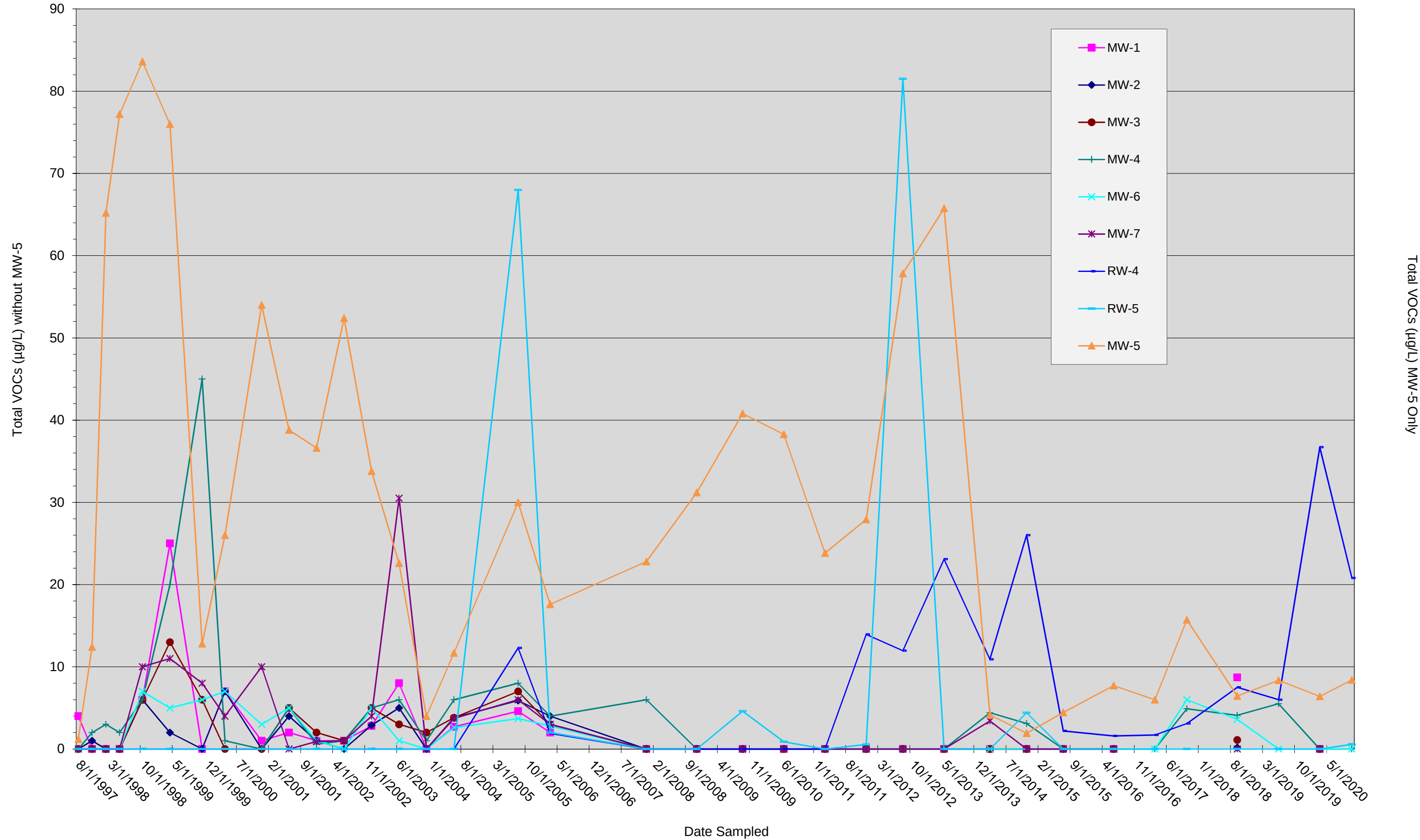
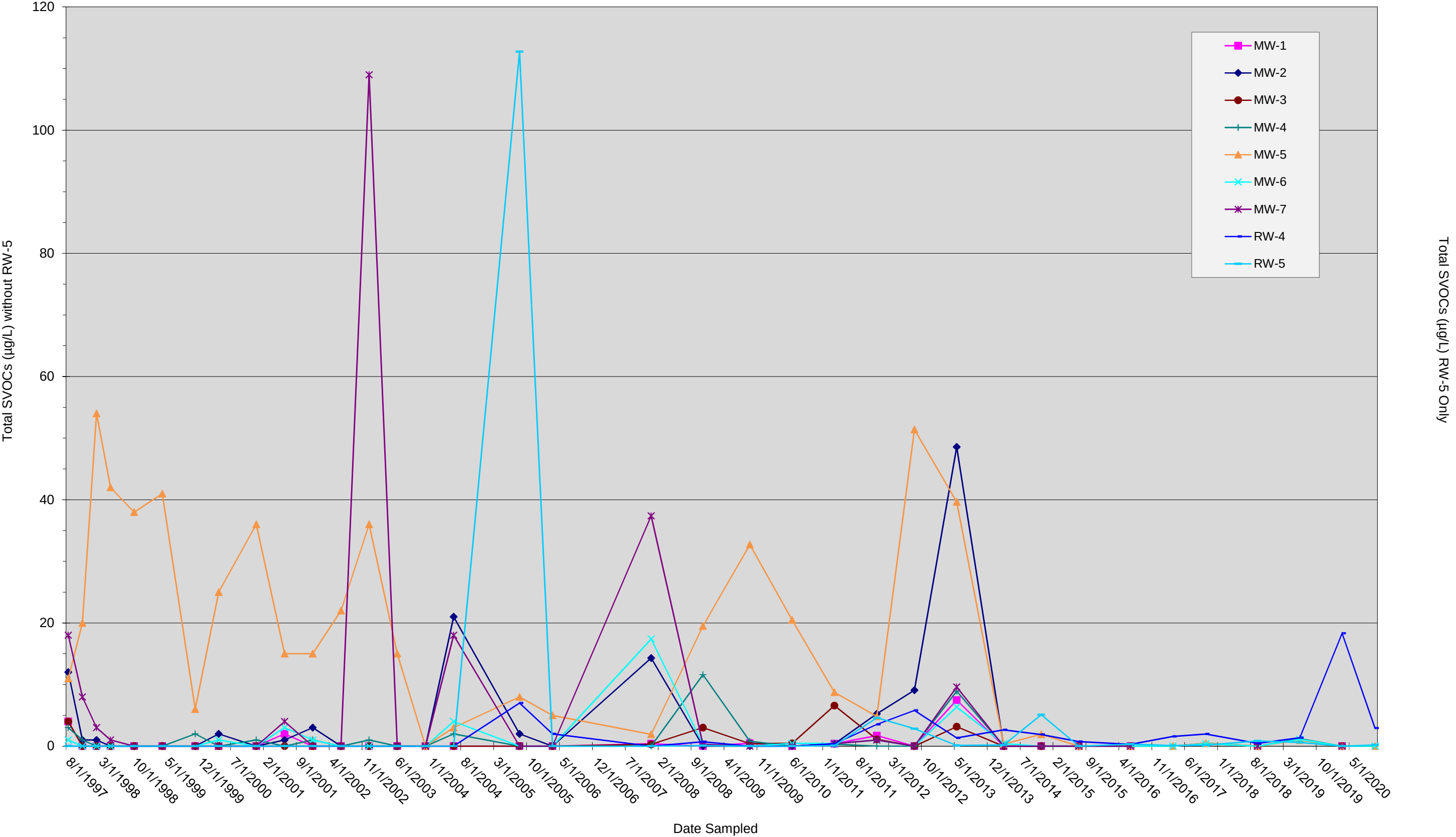




Figure 3.1b

Monitoring Well Concentrations - Total SVOCs



Monitoring Well Concentrations - Total PCBs

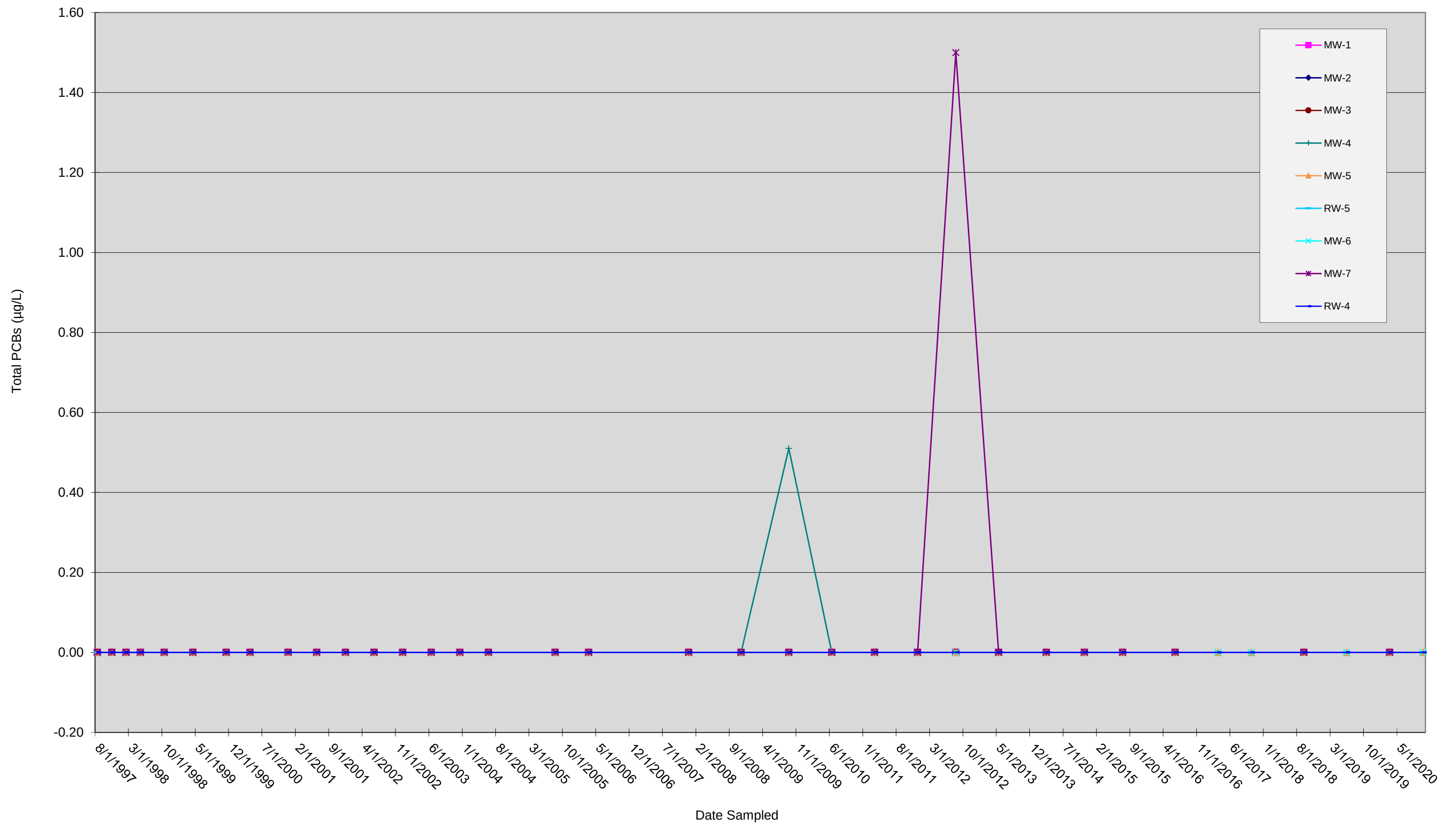




Figure 3.1d

Sump Concentrations - Total VOCs

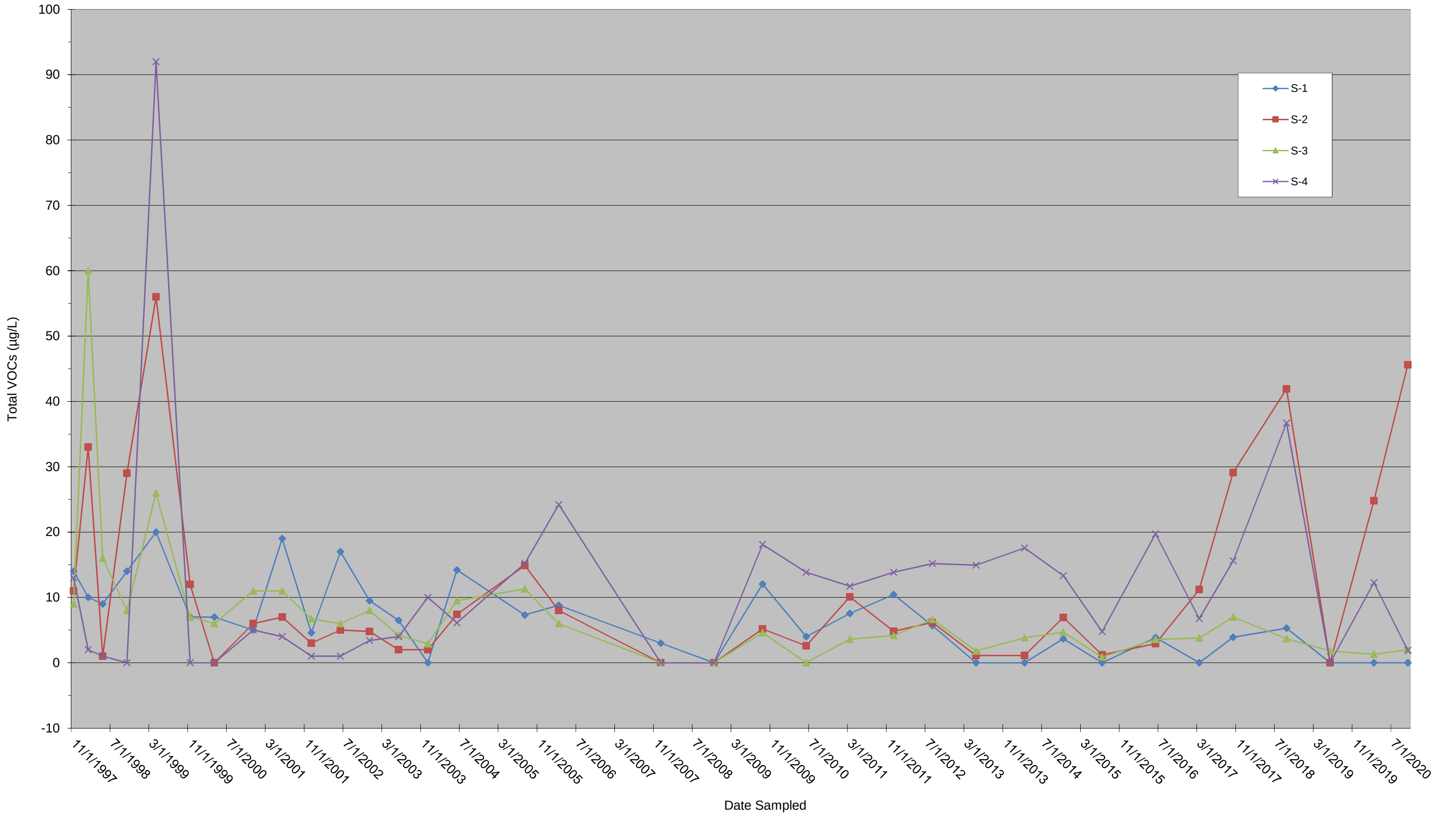




Figure 3.1e

Sump Concentrations - Total SVOCs

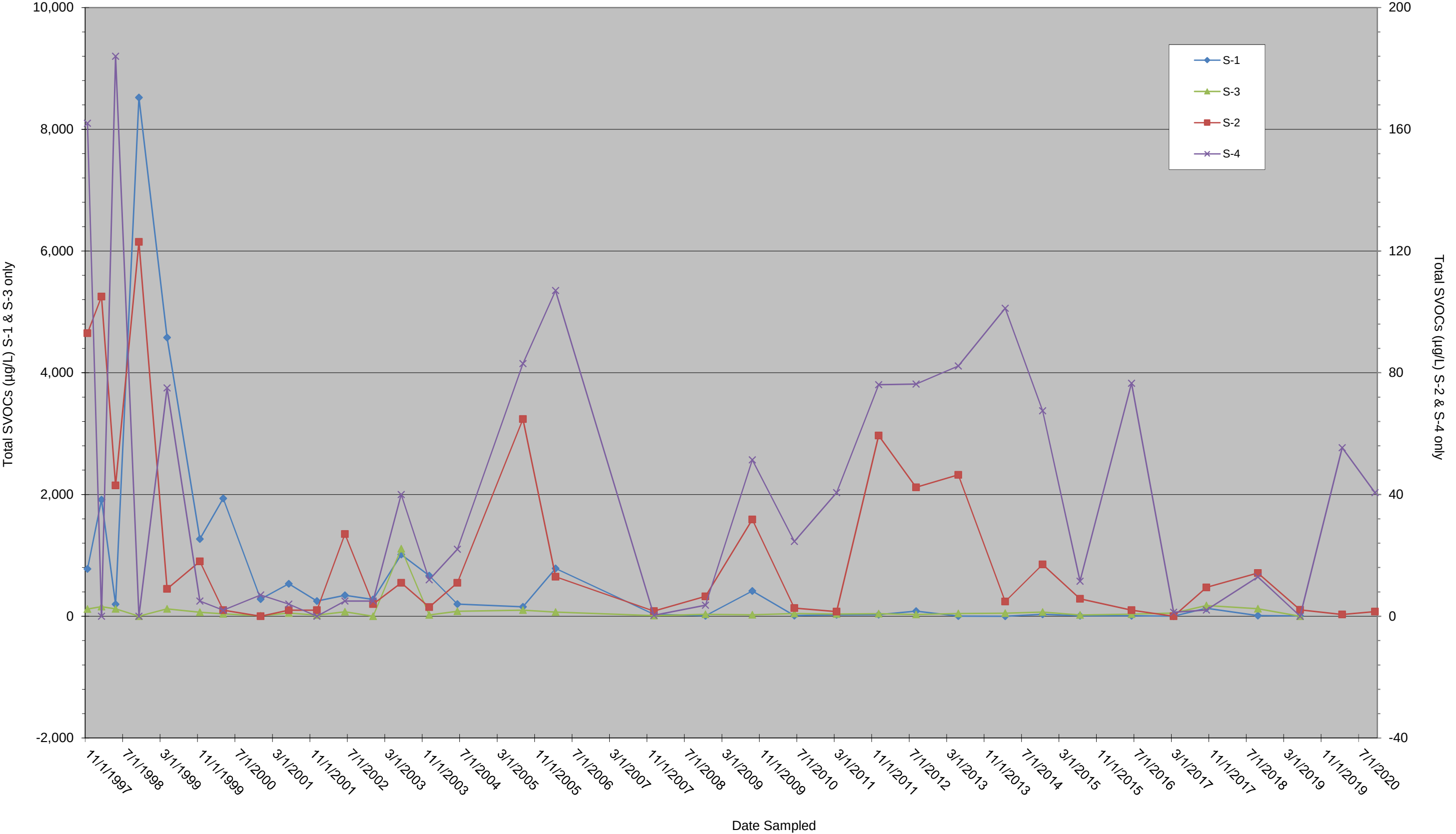




Figure 3.1f

Sump Concentrations - Total PCBs

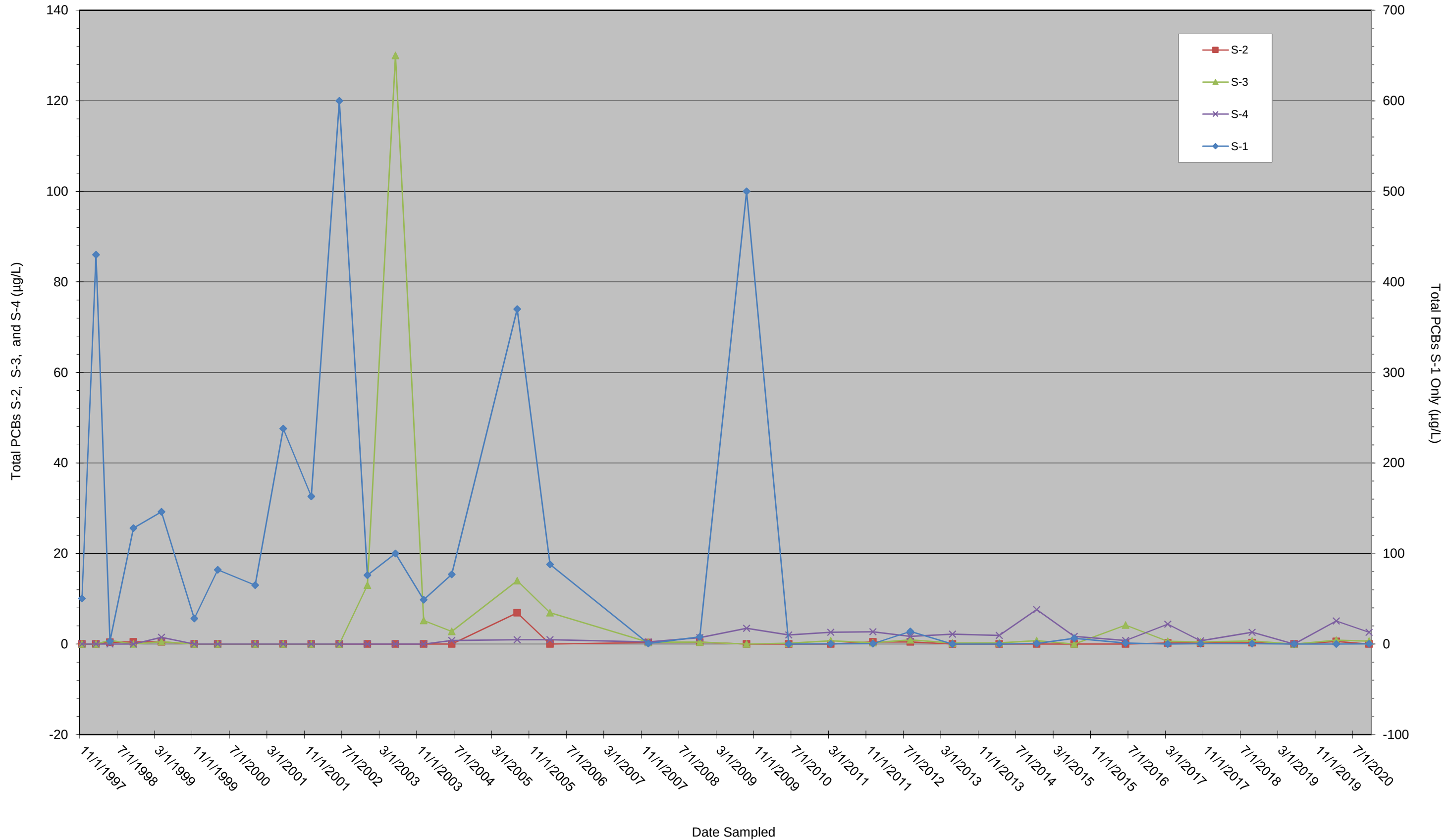




Figure 3.1g

Sump Concentrations - Total Pesticides

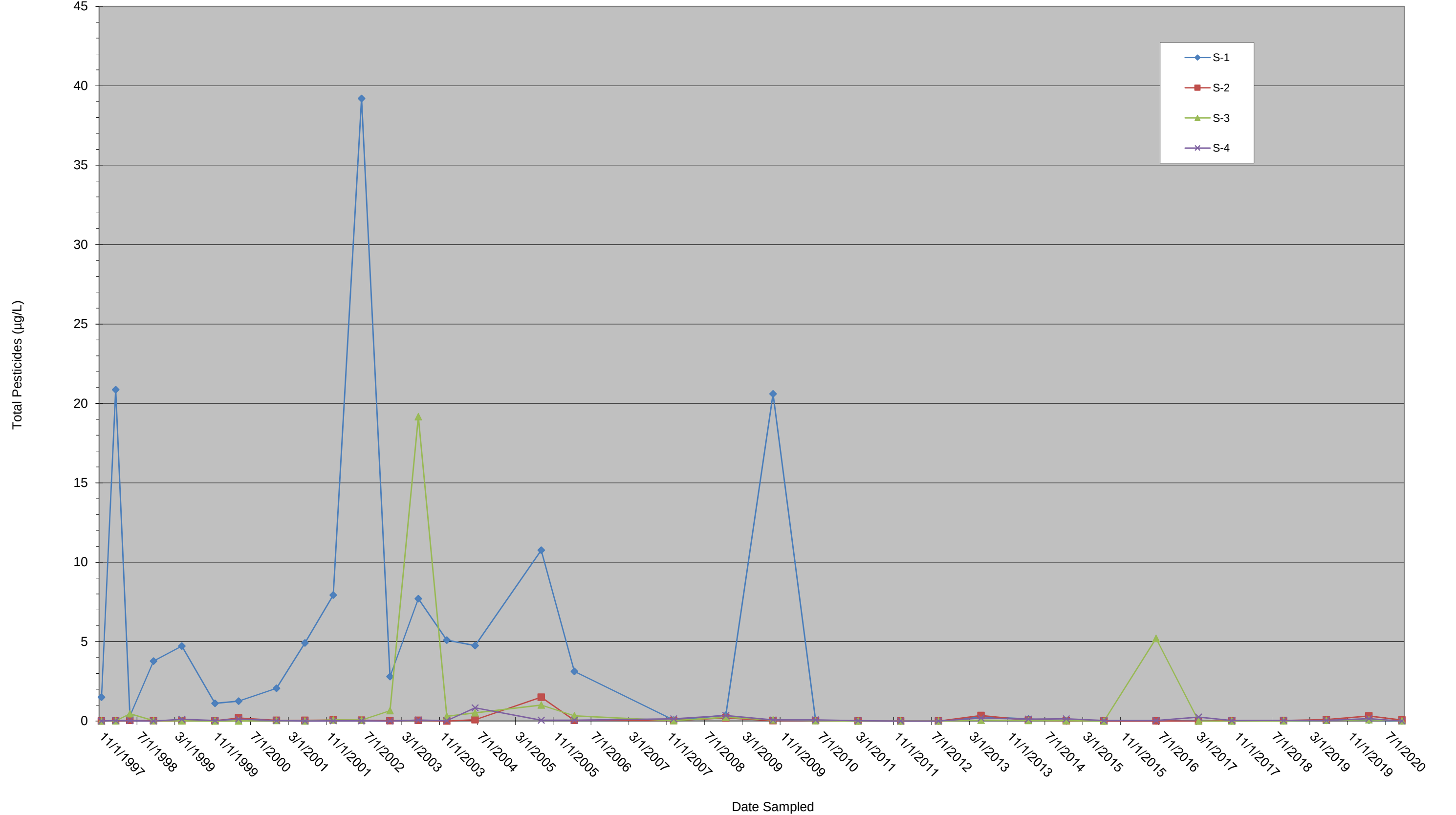




Figure 3.1h

Sump Concentrations - Total 8-RCRA Metals

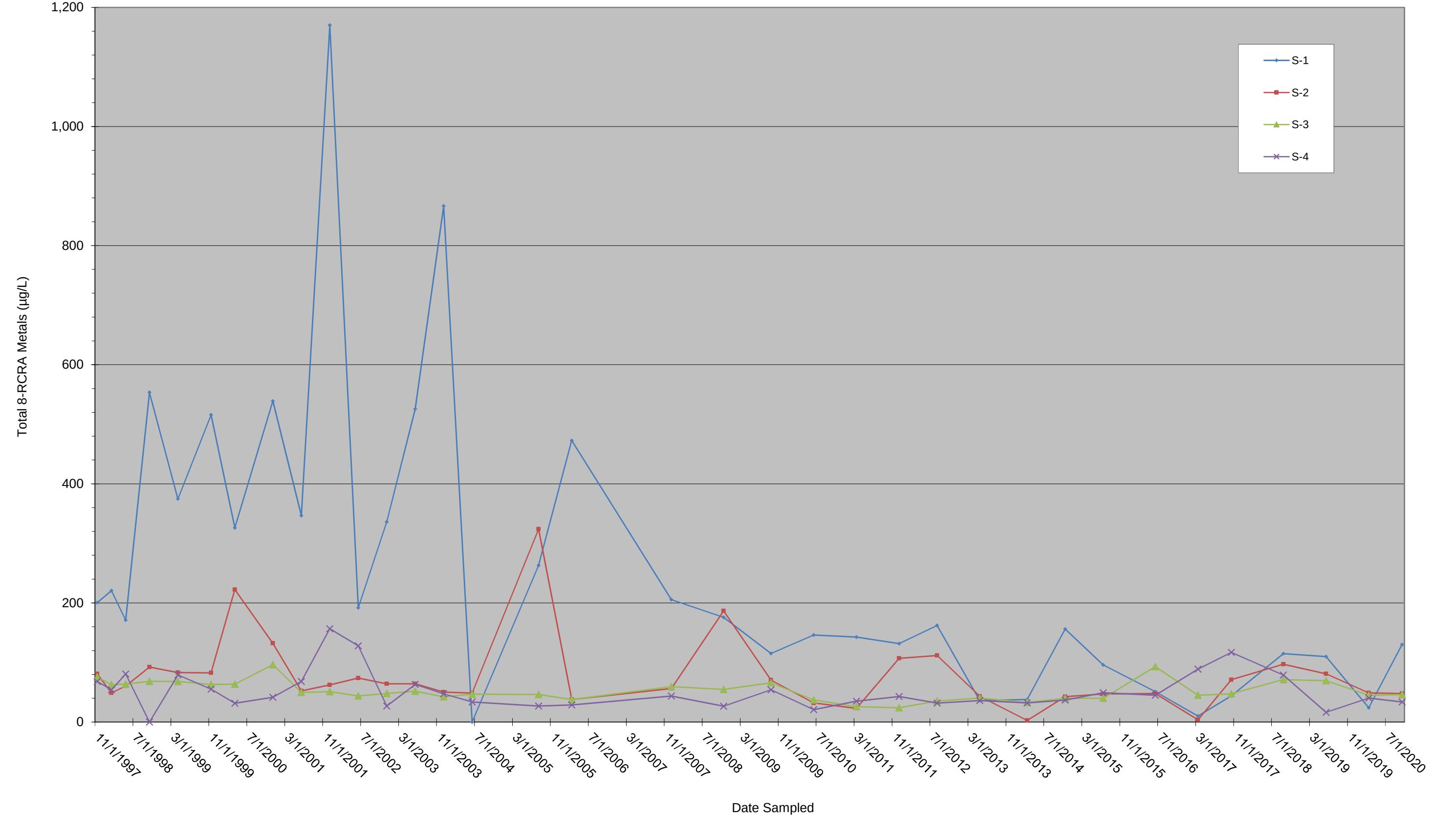




Figure 3.2a

Monitoring Well Trends - Total VOCs

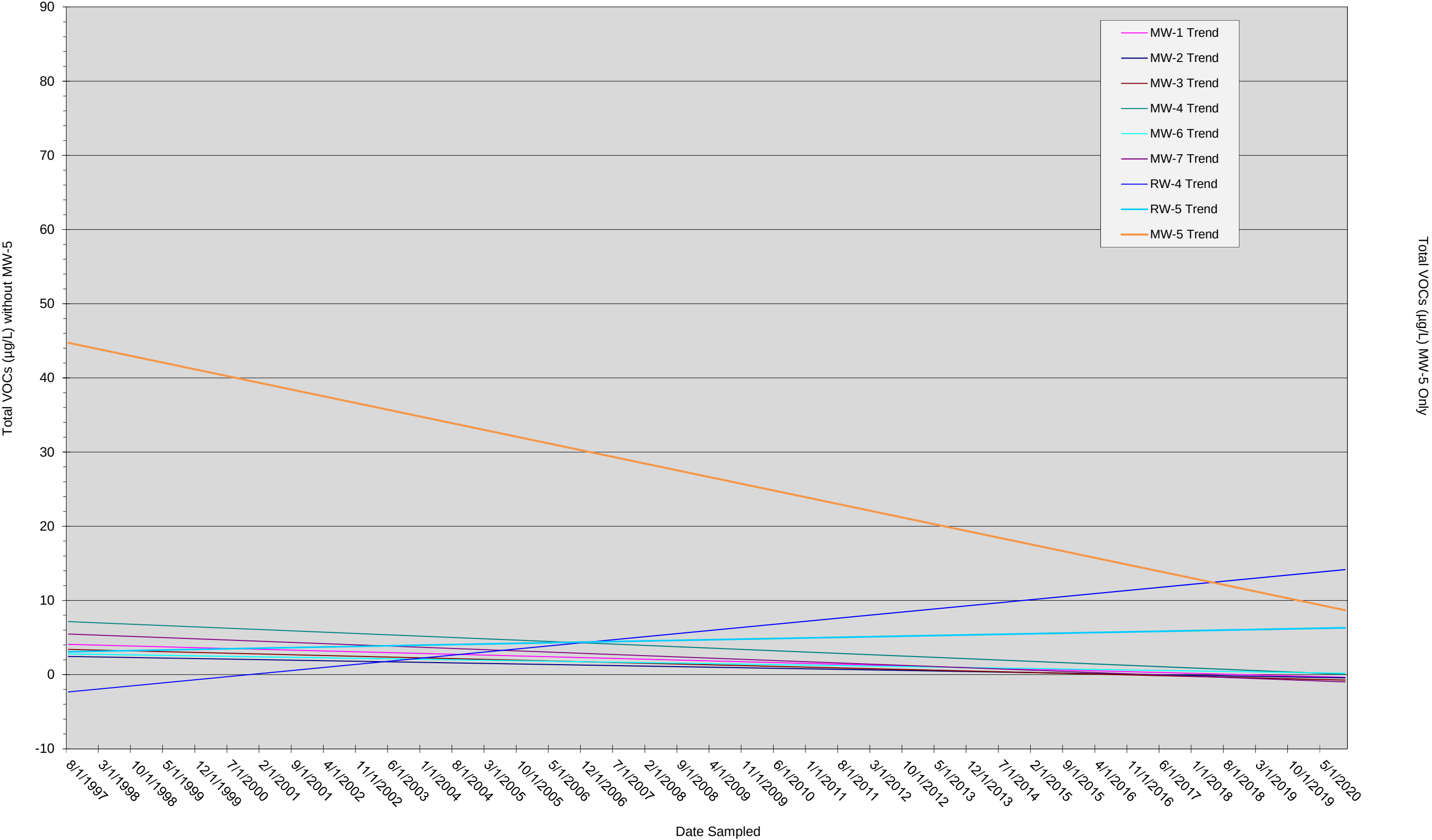




Figure 3.2b

Monitoring Well Trends - Total SVOCs

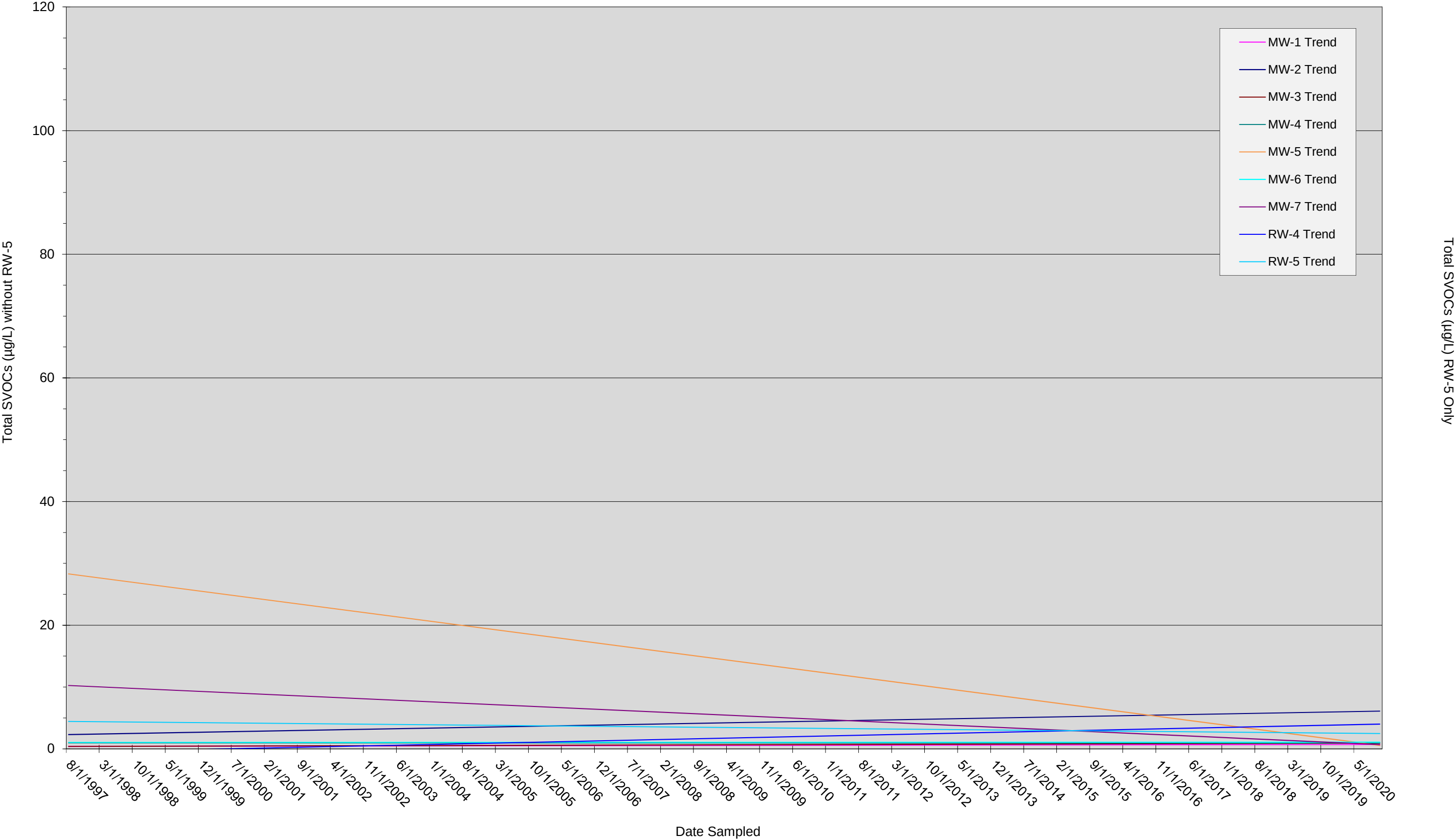
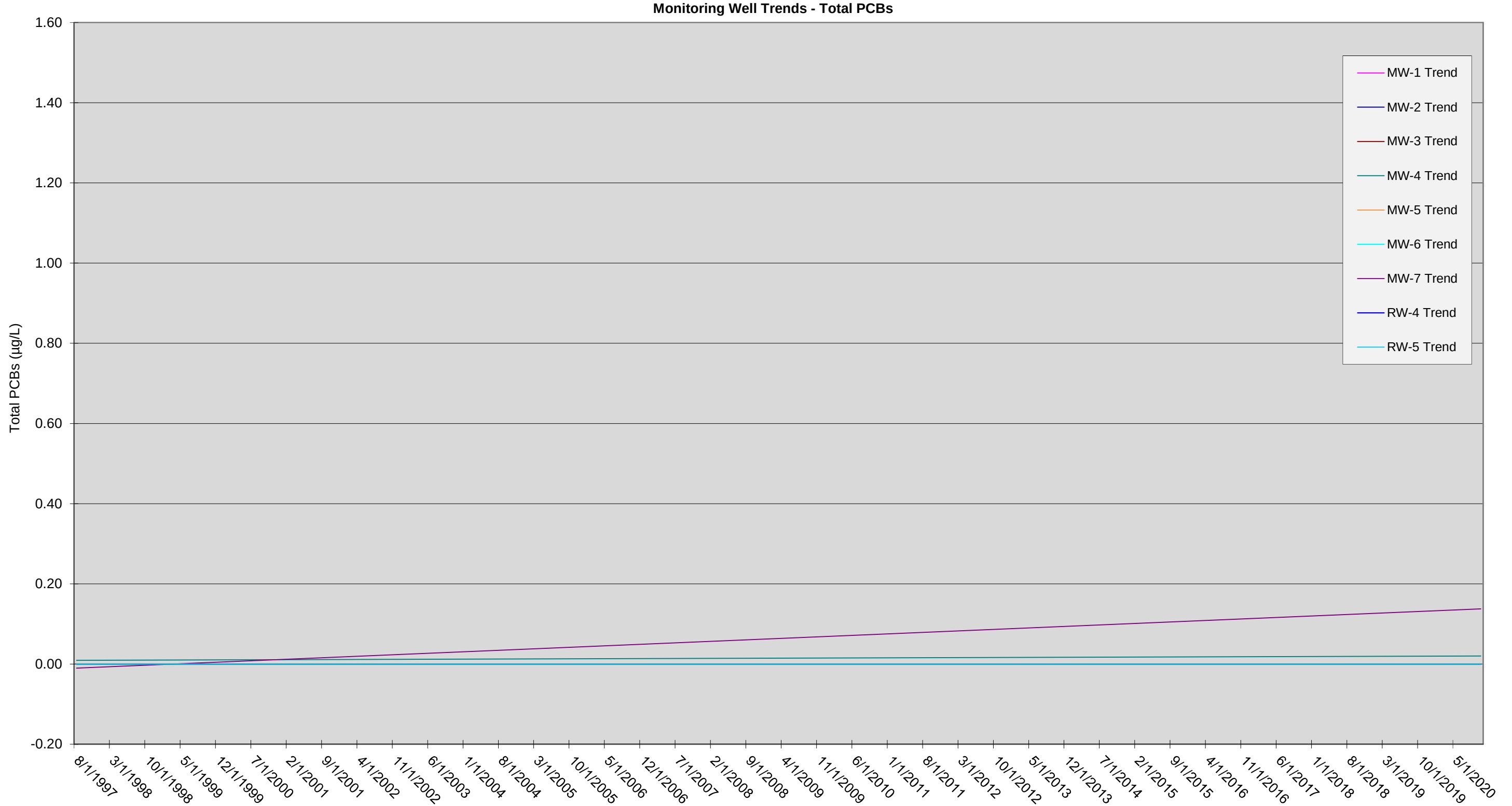




Figure 3.2c



Note 1: Wells MW-1, MW-2, MW-3, MW-5, MW-6, RW-4, and RW-5 were always historically non-detect for PCBs. Therefore, the trend line is identical for all wells along the X-axis are the individual trend lines are not visible.

Date Sampled

Note 2: Well MW-7 was historically non-detect for PCBs on all occasions except on 8/7/2012 with a detection of 1.50 µg/L. Therefore, the trend line appears to be increasing. However, PCBs have remained below detection limits since the 8/7/2012 sampling event.



Figure 3.2d
Sump Trends - Total VOCs

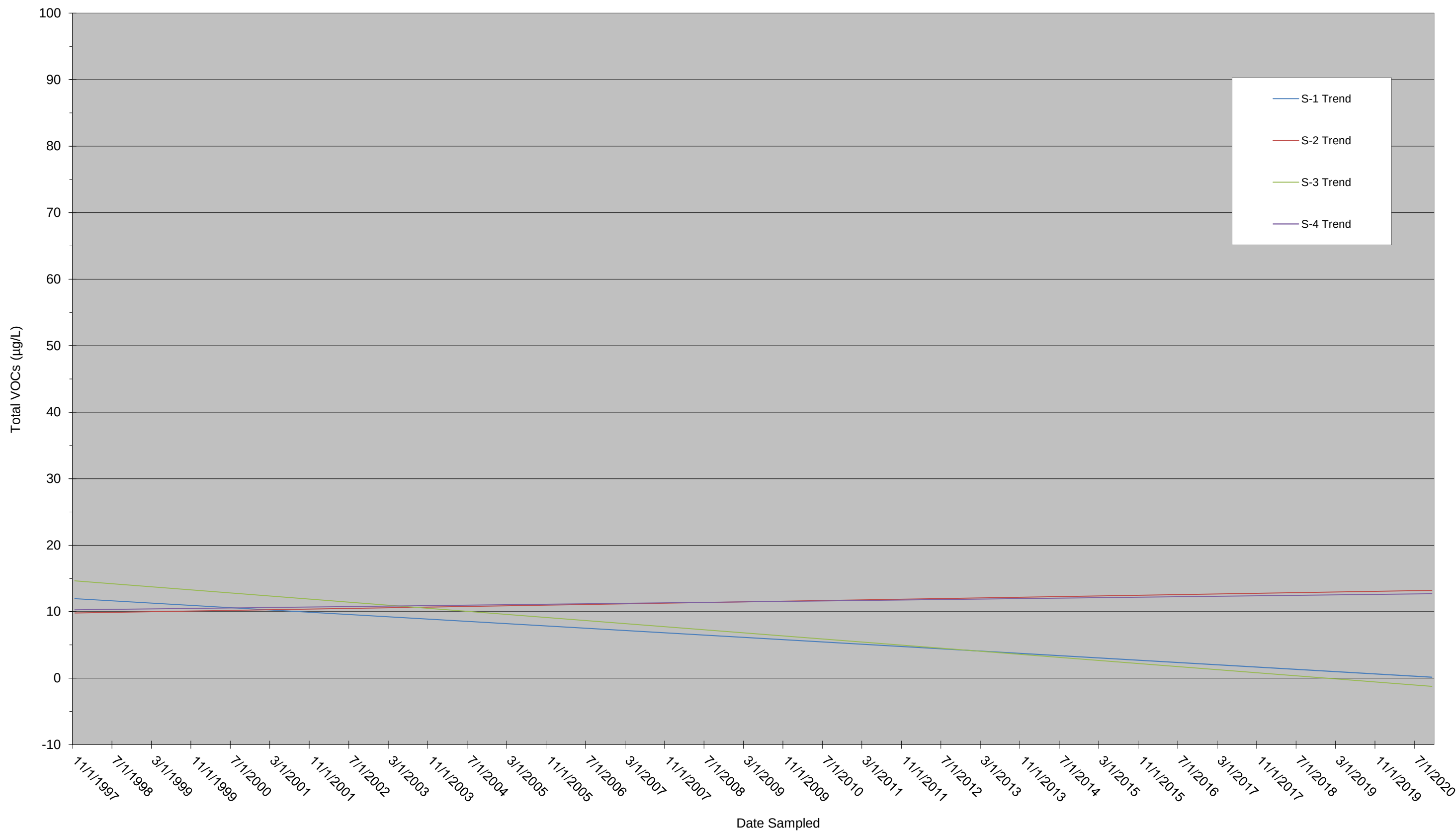




Figure 3.2e
Sump Trends - Total SVOCs

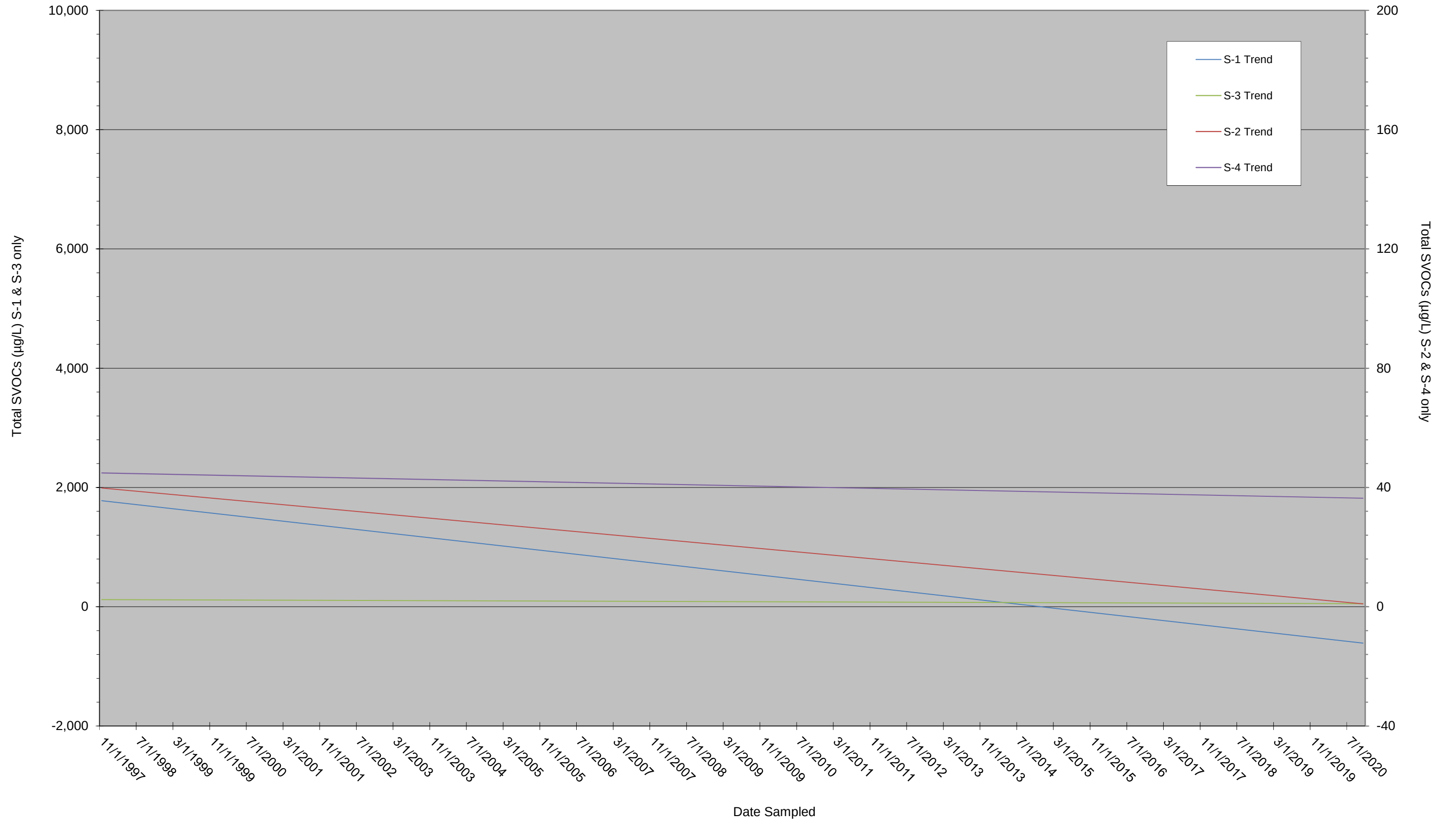




Figure 3.2f

Sump Trends - Total PCBs

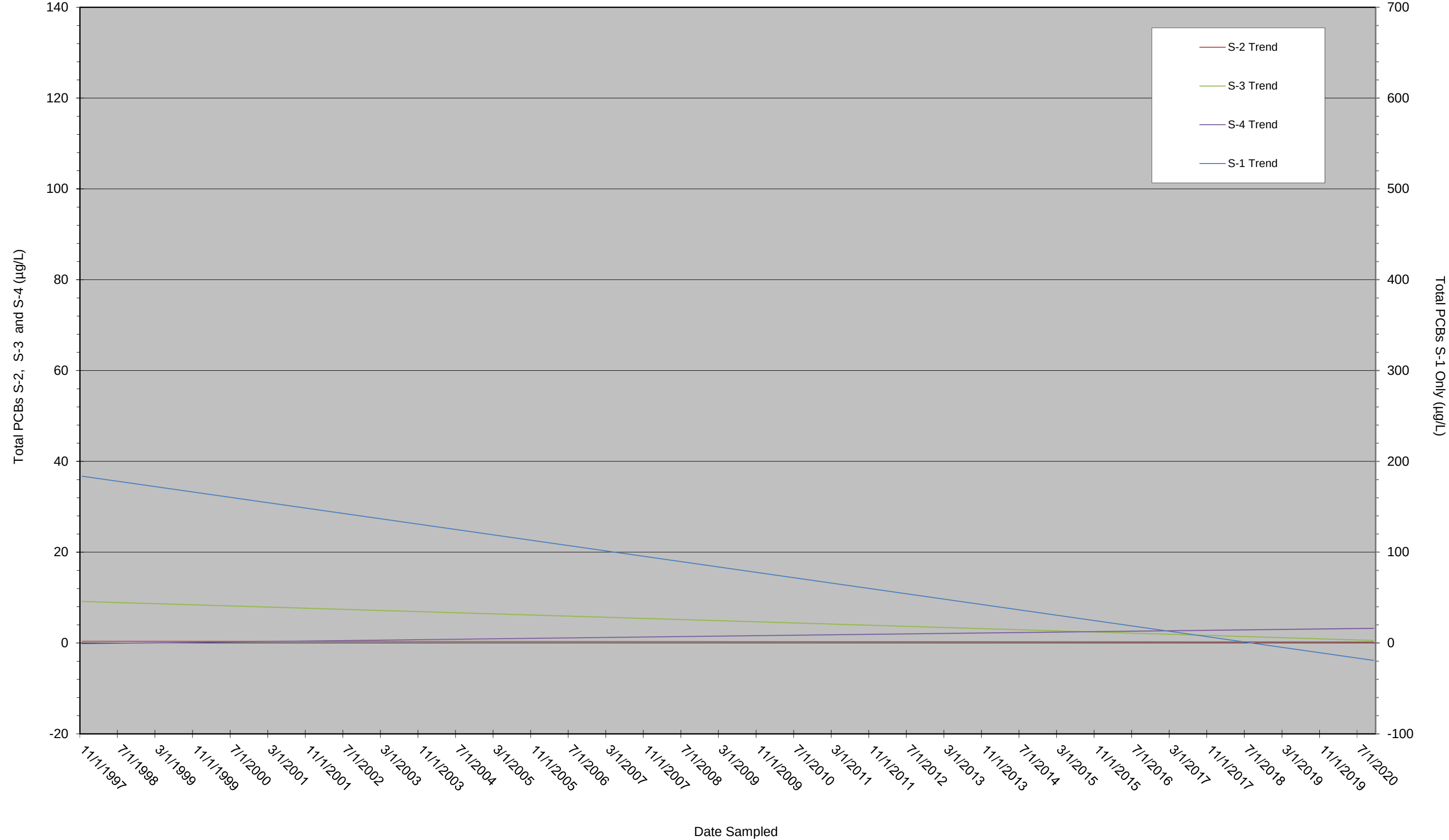




Figure 3.2g

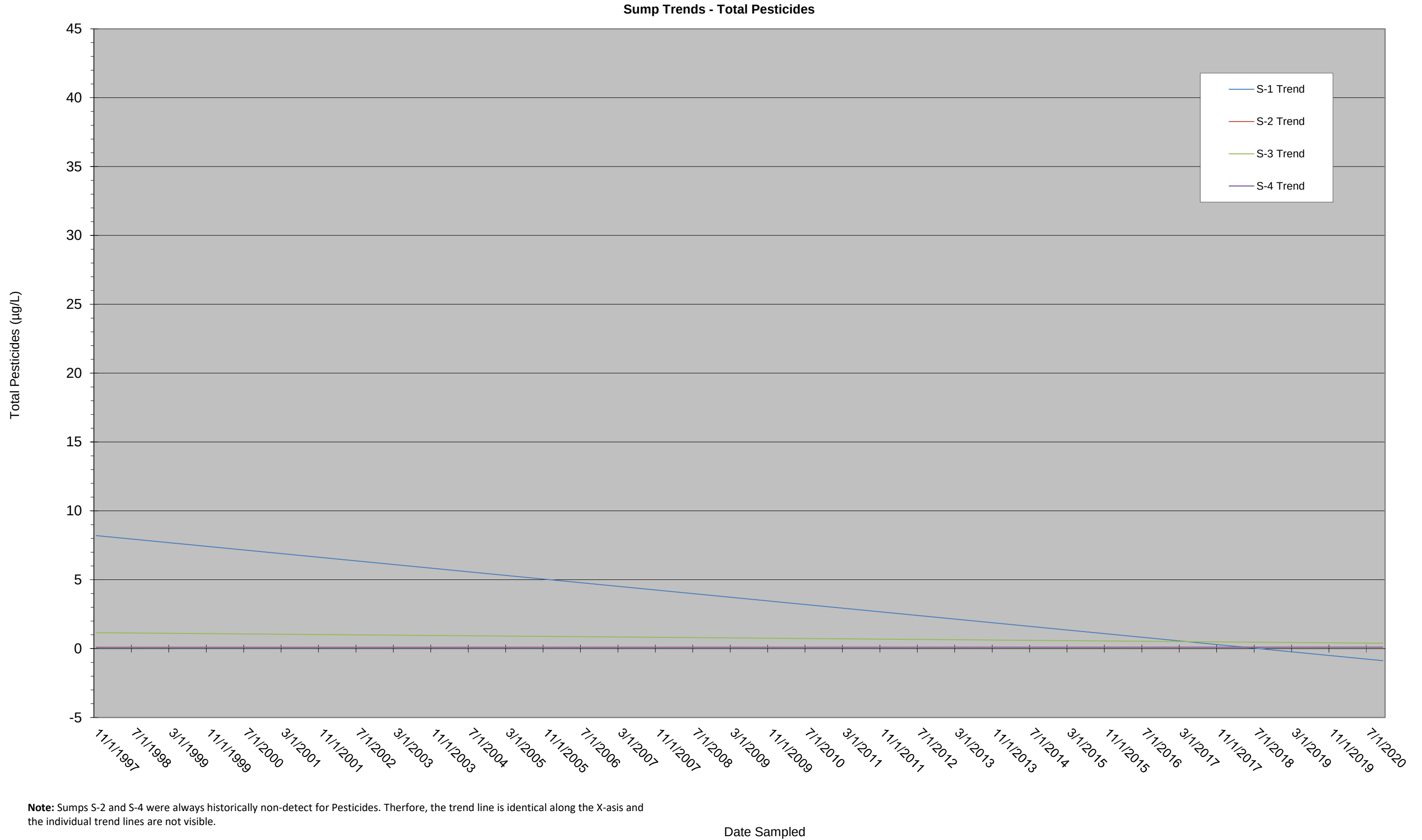
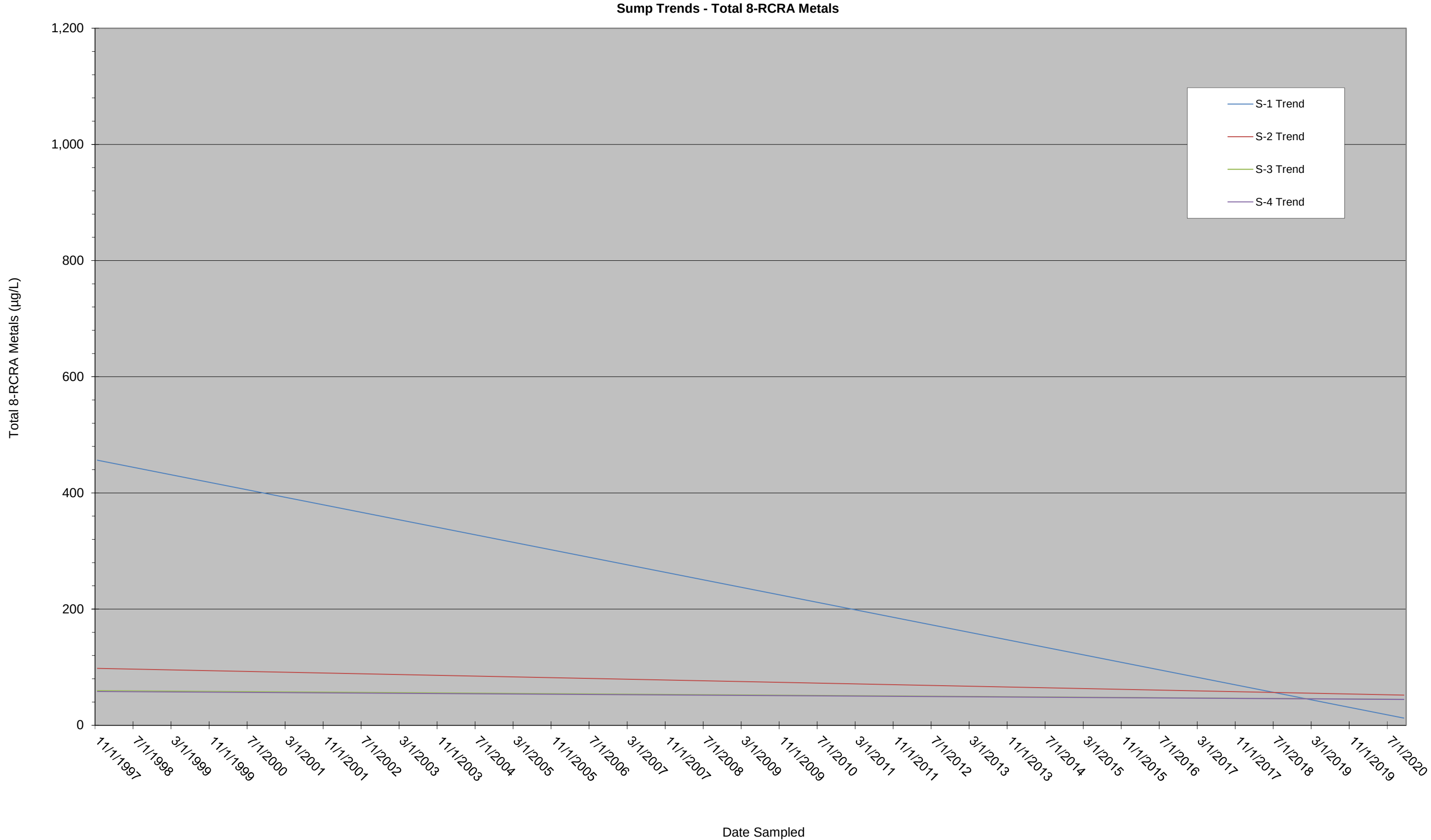
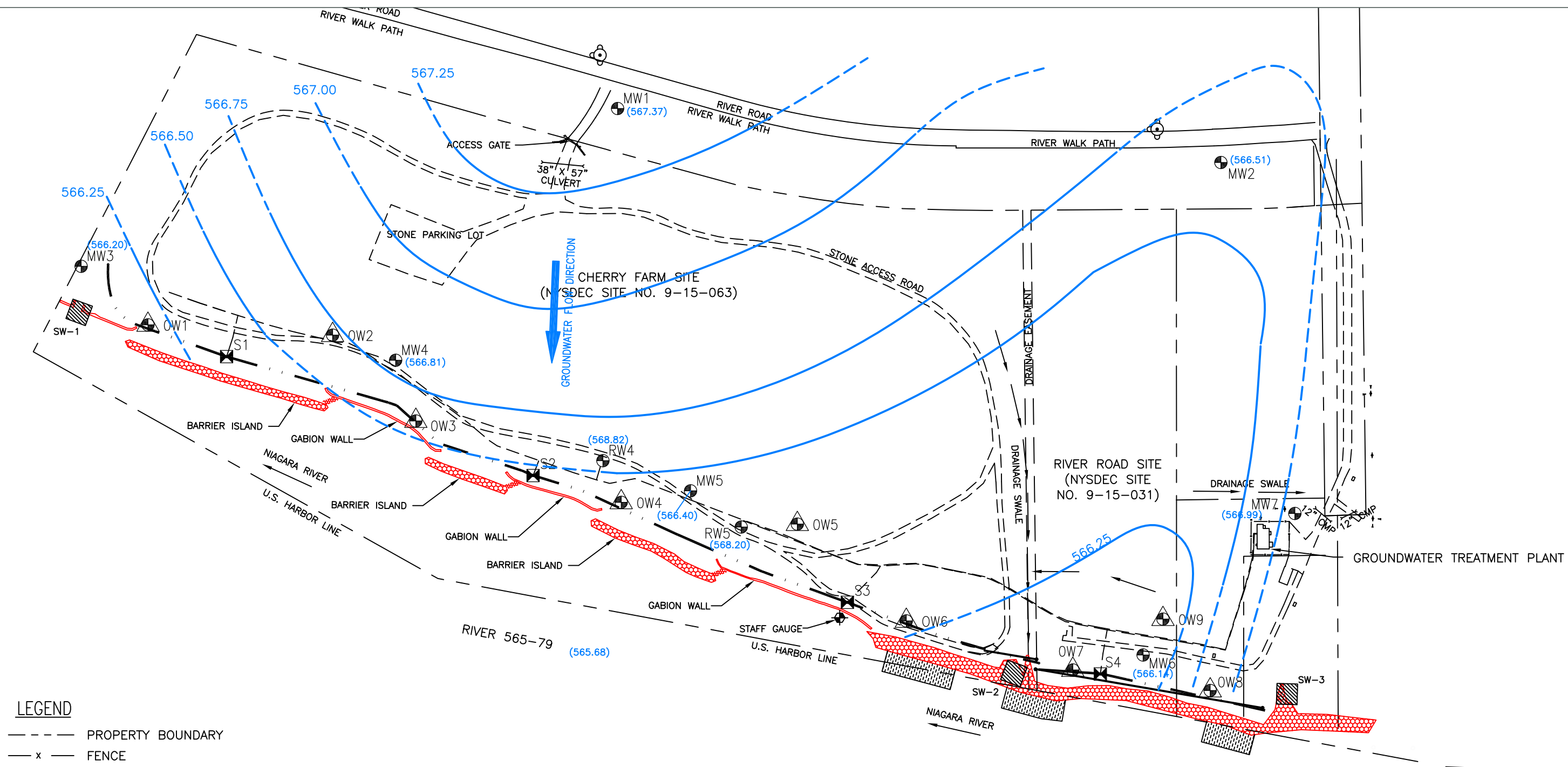




Figure 3.2h



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LEGEND

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

NOTE:
RW4 AND RW5 WERE NOT USED TO GENERATE GROUNDWATER CONTOURS.

Groundwater Contour Map
March 16, 2020

Cherry Farm
(River Road Site)
4100 River Road
Tonawanda, New York

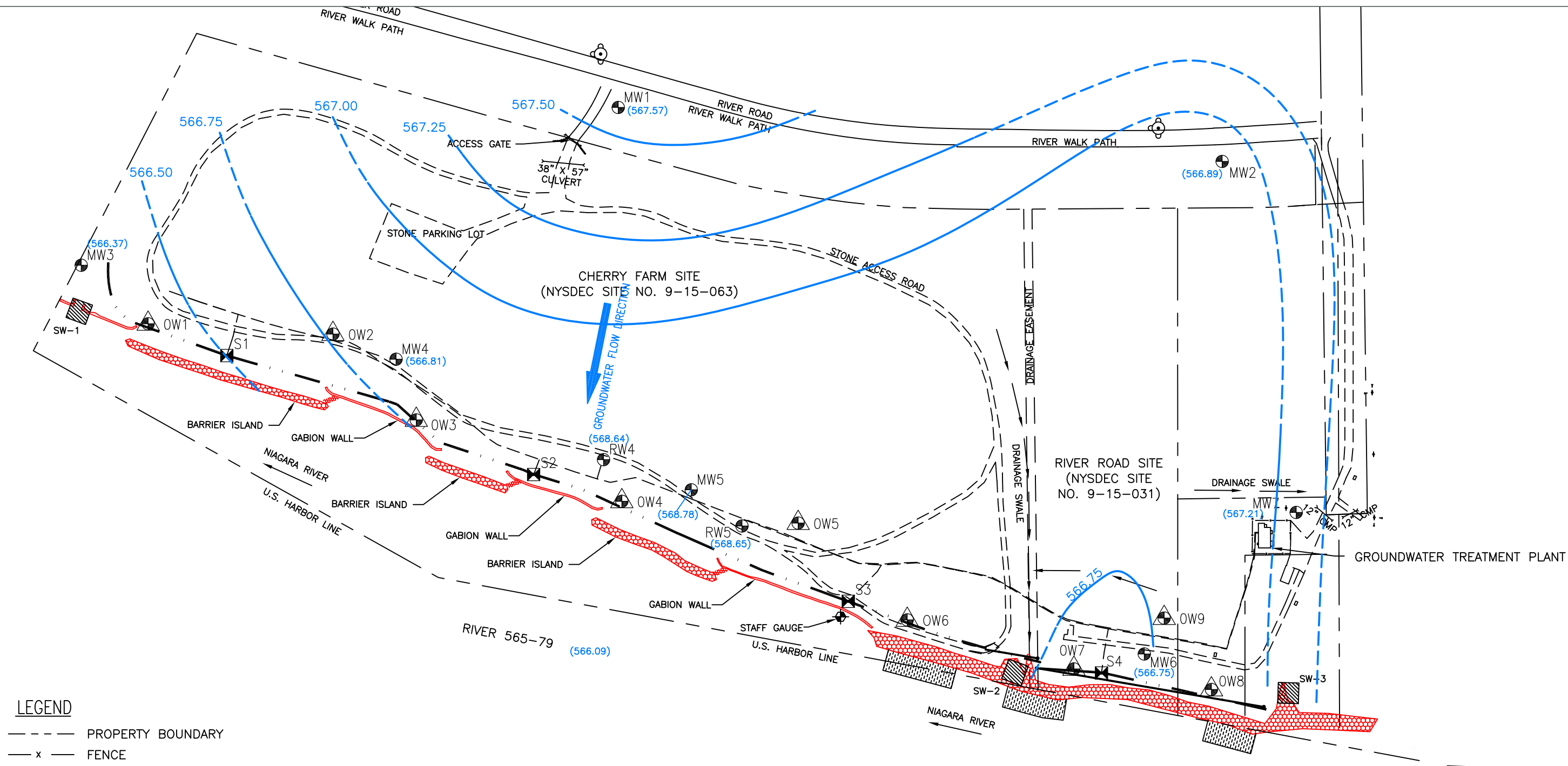
Drawn
W.G.S.
Designed
B.M.
Approved
T.P.

Date
1/28/21
Figure
3.3a

Scale In Feet
0 250

Groundwater & Environmental Services, Inc.

M:\Graphics\09000-Buffalo\Misc\Cherry Farms\Tonawanda\Cherry Farms (Tonawanda) SM.dwg, B250 sm, WShea



- LEGEND**
- PROPERTY BOUNDARY
 - x - FENCE
 - ☒ TRENCH SUMP
 - ⊕ MONITORING WELL
 - ⚠ OBSERVATION WELL
 - - - SHALLOW GROUNDWATER TRENCH
 - - - GROUNDWATER CONVEYANCE PIPING
 - (568.75) GROUNDWATER ELEVATION (feet NGVD)
 - GROUNDWATER CONTOUR (feet NGVD)
DASHED WHERE INFERRED
 - NGVD NATIONAL GEODETIC VERTICAL DATUM 1929
 - NOT MEASURED

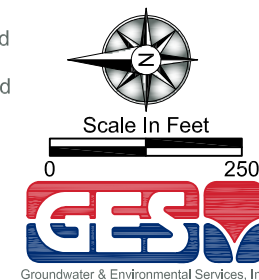
NOTE:
RW4, RW5 AND MW5 WERE NOT USED TO GENERATE GROUNDWATER CONTOURS.

Groundwater Contour Map
June 22, 2020

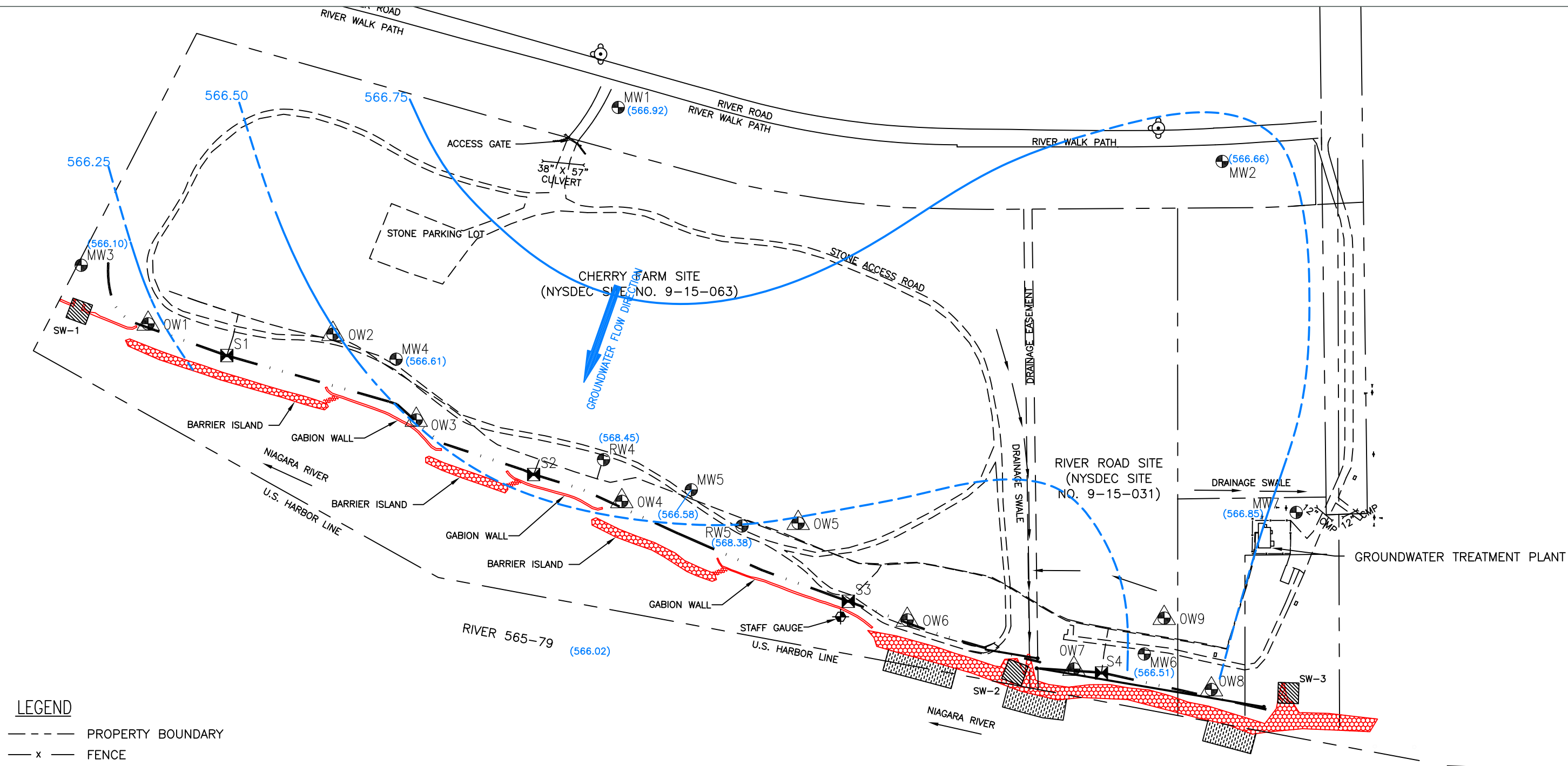
Cherry Farm
(River Road Site)
4100 River Road
Tonawanda, New York

Drawn
W.G.S.
Designed
B.M.
Approved
T.P.

Date
1/28/21
Figure
3.3b



M:\Graphics\09000-Buffalo\Misc\Cherry Farms (Tonawanda)\SM.dwg, B250 sm, W\Shea



- LEGEND**
- PROPERTY BOUNDARY
 - x - FENCE
 - ☒ TRENCH SUMP
 - ⊕ MONITORING WELL
 - ⚠ OBSERVATION WELL
 - . - SHALLOW GROUNDWATER TRENCH
 - - - GROUNDWATER CONVEYANCE PIPING
 - (568.75) GROUNDWATER ELEVATION (feet NGVD)
 - ~ GROUNDWATER CONTOUR (feet NGVD)
DASHED WHERE INFERRED
 - NGVD NATIONAL GEODETIC VERTICAL DATUM 1929
 - NOT MEASURED

NOTE:
RW4 AND RW5 WERE NOT USED TO GENERATE
GROUNDWATER CONTOURS.

Groundwater Contour Map
September 23, 2020

Cherry Farm
(River Road Site)
4100 River Road
Tonawanda, New York

Drawn
W.G.S.
Designed
B.M.
Approved
T.P.

Date
1/28/21
Figure
3.3c

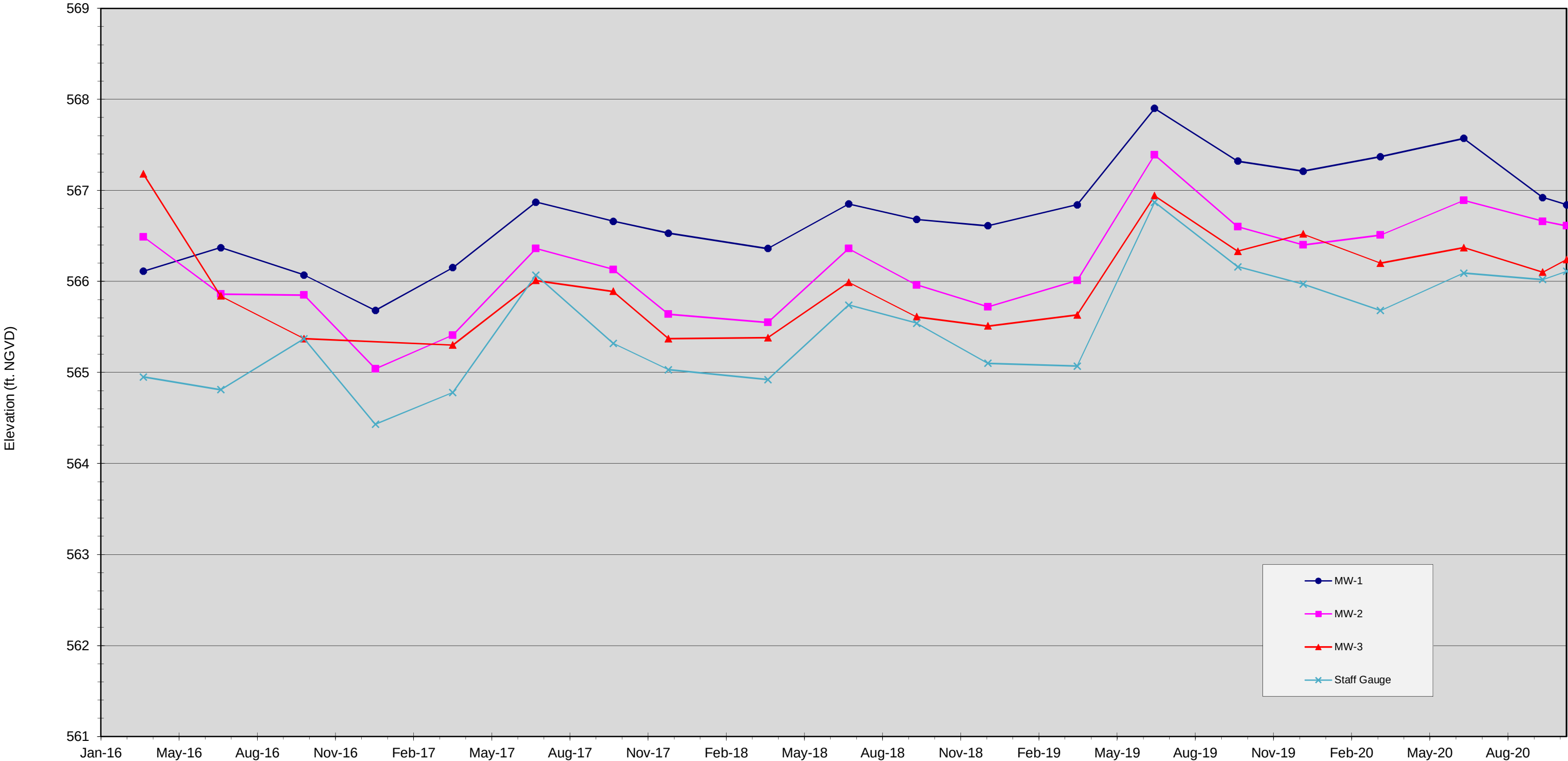
Scale In Feet
0 250

Groundwater & Environmental Services, Inc.



Figure 3.4a

Monitoring Well Hydrograph (2016-2020) MW-1, MW-2, MW-3, and Staff Gauge



- Site wells were resurveyed on June 7, 2019, the Staff Gauge was resurveyed on October 29, 2020
- 2019 Staff Gauge elevations were adjusted based on 2020 survey data.

Date Measured



Figure 3.4b

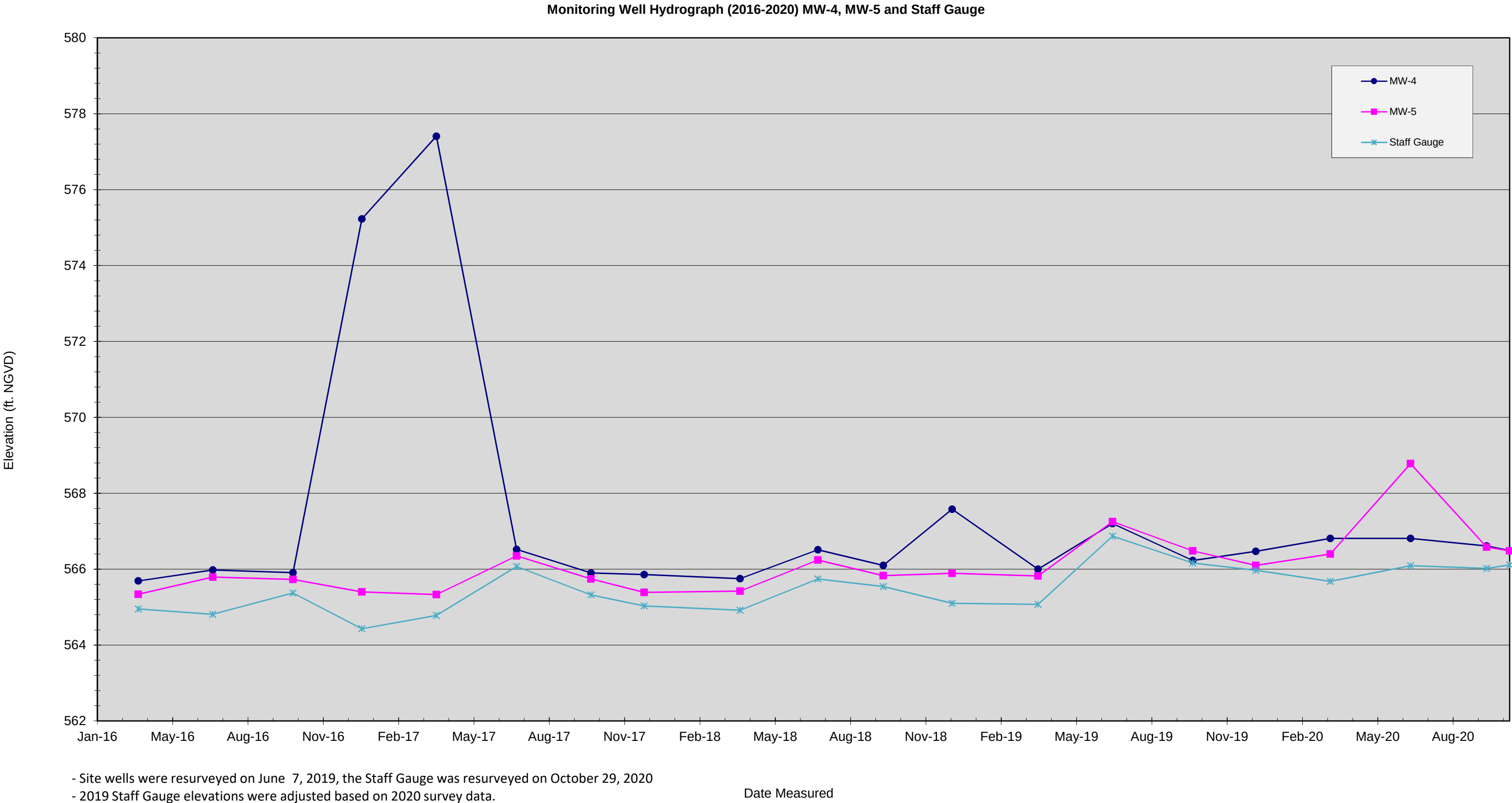




Figure 3.4c

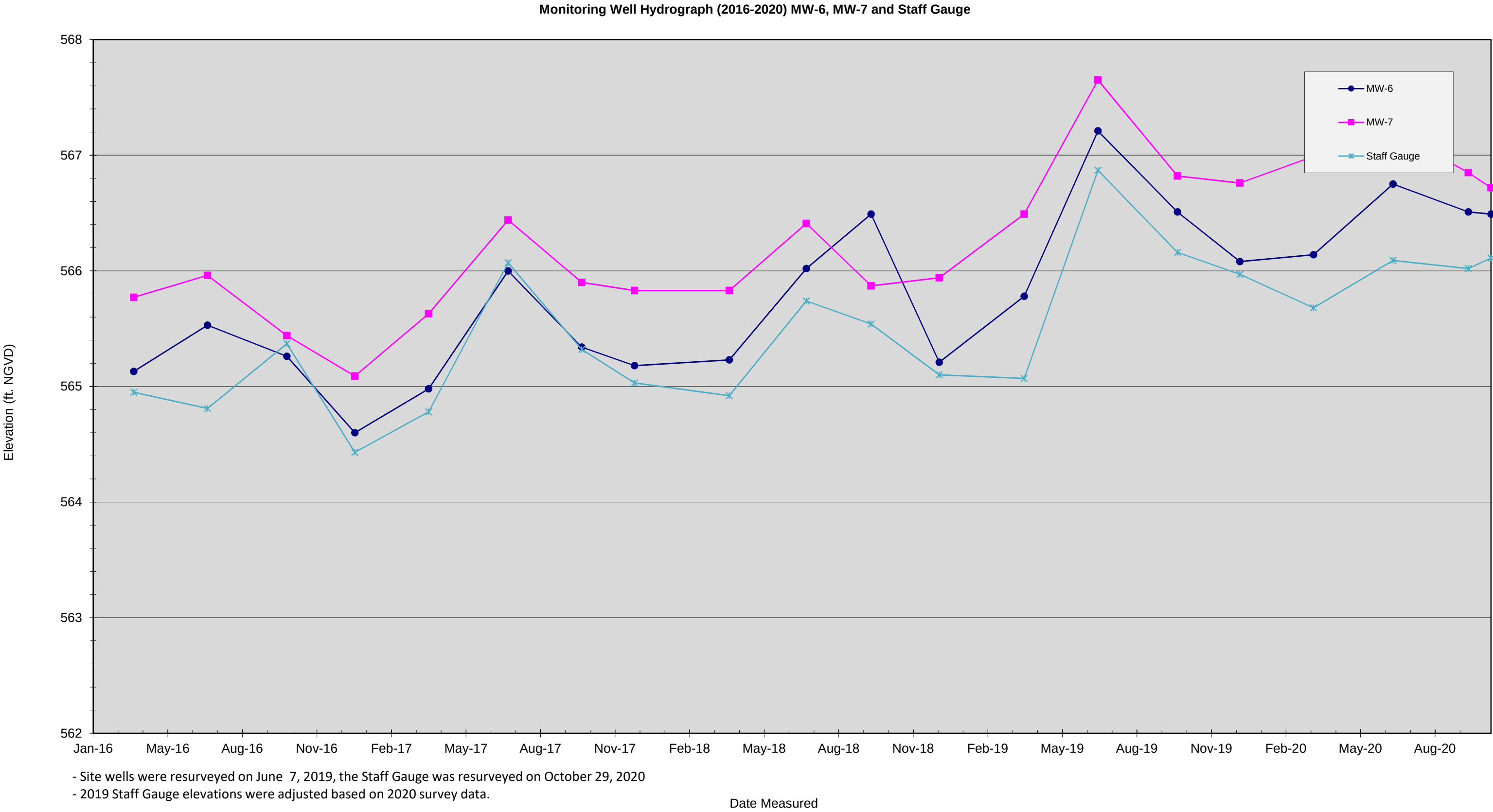




Figure 3.4d

Monitoring Well Hydrograph (2016-2020) RW-4, RW-5 and Staff Gauge

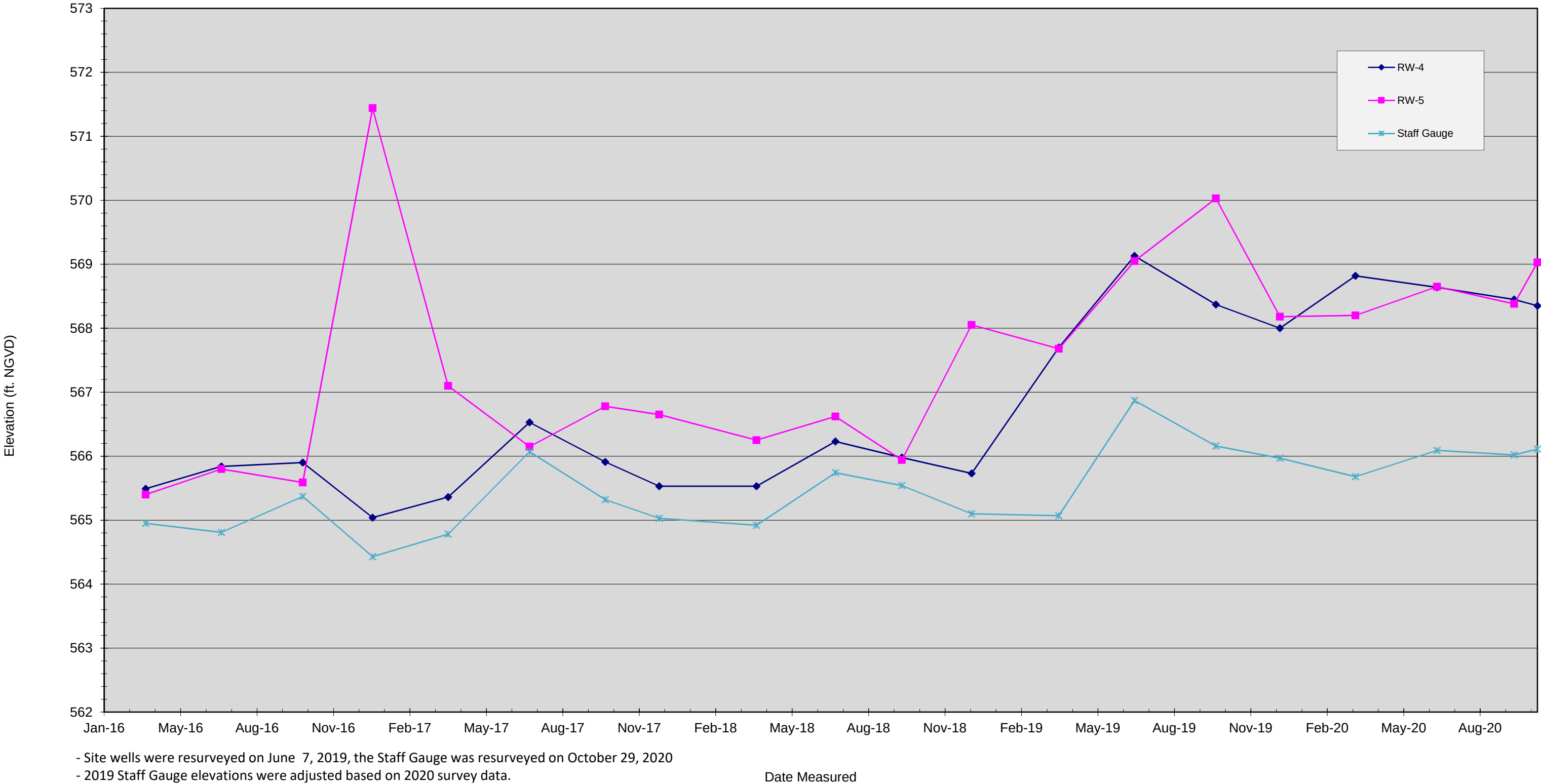




Figure 3.5a

Sump Hydrograph (2016-2020) S-1, S-2, S-3, S-4 and Staff Gauge

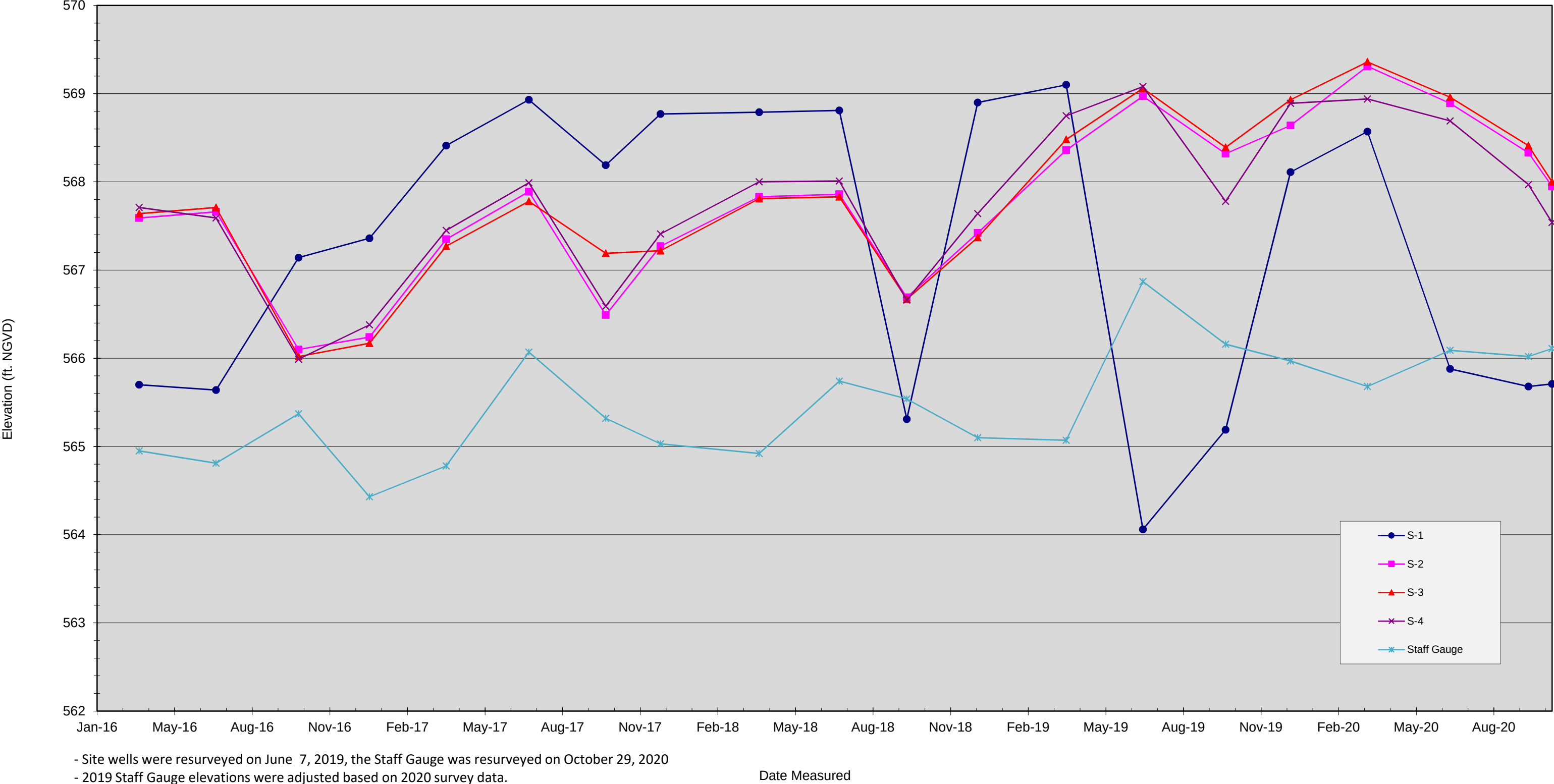




Figure 3.5b

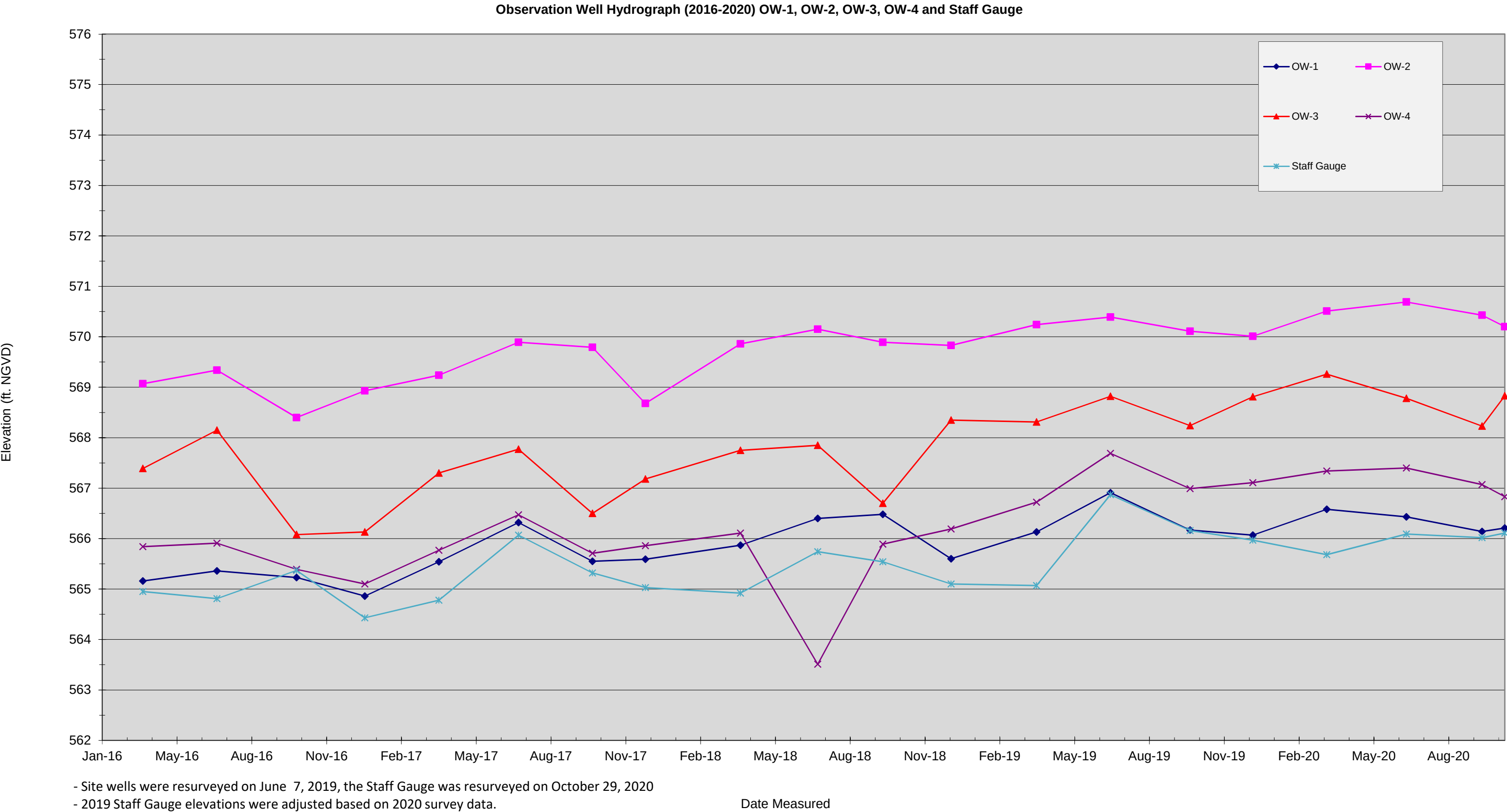
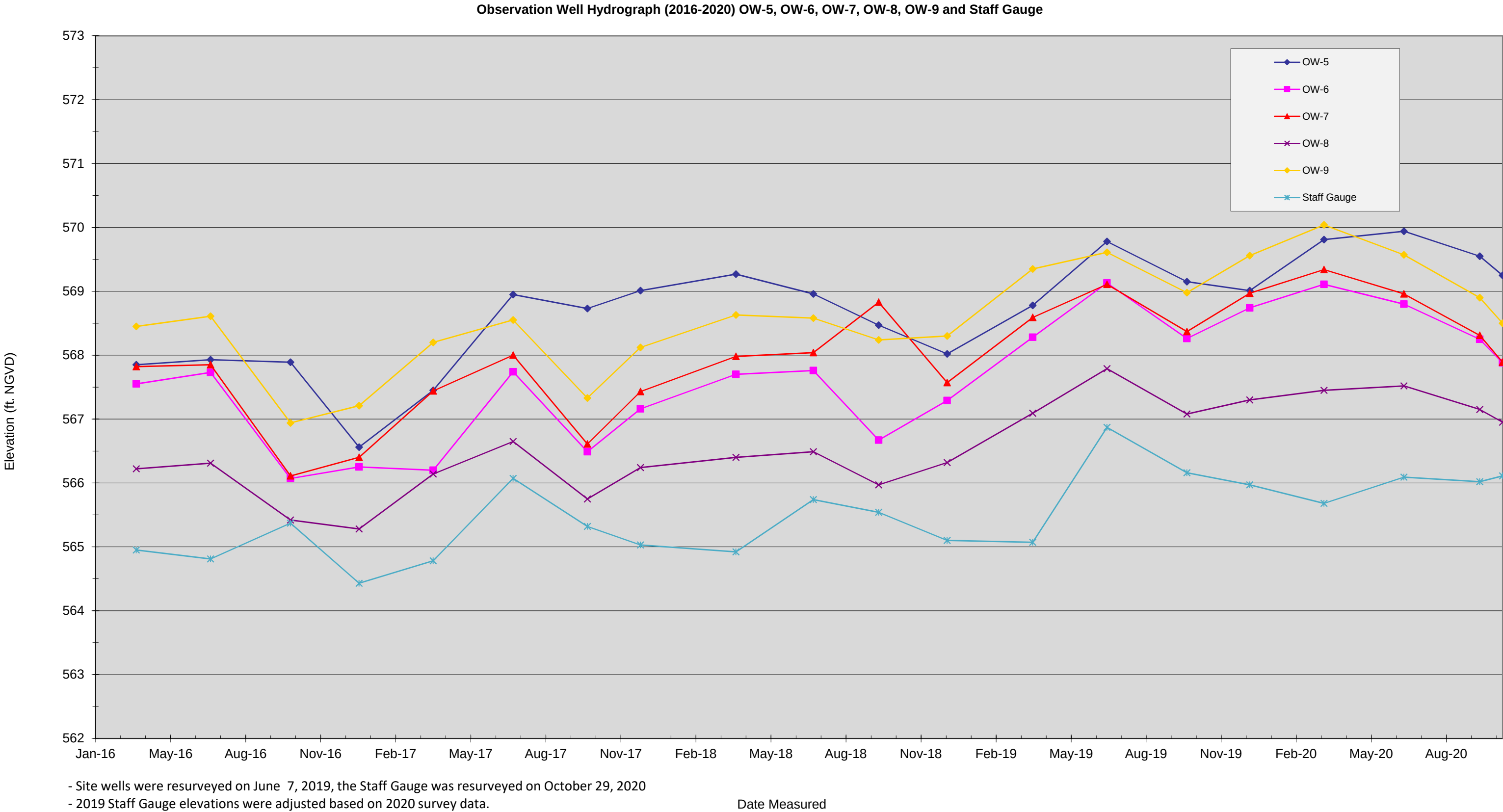




Figure 3.5c





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

2020 Groundwater Elevation Summary

WELL NAME	WELL DIAMETER	03/16/20 ELEVATION	06/22/20 ELEVATION	09/23/20 ELEVATION	10/21/20 ELEVATION
		(FEET)	(FEET)	(FEET)	(FEET)
MW-1	2"	567.37	567.57	566.92	566.84
MW-2	2"	566.51	566.89	566.66	566.61
MW-3	2"	566.20	566.37	566.10	566.24
MW-4	2"	566.81	566.81	566.61	566.49
MW-5	2"	566.40	568.78	566.58	566.48
MW-6	2"	566.14	566.75	566.51	566.49
MW-7	2"	566.99	567.21	566.85	566.72
OW-1	1 1/2"	566.58	566.43	566.14	566.21
OW-2	1 1/2"	570.51	570.69	570.43	570.20
OW-3	1 1/2"	569.26	568.78	568.23	568.83
OW-4	1 1/2"	567.34	567.40	567.07	566.83
OW-5	1 1/2"	569.81	569.94	569.55	569.25
OW-6	1 1/2"	569.11	568.80	568.25	567.88
OW-7	1 1/2"	569.34	568.96	568.31	567.89
OW-8	1 1/2"	567.45	567.52	567.15	566.95
OW-9	1 1/2"	570.04	569.57	568.90	568.50
RW-4	8"	568.82	568.64	568.45	568.35
RW-5	8"	568.20	568.65	568.38	569.03
S-1	vault	569.10	565.88	565.68	565.71
S-2	vault	569.31	568.89	568.33	567.95
S-3	vault	569.36	568.96	568.41	568.00
S-4	vault	568.94	568.69	567.97	567.54
SG	NA	565.68	566.09	566.02	566.11

Notes:

NA = Not applicable

NM = Not Measured

SG = Staff Gauge

Table 2.3
Non-Routine Maintenance Summary

Date	Non-Routine Maintenance Item
January 2020	• Sump 4 pump and motor replacement. • Flushed S-4 conveyance line with muriatic acid. • Operational pH of the system raised from 3.5 to 4.0.
February 2020	• Electrical troubleshooting and repair of control panel lights. • Replace and calibrate acidification tank probe. • Annual water main backflow prevention inspection and testing.
March 2020	• High sump alarm electrical troubleshooting and repair. • Flush sump 3 with muriatic acid to improve flow.
April 2020	• Replacement of damaged electrical junction box behind RW-4.
May 2020	• Partial carbon changeout due to increasing pressure on carbon vessel #1.
June 2020	• Town of Tonawanda discharge permit site inspection.
July 2020	• New pump installed in S-4 due to dropping flow rate. • Add muriatic acid to sump 4 conveyance line in the vault to break up scale. • Add muriatic acid to S1-S3 conveyance lines to clear suspected scaling.

Table 2.3
Non-Routine Maintenance Summary

Date	Non-Routine Maintenance Item
August 2020	• Flush S1-S3 conveyance lines back to S-3 with water to clean the lines and ensure they are open. • Acid treatment of S-4 conveyance line. • Clean flowmeter box and associated piping.
September 2020	• Muriatic acid treatment of the S-3 conveyance line.
October 2020	• Staff gauge re-surveyed and surrounding wells checked and elevations confirmed.
November 2020	• Muriatic acid treatment on S-1-S-3 conveyance line.
December 2020	• Muriatic acid treatment on S-4 conveyance line. • Replacment of faultly sump pump that was tripping circuit breaker. • Annual flowmeter calibration.

Table 3.1

2020 Detected Compound Summary
Monitoring Well Samples

Cherry Farm/River Road	NYSDEC	Sample ID:	MW-1	MW-2	MW-3	MW-4	MW-4	MW-5	MW-5	MW-6	MW-6	MW-7	RW-4	RW-4	RW-5	RW-5
March and October 2020	Class GA	Lab Sample ID:	480-167684-4	480-167684-3	480-167684-5	480-167684-6	480-177100-1	480-167684-7	480-177100-2	480-167686-1	480-177100-3	480-167684-2	480-167686-6	480-177100-9	480-167686-7	480-177100-10
Monitoring Well Sampling	Groundwater	Depth:	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Detections	Standards/ Guidance Values	Source:	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA
		SDG:	480-167684	480-167684	480-167684	480-167684	480-177100	480-167684	480-177100	480-167684	480-177100	480-167684	480-167686	480-177100	480-155595	480-177100
		Matrix:	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
		Sampled:	3/17/2020	3/17/2020	3/18/2020	3/18/2020	10/23/2020	3/18/2020	10/22/2020	3/17/2020	10/22/2020	3/17/2020	3/19/2020	10/23/2020	3/19/2020	10/23/2020
COMPOUND		UNITS:														
VOLATILES																
Acetone	50 (G)	(µg/L)	ND	ND	ND	ND	ND	15 (J)	21	ND	ND	ND	ND	ND	ND	ND
Benzene	1	(µg/L)	ND	ND	ND	ND	ND	1.0 (J)	ND	ND	ND	ND	11	12	ND	0.58 (J)
Ethylbenzene	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.5	6.2	ND	ND
Xylenes, Total	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.7	2.6 (J)	ND	ND
SEMIVOLATILES																
Acenaphthene	20 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.45 (J)	ND	ND
Acenaphthylene	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.58 (J)	ND	ND
Diethyl phthalate	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.31 (J)	1.9 (J)	ND	0.74 (J)
Naphthalene	10 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	18	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.
(B) = Compound was found in the blank and sample.

Table 3.2
2020 Detected Compound Summary
Sump Samples

Cherry Farm/River Road March and October 2020 Sump Sampling Detections	NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample ID: Depth: Source: SDG: Matrix: Sampled:	S-1 480-167686-2 NM TA 480-167686 WATER 3/18/2020	S-1 480-177100-4 NM TA 480-177100 WATER 10/22/2020	S-2 480-155595-3 NM TA 480-167686 WATER 3/18/2020	S-2 480-177100-5 NM TA 480-177100 WATER 10/22/2020	S-3 480-155595-4 NM TA 480-167686 WATER 3/18/2020	DUP (S-3) 480-167686-5 NM TA 480-167686 WATER 3/18/2020	S-3 480-177100-6 NM TA 480-177100 WATER 10/22/2020	DUP (S-3) 480-177100-8 NM TA 480-177100 WATER 10/22/2020	S-4 480-167686-1 NM TA 480-167686 WATER 3/18/2020	S-4 480-177100-7 NM TA 480-177100 WATER 10/22/2020
COMPOUND		UNITS:										
VOLATILES												
Benzene	1	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	0.95 (J)	ND
1,1-Dichloroethane	5	(µg/L)	ND	ND	ND	ND	1.3 (J)	1.5 (J)	ND	1.8 (J)	1.1 (J)	ND
1,2-Dichloroethane	NS	(µg/L)	ND	ND	19	34	ND	ND	ND	ND	2.1 (J)	ND
Trichloroethene	5	(µg/L)	ND	ND	1.2 (J)	1.8 (J)	ND	ND	ND	ND	ND	ND
Toluene	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	1.0 (J)	ND
Vinyl Chloride	5	(µg/L)	ND	ND	4.6	9.7	ND	ND	ND	ND	ND	ND
Xylene (total)	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	7.1	1.9 (J)
SEMIVOLATILES												
Acenaphthene	20 (G)	(µg/L)	ND	0.74 (J)	ND	ND	ND	0.42 (J)	ND	0.69 (J)	ND	ND
Anthracene	50 (G)	(µg/L)	ND	0.83 (J)	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	NS	(µg/L)	ND	0.90 (J)	ND	0.35 (J)	ND	ND	ND	0.50 (J)	ND	ND
2,4-Dimethylphenol	1	(µg/L)	ND	38	ND	0.66 (J)	25	27	49	53	19 (J)	24 (J)
Fluorene	50 (G)	(µg/L)	ND	ND	ND	ND	ND	0.37 (J)	ND	0.57 (J)	ND	ND
2-Methylnaphthalene	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	4.1 (J)	ND
2-Methylphenol	1	(µg/L)	ND	1.3 (J)	ND	ND	8.0 (J)	9.1	20 (J)	22	5.3 (J)	9.2 (J)
4-Methylphenol	1	(µg/L)	ND	ND	ND	ND	15	41 (J)	45	45	5.5 (J)	ND
Naphthalene	1	(µg/L)	ND	ND	ND	ND	13 (J)	2.6 (J)	ND	ND	1.9 (J)	7.4 (J)
Phenanthrene	50 (G)	(µg/L)	ND	ND	ND	ND	ND	0.59 (J)	ND	0.81 (J)	ND	ND
Phenanthrene	50 (G)	(µg/L)	ND	0.34 (J)	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	50 (G)	(µg/L)	ND	ND	ND	ND	ND	0.59 (J)	ND	0.81 (J)	ND	ND
2,4,5-Trichlorophenol	NS	(µg/L)	ND	ND	0.57 (J)	0.53 (J)	2.5 (J)	0.97 (J)	ND	1.4 (J)	2.5 (J)	ND
PESTICIDES												
alpha-BHC	0.01	(µg/L)	ND	ND	ND	ND	ND	0.015 (J)	ND	ND	0.016 (J)	ND
beta-BHC	0.01	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	0.048 (J)	ND
gamma-BHC (Lidane)	0.05	(µg/L)	ND	ND	0.017 (JB)	0.0088 (J)	0.018 (JB)	0.018 (JB)	ND	ND	ND	ND
4,4'-DDE	0.2	(µg/L)	0.033 (J)	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDT	0.2	(µg/L)	0.019 (J**1)	ND	0.020 (J**1)	0.011 (J)	0.021 (J**1)	0.016 (J**1)	0.011 (J)	0.011 (J)	ND (**)1	ND
Dieldrin	0.004	(µg/L)	ND	ND	0.012 (J)	ND	0.011 (J)	ND	ND	ND	ND	ND
Endosulfan I	NS	(µg/L)	ND	ND	ND	ND	0.022 (J)	0.020 (J)	ND	ND	0.051	ND
Endrin ketone	5	(µg/L)	ND (*)	ND	ND (*)	ND	ND	ND	ND	ND	0.018 (JB)	ND
trans-Chlordane	0.05	(µg/L)	ND	ND	0.027 (J)	0.040 (J)	0.011 (J)	ND	ND	ND	ND	ND
Heptachlor	0.04	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	0.019 (J)	ND
PCBs												
Aroclor 1232	Sum of all PCBs is	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	5.1	2.6
Aroclor 1248	<0.09	(µg/L)	ND	0.24 (J)	0.59	ND	0.86	0.93	0.63	0.55	ND	ND
INORGANICS												
Aluminum	NS	(µg/L)	580	ND	160 (J)	180 (J)	150 (J)	190 (J)	290	270	650	190 (J)
Arsenic	25	(µg/L)	5.8 (J)	ND	ND	ND	6.0 (J)	ND	ND	6.3 (J)	7.4 (J)	ND
Barium	1,000	(µg/L)	17	130	49	48	38 (J)	38	44	43	27	32
Boron	NS	(µg/L)	47,300	53,700	60,000	53,000	61,200	60,500	67,000	66,100	111,000	117,000
Chromium	50	(µg/L)	1.2 (J)	ND	ND	ND	ND	ND	ND	ND	6.0	ND
Copper	200	(µg/L)	3.1 (J)	ND	ND	ND	ND	2.2 (J)	2.1 (J)	1.9 (J)	4.5 (J)	ND
Iron	300	(µg/L)	510	4,900	ND	160	29 (J)	32 (J)	69	86	710	83
Magnesium	35,000 (G)	(µg/L)	15,500	11,300	180 (J)	230	610	600	430	520	2,300	4,400
Manganese	300	(µg/L)	16	660	ND	13	0.71 (J)	0.70 (J)	8.3	9.5	59	110
Nickel	100	(µg/L)	ND	1.5 (J)	ND	2.7 (J)	ND	ND	2.1 (J)	2.4 (J)	2.1 (J)	1.6 (J)
Potassium	NS	(µg/L)	2,200	17,600	24,700	30,600	41,600	41,000	46,100	45,000	81,900	74,400
Sodium	20,000	(µg/L)	2,500	71,500	32,800	65,500	149,000	147,000	181,000	177,000	201,000	180,000
Vanadium	NS	(µg/L)	ND	ND	8.8	5.2	3.5 (J)	3.3 (J)	5.1	5.0	3.8 (J)	5.2
Zinc	2,000 (G)	(µg/L)	7.9 (JB)	ND	5.4 (JB)	3.1 (J)	ND	1.6 (JB)	38	41	9.0 (JB)	ND
Cyanide	200	(µg/L)	ND	ND	7.3 (J)	23	55	52	44	49	45	22

Notes:
µg/L = micrograms per liter
NYSDEC (J) 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.
(*) = Compound was found in the blank and sample.

Table 3.3

Total 2020 Contaminant Mass Removal

Sum of Analytical Concentrations	S-1		S-2		S-3		S-4		Average Influent Concentration	2020 Total Plant Flow	Total Removed
Units	(µg/L)		(µg/L)		(µg/L)		(µg/L)		(µg/L)	(µg/L)	(lbs)
Date	03/18/20	10/22/20	03/18/20	10/22/20	03/18/20	10/22/20	03/18/20	10/22/20			
Total VOCs	0.0	0.0	24.8	45.6	1.3	2.0	12.25	1.9	10.98	3,529,006	0.323
Total SVOCs	0.0	42.11	0.57	1.54	48.5	110	55.4	40.6	37.34	3,529,006	1.097
Total Pesticides	0.052	0.0	0.319	0.060	0.083	0.011	0.152	0.0	0.08	3,529,006	0.002
Total PCBs	0.0	0.24	0.59	0.0	0.86	0.63	5.1	2.6	1.25	3,529,006	0.037

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 2020 March & October Analytical Data

Appendix A-1

2020 Analytical Data Monitoring Well Samples Volatile Organic Compounds

Cherry Farm/River Road March & October 2020 Monitoring Well Sampling EPA Method 8260C	NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample ID: Depth: Source: SDG: Matrix: Sampled:	MW-1	MW-2	MW-3	MW-4	MW-4	MW-5	MW-5	MW-6	MW-6	MW-7	RW-4	RW-4	RW-5	RW-5
			480-167684-4	480-167684-3	480-167684-5	480-167684-6	480-17710-1	480-167684-7	480-177100-2	480-167684-1	480-177100-3	480-167684-2	480-167686-6	480-177100-9	480-167686-7	480-177100-10
			NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
			TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA
COMPOUND		UNITS:	480-167684	480-167684	480-167684	480-167684	480-17710	480-167684	480-177100	480-167684	480-177100	480-167684	480-167686	480-177100	480-167686	480-177100
			WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
VOLATILES			3/17/2020	3/17/2020	3/17/2020	3/17/2020	10/22/2020	3/17/2020	10/22/2020	3/17/2020	10/22/2020	3/17/2020	10/22/2020	3/17/2020	10/23/2020	3/19/2020
1,1,1-Trichloroethane	5	(µg/L)	ND	ND	ND	ND	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	ND	ND
1,1,2-Trichloroethane	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane, Total	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	1	(µg/L)	ND	ND	ND	ND	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	ND	ND
2-Hexanone	50 (G)	(µg/L)	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND
Acetone	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	21	ND	ND	ND	ND	ND	ND	ND
Benzene	1	(µg/L)	ND	ND	ND	ND	ND	1.0 (J)	ND	ND	ND	ND	11	12	ND	0.58 (J)
Bromodichloromethane	50 (G)	(µg/L)	ND	ND	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	ND	ND
Bromomethane	5	(µg/L)	ND	ND	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	ND	ND
Carbon Tetrachloride	5	(µg/L)	ND	ND	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	ND	ND
Chloroethane	5	(µg/L)	ND	ND	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	ND	ND
Chloromethane	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloropropene	0.4	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-bromochloromethane	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.5	6.2	ND	ND
Methylene Chloride	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5	(µg/L)	ND	ND	ND	ND	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	ND	ND
trans-1,3-Dichloropropene	0.4	(µg/L)	ND	ND	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	ND	ND
Vinyl chloride	2	(µg/L)	ND	ND	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	5.7	2.6 (J)	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.

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

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2020 Analytical Data Monitoring Well Samples Semi-Volatile Organic Compounds

Cherry Farm/River Road March & October 2020 Monitoring Well Sampling EPA Method 8270D	NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample ID: Depth: Source: SDG: Matrix: Sampled:	MW-1	MW-2	MW-3	MW-4	MW-4	MW-5	MW-5	MW-6	MW-6	MW-7	RW-4	RW-4	RW-5	RW-5
			480-167684-4	480-167684-3	480-167684-5	480-167684-6	480-17710-1	480-167684-7	480-177100-2	480-167684-1	480-177100-3	480-167684-2	480-167686-6	480-177100-9	480-167686-7	480-177100-10
			NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
			TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA
COMPOUND		UNITS:	480-167684	480-167684	480-167684	480-167684	480-17710	480-167684	480-177100	480-167684	480-177100	480-167684	480-167686	480-177100	480-167686	480-177100
			WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
			3/17/2020	3/17/2020	3/17/2020	3/17/2020	10/22/2020	3/17/2020	10/22/2020	3/17/2020	10/22/2020	3/17/2020	3/19/2020	10/23/2020	3/19/2020	10/23/2020
SEMIVOLATILES			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	3	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	3	(µg/L)	ND	ND	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	ND	ND
2,4,5-Trichlorophenol	1	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	NS		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	1	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	1	(µg/L)	ND	ND	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	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	10 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	1	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	NS		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylphenol	1	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitroaniline	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitrophenol	1	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	5	(µg/L)	ND	ND	ND	ND	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	ND	ND
4,6-Dinitro-2-methylphenol	1	(µg/L)	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	1	(µg/L)	ND	ND	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	ND	ND
4-Chlorophenyl phenyl ether	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	1	(µg/L)	ND	ND	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	ND	ND
4-Nitrophenol	1	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.45 (J)	ND	ND
Acenaphthylene	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.58 (J)	ND	ND
Anthracene	50 (G)	(µg/L)	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND
Benzo[a]pyrene	NS	(µg/L)	ND	ND	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.

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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2020 Analytical Data Monitoring Well Samples Semi-Volatile Organic Compounds

Cherry Farm/River Road March & October 2020 Monitoring Well Sampling EPA Method 8270D	NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample ID: Depth: Source: SDG: Matrix: Sampled:	MW-1	MW-2	MW-3	MW-4	MW-4	MW-5	MW-5	MW-6	MW-6	MW-7	RW-4	RW-4	RW-5	RW-5
			480-167684-4	480-167684-3	480-167684-5	480-167684-6	480-17710-1	480-167684-7	480-177100-2	480-167684-1	480-177100-3	480-167684-2	480-167686-6	480-177100-9	480-167686-7	480-177100-10
			NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
			TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA
COMPOUND		UNITS:	480-167684	480-167684	480-167684	480-167684	480-17710	480-167684	480-177100	480-167684	480-177100	480-167684	480-167686	480-177100	480-167686	480-177100
			WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
			3/17/2020	3/17/2020	3/17/2020	3/17/2020	10/22/2020	3/17/2020	10/22/2020	3/17/2020	10/22/2020	3/17/2020	3/19/2020	10/23/2020	3/19/2020	10/23/2020
Benzo[a]fluoranthene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND
Benzo[k]fluoranthene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND
Bis(2-chloroethyl)ether	1	(µg/L)	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND
Bis(2-ethylhexyl) phthalate	5	(µg/L)	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND
Carbazole	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND
Dibenzofuran	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethyl phthalate	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.31 (J)	1.9 (J)	ND	0.74 (J)
Dimethyl phthalate	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butyl phthalate	50	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-octyl phthalate	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	0.04	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	0.5	(µg/L)	ND	ND	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	ND	ND
Hexachlorocyclopentadiene	5	(µg/L)	ND	ND	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isophorone	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	10 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	0.4	(µg/L)	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine	50 (G)	(µg/L)	ND	ND	ND	ND	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	ND	ND
Phenanthrene	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenol	1	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	50 (G)	(µg/L)	ND	ND	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.

(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

2020 Analytical Data Monitoring Well Samples Polychlorinated Biphenyls

Cherry Farm/River Road March 2020 Monitoring Well Sampling EPA Method 8082A	NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID:	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	RW-4	RW-5	
		Lab Sample ID:	480-167684-4	480-167684-3	480-167684-5	480-167684-6	480-167684-7	480-167684-1	480-167684-2	480-167686-6	480-167686-7	
		Depth:	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
		Source:	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA
		SDG:	480-167684	480-167684	480-167684	480-167684	480-167684	480-167684	480-167684	480-167684	480-167684	480-167684
COMPOUND	Sum of all PCBs is ≤0.09	Matrix:	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	
		Sampled:	3/17/2020	3/17/2020	3/17/2020	3/17/2020	3/17/2020	3/17/2020	3/17/2020	3/19/2020	3/19/2020	
UNITS:												
Polychlorinated Biphenyls		(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND		
Aroclor 1016		(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND		
Aroclor 1221		(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND		
Aroclor 1232		(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND		
Aroclor 1242		(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND		
Aroclor 1248		(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND		
Aroclor 1254		(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND		
Aroclor 1260		(µg/L)	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.

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2020 Analytical Data Sump Samples Volatile Organic Compounds

Cherry Farm/River Road March & October 2020 Sump Sampling EPA Method 8260C	NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample ID: Depth: Source: SDG: Matrix: Sampled:	S-1 480-167686-2 NM TA 480-167686 WATER 3/18/2020	S-1 480-177100-4 NM TA 480-177100 WATER 10/22/2020	S-2 480-167686-3 NM TA 480-167686 WATER 3/18/2020	S-2 480-177100-5 NM TA 480-177100 WATER 10/22/2020	S-3 480-167686-4 NM TA 480-167686 WATER 3/18/2020	DUP (S-3) 480-167686-5 NM TA 480-167686 WATER 3/18/2020	S-3 480-177100-6 NM TA 480-177100 WATER 10/22/2020	DUP (S-3) 480-177100-8 NM TA 480-177100 WATER 10/22/2020	S-4 480-167686-1 NM TA 480-167686 WATER 3/18/2020	S-4 480-177100-7 NM TA 480-177100 WATER 10/22/2020
COMPOUND		UNITS:										
VOLATILES												
1,1,1-Trichloroethane	5	(µg/L)	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
1,1,2-Trichloroethane	1	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	(µg/L)	ND	ND	ND	ND	1.3 (J)	1.5 (J)	2.0	1.8 (J)	1.1 (J)	ND
1,1-Dichloroethene	5	(µg/L)	ND	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	ND
1,2-Dichloroethene, Total	NS	(µg/L)	ND	ND	19	34	ND	ND	ND	ND	2.1 (J)	ND
1,2-Dichloropropane	1	(µg/L)	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
2-Hexanone	50 (G)	(µg/L)	ND	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	ND
Acetone	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	1	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	0.95 (J)	ND
Bromodichloromethane	50 (G)	(µg/L)	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
Bromomethane	5	(µg/L)	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
Carbon Tetrachloride	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	7	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	5	(µg/L)	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
Dibromochloromethane	50 (G)	(µg/L)	ND (*)	ND	ND	ND	ND (*)	ND (*)	ND	ND	ND	ND
Ethylbenzene	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	1.0 (J)	ND
trans-1,3-Dichloropropene	0.4	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5	(µg/L)	ND	ND	1.2 (J)	1.9 (J)	ND	ND	ND	ND	ND	ND
Vinyl chloride	2	(µg/L)	ND	ND	4.6	9.7	ND	ND	ND	ND	ND	ND
Xylenes, total	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	7.1	1.9 (J)

Notes:

µg/L = micrograms per liter

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

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

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.

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2020 Analytical Data Sump Samples Semi-Volatile Organic Compounds

Cherry Farm/River Road March & October 2020 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	DUP (S-3)	S-4	S-4
			480-167686-2	480-177100-4	480-167686-3	480-177100-5	480-167686-4	480-167686-5	480-177100-6	480-177100-8	480-167686-1	480-177100-7
			NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
			TA	TA	TA	TA	TA	TA	TA	TA	TA	TA
			480-167686	480-177100	480-167686	480-177100	480-167686	480-167686	480-177100	480-177100	480-167686	480-177100
			WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
			3/18/2020	10/22/2020	3/18/2020	10/22/2020	3/18/2020	3/18/2020	10/22/2020	10/22/2020	3/18/2020	10/22/2020
COMPOUND		UNITS:										
SEMIVOLATILES												
1,2,4-Trichlorobenzene	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	3	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	3	(µg/L)	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
2,4,5-Trichlorophenol	NS	(µg/L)	ND	ND	0.57 (J)	0.53 (J)	2.5 (J)	0.97 (J)	ND	1.4 J	2.5 (J)	ND
2,4,6-Trichlorophenol	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	1	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	1	(µg/L)	ND	38	ND	0.66 (J)	25	27	49	53	19 (J)	24 (J)
2,4-Dinitrophenol	10 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	10 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	4.1 (J)	ND
2-Methylphenol	1	(µg/L)	ND	1.3 (J)	ND	ND	8.0 (J)	9.1	20 (J)	22	5.3 (J)	9.2 (J)
2-Nitroaniline	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitrophenol	1	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	5	(µg/L)	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
4,6-Dinitro-2-methylphenol	5	(µg/L)	ND	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	ND
4-Chloro-3-methylphenol	1	(µg/L)	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
4-Chlorophenyl phenyl ether	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	1	(µg/L)	ND	ND	ND	ND	13 (J)	15	41 (J)	45	5.5 (J)	ND
4-Nitroaniline	5	(µg/L)	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
Acenaphthene	20 (G)	(µg/L)	ND	0.74 (J)	ND	ND	ND	0.42 (J)	ND	0.69 (J)	ND	ND
Acenaphthylene	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	50 (G)	(µg/L)	ND	0.83 (J)	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	ND
Benzo[a]pyrene	NS	(µg/L)	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.

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

Appendix A-1

2020 Analytical Data Sump Samples Semi-Volatile Organic Compounds

Cherry Farm/River Road March & October 2020 Sump Sampling EPA Method 8270D	NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample ID: Depth: Source: SDG: Matrix: Sampled:	S-1 480-167686-2 NM TA 480-167686 WATER 3/18/2020	S-1 480-177100-4 NM TA 480-177100 WATER 10/22/2020	S-2 480-167686-3 NM TA 480-167686 WATER 3/18/2020	S-2 480-177100-5 NM TA 480-177100 WATER 10/22/2020	S-3 480-167686-4 NM TA 480-167686 WATER 3/18/2020	DUP (S-3) 480-167686-5 NM TA 480-167686 WATER 3/18/2020	S-3 480-177100-6 NM TA 480-177100 WATER 10/22/2020	DUP (S-3) 480-177100-8 NM TA 480-177100 WATER 10/22/2020	S-4 480-167686-1 NM TA 480-167686 WATER 3/18/2020	S-4 480-177100-7 NM TA 480-177100 WATER 10/22/2020
COMPOUND		UNITS:										
Benzo[b]fluoranthene	0.002 (G)	(µg/L)	ND	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	ND
Benzo[k]fluoranthene	0.002 (G)	(µg/L)	ND	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	ND
Bis(2-chloroethyl)ether	1	(µg/L)	ND	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	ND
Bis(2-ethylhexyl) phthalate	5	(µg/L)	ND	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	ND
Carbazole	NS	(µg/L)	ND	0.90 (J)	ND	0.35 (J)	ND	ND	ND	0.50 (J)	ND	ND
Chrysene	0.002 (G)	(µg/L)	ND	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	ND
Dibenzofuran	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethyl phthalate	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butyl phthalate	50	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-octyl phthalate	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	50 (G)	(µg/L)	ND	ND	ND	ND	ND	0.37 (J)	ND	0.57 (J)	ND	ND
Hexachlorobenzene	0.04	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	0.5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane	5	(µg/L)	ND	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	ND
Isophorone	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	10 (G)	(µg/L)	ND	ND	ND	ND	ND	2.6 (J)	ND	ND	19 (J)	7.4 (J)
Nitrobenzene	0.4	(µg/L)	ND	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	ND
N-Nitrosodiphenylamine	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	50 (G)	(µg/L)	ND	ND	ND	ND	ND	0.59 (J)	ND	0.81 (J)	ND	ND
Phenol	1	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	50 (G)	(µg/L)	ND	0.34 (J)	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.

Appendix A-1

2020 Analytical Data Sump Samples Pesticides and Polychlorinated Biphenyls

Cherry Farm/River Road March & October 2020 Sump Sampling EPA Method 8081B EPA Method 8082A	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	DUP (S-3)	S-4	S-4
			480-167686-2	480-177100-4	480-167686-3	480-177100-5	480-167686-4	480-167686-5	480-177100-6	480-177100-8	480-167686-1	480-177100-7
COMPOUND		UNITS:	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
			TA	TA	TA	TA	TA	TA	TA	TA	TA	TA
PESTICIDES			480-167686	480-177100	480-167686	480-177100	480-167686	480-167686	480-177100	480-177100	480-167686	480-177100
			3/18/2020	10/22/2020	3/18/2020	10/22/2020	3/18/2020	3/18/2020	10/22/2020	10/22/2020	3/18/2020	10/22/2020
4,4'-DDD	0.3	(µg/L)	ND (**1)	ND	ND (**1)	ND	ND (**1)	ND (**1)	ND	ND	ND (**1)	ND
4,4'-DDE	0.2	(µg/L)	0.033 (J)	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDT	0.2	(µg/L)	0.019 (J**1)	ND	0.020 (J**1)	0.011 (J)	0.021 (J**1)	0.016 (J**1)	0.011 (J)	0.011 (J)	ND (**1)	ND
Aldrin	0.01	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
alpha-BHC	0.05	(µg/L)	ND	ND	ND	ND	ND	0.015 (J)	ND	ND	0.016 (J)	ND
alpha-Chlordane	0.05	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
beta-BHC	0.04	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	0.048 (J)	ND
delta-BHC	0.04	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.004	(µg/L)	ND	ND	0.012 (J)	ND	0.011 (J)	ND	ND	ND	ND	ND
Endosulfan I	NS	(µg/L)	ND	ND	ND	ND	0.022 (J)	0.020 (J)	ND	ND	0.051	ND
Endosulfan II	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan sulfate	NS	(µg/L)	ND (**1)	ND	ND (**1)	ND	ND (**1)	ND (**1)	ND	ND	ND (**1)	ND
Endrin	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin aldehyde	5	(µg/L)	ND (**1)	ND	ND (**1)	ND	ND (**1)	ND (**1)	ND	ND	ND (**1)	ND
Endrin ketone	5	(µg/L)	ND (*)	ND	ND (*)	ND	ND (*)	ND (*)	ND	ND	0.018 (JB*)	ND
gamma-BHC (Lindane)	0.05	(µg/L)	ND	ND	0.017 (JB)	0.0088 (J)	0.018 (JB)	0.018 (JB)	ND	ND	ND	ND
gamma-Chlordane	0.05	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	0.04	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	0.019 (J)	ND
Heptachlor epoxide	0.03	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methoxychlor	35	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toxaphene	0.06	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-Chlordane	0.05	(µg/L)	ND	ND	0.027 (J)	0.040 (J)	0.011 (J)	ND	ND	ND	ND	ND
PCBs												
Aroclor 1016		(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1221		(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1232		(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	5.1	2.6
Aroclor 1242		(µg/L)	ND	0.24 (J)	0.59	ND	0.86	0.93	0.63	0.55	ND	ND
Aroclor 1248		(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254		(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260		(µg/L)	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
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
*1 = LCS/LCSD RPD exceeds control limits

Appendix A-1

2020 Analytical Data Sump Samples Inorganics

Cherry Farm/River Road March & October 2020 Sump Sampling EPA Method 6010C	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	DUP (S-3)	S-4	S-4
			480-167686-2	480-177100-4	480-167686-3	480-177100-5	480-167686-4	480-167686-5	480-177100-6	480-177100-8	480-167686-1	480-177100-7
			NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
			TA	TA	TA	TA	TA	TA	TA	TA	TA	TA
COMPOUND		UNITS:	480-167686	480-177100	480-167686	480-177100	480-167686	480-167686	480-177100	480-177100	480-167686	480-177100
			WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
INORGANICS			3/18/2020	10/22/2020	3/18/2020	10/22/2020	3/18/2020	3/18/2020	10/22/2020	10/22/2020	3/18/2020	10/22/2020
Aluminum	NS	(µg/L)	580	ND	160 (J)	180 (J)	150 (J)	190 (J)	290	270	650	190 (J)
Antimony	3	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	25	(µg/L)	5.8 (J)	ND	ND	ND	6.0 (J)	ND	ND	6.3 (J)	7.4 (J)	ND
Barium	1,000	(µg/L)	17	130 (°)	49	48 (°)	39 (J)	38	44 (°)	43 (°)	27	32 (°)
Beryllium	3 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Calcium	NS	(µg/L)	47,300	53,700	60,000	53,000	61,200	60,500	67,000	66,100	111,000	117,000
Chromium	50	(µg/L)	1.2 (J)	ND	ND	ND	ND	ND	ND	ND	6.0	ND
Cobalt	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Copper	200	(µg/L)	3.1 (J)	ND	ND	ND	ND	2.2 (J)	2.1 (J)	1.9 (J)	4.5 (J)	ND
Iron	300	(µg/L)	510	4,900	ND	160	29 (J)	32 (J)	69	86	710	83
Lead	25	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Magnesium	35,000 (G)	(µg/L)	15,500	11,300	180 (J)	230	610	600	430	520	2,300	4,400
Manganese	300	(µg/L)	16	660	ND	13	0.71 (J)	0.70 (J)	8.3	9.5	59	110
Mercury	0.7	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	100	(µg/L)	ND	1.5 (J)	ND	2.7 (J)	ND	ND	2.1 (J)	2.4 (J)	2.1 (J)	1.6 (J)
Potassium	NS	(µg/L)	2,200	17,600	24,700	30,600	41,600	41,000	46,100	45,000	81,900	74,400
Selenium	10	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	50	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	20,000	(µg/L)	2,500	71,500	32,800	65,500	149,000	147,000	181,000	177,000	201,000	180,000
Thallium	0.5 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	NS	(µg/L)	ND	ND	8.8	5.2	3.5 (J)	3.3 (J)	5.1	5.0	3.8 (J)	5.2
Zinc	2,000 (G)	(µg/L)	7.9 (JB)	ND	5.4 (JB)	3.1 (J)	ND	1.6 (JB)	38	41	9.0 (JB)	ND
Cyanide	200	(µg/L)	ND	ND	7.3 (J)	23 (F1)	55	52	44	49	45	22 (F1)

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-1

2020 Analytical Data Sump Samples RCRA 8 Metals

Cherry Farm/River Road March & October 2020 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	DUP (S-3)	S-4	S-4	
		Lab Sample ID:	480-167686-2	480-177100-4	480-167686-3	480-177100-5	480-167686-4	480-167686-5	480-177100-6	480-177100-8	480-167686-1	480-177100-7	
		Depth:	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	
		Source:	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	
		SDG:	480-167686	480-177100	480-167686	480-177100	480-167686	480-167686	480-177100	480-177100	480-167686	480-177100	
	COMPOUND	RCRA 8 Metals	Matrix:	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	
			Sampled:	3/18/2020	10/22/2020	3/18/2020	10/22/2020	3/18/2020	3/18/2020	10/22/2020	10/22/2020	3/18/2020	10/22/2020
			UNITS:										

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 2020 March & October Analytical Data Packages

ANALYTICAL REPORT

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

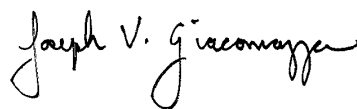
Laboratory Job ID: 480-167684-1

Client Project/Site: Cherry Farms Annual GW Sample

For:

Groundwater & Environmental Services Inc
415 Lawrence Bell Drive
Suite 6
Williamsville, New York 14221

Attn: Thomas Palmer



Authorized for release by:

3/30/2020 2:29:32 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

Job ID: 480-167684-1

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.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
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

Job ID: 480-167684-1

Job ID: 480-167684-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative 480-167684-1

Comments

No additional comments.

Receipt

The samples were received on 3/19/2020 3:05 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 4 coolers at receipt time were 3.2° C, 3.9° C, 4.7° C and 5.6° C.

GC/MS VOA

Method 8260C: The following volatiles samples were diluted due to foaming at the time of purging during the original sample analysis: MW-6 (480-167684-1), MW-6 (480-167684-1[MS]), MW-6 (480-167684-1[MSD]), MW-7 (480-167684-2), MW-3 (480-167684-5), MW-4 (480-167684-6) and MW-5 (480-167684-7). 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

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

GC Semi VOA

Method 8082A: The continuing calibration verification (CCV) associated with batch 480-523175 recovered above the upper control limit for PCB-1221. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: MW-6 (480-167684-1), MW-7 (480-167684-2), MW-2 (480-167684-3), MW-1 (480-167684-4), MW-3 (480-167684-5), MW-4 (480-167684-6) and MW-5 (480-167684-7).

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

Organic Prep

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

Detection Summary

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

Job ID: 480-167684-1

Client Sample ID: MW-6

Lab Sample ID: 480-167684-1

No Detections.

Client Sample ID: MW-7

Lab Sample ID: 480-167684-2

No Detections.

Client Sample ID: MW-2

Lab Sample ID: 480-167684-3

No Detections.

Client Sample ID: MW-1

Lab Sample ID: 480-167684-4

No Detections.

Client Sample ID: MW-3

Lab Sample ID: 480-167684-5

No Detections.

Client Sample ID: MW-4

Lab Sample ID: 480-167684-6

No Detections.

Client Sample ID: MW-5

Lab Sample ID: 480-167684-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	15	J	20	6.0	ug/L	2		8260C	Total/NA
Benzene	1.0	J	2.0	0.82	ug/L	2		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-167684-1

Client Sample ID: MW-6

Lab Sample ID: 480-167684-1

Date Collected: 03/17/20 10:00

Matrix: Water

Date Received: 03/19/20 15:05

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			03/22/20 11:49	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			03/22/20 11:49	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			03/22/20 11:49	2
1,1-Dichloroethane	ND		2.0	0.76	ug/L			03/22/20 11:49	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			03/22/20 11:49	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			03/22/20 11:49	2
1,2-Dichloroethene, Total	ND		4.0	1.6	ug/L			03/22/20 11:49	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			03/22/20 11:49	2
2-Butanone (MEK)	ND		20	2.6	ug/L			03/22/20 11:49	2
2-Hexanone	ND		10	2.5	ug/L			03/22/20 11:49	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			03/22/20 11:49	2
Acetone	ND		20	6.0	ug/L			03/22/20 11:49	2
Benzene	ND		2.0	0.82	ug/L			03/22/20 11:49	2
Bromoform	ND		2.0	0.52	ug/L			03/22/20 11:49	2
Bromomethane	ND		2.0	1.4	ug/L			03/22/20 11:49	2
Carbon disulfide	ND		2.0	0.38	ug/L			03/22/20 11:49	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			03/22/20 11:49	2
Chlorobenzene	ND		2.0	1.5	ug/L			03/22/20 11:49	2
Dibromochloromethane	ND		2.0	0.64	ug/L			03/22/20 11:49	2
Chloroethane	ND		2.0	0.64	ug/L			03/22/20 11:49	2
Chloroform	ND		2.0	0.68	ug/L			03/22/20 11:49	2
Chloromethane	ND		2.0	0.70	ug/L			03/22/20 11:49	2
Bromodichloromethane	ND		2.0	0.78	ug/L			03/22/20 11:49	2
Ethylbenzene	ND		2.0	1.5	ug/L			03/22/20 11:49	2
Methylene Chloride	ND		2.0	0.88	ug/L			03/22/20 11:49	2
Tetrachloroethene	ND		2.0	0.72	ug/L			03/22/20 11:49	2
Toluene	ND		2.0	1.0	ug/L			03/22/20 11:49	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			03/22/20 11:49	2
Trichloroethene	ND		2.0	0.92	ug/L			03/22/20 11:49	2
Vinyl chloride	ND		2.0	1.8	ug/L			03/22/20 11:49	2
Xylenes, Total	ND		4.0	1.3	ug/L			03/22/20 11:49	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			03/22/20 11:49	2
Styrene	ND		2.0	1.5	ug/L			03/22/20 11:49	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	89		77 - 120		03/22/20 11:49	2
4-Bromofluorobenzene (Surr)	113		73 - 120		03/22/20 11:49	2
Toluene-d8 (Surr)	97		80 - 120		03/22/20 11:49	2
Dibromofluoromethane (Surr)	94		75 - 123		03/22/20 11:49	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		03/23/20 09:10	03/25/20 18:53	1
1,2,4-Trichlorobenzene	ND		10	0.44	ug/L		03/23/20 09:10	03/25/20 18:53	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		03/23/20 09:10	03/25/20 18:53	1
1,2-Dichlorobenzene	ND		10	0.40	ug/L		03/23/20 09:10	03/25/20 18:53	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		03/23/20 09:10	03/25/20 18:53	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		03/23/20 09:10	03/25/20 18:53	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		03/23/20 09:10	03/25/20 18:53	1
1,3-Dichlorobenzene	ND		10	0.48	ug/L		03/23/20 09:10	03/25/20 18:53	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-167684-1

Client Sample ID: MW-6

Lab Sample ID: 480-167684-1

Date Collected: 03/17/20 10:00

Matrix: Water

Date Received: 03/19/20 15:05

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		03/23/20 09:10	03/25/20 18:53	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		03/23/20 09:10	03/25/20 18:53	1
1,4-Dichlorobenzene	ND		10	0.46	ug/L		03/23/20 09:10	03/25/20 18:53	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		03/23/20 09:10	03/25/20 18:53	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		03/23/20 09:10	03/25/20 18:53	1
2-Chlorophenol	ND		5.0	0.53	ug/L		03/23/20 09:10	03/25/20 18:53	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		03/23/20 09:10	03/25/20 18:53	1
2-Methylphenol	ND		5.0	0.40	ug/L		03/23/20 09:10	03/25/20 18:53	1
2-Nitroaniline	ND		10	0.42	ug/L		03/23/20 09:10	03/25/20 18:53	1
2-Nitrophenol	ND		5.0	0.48	ug/L		03/23/20 09:10	03/25/20 18:53	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		03/23/20 09:10	03/25/20 18:53	1
3-Nitroaniline	ND		10	0.48	ug/L		03/23/20 09:10	03/25/20 18:53	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		03/23/20 09:10	03/25/20 18:53	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		03/23/20 09:10	03/25/20 18:53	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		03/23/20 09:10	03/25/20 18:53	1
4-Chloroaniline	ND		5.0	0.59	ug/L		03/23/20 09:10	03/25/20 18:53	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		03/23/20 09:10	03/25/20 18:53	1
4-Methylphenol	ND		10	0.36	ug/L		03/23/20 09:10	03/25/20 18:53	1
4-Nitroaniline	ND		10	0.25	ug/L		03/23/20 09:10	03/25/20 18:53	1
4-Nitrophenol	ND		10	1.5	ug/L		03/23/20 09:10	03/25/20 18:53	1
Acenaphthene	ND		5.0	0.41	ug/L		03/23/20 09:10	03/25/20 18:53	1
Acenaphthylene	ND		5.0	0.38	ug/L		03/23/20 09:10	03/25/20 18:53	1
Anthracene	ND		5.0	0.28	ug/L		03/23/20 09:10	03/25/20 18:53	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		03/23/20 09:10	03/25/20 18:53	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		03/23/20 09:10	03/25/20 18:53	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		03/23/20 09:10	03/25/20 18:53	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		03/23/20 09:10	03/25/20 18:53	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		03/23/20 09:10	03/25/20 18:53	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		03/23/20 09:10	03/25/20 18:53	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		03/23/20 09:10	03/25/20 18:53	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		03/23/20 09:10	03/25/20 18:53	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		03/23/20 09:10	03/25/20 18:53	1
Carbazole	ND		5.0	0.30	ug/L		03/23/20 09:10	03/25/20 18:53	1
Chrysene	ND		5.0	0.33	ug/L		03/23/20 09:10	03/25/20 18:53	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		03/23/20 09:10	03/25/20 18:53	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		03/23/20 09:10	03/25/20 18:53	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		03/23/20 09:10	03/25/20 18:53	1
Dibenzofuran	ND		10	0.51	ug/L		03/23/20 09:10	03/25/20 18:53	1
Diethyl phthalate	ND		5.0	0.22	ug/L		03/23/20 09:10	03/25/20 18:53	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		03/23/20 09:10	03/25/20 18:53	1
Fluoranthene	ND		5.0	0.40	ug/L		03/23/20 09:10	03/25/20 18:53	1
Fluorene	ND		5.0	0.36	ug/L		03/23/20 09:10	03/25/20 18:53	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		03/23/20 09:10	03/25/20 18:53	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		03/23/20 09:10	03/25/20 18:53	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		03/23/20 09:10	03/25/20 18:53	1
Hexachloroethane	ND		5.0	0.59	ug/L		03/23/20 09:10	03/25/20 18:53	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		03/23/20 09:10	03/25/20 18:53	1
Isophorone	ND		5.0	0.43	ug/L		03/23/20 09:10	03/25/20 18:53	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		03/23/20 09:10	03/25/20 18:53	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-167684-1

Client Sample ID: MW-6

Lab Sample ID: 480-167684-1

Date Collected: 03/17/20 10:00

Matrix: Water

Date Received: 03/19/20 15:05

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		03/23/20 09:10	03/25/20 18:53	1
Naphthalene	ND		5.0	0.76	ug/L		03/23/20 09:10	03/25/20 18:53	1
Nitrobenzene	ND		5.0	0.29	ug/L		03/23/20 09:10	03/25/20 18:53	1
Pentachlorophenol	ND		10	2.2	ug/L		03/23/20 09:10	03/25/20 18:53	1
Phenanthrene	ND		5.0	0.44	ug/L		03/23/20 09:10	03/25/20 18:53	1
Phenol	ND		5.0	0.39	ug/L		03/23/20 09:10	03/25/20 18:53	1
Pyrene	ND		5.0	0.34	ug/L		03/23/20 09:10	03/25/20 18:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	96		41 - 120	03/23/20 09:10	03/25/20 18:53	1
2-Fluorobiphenyl	100		48 - 120	03/23/20 09:10	03/25/20 18:53	1
2-Fluorophenol	75		35 - 120	03/23/20 09:10	03/25/20 18:53	1
Nitrobenzene-d5	93		46 - 120	03/23/20 09:10	03/25/20 18:53	1
p-Terphenyl-d14	92		60 - 148	03/23/20 09:10	03/25/20 18:53	1
Phenol-d5	53		22 - 120	03/23/20 09:10	03/25/20 18:53	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		03/25/20 08:43	03/26/20 15:11	1
PCB-1221	ND		0.50	0.18	ug/L		03/25/20 08:43	03/26/20 15:11	1
PCB-1232	ND		0.50	0.18	ug/L		03/25/20 08:43	03/26/20 15:11	1
PCB-1242	ND		0.50	0.18	ug/L		03/25/20 08:43	03/26/20 15:11	1
PCB-1248	ND		0.50	0.18	ug/L		03/25/20 08:43	03/26/20 15:11	1
PCB-1254	ND		0.50	0.25	ug/L		03/25/20 08:43	03/26/20 15:11	1
PCB-1260	ND		0.50	0.25	ug/L		03/25/20 08:43	03/26/20 15:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	56		19 - 120	03/25/20 08:43	03/26/20 15:11	1
Tetrachloro-m-xylene	92		39 - 121	03/25/20 08:43	03/26/20 15:11	1

Client Sample ID: MW-7

Lab Sample ID: 480-167684-2

Date Collected: 03/17/20 11:00

Matrix: Water

Date Received: 03/19/20 15:05

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			03/22/20 12:12	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			03/22/20 12:12	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			03/22/20 12:12	2
1,1-Dichloroethane	ND		2.0	0.76	ug/L			03/22/20 12:12	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			03/22/20 12:12	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			03/22/20 12:12	2
1,2-Dichloroethene, Total	ND		4.0	1.6	ug/L			03/22/20 12:12	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			03/22/20 12:12	2
2-Butanone (MEK)	ND		20	2.6	ug/L			03/22/20 12:12	2
2-Hexanone	ND		10	2.5	ug/L			03/22/20 12:12	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			03/22/20 12:12	2
Acetone	ND		20	6.0	ug/L			03/22/20 12:12	2
Benzene	ND		2.0	0.82	ug/L			03/22/20 12:12	2
Bromoform	ND		2.0	0.52	ug/L			03/22/20 12:12	2
Bromomethane	ND		2.0	1.4	ug/L			03/22/20 12:12	2

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-167684-1

Client Sample ID: MW-7

Lab Sample ID: 480-167684-2

Date Collected: 03/17/20 11:00

Matrix: Water

Date Received: 03/19/20 15:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		2.0	0.38	ug/L			03/22/20 12:12	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			03/22/20 12:12	2
Chlorobenzene	ND		2.0	1.5	ug/L			03/22/20 12:12	2
Dibromochloromethane	ND		2.0	0.64	ug/L			03/22/20 12:12	2
Chloroethane	ND		2.0	0.64	ug/L			03/22/20 12:12	2
Chloroform	ND		2.0	0.68	ug/L			03/22/20 12:12	2
Chloromethane	ND		2.0	0.70	ug/L			03/22/20 12:12	2
Bromodichloromethane	ND		2.0	0.78	ug/L			03/22/20 12:12	2
Ethylbenzene	ND		2.0	1.5	ug/L			03/22/20 12:12	2
Methylene Chloride	ND		2.0	0.88	ug/L			03/22/20 12:12	2
Tetrachloroethene	ND		2.0	0.72	ug/L			03/22/20 12:12	2
Toluene	ND		2.0	1.0	ug/L			03/22/20 12:12	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			03/22/20 12:12	2
Trichloroethene	ND		2.0	0.92	ug/L			03/22/20 12:12	2
Vinyl chloride	ND		2.0	1.8	ug/L			03/22/20 12:12	2
Xylenes, Total	ND		4.0	1.3	ug/L			03/22/20 12:12	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			03/22/20 12:12	2
Styrene	ND		2.0	1.5	ug/L			03/22/20 12:12	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90		77 - 120		03/22/20 12:12	2
4-Bromofluorobenzene (Surr)	114		73 - 120		03/22/20 12:12	2
Toluene-d8 (Surr)	101		80 - 120		03/22/20 12:12	2
Dibromofluoromethane (Surr)	92		75 - 123		03/22/20 12:12	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		03/23/20 09:10	03/26/20 00:08	1
1,2,4-Trichlorobenzene	ND		10	0.44	ug/L		03/23/20 09:10	03/26/20 00:08	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		03/23/20 09:10	03/26/20 00:08	1
1,2-Dichlorobenzene	ND		10	0.40	ug/L		03/23/20 09:10	03/26/20 00:08	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		03/23/20 09:10	03/26/20 00:08	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		03/23/20 09:10	03/26/20 00:08	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		03/23/20 09:10	03/26/20 00:08	1
1,3-Dichlorobenzene	ND		10	0.48	ug/L		03/23/20 09:10	03/26/20 00:08	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		03/23/20 09:10	03/26/20 00:08	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		03/23/20 09:10	03/26/20 00:08	1
1,4-Dichlorobenzene	ND		10	0.46	ug/L		03/23/20 09:10	03/26/20 00:08	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		03/23/20 09:10	03/26/20 00:08	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		03/23/20 09:10	03/26/20 00:08	1
2-Chlorophenol	ND		5.0	0.53	ug/L		03/23/20 09:10	03/26/20 00:08	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		03/23/20 09:10	03/26/20 00:08	1
2-Methylphenol	ND		5.0	0.40	ug/L		03/23/20 09:10	03/26/20 00:08	1
2-Nitroaniline	ND		10	0.42	ug/L		03/23/20 09:10	03/26/20 00:08	1
2-Nitrophenol	ND		5.0	0.48	ug/L		03/23/20 09:10	03/26/20 00:08	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		03/23/20 09:10	03/26/20 00:08	1
3-Nitroaniline	ND		10	0.48	ug/L		03/23/20 09:10	03/26/20 00:08	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		03/23/20 09:10	03/26/20 00:08	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		03/23/20 09:10	03/26/20 00:08	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		03/23/20 09:10	03/26/20 00:08	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-167684-1

Client Sample ID: MW-7

Lab Sample ID: 480-167684-2

Date Collected: 03/17/20 11:00

Matrix: Water

Date Received: 03/19/20 15:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chloroaniline	ND		5.0	0.59	ug/L		03/23/20 09:10	03/26/20 00:08	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		03/23/20 09:10	03/26/20 00:08	1
4-Methylphenol	ND		10	0.36	ug/L		03/23/20 09:10	03/26/20 00:08	1
4-Nitroaniline	ND		10	0.25	ug/L		03/23/20 09:10	03/26/20 00:08	1
4-Nitrophenol	ND		10	1.5	ug/L		03/23/20 09:10	03/26/20 00:08	1
Acenaphthene	ND		5.0	0.41	ug/L		03/23/20 09:10	03/26/20 00:08	1
Acenaphthylene	ND		5.0	0.38	ug/L		03/23/20 09:10	03/26/20 00:08	1
Anthracene	ND		5.0	0.28	ug/L		03/23/20 09:10	03/26/20 00:08	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		03/23/20 09:10	03/26/20 00:08	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		03/23/20 09:10	03/26/20 00:08	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		03/23/20 09:10	03/26/20 00:08	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		03/23/20 09:10	03/26/20 00:08	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		03/23/20 09:10	03/26/20 00:08	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		03/23/20 09:10	03/26/20 00:08	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		03/23/20 09:10	03/26/20 00:08	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		03/23/20 09:10	03/26/20 00:08	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		03/23/20 09:10	03/26/20 00:08	1
Carbazole	ND		5.0	0.30	ug/L		03/23/20 09:10	03/26/20 00:08	1
Chrysene	ND		5.0	0.33	ug/L		03/23/20 09:10	03/26/20 00:08	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		03/23/20 09:10	03/26/20 00:08	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		03/23/20 09:10	03/26/20 00:08	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		03/23/20 09:10	03/26/20 00:08	1
Dibenzofuran	ND		10	0.51	ug/L		03/23/20 09:10	03/26/20 00:08	1
Diethyl phthalate	ND		5.0	0.22	ug/L		03/23/20 09:10	03/26/20 00:08	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		03/23/20 09:10	03/26/20 00:08	1
Fluoranthene	ND		5.0	0.40	ug/L		03/23/20 09:10	03/26/20 00:08	1
Fluorene	ND		5.0	0.36	ug/L		03/23/20 09:10	03/26/20 00:08	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		03/23/20 09:10	03/26/20 00:08	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		03/23/20 09:10	03/26/20 00:08	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		03/23/20 09:10	03/26/20 00:08	1
Hexachloroethane	ND		5.0	0.59	ug/L		03/23/20 09:10	03/26/20 00:08	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		03/23/20 09:10	03/26/20 00:08	1
Isophorone	ND		5.0	0.43	ug/L		03/23/20 09:10	03/26/20 00:08	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		03/23/20 09:10	03/26/20 00:08	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		03/23/20 09:10	03/26/20 00:08	1
Naphthalene	ND		5.0	0.76	ug/L		03/23/20 09:10	03/26/20 00:08	1
Nitrobenzene	ND		5.0	0.29	ug/L		03/23/20 09:10	03/26/20 00:08	1
Pentachlorophenol	ND		10	2.2	ug/L		03/23/20 09:10	03/26/20 00:08	1
Phenanthrene	ND		5.0	0.44	ug/L		03/23/20 09:10	03/26/20 00:08	1
Phenol	ND		5.0	0.39	ug/L		03/23/20 09:10	03/26/20 00:08	1
Pyrene	ND		5.0	0.34	ug/L		03/23/20 09:10	03/26/20 00:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	91		41 - 120	03/23/20 09:10	03/26/20 00:08	1
2-Fluorobiphenyl	98		48 - 120	03/23/20 09:10	03/26/20 00:08	1
2-Fluorophenol	72		35 - 120	03/23/20 09:10	03/26/20 00:08	1
Nitrobenzene-d5	92		46 - 120	03/23/20 09:10	03/26/20 00:08	1
p-Terphenyl-d14	83		60 - 148	03/23/20 09:10	03/26/20 00:08	1
Phenol-d5	53		22 - 120	03/23/20 09:10	03/26/20 00:08	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-167684-1

Client Sample ID: MW-7

Lab Sample ID: 480-167684-2

Date Collected: 03/17/20 11:00

Matrix: Water

Date Received: 03/19/20 15:05

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		03/25/20 08:43	03/26/20 15:24	1
PCB-1221	ND		0.50	0.18	ug/L		03/25/20 08:43	03/26/20 15:24	1
PCB-1232	ND		0.50	0.18	ug/L		03/25/20 08:43	03/26/20 15:24	1
PCB-1242	ND		0.50	0.18	ug/L		03/25/20 08:43	03/26/20 15:24	1
PCB-1248	ND		0.50	0.18	ug/L		03/25/20 08:43	03/26/20 15:24	1
PCB-1254	ND		0.50	0.25	ug/L		03/25/20 08:43	03/26/20 15:24	1
PCB-1260	ND		0.50	0.25	ug/L		03/25/20 08:43	03/26/20 15:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	54		19 - 120	03/25/20 08:43	03/26/20 15:24	1
Tetrachloro-m-xylene	97		39 - 121	03/25/20 08:43	03/26/20 15:24	1

Client Sample ID: MW-2

Lab Sample ID: 480-167684-3

Date Collected: 03/17/20 12:30

Matrix: Water

Date Received: 03/19/20 15:05

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			03/22/20 12:35	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/22/20 12:35	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/22/20 12:35	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/22/20 12:35	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/22/20 12:35	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/22/20 12:35	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			03/22/20 12:35	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/22/20 12:35	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/22/20 12:35	1
2-Hexanone	ND		5.0	1.2	ug/L			03/22/20 12:35	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/22/20 12:35	1
Acetone	ND		10	3.0	ug/L			03/22/20 12:35	1
Benzene	ND		1.0	0.41	ug/L			03/22/20 12:35	1
Bromoform	ND		1.0	0.26	ug/L			03/22/20 12:35	1
Bromomethane	ND		1.0	0.69	ug/L			03/22/20 12:35	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/22/20 12:35	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/22/20 12:35	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/22/20 12:35	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/22/20 12:35	1
Chloroethane	ND		1.0	0.32	ug/L			03/22/20 12:35	1
Chloroform	ND		1.0	0.34	ug/L			03/22/20 12:35	1
Chloromethane	ND		1.0	0.35	ug/L			03/22/20 12:35	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/22/20 12:35	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/22/20 12:35	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/22/20 12:35	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/22/20 12:35	1
Toluene	ND		1.0	0.51	ug/L			03/22/20 12:35	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/22/20 12:35	1
Trichloroethene	ND		1.0	0.46	ug/L			03/22/20 12:35	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/22/20 12:35	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/22/20 12:35	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/22/20 12:35	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-167684-1

Client Sample ID: MW-2

Lab Sample ID: 480-167684-3

Date Collected: 03/17/20 12:30

Matrix: Water

Date Received: 03/19/20 15:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		1.0	0.73	ug/L			03/22/20 12:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	87		77 - 120					03/22/20 12:35	1
4-Bromofluorobenzene (Surr)	112		73 - 120					03/22/20 12:35	1
Toluene-d8 (Surr)	96		80 - 120					03/22/20 12:35	1
Dibromofluoromethane (Surr)	90		75 - 123					03/22/20 12:35	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		03/23/20 09:10	03/26/20 00:37	1
1,2,4-Trichlorobenzene	ND		10	0.44	ug/L		03/23/20 09:10	03/26/20 00:37	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		03/23/20 09:10	03/26/20 00:37	1
1,2-Dichlorobenzene	ND		10	0.40	ug/L		03/23/20 09:10	03/26/20 00:37	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		03/23/20 09:10	03/26/20 00:37	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		03/23/20 09:10	03/26/20 00:37	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		03/23/20 09:10	03/26/20 00:37	1
1,3-Dichlorobenzene	ND		10	0.48	ug/L		03/23/20 09:10	03/26/20 00:37	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		03/23/20 09:10	03/26/20 00:37	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		03/23/20 09:10	03/26/20 00:37	1
1,4-Dichlorobenzene	ND		10	0.46	ug/L		03/23/20 09:10	03/26/20 00:37	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		03/23/20 09:10	03/26/20 00:37	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		03/23/20 09:10	03/26/20 00:37	1
2-Chlorophenol	ND		5.0	0.53	ug/L		03/23/20 09:10	03/26/20 00:37	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		03/23/20 09:10	03/26/20 00:37	1
2-Methylphenol	ND		5.0	0.40	ug/L		03/23/20 09:10	03/26/20 00:37	1
2-Nitroaniline	ND		10	0.42	ug/L		03/23/20 09:10	03/26/20 00:37	1
2-Nitrophenol	ND		5.0	0.48	ug/L		03/23/20 09:10	03/26/20 00:37	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		03/23/20 09:10	03/26/20 00:37	1
3-Nitroaniline	ND		10	0.48	ug/L		03/23/20 09:10	03/26/20 00:37	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		03/23/20 09:10	03/26/20 00:37	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		03/23/20 09:10	03/26/20 00:37	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		03/23/20 09:10	03/26/20 00:37	1
4-Chloroaniline	ND		5.0	0.59	ug/L		03/23/20 09:10	03/26/20 00:37	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		03/23/20 09:10	03/26/20 00:37	1
4-Methylphenol	ND		10	0.36	ug/L		03/23/20 09:10	03/26/20 00:37	1
4-Nitroaniline	ND		10	0.25	ug/L		03/23/20 09:10	03/26/20 00:37	1
4-Nitrophenol	ND		10	1.5	ug/L		03/23/20 09:10	03/26/20 00:37	1
Acenaphthene	ND		5.0	0.41	ug/L		03/23/20 09:10	03/26/20 00:37	1
Acenaphthylene	ND		5.0	0.38	ug/L		03/23/20 09:10	03/26/20 00:37	1
Anthracene	ND		5.0	0.28	ug/L		03/23/20 09:10	03/26/20 00:37	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		03/23/20 09:10	03/26/20 00:37	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		03/23/20 09:10	03/26/20 00:37	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		03/23/20 09:10	03/26/20 00:37	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		03/23/20 09:10	03/26/20 00:37	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		03/23/20 09:10	03/26/20 00:37	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		03/23/20 09:10	03/26/20 00:37	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		03/23/20 09:10	03/26/20 00:37	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		03/23/20 09:10	03/26/20 00:37	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		03/23/20 09:10	03/26/20 00:37	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-167684-1

Client Sample ID: MW-2

Lab Sample ID: 480-167684-3

Date Collected: 03/17/20 12:30

Matrix: Water

Date Received: 03/19/20 15:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbazole	ND		5.0	0.30	ug/L		03/23/20 09:10	03/26/20 00:37	1
Chrysene	ND		5.0	0.33	ug/L		03/23/20 09:10	03/26/20 00:37	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		03/23/20 09:10	03/26/20 00:37	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		03/23/20 09:10	03/26/20 00:37	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		03/23/20 09:10	03/26/20 00:37	1
Dibenzofuran	ND		10	0.51	ug/L		03/23/20 09:10	03/26/20 00:37	1
Diethyl phthalate	ND		5.0	0.22	ug/L		03/23/20 09:10	03/26/20 00:37	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		03/23/20 09:10	03/26/20 00:37	1
Fluoranthene	ND		5.0	0.40	ug/L		03/23/20 09:10	03/26/20 00:37	1
Fluorene	ND		5.0	0.36	ug/L		03/23/20 09:10	03/26/20 00:37	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		03/23/20 09:10	03/26/20 00:37	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		03/23/20 09:10	03/26/20 00:37	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		03/23/20 09:10	03/26/20 00:37	1
Hexachloroethane	ND		5.0	0.59	ug/L		03/23/20 09:10	03/26/20 00:37	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		03/23/20 09:10	03/26/20 00:37	1
Isophorone	ND		5.0	0.43	ug/L		03/23/20 09:10	03/26/20 00:37	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		03/23/20 09:10	03/26/20 00:37	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		03/23/20 09:10	03/26/20 00:37	1
Naphthalene	ND		5.0	0.76	ug/L		03/23/20 09:10	03/26/20 00:37	1
Nitrobenzene	ND		5.0	0.29	ug/L		03/23/20 09:10	03/26/20 00:37	1
Pentachlorophenol	ND		10	2.2	ug/L		03/23/20 09:10	03/26/20 00:37	1
Phenanthrene	ND		5.0	0.44	ug/L		03/23/20 09:10	03/26/20 00:37	1
Phenol	ND		5.0	0.39	ug/L		03/23/20 09:10	03/26/20 00:37	1
Pyrene	ND		5.0	0.34	ug/L		03/23/20 09:10	03/26/20 00:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	85		41 - 120	03/23/20 09:10	03/26/20 00:37	1
2-Fluorobiphenyl	99		48 - 120	03/23/20 09:10	03/26/20 00:37	1
2-Fluorophenol	69		35 - 120	03/23/20 09:10	03/26/20 00:37	1
Nitrobenzene-d5	93		46 - 120	03/23/20 09:10	03/26/20 00:37	1
p-Terphenyl-d14	84		60 - 148	03/23/20 09:10	03/26/20 00:37	1
Phenol-d5	49		22 - 120	03/23/20 09:10	03/26/20 00:37	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		03/25/20 08:43	03/26/20 15:37	1
PCB-1221	ND		0.50	0.18	ug/L		03/25/20 08:43	03/26/20 15:37	1
PCB-1232	ND		0.50	0.18	ug/L		03/25/20 08:43	03/26/20 15:37	1
PCB-1242	ND		0.50	0.18	ug/L		03/25/20 08:43	03/26/20 15:37	1
PCB-1248	ND		0.50	0.18	ug/L		03/25/20 08:43	03/26/20 15:37	1
PCB-1254	ND		0.50	0.25	ug/L		03/25/20 08:43	03/26/20 15:37	1
PCB-1260	ND		0.50	0.25	ug/L		03/25/20 08:43	03/26/20 15:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	56		19 - 120	03/25/20 08:43	03/26/20 15:37	1
Tetrachloro-m-xylene	98		39 - 121	03/25/20 08:43	03/26/20 15:37	1

Client Sample Results

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

Job ID: 480-167684-1

Client Sample ID: MW-1

Lab Sample ID: 480-167684-4

Date Collected: 03/17/20 13:30

Matrix: Water

Date Received: 03/19/20 15:05

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			03/22/20 12:58	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/22/20 12:58	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/22/20 12:58	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/22/20 12:58	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/22/20 12:58	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/22/20 12:58	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			03/22/20 12:58	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/22/20 12:58	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/22/20 12:58	1
2-Hexanone	ND		5.0	1.2	ug/L			03/22/20 12:58	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/22/20 12:58	1
Acetone	ND		10	3.0	ug/L			03/22/20 12:58	1
Benzene	ND		1.0	0.41	ug/L			03/22/20 12:58	1
Bromoform	ND		1.0	0.26	ug/L			03/22/20 12:58	1
Bromomethane	ND		1.0	0.69	ug/L			03/22/20 12:58	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/22/20 12:58	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/22/20 12:58	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/22/20 12:58	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/22/20 12:58	1
Chloroethane	ND		1.0	0.32	ug/L			03/22/20 12:58	1
Chloroform	ND		1.0	0.34	ug/L			03/22/20 12:58	1
Chloromethane	ND		1.0	0.35	ug/L			03/22/20 12:58	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/22/20 12:58	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/22/20 12:58	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/22/20 12:58	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/22/20 12:58	1
Toluene	ND		1.0	0.51	ug/L			03/22/20 12:58	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/22/20 12:58	1
Trichloroethene	ND		1.0	0.46	ug/L			03/22/20 12:58	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/22/20 12:58	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/22/20 12:58	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/22/20 12:58	1
Styrene	ND		1.0	0.73	ug/L			03/22/20 12:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	89		77 - 120		03/22/20 12:58	1
4-Bromofluorobenzene (Surr)	111		73 - 120		03/22/20 12:58	1
Toluene-d8 (Surr)	96		80 - 120		03/22/20 12:58	1
Dibromofluoromethane (Surr)	91		75 - 123		03/22/20 12:58	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		03/23/20 09:10	03/26/20 01:05	1
1,2,4-Trichlorobenzene	ND		10	0.44	ug/L		03/23/20 09:10	03/26/20 01:05	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		03/23/20 09:10	03/26/20 01:05	1
1,2-Dichlorobenzene	ND		10	0.40	ug/L		03/23/20 09:10	03/26/20 01:05	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		03/23/20 09:10	03/26/20 01:05	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		03/23/20 09:10	03/26/20 01:05	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		03/23/20 09:10	03/26/20 01:05	1
1,3-Dichlorobenzene	ND		10	0.48	ug/L		03/23/20 09:10	03/26/20 01:05	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-167684-1

Client Sample ID: MW-1

Lab Sample ID: 480-167684-4

Date Collected: 03/17/20 13:30

Matrix: Water

Date Received: 03/19/20 15:05

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		03/23/20 09:10	03/26/20 01:05	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		03/23/20 09:10	03/26/20 01:05	1
1,4-Dichlorobenzene	ND		10	0.46	ug/L		03/23/20 09:10	03/26/20 01:05	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		03/23/20 09:10	03/26/20 01:05	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		03/23/20 09:10	03/26/20 01:05	1
2-Chlorophenol	ND		5.0	0.53	ug/L		03/23/20 09:10	03/26/20 01:05	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		03/23/20 09:10	03/26/20 01:05	1
2-Methylphenol	ND		5.0	0.40	ug/L		03/23/20 09:10	03/26/20 01:05	1
2-Nitroaniline	ND		10	0.42	ug/L		03/23/20 09:10	03/26/20 01:05	1
2-Nitrophenol	ND		5.0	0.48	ug/L		03/23/20 09:10	03/26/20 01:05	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		03/23/20 09:10	03/26/20 01:05	1
3-Nitroaniline	ND		10	0.48	ug/L		03/23/20 09:10	03/26/20 01:05	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		03/23/20 09:10	03/26/20 01:05	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		03/23/20 09:10	03/26/20 01:05	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		03/23/20 09:10	03/26/20 01:05	1
4-Chloroaniline	ND		5.0	0.59	ug/L		03/23/20 09:10	03/26/20 01:05	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		03/23/20 09:10	03/26/20 01:05	1
4-Methylphenol	ND		10	0.36	ug/L		03/23/20 09:10	03/26/20 01:05	1
4-Nitroaniline	ND		10	0.25	ug/L		03/23/20 09:10	03/26/20 01:05	1
4-Nitrophenol	ND		10	1.5	ug/L		03/23/20 09:10	03/26/20 01:05	1
Acenaphthene	ND		5.0	0.41	ug/L		03/23/20 09:10	03/26/20 01:05	1
Acenaphthylene	ND		5.0	0.38	ug/L		03/23/20 09:10	03/26/20 01:05	1
Anthracene	ND		5.0	0.28	ug/L		03/23/20 09:10	03/26/20 01:05	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		03/23/20 09:10	03/26/20 01:05	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		03/23/20 09:10	03/26/20 01:05	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		03/23/20 09:10	03/26/20 01:05	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		03/23/20 09:10	03/26/20 01:05	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		03/23/20 09:10	03/26/20 01:05	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		03/23/20 09:10	03/26/20 01:05	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		03/23/20 09:10	03/26/20 01:05	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		03/23/20 09:10	03/26/20 01:05	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		03/23/20 09:10	03/26/20 01:05	1
Carbazole	ND		5.0	0.30	ug/L		03/23/20 09:10	03/26/20 01:05	1
Chrysene	ND		5.0	0.33	ug/L		03/23/20 09:10	03/26/20 01:05	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		03/23/20 09:10	03/26/20 01:05	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		03/23/20 09:10	03/26/20 01:05	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		03/23/20 09:10	03/26/20 01:05	1
Dibenzofuran	ND		10	0.51	ug/L		03/23/20 09:10	03/26/20 01:05	1
Diethyl phthalate	ND		5.0	0.22	ug/L		03/23/20 09:10	03/26/20 01:05	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		03/23/20 09:10	03/26/20 01:05	1
Fluoranthene	ND		5.0	0.40	ug/L		03/23/20 09:10	03/26/20 01:05	1
Fluorene	ND		5.0	0.36	ug/L		03/23/20 09:10	03/26/20 01:05	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		03/23/20 09:10	03/26/20 01:05	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		03/23/20 09:10	03/26/20 01:05	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		03/23/20 09:10	03/26/20 01:05	1
Hexachloroethane	ND		5.0	0.59	ug/L		03/23/20 09:10	03/26/20 01:05	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		03/23/20 09:10	03/26/20 01:05	1
Isophorone	ND		5.0	0.43	ug/L		03/23/20 09:10	03/26/20 01:05	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		03/23/20 09:10	03/26/20 01:05	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-167684-1

Client Sample ID: MW-1

Lab Sample ID: 480-167684-4

Date Collected: 03/17/20 13:30

Matrix: Water

Date Received: 03/19/20 15:05

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		03/23/20 09:10	03/26/20 01:05	1
Naphthalene	ND		5.0	0.76	ug/L		03/23/20 09:10	03/26/20 01:05	1
Nitrobenzene	ND		5.0	0.29	ug/L		03/23/20 09:10	03/26/20 01:05	1
Pentachlorophenol	ND		10	2.2	ug/L		03/23/20 09:10	03/26/20 01:05	1
Phenanthrene	ND		5.0	0.44	ug/L		03/23/20 09:10	03/26/20 01:05	1
Phenol	ND		5.0	0.39	ug/L		03/23/20 09:10	03/26/20 01:05	1
Pyrene	ND		5.0	0.34	ug/L		03/23/20 09:10	03/26/20 01:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	82		41 - 120	03/23/20 09:10	03/26/20 01:05	1
2-Fluorobiphenyl	102		48 - 120	03/23/20 09:10	03/26/20 01:05	1
2-Fluorophenol	76		35 - 120	03/23/20 09:10	03/26/20 01:05	1
Nitrobenzene-d5	94		46 - 120	03/23/20 09:10	03/26/20 01:05	1
p-Terphenyl-d14	97		60 - 148	03/23/20 09:10	03/26/20 01:05	1
Phenol-d5	53		22 - 120	03/23/20 09:10	03/26/20 01:05	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		03/25/20 08:43	03/26/20 15:50	1
PCB-1221	ND		0.50	0.18	ug/L		03/25/20 08:43	03/26/20 15:50	1
PCB-1232	ND		0.50	0.18	ug/L		03/25/20 08:43	03/26/20 15:50	1
PCB-1242	ND		0.50	0.18	ug/L		03/25/20 08:43	03/26/20 15:50	1
PCB-1248	ND		0.50	0.18	ug/L		03/25/20 08:43	03/26/20 15:50	1
PCB-1254	ND		0.50	0.25	ug/L		03/25/20 08:43	03/26/20 15:50	1
PCB-1260	ND		0.50	0.25	ug/L		03/25/20 08:43	03/26/20 15:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	43		19 - 120	03/25/20 08:43	03/26/20 15:50	1
Tetrachloro-m-xylene	99		39 - 121	03/25/20 08:43	03/26/20 15:50	1

Client Sample ID: MW-3

Lab Sample ID: 480-167684-5

Date Collected: 03/18/20 09:00

Matrix: Water

Date Received: 03/19/20 15:05

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			03/22/20 13:21	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			03/22/20 13:21	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			03/22/20 13:21	4
1,1-Dichloroethane	ND		4.0	1.5	ug/L			03/22/20 13:21	4
1,1-Dichloroethene	ND		4.0	1.2	ug/L			03/22/20 13:21	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			03/22/20 13:21	4
1,2-Dichloroethene, Total	ND		8.0	3.2	ug/L			03/22/20 13:21	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			03/22/20 13:21	4
2-Butanone (MEK)	ND		40	5.3	ug/L			03/22/20 13:21	4
2-Hexanone	ND		20	5.0	ug/L			03/22/20 13:21	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			03/22/20 13:21	4
Acetone	ND		40	12	ug/L			03/22/20 13:21	4
Benzene	ND		4.0	1.6	ug/L			03/22/20 13:21	4
Bromoform	ND		4.0	1.0	ug/L			03/22/20 13:21	4
Bromomethane	ND		4.0	2.8	ug/L			03/22/20 13:21	4

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-167684-1

Client Sample ID: MW-3

Lab Sample ID: 480-167684-5

Date Collected: 03/18/20 09:00

Matrix: Water

Date Received: 03/19/20 15:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		4.0	0.76	ug/L			03/22/20 13:21	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			03/22/20 13:21	4
Chlorobenzene	ND		4.0	3.0	ug/L			03/22/20 13:21	4
Dibromochloromethane	ND		4.0	1.3	ug/L			03/22/20 13:21	4
Chloroethane	ND		4.0	1.3	ug/L			03/22/20 13:21	4
Chloroform	ND		4.0	1.4	ug/L			03/22/20 13:21	4
Chloromethane	ND		4.0	1.4	ug/L			03/22/20 13:21	4
Bromodichloromethane	ND		4.0	1.6	ug/L			03/22/20 13:21	4
Ethylbenzene	ND		4.0	3.0	ug/L			03/22/20 13:21	4
Methylene Chloride	ND		4.0	1.8	ug/L			03/22/20 13:21	4
Tetrachloroethene	ND		4.0	1.4	ug/L			03/22/20 13:21	4
Toluene	ND		4.0	2.0	ug/L			03/22/20 13:21	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			03/22/20 13:21	4
Trichloroethene	ND		4.0	1.8	ug/L			03/22/20 13:21	4
Vinyl chloride	ND		4.0	3.6	ug/L			03/22/20 13:21	4
Xylenes, Total	ND		8.0	2.6	ug/L			03/22/20 13:21	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			03/22/20 13:21	4
Styrene	ND		4.0	2.9	ug/L			03/22/20 13:21	4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	88		77 - 120		03/22/20 13:21	4
4-Bromofluorobenzene (Surr)	113		73 - 120		03/22/20 13:21	4
Toluene-d8 (Surr)	97		80 - 120		03/22/20 13:21	4
Dibromofluoromethane (Surr)	91		75 - 123		03/22/20 13:21	4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		03/23/20 09:10	03/26/20 01:33	1
1,2,4-Trichlorobenzene	ND		10	0.44	ug/L		03/23/20 09:10	03/26/20 01:33	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		03/23/20 09:10	03/26/20 01:33	1
1,2-Dichlorobenzene	ND		10	0.40	ug/L		03/23/20 09:10	03/26/20 01:33	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		03/23/20 09:10	03/26/20 01:33	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		03/23/20 09:10	03/26/20 01:33	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		03/23/20 09:10	03/26/20 01:33	1
1,3-Dichlorobenzene	ND		10	0.48	ug/L		03/23/20 09:10	03/26/20 01:33	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		03/23/20 09:10	03/26/20 01:33	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		03/23/20 09:10	03/26/20 01:33	1
1,4-Dichlorobenzene	ND		10	0.46	ug/L		03/23/20 09:10	03/26/20 01:33	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		03/23/20 09:10	03/26/20 01:33	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		03/23/20 09:10	03/26/20 01:33	1
2-Chlorophenol	ND		5.0	0.53	ug/L		03/23/20 09:10	03/26/20 01:33	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		03/23/20 09:10	03/26/20 01:33	1
2-Methylphenol	ND		5.0	0.40	ug/L		03/23/20 09:10	03/26/20 01:33	1
2-Nitroaniline	ND		10	0.42	ug/L		03/23/20 09:10	03/26/20 01:33	1
2-Nitrophenol	ND		5.0	0.48	ug/L		03/23/20 09:10	03/26/20 01:33	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		03/23/20 09:10	03/26/20 01:33	1
3-Nitroaniline	ND		10	0.48	ug/L		03/23/20 09:10	03/26/20 01:33	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		03/23/20 09:10	03/26/20 01:33	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		03/23/20 09:10	03/26/20 01:33	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		03/23/20 09:10	03/26/20 01:33	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-167684-1

Client Sample ID: MW-3

Lab Sample ID: 480-167684-5

Date Collected: 03/18/20 09:00

Matrix: Water

Date Received: 03/19/20 15:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chloroaniline	ND		5.0	0.59	ug/L		03/23/20 09:10	03/26/20 01:33	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		03/23/20 09:10	03/26/20 01:33	1
4-Methylphenol	ND		10	0.36	ug/L		03/23/20 09:10	03/26/20 01:33	1
4-Nitroaniline	ND		10	0.25	ug/L		03/23/20 09:10	03/26/20 01:33	1
4-Nitrophenol	ND		10	1.5	ug/L		03/23/20 09:10	03/26/20 01:33	1
Acenaphthene	ND		5.0	0.41	ug/L		03/23/20 09:10	03/26/20 01:33	1
Acenaphthylene	ND		5.0	0.38	ug/L		03/23/20 09:10	03/26/20 01:33	1
Anthracene	ND		5.0	0.28	ug/L		03/23/20 09:10	03/26/20 01:33	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		03/23/20 09:10	03/26/20 01:33	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		03/23/20 09:10	03/26/20 01:33	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		03/23/20 09:10	03/26/20 01:33	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		03/23/20 09:10	03/26/20 01:33	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		03/23/20 09:10	03/26/20 01:33	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		03/23/20 09:10	03/26/20 01:33	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		03/23/20 09:10	03/26/20 01:33	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		03/23/20 09:10	03/26/20 01:33	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		03/23/20 09:10	03/26/20 01:33	1
Carbazole	ND		5.0	0.30	ug/L		03/23/20 09:10	03/26/20 01:33	1
Chrysene	ND		5.0	0.33	ug/L		03/23/20 09:10	03/26/20 01:33	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		03/23/20 09:10	03/26/20 01:33	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		03/23/20 09:10	03/26/20 01:33	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		03/23/20 09:10	03/26/20 01:33	1
Dibenzofuran	ND		10	0.51	ug/L		03/23/20 09:10	03/26/20 01:33	1
Diethyl phthalate	ND		5.0	0.22	ug/L		03/23/20 09:10	03/26/20 01:33	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		03/23/20 09:10	03/26/20 01:33	1
Fluoranthene	ND		5.0	0.40	ug/L		03/23/20 09:10	03/26/20 01:33	1
Fluorene	ND		5.0	0.36	ug/L		03/23/20 09:10	03/26/20 01:33	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		03/23/20 09:10	03/26/20 01:33	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		03/23/20 09:10	03/26/20 01:33	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		03/23/20 09:10	03/26/20 01:33	1
Hexachloroethane	ND		5.0	0.59	ug/L		03/23/20 09:10	03/26/20 01:33	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		03/23/20 09:10	03/26/20 01:33	1
Isophorone	ND		5.0	0.43	ug/L		03/23/20 09:10	03/26/20 01:33	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		03/23/20 09:10	03/26/20 01:33	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		03/23/20 09:10	03/26/20 01:33	1
Naphthalene	ND		5.0	0.76	ug/L		03/23/20 09:10	03/26/20 01:33	1
Nitrobenzene	ND		5.0	0.29	ug/L		03/23/20 09:10	03/26/20 01:33	1
Pentachlorophenol	ND		10	2.2	ug/L		03/23/20 09:10	03/26/20 01:33	1
Phenanthrene	ND		5.0	0.44	ug/L		03/23/20 09:10	03/26/20 01:33	1
Phenol	ND		5.0	0.39	ug/L		03/23/20 09:10	03/26/20 01:33	1
Pyrene	ND		5.0	0.34	ug/L		03/23/20 09:10	03/26/20 01:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	105		41 - 120	03/23/20 09:10	03/26/20 01:33	1
2-Fluorobiphenyl	108		48 - 120	03/23/20 09:10	03/26/20 01:33	1
2-Fluorophenol	79		35 - 120	03/23/20 09:10	03/26/20 01:33	1
Nitrobenzene-d5	103		46 - 120	03/23/20 09:10	03/26/20 01:33	1
p-Terphenyl-d14	80		60 - 148	03/23/20 09:10	03/26/20 01:33	1
Phenol-d5	55		22 - 120	03/23/20 09:10	03/26/20 01:33	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-167684-1

Client Sample ID: MW-3

Lab Sample ID: 480-167684-5

Date Collected: 03/18/20 09:00

Matrix: Water

Date Received: 03/19/20 15:05

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		03/25/20 08:43	03/26/20 16:03	1
PCB-1221	ND		0.50	0.18	ug/L		03/25/20 08:43	03/26/20 16:03	1
PCB-1232	ND		0.50	0.18	ug/L		03/25/20 08:43	03/26/20 16:03	1
PCB-1242	ND		0.50	0.18	ug/L		03/25/20 08:43	03/26/20 16:03	1
PCB-1248	ND		0.50	0.18	ug/L		03/25/20 08:43	03/26/20 16:03	1
PCB-1254	ND		0.50	0.25	ug/L		03/25/20 08:43	03/26/20 16:03	1
PCB-1260	ND		0.50	0.25	ug/L		03/25/20 08:43	03/26/20 16:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	50		19 - 120	03/25/20 08:43	03/26/20 16:03	1
Tetrachloro-m-xylene	91		39 - 121	03/25/20 08:43	03/26/20 16:03	1

Client Sample ID: MW-4

Lab Sample ID: 480-167684-6

Date Collected: 03/18/20 09:45

Matrix: Water

Date Received: 03/19/20 15:05

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			03/22/20 13:44	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			03/22/20 13:44	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			03/22/20 13:44	2
1,1-Dichloroethane	ND		2.0	0.76	ug/L			03/22/20 13:44	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			03/22/20 13:44	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			03/22/20 13:44	2
1,2-Dichloroethene, Total	ND		4.0	1.6	ug/L			03/22/20 13:44	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			03/22/20 13:44	2
2-Butanone (MEK)	ND		20	2.6	ug/L			03/22/20 13:44	2
2-Hexanone	ND		10	2.5	ug/L			03/22/20 13:44	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			03/22/20 13:44	2
Acetone	ND		20	6.0	ug/L			03/22/20 13:44	2
Benzene	ND		2.0	0.82	ug/L			03/22/20 13:44	2
Bromoform	ND		2.0	0.52	ug/L			03/22/20 13:44	2
Bromomethane	ND		2.0	1.4	ug/L			03/22/20 13:44	2
Carbon disulfide	ND		2.0	0.38	ug/L			03/22/20 13:44	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			03/22/20 13:44	2
Chlorobenzene	ND		2.0	1.5	ug/L			03/22/20 13:44	2
Dibromochloromethane	ND		2.0	0.64	ug/L			03/22/20 13:44	2
Chloroethane	ND		2.0	0.64	ug/L			03/22/20 13:44	2
Chloroform	ND		2.0	0.68	ug/L			03/22/20 13:44	2
Chloromethane	ND		2.0	0.70	ug/L			03/22/20 13:44	2
Bromodichloromethane	ND		2.0	0.78	ug/L			03/22/20 13:44	2
Ethylbenzene	ND		2.0	1.5	ug/L			03/22/20 13:44	2
Methylene Chloride	ND		2.0	0.88	ug/L			03/22/20 13:44	2
Tetrachloroethene	ND		2.0	0.72	ug/L			03/22/20 13:44	2
Toluene	ND		2.0	1.0	ug/L			03/22/20 13:44	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			03/22/20 13:44	2
Trichloroethene	ND		2.0	0.92	ug/L			03/22/20 13:44	2
Vinyl chloride	ND		2.0	1.8	ug/L			03/22/20 13:44	2
Xylenes, Total	ND		4.0	1.3	ug/L			03/22/20 13:44	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			03/22/20 13:44	2

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-167684-1

Client Sample ID: MW-4

Lab Sample ID: 480-167684-6

Date Collected: 03/18/20 09:45

Matrix: Water

Date Received: 03/19/20 15:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		2.0	1.5	ug/L			03/22/20 13:44	2
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	87		77 - 120					03/22/20 13:44	2
4-Bromofluorobenzene (Surr)	117		73 - 120					03/22/20 13:44	2
Toluene-d8 (Surr)	98		80 - 120					03/22/20 13:44	2
Dibromofluoromethane (Surr)	89		75 - 123					03/22/20 13:44	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		03/23/20 09:10	03/26/20 02:02	1
1,2,4-Trichlorobenzene	ND		10	0.44	ug/L		03/23/20 09:10	03/26/20 02:02	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		03/23/20 09:10	03/26/20 02:02	1
1,2-Dichlorobenzene	ND		10	0.40	ug/L		03/23/20 09:10	03/26/20 02:02	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		03/23/20 09:10	03/26/20 02:02	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		03/23/20 09:10	03/26/20 02:02	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		03/23/20 09:10	03/26/20 02:02	1
1,3-Dichlorobenzene	ND		10	0.48	ug/L		03/23/20 09:10	03/26/20 02:02	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		03/23/20 09:10	03/26/20 02:02	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		03/23/20 09:10	03/26/20 02:02	1
1,4-Dichlorobenzene	ND		10	0.46	ug/L		03/23/20 09:10	03/26/20 02:02	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		03/23/20 09:10	03/26/20 02:02	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		03/23/20 09:10	03/26/20 02:02	1
2-Chlorophenol	ND		5.0	0.53	ug/L		03/23/20 09:10	03/26/20 02:02	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		03/23/20 09:10	03/26/20 02:02	1
2-Methylphenol	ND		5.0	0.40	ug/L		03/23/20 09:10	03/26/20 02:02	1
2-Nitroaniline	ND		10	0.42	ug/L		03/23/20 09:10	03/26/20 02:02	1
2-Nitrophenol	ND		5.0	0.48	ug/L		03/23/20 09:10	03/26/20 02:02	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		03/23/20 09:10	03/26/20 02:02	1
3-Nitroaniline	ND		10	0.48	ug/L		03/23/20 09:10	03/26/20 02:02	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		03/23/20 09:10	03/26/20 02:02	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		03/23/20 09:10	03/26/20 02:02	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		03/23/20 09:10	03/26/20 02:02	1
4-Chloroaniline	ND		5.0	0.59	ug/L		03/23/20 09:10	03/26/20 02:02	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		03/23/20 09:10	03/26/20 02:02	1
4-Methylphenol	ND		10	0.36	ug/L		03/23/20 09:10	03/26/20 02:02	1
4-Nitroaniline	ND		10	0.25	ug/L		03/23/20 09:10	03/26/20 02:02	1
4-Nitrophenol	ND		10	1.5	ug/L		03/23/20 09:10	03/26/20 02:02	1
Acenaphthene	ND		5.0	0.41	ug/L		03/23/20 09:10	03/26/20 02:02	1
Acenaphthylene	ND		5.0	0.38	ug/L		03/23/20 09:10	03/26/20 02:02	1
Anthracene	ND		5.0	0.28	ug/L		03/23/20 09:10	03/26/20 02:02	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		03/23/20 09:10	03/26/20 02:02	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		03/23/20 09:10	03/26/20 02:02	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		03/23/20 09:10	03/26/20 02:02	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		03/23/20 09:10	03/26/20 02:02	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		03/23/20 09:10	03/26/20 02:02	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		03/23/20 09:10	03/26/20 02:02	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		03/23/20 09:10	03/26/20 02:02	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		03/23/20 09:10	03/26/20 02:02	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		03/23/20 09:10	03/26/20 02:02	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-167684-1

Client Sample ID: MW-4

Lab Sample ID: 480-167684-6

Date Collected: 03/18/20 09:45

Matrix: Water

Date Received: 03/19/20 15:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbazole	ND		5.0	0.30	ug/L		03/23/20 09:10	03/26/20 02:02	1
Chrysene	ND		5.0	0.33	ug/L		03/23/20 09:10	03/26/20 02:02	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		03/23/20 09:10	03/26/20 02:02	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		03/23/20 09:10	03/26/20 02:02	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		03/23/20 09:10	03/26/20 02:02	1
Dibenzofuran	ND		10	0.51	ug/L		03/23/20 09:10	03/26/20 02:02	1
Diethyl phthalate	ND		5.0	0.22	ug/L		03/23/20 09:10	03/26/20 02:02	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		03/23/20 09:10	03/26/20 02:02	1
Fluoranthene	ND		5.0	0.40	ug/L		03/23/20 09:10	03/26/20 02:02	1
Fluorene	ND		5.0	0.36	ug/L		03/23/20 09:10	03/26/20 02:02	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		03/23/20 09:10	03/26/20 02:02	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		03/23/20 09:10	03/26/20 02:02	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		03/23/20 09:10	03/26/20 02:02	1
Hexachloroethane	ND		5.0	0.59	ug/L		03/23/20 09:10	03/26/20 02:02	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		03/23/20 09:10	03/26/20 02:02	1
Isophorone	ND		5.0	0.43	ug/L		03/23/20 09:10	03/26/20 02:02	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		03/23/20 09:10	03/26/20 02:02	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		03/23/20 09:10	03/26/20 02:02	1
Naphthalene	ND		5.0	0.76	ug/L		03/23/20 09:10	03/26/20 02:02	1
Nitrobenzene	ND		5.0	0.29	ug/L		03/23/20 09:10	03/26/20 02:02	1
Pentachlorophenol	ND		10	2.2	ug/L		03/23/20 09:10	03/26/20 02:02	1
Phenanthrene	ND		5.0	0.44	ug/L		03/23/20 09:10	03/26/20 02:02	1
Phenol	ND		5.0	0.39	ug/L		03/23/20 09:10	03/26/20 02:02	1
Pyrene	ND		5.0	0.34	ug/L		03/23/20 09:10	03/26/20 02:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	100		41 - 120	03/23/20 09:10	03/26/20 02:02	1
2-Fluorobiphenyl	105		48 - 120	03/23/20 09:10	03/26/20 02:02	1
2-Fluorophenol	75		35 - 120	03/23/20 09:10	03/26/20 02:02	1
Nitrobenzene-d5	96		46 - 120	03/23/20 09:10	03/26/20 02:02	1
p-Terphenyl-d14	75		60 - 148	03/23/20 09:10	03/26/20 02:02	1
Phenol-d5	52		22 - 120	03/23/20 09:10	03/26/20 02:02	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		03/25/20 08:43	03/26/20 16:16	1
PCB-1221	ND		0.50	0.18	ug/L		03/25/20 08:43	03/26/20 16:16	1
PCB-1232	ND		0.50	0.18	ug/L		03/25/20 08:43	03/26/20 16:16	1
PCB-1242	ND		0.50	0.18	ug/L		03/25/20 08:43	03/26/20 16:16	1
PCB-1248	ND		0.50	0.18	ug/L		03/25/20 08:43	03/26/20 16:16	1
PCB-1254	ND		0.50	0.25	ug/L		03/25/20 08:43	03/26/20 16:16	1
PCB-1260	ND		0.50	0.25	ug/L		03/25/20 08:43	03/26/20 16:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	51		19 - 120	03/25/20 08:43	03/26/20 16:16	1
Tetrachloro-m-xylene	93		39 - 121	03/25/20 08:43	03/26/20 16:16	1

Client Sample Results

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

Job ID: 480-167684-1

Client Sample ID: MW-5

Lab Sample ID: 480-167684-7

Date Collected: 03/18/20 10:40

Matrix: Water

Date Received: 03/19/20 15:05

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			03/22/20 14:07	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			03/22/20 14:07	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			03/22/20 14:07	2
1,1-Dichloroethane	ND		2.0	0.76	ug/L			03/22/20 14:07	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			03/22/20 14:07	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			03/22/20 14:07	2
1,2-Dichloroethene, Total	ND		4.0	1.6	ug/L			03/22/20 14:07	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			03/22/20 14:07	2
2-Butanone (MEK)	ND		20	2.6	ug/L			03/22/20 14:07	2
2-Hexanone	ND		10	2.5	ug/L			03/22/20 14:07	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			03/22/20 14:07	2
Acetone	15	J	20	6.0	ug/L			03/22/20 14:07	2
Benzene	1.0	J	2.0	0.82	ug/L			03/22/20 14:07	2
Bromoform	ND		2.0	0.52	ug/L			03/22/20 14:07	2
Bromomethane	ND		2.0	1.4	ug/L			03/22/20 14:07	2
Carbon disulfide	ND		2.0	0.38	ug/L			03/22/20 14:07	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			03/22/20 14:07	2
Chlorobenzene	ND		2.0	1.5	ug/L			03/22/20 14:07	2
Dibromochloromethane	ND		2.0	0.64	ug/L			03/22/20 14:07	2
Chloroethane	ND		2.0	0.64	ug/L			03/22/20 14:07	2
Chloroform	ND		2.0	0.68	ug/L			03/22/20 14:07	2
Chloromethane	ND		2.0	0.70	ug/L			03/22/20 14:07	2
Bromodichloromethane	ND		2.0	0.78	ug/L			03/22/20 14:07	2
Ethylbenzene	ND		2.0	1.5	ug/L			03/22/20 14:07	2
Methylene Chloride	ND		2.0	0.88	ug/L			03/22/20 14:07	2
Tetrachloroethene	ND		2.0	0.72	ug/L			03/22/20 14:07	2
Toluene	ND		2.0	1.0	ug/L			03/22/20 14:07	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			03/22/20 14:07	2
Trichloroethene	ND		2.0	0.92	ug/L			03/22/20 14:07	2
Vinyl chloride	ND		2.0	1.8	ug/L			03/22/20 14:07	2
Xylenes, Total	ND		4.0	1.3	ug/L			03/22/20 14:07	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			03/22/20 14:07	2
Styrene	ND		2.0	1.5	ug/L			03/22/20 14:07	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	87		77 - 120		03/22/20 14:07	2
4-Bromofluorobenzene (Surr)	106		73 - 120		03/22/20 14:07	2
Toluene-d8 (Surr)	95		80 - 120		03/22/20 14:07	2
Dibromofluoromethane (Surr)	91		75 - 123		03/22/20 14:07	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		03/23/20 09:10	03/26/20 02:30	1
1,2,4-Trichlorobenzene	ND		10	0.44	ug/L		03/23/20 09:10	03/26/20 02:30	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		03/23/20 09:10	03/26/20 02:30	1
1,2-Dichlorobenzene	ND		10	0.40	ug/L		03/23/20 09:10	03/26/20 02:30	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		03/23/20 09:10	03/26/20 02:30	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		03/23/20 09:10	03/26/20 02:30	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		03/23/20 09:10	03/26/20 02:30	1
1,3-Dichlorobenzene	ND		10	0.48	ug/L		03/23/20 09:10	03/26/20 02:30	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-167684-1

Client Sample ID: MW-5

Lab Sample ID: 480-167684-7

Date Collected: 03/18/20 10:40

Matrix: Water

Date Received: 03/19/20 15:05

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		03/23/20 09:10	03/26/20 02:30	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		03/23/20 09:10	03/26/20 02:30	1
1,4-Dichlorobenzene	ND		10	0.46	ug/L		03/23/20 09:10	03/26/20 02:30	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		03/23/20 09:10	03/26/20 02:30	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		03/23/20 09:10	03/26/20 02:30	1
2-Chlorophenol	ND		5.0	0.53	ug/L		03/23/20 09:10	03/26/20 02:30	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		03/23/20 09:10	03/26/20 02:30	1
2-Methylphenol	ND		5.0	0.40	ug/L		03/23/20 09:10	03/26/20 02:30	1
2-Nitroaniline	ND		10	0.42	ug/L		03/23/20 09:10	03/26/20 02:30	1
2-Nitrophenol	ND		5.0	0.48	ug/L		03/23/20 09:10	03/26/20 02:30	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		03/23/20 09:10	03/26/20 02:30	1
3-Nitroaniline	ND		10	0.48	ug/L		03/23/20 09:10	03/26/20 02:30	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		03/23/20 09:10	03/26/20 02:30	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		03/23/20 09:10	03/26/20 02:30	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		03/23/20 09:10	03/26/20 02:30	1
4-Chloroaniline	ND		5.0	0.59	ug/L		03/23/20 09:10	03/26/20 02:30	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		03/23/20 09:10	03/26/20 02:30	1
4-Methylphenol	ND		10	0.36	ug/L		03/23/20 09:10	03/26/20 02:30	1
4-Nitroaniline	ND		10	0.25	ug/L		03/23/20 09:10	03/26/20 02:30	1
4-Nitrophenol	ND		10	1.5	ug/L		03/23/20 09:10	03/26/20 02:30	1
Acenaphthene	ND		5.0	0.41	ug/L		03/23/20 09:10	03/26/20 02:30	1
Acenaphthylene	ND		5.0	0.38	ug/L		03/23/20 09:10	03/26/20 02:30	1
Anthracene	ND		5.0	0.28	ug/L		03/23/20 09:10	03/26/20 02:30	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		03/23/20 09:10	03/26/20 02:30	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		03/23/20 09:10	03/26/20 02:30	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		03/23/20 09:10	03/26/20 02:30	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		03/23/20 09:10	03/26/20 02:30	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		03/23/20 09:10	03/26/20 02:30	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		03/23/20 09:10	03/26/20 02:30	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		03/23/20 09:10	03/26/20 02:30	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		03/23/20 09:10	03/26/20 02:30	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		03/23/20 09:10	03/26/20 02:30	1
Carbazole	ND		5.0	0.30	ug/L		03/23/20 09:10	03/26/20 02:30	1
Chrysene	ND		5.0	0.33	ug/L		03/23/20 09:10	03/26/20 02:30	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		03/23/20 09:10	03/26/20 02:30	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		03/23/20 09:10	03/26/20 02:30	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		03/23/20 09:10	03/26/20 02:30	1
Dibenzofuran	ND		10	0.51	ug/L		03/23/20 09:10	03/26/20 02:30	1
Diethyl phthalate	ND		5.0	0.22	ug/L		03/23/20 09:10	03/26/20 02:30	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		03/23/20 09:10	03/26/20 02:30	1
Fluoranthene	ND		5.0	0.40	ug/L		03/23/20 09:10	03/26/20 02:30	1
Fluorene	ND		5.0	0.36	ug/L		03/23/20 09:10	03/26/20 02:30	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		03/23/20 09:10	03/26/20 02:30	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		03/23/20 09:10	03/26/20 02:30	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		03/23/20 09:10	03/26/20 02:30	1
Hexachloroethane	ND		5.0	0.59	ug/L		03/23/20 09:10	03/26/20 02:30	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		03/23/20 09:10	03/26/20 02:30	1
Isophorone	ND		5.0	0.43	ug/L		03/23/20 09:10	03/26/20 02:30	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		03/23/20 09:10	03/26/20 02:30	1

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Client Sample Results

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

Job ID: 480-167684-1

Client Sample ID: MW-5

Lab Sample ID: 480-167684-7

Date Collected: 03/18/20 10:40

Matrix: Water

Date Received: 03/19/20 15:05

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		03/23/20 09:10	03/26/20 02:30	1
Naphthalene	ND		5.0	0.76	ug/L		03/23/20 09:10	03/26/20 02:30	1
Nitrobenzene	ND		5.0	0.29	ug/L		03/23/20 09:10	03/26/20 02:30	1
Pentachlorophenol	ND		10	2.2	ug/L		03/23/20 09:10	03/26/20 02:30	1
Phenanthrene	ND		5.0	0.44	ug/L		03/23/20 09:10	03/26/20 02:30	1
Phenol	ND		5.0	0.39	ug/L		03/23/20 09:10	03/26/20 02:30	1
Pyrene	ND		5.0	0.34	ug/L		03/23/20 09:10	03/26/20 02:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	98		41 - 120	03/23/20 09:10	03/26/20 02:30	1
2-Fluorobiphenyl	99		48 - 120	03/23/20 09:10	03/26/20 02:30	1
2-Fluorophenol	68		35 - 120	03/23/20 09:10	03/26/20 02:30	1
Nitrobenzene-d5	91		46 - 120	03/23/20 09:10	03/26/20 02:30	1
p-Terphenyl-d14	81		60 - 148	03/23/20 09:10	03/26/20 02:30	1
Phenol-d5	50		22 - 120	03/23/20 09:10	03/26/20 02:30	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		03/25/20 08:43	03/26/20 16:28	1
PCB-1221	ND		0.50	0.18	ug/L		03/25/20 08:43	03/26/20 16:28	1
PCB-1232	ND		0.50	0.18	ug/L		03/25/20 08:43	03/26/20 16:28	1
PCB-1242	ND		0.50	0.18	ug/L		03/25/20 08:43	03/26/20 16:28	1
PCB-1248	ND		0.50	0.18	ug/L		03/25/20 08:43	03/26/20 16:28	1
PCB-1254	ND		0.50	0.25	ug/L		03/25/20 08:43	03/26/20 16:28	1
PCB-1260	ND		0.50	0.25	ug/L		03/25/20 08:43	03/26/20 16:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	54		19 - 120	03/25/20 08:43	03/26/20 16:28	1
Tetrachloro-m-xylene	91		39 - 121	03/25/20 08:43	03/26/20 16:28	1

Surrogate Summary

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

Job ID: 480-167684-1

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)			
		DCA (77-120)	BFB (73-120)	TOL (80-120)	DBFM (75-123)
480-167684-1	MW-6	89	113	97	94
480-167684-1 MS	MW-6	84	117	99	89
480-167684-1 MSD	MW-6	84	112	96	89
480-167684-2	MW-7	90	114	101	92
480-167684-3	MW-2	87	112	96	90
480-167684-4	MW-1	89	111	96	91
480-167684-5	MW-3	88	113	97	91
480-167684-6	MW-4	87	117	98	89
480-167684-7	MW-5	87	106	95	91
LCS 480-522523/5	Lab Control Sample	88	110	99	93
MB 480-522523/8	Method Blank	89	109	101	94

Surrogate Legend

DCA = 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)	TPHd14 (60-148)	PHL (22-120)
480-167684-1	MW-6	96	100	75	93	92	53
480-167684-1 MS	MW-6	95	95	80	95	77	60
480-167684-1 MSD	MW-6	87	88	66	85	70	49
480-167684-2	MW-7	91	98	72	92	83	53
480-167684-3	MW-2	85	99	69	93	84	49
480-167684-4	MW-1	82	102	76	94	97	53
480-167684-5	MW-3	105	108	79	103	80	55
480-167684-6	MW-4	100	105	75	96	75	52
480-167684-7	MW-5	98	99	68	91	81	50
LCS 480-522579/2-A	Lab Control Sample	90	89	70	84	99	55
MB 480-522579/1-A	Method Blank	78	94	75	92	116	54

Surrogate Legend

TBP = 2,4,6-Tribromophenol
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol
NBZ = Nitrobenzene-d5
TPHd14 = p-Terphenyl-d14
PHL = Phenol-d5

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		DCBP2 (19-120)	TCX2 (39-121)
480-167684-1	MW-6	56	92

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Surrogate Summary

Client: Groundwater & Environmental Services Inc

Job ID: 480-167684-1

Project/Site: Cherry Farms Annual GW Sample

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	DCBP2 (19-120)	TCX2 (39-121)				
480-167684-1 MS	MW-6	48	98				
480-167684-1 MSD	MW-6	38	96				
480-167684-2	MW-7	54	97				
480-167684-3	MW-2	56	98				
480-167684-4	MW-1	43	99				
480-167684-5	MW-3	50	91				
480-167684-6	MW-4	51	93				
480-167684-7	MW-5	54	91				
LCS 480-522939/2-A	Lab Control Sample	40	91				
MB 480-522939/1-A	Method Blank	60	93				

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

QC Sample Results

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

Job ID: 480-167684-1

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

Lab Sample ID: MB 480-522523/8

Matrix: Water

Analysis Batch: 522523

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			03/22/20 09:42	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/22/20 09:42	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/22/20 09:42	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/22/20 09:42	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/22/20 09:42	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/22/20 09:42	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			03/22/20 09:42	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/22/20 09:42	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/22/20 09:42	1
2-Hexanone	ND		5.0	1.2	ug/L			03/22/20 09:42	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/22/20 09:42	1
Acetone	ND		10	3.0	ug/L			03/22/20 09:42	1
Benzene	ND		1.0	0.41	ug/L			03/22/20 09:42	1
Bromoform	ND		1.0	0.26	ug/L			03/22/20 09:42	1
Bromomethane	ND		1.0	0.69	ug/L			03/22/20 09:42	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/22/20 09:42	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/22/20 09:42	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/22/20 09:42	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/22/20 09:42	1
Chloroethane	ND		1.0	0.32	ug/L			03/22/20 09:42	1
Chloroform	ND		1.0	0.34	ug/L			03/22/20 09:42	1
Chloromethane	ND		1.0	0.35	ug/L			03/22/20 09:42	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/22/20 09:42	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/22/20 09:42	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/22/20 09:42	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/22/20 09:42	1
Toluene	ND		1.0	0.51	ug/L			03/22/20 09:42	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/22/20 09:42	1
Trichloroethene	ND		1.0	0.46	ug/L			03/22/20 09:42	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/22/20 09:42	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/22/20 09:42	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/22/20 09:42	1
Styrene	ND		1.0	0.73	ug/L			03/22/20 09:42	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	89		77 - 120		03/22/20 09:42	1
4-Bromofluorobenzene (Surr)	109		73 - 120		03/22/20 09:42	1
Toluene-d8 (Surr)	101		80 - 120		03/22/20 09:42	1
Dibromofluoromethane (Surr)	94		75 - 123		03/22/20 09:42	1

Lab Sample ID: LCS 480-522523/5

Matrix: Water

Analysis Batch: 522523

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	22.1		ug/L		88	73 - 126
1,1,2,2-Tetrachloroethane	25.0	24.9		ug/L		100	76 - 120
1,1,2-Trichloroethane	25.0	25.3		ug/L		101	76 - 122

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-167684-1

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

Lab Sample ID: LCS 480-522523/5

Matrix: Water

Analysis Batch: 522523

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	23.9		ug/L		96	77 - 120
1,1-Dichloroethene	25.0	22.8		ug/L		91	66 - 127
1,2-Dichloroethane	25.0	23.1		ug/L		92	75 - 120
1,2-Dichloropropane	25.0	25.6		ug/L		102	76 - 120
2-Butanone (MEK)	125	128		ug/L		103	57 - 140
2-Hexanone	125	131		ug/L		105	65 - 127
4-Methyl-2-pentanone (MIBK)	125	132		ug/L		106	71 - 125
Acetone	125	138		ug/L		110	56 - 142
Benzene	25.0	23.6		ug/L		94	71 - 124
Bromoform	25.0	30.3		ug/L		121	61 - 132
Bromomethane	25.0	24.5		ug/L		98	55 - 144
Carbon disulfide	25.0	23.7		ug/L		95	59 - 134
Carbon tetrachloride	25.0	22.6		ug/L		90	72 - 134
Chlorobenzene	25.0	25.3		ug/L		101	80 - 120
Dibromochloromethane	25.0	26.6		ug/L		107	75 - 125
Chloroethane	25.0	24.1		ug/L		96	69 - 136
Chloroform	25.0	22.5		ug/L		90	73 - 127
Chloromethane	25.0	24.9		ug/L		100	68 - 124
Bromodichloromethane	25.0	24.4		ug/L		98	80 - 122
Ethylbenzene	25.0	24.2		ug/L		97	77 - 123
Methylene Chloride	25.0	25.1		ug/L		100	75 - 124
Tetrachloroethene	25.0	25.4		ug/L		102	74 - 122
Toluene	25.0	24.2		ug/L		97	80 - 122
trans-1,3-Dichloropropene	25.0	26.4		ug/L		105	80 - 120
Trichloroethene	25.0	23.0		ug/L		92	74 - 123
Vinyl chloride	25.0	24.3		ug/L		97	65 - 133
cis-1,3-Dichloropropene	25.0	24.8		ug/L		99	74 - 124
Styrene	25.0	25.7		ug/L		103	80 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	88		77 - 120
4-Bromofluorobenzene (Surr)	110		73 - 120
Toluene-d8 (Surr)	99		80 - 120
Dibromofluoromethane (Surr)	93		75 - 123

Lab Sample ID: 480-167684-1 MS

Matrix: Water

Analysis Batch: 522523

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		50.0	41.1		ug/L		82	73 - 126
1,1,2,2-Tetrachloroethane	ND		50.0	48.5		ug/L		97	76 - 120
1,1,2-Trichloroethane	ND		50.0	50.4		ug/L		101	76 - 122
1,1-Dichloroethane	ND		50.0	46.7		ug/L		93	77 - 120
1,1-Dichloroethene	ND		50.0	46.0		ug/L		92	66 - 127
1,2-Dichloroethane	ND		50.0	43.1		ug/L		86	75 - 120
1,2-Dichloropropane	ND		50.0	49.0		ug/L		98	76 - 120
2-Butanone (MEK)	ND		250	252		ug/L		101	57 - 140

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-167684-1

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

Lab Sample ID: 480-167684-1 MS

Matrix: Water

Analysis Batch: 522523

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
2-Hexanone	ND		250	278		ug/L		111	65 - 127
4-Methyl-2-pentanone (MIBK)	ND		250	267		ug/L		107	71 - 125
Acetone	ND		250	251		ug/L		100	56 - 142
Benzene	ND		50.0	45.9		ug/L		92	71 - 124
Bromoform	ND		50.0	46.4		ug/L		93	61 - 132
Bromomethane	ND		50.0	47.5		ug/L		95	55 - 144
Carbon disulfide	ND		50.0	42.7		ug/L		85	59 - 134
Carbon tetrachloride	ND		50.0	42.4		ug/L		85	72 - 134
Chlorobenzene	ND		50.0	50.2		ug/L		100	80 - 120
Dibromochloromethane	ND		50.0	45.8		ug/L		92	75 - 125
Chloroethane	ND		50.0	47.3		ug/L		95	69 - 136
Chloroform	ND		50.0	43.2		ug/L		86	73 - 127
Chloromethane	ND		50.0	48.5		ug/L		97	68 - 124
Bromodichloromethane	ND		50.0	44.7		ug/L		89	80 - 122
Ethylbenzene	ND		50.0	48.3		ug/L		97	77 - 123
Methylene Chloride	ND		50.0	48.9		ug/L		98	75 - 124
Tetrachloroethene	ND		50.0	50.8		ug/L		102	74 - 122
Toluene	ND		50.0	47.9		ug/L		96	80 - 122
trans-1,3-Dichloropropene	ND		50.0	48.1		ug/L		96	80 - 120
Trichloroethene	ND		50.0	43.0		ug/L		86	74 - 123
Vinyl chloride	ND		50.0	47.3		ug/L		95	65 - 133
cis-1,3-Dichloropropene	ND		50.0	47.5		ug/L		95	74 - 124
Styrene	ND		50.0	49.8		ug/L		100	80 - 120

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	84		77 - 120
4-Bromofluorobenzene (Surr)	117		73 - 120
Toluene-d8 (Surr)	99		80 - 120
Dibromofluoromethane (Surr)	89		75 - 123

Lab Sample ID: 480-167684-1 MSD

Matrix: Water

Analysis Batch: 522523

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		50.0	41.1		ug/L		82	73 - 126	0	15
1,1,2,2-Tetrachloroethane	ND		50.0	47.2		ug/L		94	76 - 120	3	15
1,1,2-Trichloroethane	ND		50.0	47.3		ug/L		95	76 - 122	6	15
1,1-Dichloroethane	ND		50.0	45.1		ug/L		90	77 - 120	3	20
1,1-Dichloroethene	ND		50.0	44.6		ug/L		89	66 - 127	3	16
1,2-Dichloroethane	ND		50.0	43.3		ug/L		87	75 - 120	0	20
1,2-Dichloropropane	ND		50.0	47.3		ug/L		95	76 - 120	3	20
2-Butanone (MEK)	ND		250	257		ug/L		103	57 - 140	2	20
2-Hexanone	ND		250	272		ug/L		109	65 - 127	2	15
4-Methyl-2-pentanone (MIBK)	ND		250	261		ug/L		104	71 - 125	2	35
Acetone	ND		250	259		ug/L		103	56 - 142	3	15
Benzene	ND		50.0	45.3		ug/L		91	71 - 124	1	13
Bromoform	ND		50.0	44.4		ug/L		89	61 - 132	4	15

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-167684-1

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

Lab Sample ID: 480-167684-1 MSD

Matrix: Water

Analysis Batch: 522523

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
Bromomethane	ND		50.0	47.0		ug/L		94	55 - 144	1	15
Carbon disulfide	ND		50.0	42.5		ug/L		85	59 - 134	0	15
Carbon tetrachloride	ND		50.0	43.5		ug/L		87	72 - 134	3	15
Chlorobenzene	ND		50.0	48.4		ug/L		97	80 - 120	4	25
Dibromochloromethane	ND		50.0	44.0		ug/L		88	75 - 125	4	15
Chloroethane	ND		50.0	48.2		ug/L		96	69 - 136	2	15
Chloroform	ND		50.0	42.9		ug/L		86	73 - 127	1	20
Chloromethane	ND		50.0	48.5		ug/L		97	68 - 124	0	15
Bromodichloromethane	ND		50.0	45.3		ug/L		91	80 - 122	1	15
Ethylbenzene	ND		50.0	46.5		ug/L		93	77 - 123	4	15
Methylene Chloride	ND		50.0	48.2		ug/L		96	75 - 124	1	15
Tetrachloroethene	ND		50.0	47.2		ug/L		94	74 - 122	7	20
Toluene	ND		50.0	46.8		ug/L		94	80 - 122	2	15
trans-1,3-Dichloropropene	ND		50.0	48.4		ug/L		97	80 - 120	1	15
Trichloroethene	ND		50.0	43.0		ug/L		86	74 - 123	0	16
Vinyl chloride	ND		50.0	49.6		ug/L		99	65 - 133	5	15
cis-1,3-Dichloropropene	ND		50.0	45.6		ug/L		91	74 - 124	4	15
Styrene	ND		50.0	48.5		ug/L		97	80 - 120	3	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	84		77 - 120
4-Bromofluorobenzene (Surr)	112		73 - 120
Toluene-d8 (Surr)	96		80 - 120
Dibromofluoromethane (Surr)	89		75 - 123

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

Lab Sample ID: MB 480-522579/1-A

Matrix: Water

Analysis Batch: 522987

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 522579

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		03/23/20 09:10	03/25/20 16:59	1
1,2,4-Trichlorobenzene	ND		10	0.44	ug/L		03/23/20 09:10	03/25/20 16:59	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		03/23/20 09:10	03/25/20 16:59	1
1,2-Dichlorobenzene	ND		10	0.40	ug/L		03/23/20 09:10	03/25/20 16:59	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		03/23/20 09:10	03/25/20 16:59	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		03/23/20 09:10	03/25/20 16:59	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		03/23/20 09:10	03/25/20 16:59	1
1,3-Dichlorobenzene	ND		10	0.48	ug/L		03/23/20 09:10	03/25/20 16:59	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		03/23/20 09:10	03/25/20 16:59	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		03/23/20 09:10	03/25/20 16:59	1
1,4-Dichlorobenzene	ND		10	0.46	ug/L		03/23/20 09:10	03/25/20 16:59	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		03/23/20 09:10	03/25/20 16:59	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		03/23/20 09:10	03/25/20 16:59	1
2-Chlorophenol	ND		5.0	0.53	ug/L		03/23/20 09:10	03/25/20 16:59	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		03/23/20 09:10	03/25/20 16:59	1
2-Methylphenol	ND		5.0	0.40	ug/L		03/23/20 09:10	03/25/20 16:59	1
2-Nitroaniline	ND		10	0.42	ug/L		03/23/20 09:10	03/25/20 16:59	1

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-167684-1

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

Lab Sample ID: MB 480-522579/1-A

Matrix: Water

Analysis Batch: 522987

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 522579

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitrophenol	ND		5.0	0.48	ug/L		03/23/20 09:10	03/25/20 16:59	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		03/23/20 09:10	03/25/20 16:59	1
3-Nitroaniline	ND		10	0.48	ug/L		03/23/20 09:10	03/25/20 16:59	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		03/23/20 09:10	03/25/20 16:59	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		03/23/20 09:10	03/25/20 16:59	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		03/23/20 09:10	03/25/20 16:59	1
4-Chloroaniline	ND		5.0	0.59	ug/L		03/23/20 09:10	03/25/20 16:59	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		03/23/20 09:10	03/25/20 16:59	1
4-Methylphenol	ND		10	0.36	ug/L		03/23/20 09:10	03/25/20 16:59	1
4-Nitroaniline	ND		10	0.25	ug/L		03/23/20 09:10	03/25/20 16:59	1
4-Nitrophenol	ND		10	1.5	ug/L		03/23/20 09:10	03/25/20 16:59	1
Acenaphthene	ND		5.0	0.41	ug/L		03/23/20 09:10	03/25/20 16:59	1
Acenaphthylene	ND		5.0	0.38	ug/L		03/23/20 09:10	03/25/20 16:59	1
Anthracene	ND		5.0	0.28	ug/L		03/23/20 09:10	03/25/20 16:59	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		03/23/20 09:10	03/25/20 16:59	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		03/23/20 09:10	03/25/20 16:59	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		03/23/20 09:10	03/25/20 16:59	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		03/23/20 09:10	03/25/20 16:59	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		03/23/20 09:10	03/25/20 16:59	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		03/23/20 09:10	03/25/20 16:59	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		03/23/20 09:10	03/25/20 16:59	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		03/23/20 09:10	03/25/20 16:59	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		03/23/20 09:10	03/25/20 16:59	1
Carbazole	ND		5.0	0.30	ug/L		03/23/20 09:10	03/25/20 16:59	1
Chrysene	ND		5.0	0.33	ug/L		03/23/20 09:10	03/25/20 16:59	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		03/23/20 09:10	03/25/20 16:59	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		03/23/20 09:10	03/25/20 16:59	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		03/23/20 09:10	03/25/20 16:59	1
Dibenzofuran	ND		10	0.51	ug/L		03/23/20 09:10	03/25/20 16:59	1
Diethyl phthalate	ND		5.0	0.22	ug/L		03/23/20 09:10	03/25/20 16:59	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		03/23/20 09:10	03/25/20 16:59	1
Fluoranthene	ND		5.0	0.40	ug/L		03/23/20 09:10	03/25/20 16:59	1
Fluorene	ND		5.0	0.36	ug/L		03/23/20 09:10	03/25/20 16:59	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		03/23/20 09:10	03/25/20 16:59	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		03/23/20 09:10	03/25/20 16:59	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		03/23/20 09:10	03/25/20 16:59	1
Hexachloroethane	ND		5.0	0.59	ug/L		03/23/20 09:10	03/25/20 16:59	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		03/23/20 09:10	03/25/20 16:59	1
Isophorone	ND		5.0	0.43	ug/L		03/23/20 09:10	03/25/20 16:59	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		03/23/20 09:10	03/25/20 16:59	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		03/23/20 09:10	03/25/20 16:59	1
Naphthalene	ND		5.0	0.76	ug/L		03/23/20 09:10	03/25/20 16:59	1
Nitrobenzene	ND		5.0	0.29	ug/L		03/23/20 09:10	03/25/20 16:59	1
Pentachlorophenol	ND		10	2.2	ug/L		03/23/20 09:10	03/25/20 16:59	1
Phenanthrene	ND		5.0	0.44	ug/L		03/23/20 09:10	03/25/20 16:59	1
Phenol	ND		5.0	0.39	ug/L		03/23/20 09:10	03/25/20 16:59	1
Pyrene	ND		5.0	0.34	ug/L		03/23/20 09:10	03/25/20 16:59	1

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-167684-1

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

Lab Sample ID: MB 480-522579/1-A

Matrix: Water

Analysis Batch: 522987

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 522579

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	78		41 - 120	03/23/20 09:10	03/25/20 16:59	1
2-Fluorobiphenyl	94		48 - 120	03/23/20 09:10	03/25/20 16:59	1
2-Fluorophenol	75		35 - 120	03/23/20 09:10	03/25/20 16:59	1
Nitrobenzene-d5	92		46 - 120	03/23/20 09:10	03/25/20 16:59	1
p-Terphenyl-d14	116		60 - 148	03/23/20 09:10	03/25/20 16:59	1
Phenol-d5	54		22 - 120	03/23/20 09:10	03/25/20 16:59	1

Lab Sample ID: LCS 480-522579/2-A

Matrix: Water

Analysis Batch: 522987

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 522579

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
bis (2-chloroisopropyl) ether	32.0	27.2		ug/L		85	21 - 136
1,2,4-Trichlorobenzene	32.0	23.0		ug/L		72	40 - 120
2,4,5-Trichlorophenol	32.0	29.6		ug/L		92	65 - 126
1,2-Dichlorobenzene	32.0	25.1		ug/L		78	49 - 120
2,4,6-Trichlorophenol	32.0	29.4		ug/L		92	64 - 120
2,4-Dichlorophenol	32.0	28.9		ug/L		90	63 - 120
2,4-Dimethylphenol	32.0	28.1		ug/L		88	47 - 120
1,3-Dichlorobenzene	32.0	23.9		ug/L		75	50 - 120
2,4-Dinitrophenol	64.0	57.7		ug/L		90	31 - 137
2,4-Dinitrotoluene	32.0	30.3		ug/L		95	69 - 120
1,4-Dichlorobenzene	32.0	24.3		ug/L		76	51 - 120
2,6-Dinitrotoluene	32.0	29.5		ug/L		92	68 - 120
2-Chloronaphthalene	32.0	24.7		ug/L		77	58 - 120
2-Chlorophenol	32.0	27.1		ug/L		85	48 - 120
2-Methylnaphthalene	32.0	24.5		ug/L		76	59 - 120
2-Methylphenol	32.0	27.8		ug/L		87	39 - 120
2-Nitroaniline	32.0	28.7		ug/L		90	54 - 127
2-Nitrophenol	32.0	27.0		ug/L		84	52 - 125
3,3'-Dichlorobenzidine	64.0	52.1		ug/L		81	49 - 135
3-Nitroaniline	32.0	23.9		ug/L		75	51 - 120
4,6-Dinitro-2-methylphenol	64.0	53.7		ug/L		84	46 - 136
4-Bromophenyl phenyl ether	32.0	28.4		ug/L		89	65 - 120
4-Chloro-3-methylphenol	32.0	28.4		ug/L		89	61 - 123
4-Chloroaniline	32.0	20.2		ug/L		63	30 - 120
4-Chlorophenyl phenyl ether	32.0	26.7		ug/L		83	62 - 120
4-Methylphenol	32.0	26.9		ug/L		84	29 - 131
4-Nitroaniline	32.0	27.2		ug/L		85	65 - 120
4-Nitrophenol	64.0	51.5		ug/L		80	45 - 120
Acenaphthene	32.0	27.5		ug/L		86	60 - 120
Acenaphthylene	32.0	28.7		ug/L		90	63 - 120
Anthracene	32.0	29.4		ug/L		92	67 - 120
Benzo[a]anthracene	32.0	30.5		ug/L		95	70 - 121
Benzo[a]pyrene	32.0	28.1		ug/L		88	60 - 123
Benzo[b]fluoranthene	32.0	31.2		ug/L		97	66 - 126
Benzo[g,h,i]perylene	32.0	30.1		ug/L		94	66 - 150
Benzo[k]fluoranthene	32.0	31.5		ug/L		98	65 - 124

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-167684-1

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

Lab Sample ID: LCS 480-522579/2-A

Matrix: Water

Analysis Batch: 522987

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 522579

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bis(2-chloroethoxy)methane	32.0	27.7		ug/L		87	50 - 128
Bis(2-chloroethyl)ether	32.0	28.2		ug/L		88	44 - 120
Bis(2-ethylhexyl) phthalate	32.0	31.0		ug/L		97	63 - 139
Butyl benzyl phthalate	32.0	31.2		ug/L		98	70 - 129
Carbazole	32.0	31.0		ug/L		97	66 - 123
Chrysene	32.0	30.0		ug/L		94	69 - 120
Di-n-butyl phthalate	32.0	32.4		ug/L		101	69 - 131
Di-n-octyl phthalate	32.0	30.9		ug/L		97	63 - 140
Dibenz(a,h)anthracene	32.0	30.2		ug/L		94	65 - 135
Dibenzofuran	32.0	27.5		ug/L		86	66 - 120
Diethyl phthalate	32.0	31.6		ug/L		99	59 - 127
Dimethyl phthalate	32.0	30.6		ug/L		96	68 - 120
Fluoranthene	32.0	30.8		ug/L		96	69 - 126
Fluorene	32.0	29.0		ug/L		91	66 - 120
Hexachlorobenzene	32.0	26.6		ug/L		83	61 - 120
Hexachlorobutadiene	32.0	20.6		ug/L		64	35 - 120
Hexachlorocyclopentadiene	32.0	16.5		ug/L		52	31 - 120
Hexachloroethane	32.0	23.6		ug/L		74	43 - 120
Indeno[1,2,3-cd]pyrene	32.0	30.1		ug/L		94	69 - 146
Isophorone	32.0	28.2		ug/L		88	55 - 120
N-Nitrosodi-n-propylamine	32.0	26.7		ug/L		83	32 - 140
N-Nitrosodiphenylamine	32.0	28.5		ug/L		89	61 - 120
Naphthalene	32.0	24.8		ug/L		77	57 - 120
Nitrobenzene	32.0	26.7		ug/L		83	53 - 123
Pentachlorophenol	64.0	62.0		ug/L		97	29 - 136
Phenanthrene	32.0	29.2		ug/L		91	68 - 120
Phenol	32.0	17.4		ug/L		55	17 - 120
Pyrene	32.0	30.9		ug/L		96	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol	90		41 - 120
2-Fluorobiphenyl	89		48 - 120
2-Fluorophenol	70		35 - 120
Nitrobenzene-d5	84		46 - 120
p-Terphenyl-d14	99		60 - 148
Phenol-d5	55		22 - 120

Lab Sample ID: 480-167684-1 MS

Matrix: Water

Analysis Batch: 522987

Client Sample ID: MW-6

Prep Type: Total/NA

Prep Batch: 522579

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
bis (2-chloroisopropyl) ether	ND		32.0	28.5		ug/L		89	28 - 121
1,2,4-Trichlorobenzene	ND		32.0	25.4		ug/L		79	49 - 120
2,4,5-Trichlorophenol	ND		32.0	32.4		ug/L		101	65 - 126
1,2-Dichlorobenzene	ND		32.0	26.8		ug/L		84	48 - 120
2,4,6-Trichlorophenol	ND		32.0	32.5		ug/L		101	64 - 120
2,4-Dichlorophenol	ND		32.0	31.8		ug/L		100	48 - 132

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-167684-1

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

Lab Sample ID: 480-167684-1 MS

Matrix: Water

Analysis Batch: 522987

Client Sample ID: MW-6

Prep Type: Total/NA

Prep Batch: 522579

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-Dimethylphenol	ND		32.0	30.1		ug/L		94	39 - 130
1,3-Dichlorobenzene	ND		32.0	26.1		ug/L		82	51 - 120
2,4-Dinitrophenol	ND		64.0	63.5		ug/L		99	21 - 150
2,4-Dinitrotoluene	ND		32.0	31.0		ug/L		97	54 - 138
1,4-Dichlorobenzene	ND		32.0	26.5		ug/L		83	32 - 150
2,6-Dinitrotoluene	ND		32.0	29.6		ug/L		92	17 - 150
2-Chloronaphthalene	ND		32.0	26.3		ug/L		82	52 - 124
2-Chlorophenol	ND		32.0	29.2		ug/L		91	48 - 120
2-Methylnaphthalene	ND		32.0	27.4		ug/L		86	34 - 140
2-Methylphenol	ND		32.0	29.2		ug/L		91	46 - 120
2-Nitroaniline	ND		32.0	30.0		ug/L		94	44 - 136
2-Nitrophenol	ND		32.0	29.5		ug/L		92	38 - 141
3,3'-Dichlorobenzidine	ND		64.0	35.7		ug/L		56	10 - 150
3-Nitroaniline	ND		32.0	21.4		ug/L		67	32 - 150
4,6-Dinitro-2-methylphenol	ND		64.0	58.7		ug/L		92	38 - 150
4-Bromophenyl phenyl ether	ND		32.0	28.1		ug/L		88	63 - 126
4-Chloro-3-methylphenol	ND		32.0	30.7		ug/L		96	64 - 127
4-Chloroaniline	ND		32.0	17.1		ug/L		53	16 - 124
4-Chlorophenyl phenyl ether	ND		32.0	27.6		ug/L		86	61 - 120
4-Methylphenol	ND		32.0	28.5		ug/L		89	36 - 120
4-Nitroaniline	ND		32.0	27.0		ug/L		84	32 - 150
4-Nitrophenol	ND		64.0	55.3		ug/L		86	23 - 132
Acenaphthene	ND		32.0	28.2		ug/L		88	48 - 120
Acenaphthylene	ND		32.0	29.8		ug/L		93	63 - 120
Anthracene	ND		32.0	29.6		ug/L		93	65 - 122
Benzo[a]anthracene	ND		32.0	26.7		ug/L		84	43 - 124
Benzo[a]pyrene	ND		32.0	24.2		ug/L		76	23 - 125
Benzo[b]fluoranthene	ND		32.0	27.6		ug/L		86	27 - 127
Benzo[g,h,i]perylene	ND		32.0	24.9		ug/L		78	16 - 147
Benzo[k]fluoranthene	ND		32.0	27.2		ug/L		85	20 - 124
Bis(2-chloroethoxy)methane	ND		32.0	29.8		ug/L		93	44 - 128
Bis(2-chloroethyl)ether	ND		32.0	31.4		ug/L		98	45 - 120
Bis(2-ethylhexyl) phthalate	ND		32.0	24.1		ug/L		75	16 - 150
Butyl benzyl phthalate	ND		32.0	29.8		ug/L		93	51 - 140
Carbazole	ND		32.0	33.8		ug/L		106	16 - 148
Chrysene	ND		32.0	26.9		ug/L		84	44 - 122
Di-n-butyl phthalate	ND		32.0	30.9		ug/L		97	65 - 129
Di-n-octyl phthalate	ND		32.0	25.2		ug/L		79	16 - 150
Dibenz(a,h)anthracene	ND		32.0	24.5		ug/L		77	16 - 139
Dibenzofuran	ND		32.0	28.7		ug/L		90	60 - 120
Diethyl phthalate	ND		32.0	32.7		ug/L		102	53 - 133
Dimethyl phthalate	ND		32.0	31.4		ug/L		98	59 - 123
Fluoranthene	ND		32.0	30.5		ug/L		95	63 - 129
Fluorene	ND		32.0	30.0		ug/L		94	62 - 120
Hexachlorobenzene	ND		32.0	26.2		ug/L		82	57 - 121
Hexachlorobutadiene	ND		32.0	23.5		ug/L		74	37 - 120
Hexachlorocyclopentadiene	ND		32.0	19.0		ug/L		59	21 - 120
Hexachloroethane	ND		32.0	25.2		ug/L		79	16 - 130
Indeno[1,2,3-cd]pyrene	ND		32.0	25.2		ug/L		79	16 - 140

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-167684-1

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

Lab Sample ID: 480-167684-1 MS

Matrix: Water

Analysis Batch: 522987

Client Sample ID: MW-6

Prep Type: Total/NA

Prep Batch: 522579

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Isophorone	ND		32.0	30.7		ug/L		96	48 - 133
N-Nitrosodi-n-propylamine	ND		32.0	28.9		ug/L		90	49 - 120
N-Nitrosodiphenylamine	ND		32.0	29.8		ug/L		93	39 - 138
Naphthalene	ND		32.0	27.0		ug/L		84	45 - 120
Nitrobenzene	ND		32.0	28.5		ug/L		89	45 - 123
Pentachlorophenol	ND		64.0	69.9		ug/L		109	23 - 149
Phenanthrene	ND		32.0	31.4		ug/L		98	65 - 122
Phenol	ND		32.0	19.3		ug/L		60	16 - 120
Pyrene	ND		32.0	30.9		ug/L		97	58 - 128

Surrogate	MS %Recovery	MS Qualifier	Limits
2,4,6-Tribromophenol	95		41 - 120
2-Fluorobiphenyl	95		48 - 120
2-Fluorophenol	80		35 - 120
Nitrobenzene-d5	95		46 - 120
p-Terphenyl-d14	77		60 - 148
Phenol-d5	60		22 - 120

Lab Sample ID: 480-167684-1 MSD

Matrix: Water

Analysis Batch: 522987

Client Sample ID: MW-6

Prep Type: Total/NA

Prep Batch: 522579

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
bis (2-chloroisopropyl) ether	ND		32.0	24.4		ug/L		76	28 - 121	15	24
1,2,4-Trichlorobenzene	ND		32.0	24.5		ug/L		77	49 - 120	3	30
2,4,5-Trichlorophenol	ND		32.0	29.8		ug/L		93	65 - 126	8	18
1,2-Dichlorobenzene	ND		32.0	23.2		ug/L		72	48 - 120	15	29
2,4,6-Trichlorophenol	ND		32.0	30.4		ug/L		95	64 - 120	7	19
2,4-Dichlorophenol	ND		32.0	29.0		ug/L		90	48 - 132	9	19
2,4-Dimethylphenol	ND		32.0	28.0		ug/L		88	39 - 130	7	42
1,3-Dichlorobenzene	ND		32.0	22.6		ug/L		71	51 - 120	15	37
2,4-Dinitrophenol	ND		64.0	61.9		ug/L		97	21 - 150	3	22
2,4-Dinitrotoluene	ND		32.0	29.5		ug/L		92	54 - 138	5	20
1,4-Dichlorobenzene	ND		32.0	22.8		ug/L		71	32 - 150	15	36
2,6-Dinitrotoluene	ND		32.0	28.9		ug/L		90	17 - 150	2	15
2-Chloronaphthalene	ND		32.0	25.3		ug/L		79	52 - 124	4	21
2-Chlorophenol	ND		32.0	24.6		ug/L		77	48 - 120	17	25
2-Methylnaphthalene	ND		32.0	25.7		ug/L		80	34 - 140	7	21
2-Methylphenol	ND		32.0	25.8		ug/L		81	46 - 120	13	27
2-Nitroaniline	ND		32.0	28.1		ug/L		88	44 - 136	7	15
2-Nitrophenol	ND		32.0	27.2		ug/L		85	38 - 141	8	18
3,3'-Dichlorobenzidine	ND		64.0	28.0		ug/L		44	10 - 150	24	25
3-Nitroaniline	ND		32.0	20.0		ug/L		62	32 - 150	7	19
4,6-Dinitro-2-methylphenol	ND		64.0	56.2		ug/L		88	38 - 150	4	15
4-Bromophenyl phenyl ether	ND		32.0	26.7		ug/L		83	63 - 126	5	15
4-Chloro-3-methylphenol	ND		32.0	28.9		ug/L		90	64 - 127	6	27
4-Chloroaniline	ND		32.0	17.2		ug/L		54	16 - 124	1	22
4-Chlorophenyl phenyl ether	ND		32.0	26.9		ug/L		84	61 - 120	3	16

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-167684-1

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

Lab Sample ID: 480-167684-1 MSD

Matrix: Water

Analysis Batch: 522987

Client Sample ID: MW-6

Prep Type: Total/NA

Prep Batch: 522579

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4-Methylphenol	ND		32.0	24.5		ug/L		77	36 - 120	15	24
4-Nitroaniline	ND		32.0	22.5		ug/L		70	32 - 150	18	24
4-Nitrophenol	ND		64.0	52.4		ug/L		82	23 - 132	5	48
Acenaphthene	ND		32.0	27.5		ug/L		86	48 - 120	3	24
Acenaphthylene	ND		32.0	28.6		ug/L		89	63 - 120	4	18
Anthracene	ND		32.0	28.1		ug/L		88	65 - 122	5	15
Benzo[a]anthracene	ND		32.0	24.8		ug/L		78	43 - 124	7	15
Benzo[a]pyrene	ND		32.0	22.0		ug/L		69	23 - 125	9	15
Benzo[b]fluoranthene	ND		32.0	25.4		ug/L		79	27 - 127	8	15
Benzo[g,h,i]perylene	ND		32.0	22.7		ug/L		71	16 - 147	9	15
Benzo[k]fluoranthene	ND		32.0	24.1		ug/L		75	20 - 124	12	22
Bis(2-chloroethoxy)methane	ND		32.0	27.8		ug/L		87	44 - 128	7	17
Bis(2-chloroethyl)ether	ND		32.0	26.0		ug/L		81	45 - 120	19	21
Bis(2-ethylhexyl) phthalate	ND		32.0	22.8		ug/L		71	16 - 150	5	15
Butyl benzyl phthalate	ND		32.0	27.4		ug/L		86	51 - 140	8	16
Carbazole	ND		32.0	31.4		ug/L		98	16 - 148	8	20
Chrysene	ND		32.0	24.8		ug/L		77	44 - 122	8	15
Di-n-butyl phthalate	ND		32.0	29.0		ug/L		91	65 - 129	7	15
Di-n-octyl phthalate	ND		32.0	23.0		ug/L		72	16 - 150	9	16
Dibenz(a,h)anthracene	ND		32.0	22.6		ug/L		71	16 - 139	8	15
Dibenzofuran	ND		32.0	27.4		ug/L		86	60 - 120	5	15
Diethyl phthalate	ND		32.0	30.7		ug/L		96	53 - 133	6	15
Dimethyl phthalate	ND		32.0	29.9		ug/L		94	59 - 123	5	15
Fluoranthene	ND		32.0	28.8		ug/L		90	63 - 129	6	15
Fluorene	ND		32.0	28.5		ug/L		89	62 - 120	5	15
Hexachlorobenzene	ND		32.0	25.0		ug/L		78	57 - 121	5	15
Hexachlorobutadiene	ND		32.0	22.3		ug/L		70	37 - 120	5	44
Hexachlorocyclopentadiene	ND		32.0	17.7		ug/L		55	21 - 120	7	49
Hexachloroethane	ND		32.0	22.0		ug/L		69	16 - 130	14	46
Indeno[1,2,3-cd]pyrene	ND		32.0	22.6		ug/L		70	16 - 140	11	15
Isophorone	ND		32.0	28.8		ug/L		90	48 - 133	6	17
N-Nitrosodi-n-propylamine	ND		32.0	24.6		ug/L		77	49 - 120	16	31
N-Nitrosodiphenylamine	ND		32.0	27.5		ug/L		86	39 - 138	8	15
Naphthalene	ND		32.0	25.2		ug/L		79	45 - 120	7	29
Nitrobenzene	ND		32.0	27.5		ug/L		86	45 - 123	4	24
Pentachlorophenol	ND		64.0	65.3		ug/L		102	23 - 149	7	37
Phenanthrene	ND		32.0	29.3		ug/L		92	65 - 122	7	15
Phenol	ND		32.0	16.5		ug/L		52	16 - 120	16	34
Pyrene	ND		32.0	28.2		ug/L		88	58 - 128	9	19

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2,4,6-Tribromophenol	87		41 - 120
2-Fluorobiphenyl	88		48 - 120
2-Fluorophenol	66		35 - 120
Nitrobenzene-d5	85		46 - 120
p-Terphenyl-d14	70		60 - 148
Phenol-d5	49		22 - 120

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-167684-1

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

Lab Sample ID: MB 480-522939/1-A

Matrix: Water

Analysis Batch: 523175

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 522939

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		03/25/20 08:43	03/26/20 14:21	1
PCB-1221	ND		0.50	0.18	ug/L		03/25/20 08:43	03/26/20 14:21	1
PCB-1232	ND		0.50	0.18	ug/L		03/25/20 08:43	03/26/20 14:21	1
PCB-1242	ND		0.50	0.18	ug/L		03/25/20 08:43	03/26/20 14:21	1
PCB-1248	ND		0.50	0.18	ug/L		03/25/20 08:43	03/26/20 14:21	1
PCB-1254	ND		0.50	0.25	ug/L		03/25/20 08:43	03/26/20 14:21	1
PCB-1260	ND		0.50	0.25	ug/L		03/25/20 08:43	03/26/20 14:21	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	60		19 - 120	03/25/20 08:43	03/26/20 14:21	1
Tetrachloro-m-xylene	93		39 - 121	03/25/20 08:43	03/26/20 14:21	1

Lab Sample ID: LCS 480-522939/2-A

Matrix: Water

Analysis Batch: 523175

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 522939

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	4.00	4.64		ug/L		116	62 - 130
PCB-1260	4.00	3.78		ug/L		95	56 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	40		19 - 120
Tetrachloro-m-xylene	91		39 - 121

Lab Sample ID: 480-167684-1 MS

Matrix: Water

Analysis Batch: 523175

Client Sample ID: MW-6

Prep Type: Total/NA

Prep Batch: 522939

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	ND		4.00	4.90		ug/L		122	28 - 150
PCB-1260	ND		4.00	3.75		ug/L		94	25 - 131

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl	48		19 - 120
Tetrachloro-m-xylene	98		39 - 121

Lab Sample ID: 480-167684-1 MSD

Matrix: Water

Analysis Batch: 523175

Client Sample ID: MW-6

Prep Type: Total/NA

Prep Batch: 522939

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
PCB-1016	ND		4.00	4.90		ug/L		123	28 - 150	0	50
PCB-1260	ND		4.00	3.68		ug/L		92	25 - 131	2	50

Surrogate	MSD %Recovery	MSD Qualifier	Limits
DCB Decachlorobiphenyl	38		19 - 120
Tetrachloro-m-xylene	96		39 - 121

Eurofins TestAmerica, Buffalo

QC Association Summary

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

Job ID: 480-167684-1

GC/MS VOA

Analysis Batch: 522523

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-167684-1	MW-6	Total/NA	Water	8260C	
480-167684-2	MW-7	Total/NA	Water	8260C	
480-167684-3	MW-2	Total/NA	Water	8260C	
480-167684-4	MW-1	Total/NA	Water	8260C	
480-167684-5	MW-3	Total/NA	Water	8260C	
480-167684-6	MW-4	Total/NA	Water	8260C	
480-167684-7	MW-5	Total/NA	Water	8260C	
MB 480-522523/8	Method Blank	Total/NA	Water	8260C	
LCS 480-522523/5	Lab Control Sample	Total/NA	Water	8260C	
480-167684-1 MS	MW-6	Total/NA	Water	8260C	
480-167684-1 MSD	MW-6	Total/NA	Water	8260C	

GC/MS Semi VOA

Prep Batch: 522579

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-167684-1	MW-6	Total/NA	Water	3510C	
480-167684-2	MW-7	Total/NA	Water	3510C	
480-167684-3	MW-2	Total/NA	Water	3510C	
480-167684-4	MW-1	Total/NA	Water	3510C	
480-167684-5	MW-3	Total/NA	Water	3510C	
480-167684-6	MW-4	Total/NA	Water	3510C	
480-167684-7	MW-5	Total/NA	Water	3510C	
MB 480-522579/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-522579/2-A	Lab Control Sample	Total/NA	Water	3510C	
480-167684-1 MS	MW-6	Total/NA	Water	3510C	
480-167684-1 MSD	MW-6	Total/NA	Water	3510C	

Analysis Batch: 522987

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-167684-1	MW-6	Total/NA	Water	8270D	522579
480-167684-2	MW-7	Total/NA	Water	8270D	522579
480-167684-3	MW-2	Total/NA	Water	8270D	522579
480-167684-4	MW-1	Total/NA	Water	8270D	522579
480-167684-5	MW-3	Total/NA	Water	8270D	522579
480-167684-6	MW-4	Total/NA	Water	8270D	522579
480-167684-7	MW-5	Total/NA	Water	8270D	522579
MB 480-522579/1-A	Method Blank	Total/NA	Water	8270D	522579
LCS 480-522579/2-A	Lab Control Sample	Total/NA	Water	8270D	522579
480-167684-1 MS	MW-6	Total/NA	Water	8270D	522579
480-167684-1 MSD	MW-6	Total/NA	Water	8270D	522579

GC Semi VOA

Prep Batch: 522939

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-167684-1	MW-6	Total/NA	Water	3510C	
480-167684-2	MW-7	Total/NA	Water	3510C	
480-167684-3	MW-2	Total/NA	Water	3510C	
480-167684-4	MW-1	Total/NA	Water	3510C	
480-167684-5	MW-3	Total/NA	Water	3510C	
480-167684-6	MW-4	Total/NA	Water	3510C	

Eurofins TestAmerica, Buffalo

QC Association Summary

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

Job ID: 480-167684-1

GC Semi VOA (Continued)

Prep Batch: 522939 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-167684-7	MW-5	Total/NA	Water	3510C	
MB 480-522939/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-522939/2-A	Lab Control Sample	Total/NA	Water	3510C	
480-167684-1 MS	MW-6	Total/NA	Water	3510C	
480-167684-1 MSD	MW-6	Total/NA	Water	3510C	

Analysis Batch: 523175

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-167684-1	MW-6	Total/NA	Water	8082A	522939
480-167684-2	MW-7	Total/NA	Water	8082A	522939
480-167684-3	MW-2	Total/NA	Water	8082A	522939
480-167684-4	MW-1	Total/NA	Water	8082A	522939
480-167684-5	MW-3	Total/NA	Water	8082A	522939
480-167684-6	MW-4	Total/NA	Water	8082A	522939
480-167684-7	MW-5	Total/NA	Water	8082A	522939
MB 480-522939/1-A	Method Blank	Total/NA	Water	8082A	522939
LCS 480-522939/2-A	Lab Control Sample	Total/NA	Water	8082A	522939
480-167684-1 MS	MW-6	Total/NA	Water	8082A	522939
480-167684-1 MSD	MW-6	Total/NA	Water	8082A	522939

Lab Chronicle

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

Job ID: 480-167684-1

Client Sample ID: MW-6

Lab Sample ID: 480-167684-1

Date Collected: 03/17/20 10:00

Matrix: Water

Date Received: 03/19/20 15:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	522523	03/22/20 11:49	AMM	TAL BUF
Total/NA	Prep	3510C			522579	03/23/20 09:10	JMP	TAL BUF
Total/NA	Analysis	8270D		1	522987	03/25/20 18:53	PJQ	TAL BUF
Total/NA	Prep	3510C			522939	03/25/20 08:43	JMP	TAL BUF
Total/NA	Analysis	8082A		1	523175	03/26/20 15:11	W1T	TAL BUF

Client Sample ID: MW-7

Lab Sample ID: 480-167684-2

Date Collected: 03/17/20 11:00

Matrix: Water

Date Received: 03/19/20 15:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	522523	03/22/20 12:12	AMM	TAL BUF
Total/NA	Prep	3510C			522579	03/23/20 09:10	JMP	TAL BUF
Total/NA	Analysis	8270D		1	522987	03/26/20 00:08	PJQ	TAL BUF
Total/NA	Prep	3510C			522939	03/25/20 08:43	JMP	TAL BUF
Total/NA	Analysis	8082A		1	523175	03/26/20 15:24	W1T	TAL BUF

Client Sample ID: MW-2

Lab Sample ID: 480-167684-3

Date Collected: 03/17/20 12:30

Matrix: Water

Date Received: 03/19/20 15:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	522523	03/22/20 12:35	AMM	TAL BUF
Total/NA	Prep	3510C			522579	03/23/20 09:10	JMP	TAL BUF
Total/NA	Analysis	8270D		1	522987	03/26/20 00:37	PJQ	TAL BUF
Total/NA	Prep	3510C			522939	03/25/20 08:43	JMP	TAL BUF
Total/NA	Analysis	8082A		1	523175	03/26/20 15:37	W1T	TAL BUF

Client Sample ID: MW-1

Lab Sample ID: 480-167684-4

Date Collected: 03/17/20 13:30

Matrix: Water

Date Received: 03/19/20 15:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	522523	03/22/20 12:58	AMM	TAL BUF
Total/NA	Prep	3510C			522579	03/23/20 09:10	JMP	TAL BUF
Total/NA	Analysis	8270D		1	522987	03/26/20 01:05	PJQ	TAL BUF
Total/NA	Prep	3510C			522939	03/25/20 08:43	JMP	TAL BUF
Total/NA	Analysis	8082A		1	523175	03/26/20 15:50	W1T	TAL BUF

Client Sample ID: MW-3

Lab Sample ID: 480-167684-5

Date Collected: 03/18/20 09:00

Matrix: Water

Date Received: 03/19/20 15:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	522523	03/22/20 13:21	AMM	TAL BUF

Eurofins TestAmerica, Buffalo

Lab Chronicle

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

Job ID: 480-167684-1

Client Sample ID: MW-3

Date Collected: 03/18/20 09:00

Date Received: 03/19/20 15:05

Lab Sample ID: 480-167684-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			522579	03/23/20 09:10	JMP	TAL BUF
Total/NA	Analysis	8270D		1	522987	03/26/20 01:33	PJQ	TAL BUF
Total/NA	Prep	3510C			522939	03/25/20 08:43	JMP	TAL BUF
Total/NA	Analysis	8082A		1	523175	03/26/20 16:03	W1T	TAL BUF

Client Sample ID: MW-4

Date Collected: 03/18/20 09:45

Date Received: 03/19/20 15:05

Lab Sample ID: 480-167684-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	522523	03/22/20 13:44	AMM	TAL BUF
Total/NA	Prep	3510C			522579	03/23/20 09:10	JMP	TAL BUF
Total/NA	Analysis	8270D		1	522987	03/26/20 02:02	PJQ	TAL BUF
Total/NA	Prep	3510C			522939	03/25/20 08:43	JMP	TAL BUF
Total/NA	Analysis	8082A		1	523175	03/26/20 16:16	W1T	TAL BUF

Client Sample ID: MW-5

Date Collected: 03/18/20 10:40

Date Received: 03/19/20 15:05

Lab Sample ID: 480-167684-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	522523	03/22/20 14:07	AMM	TAL BUF
Total/NA	Prep	3510C			522579	03/23/20 09:10	JMP	TAL BUF
Total/NA	Analysis	8270D		1	522987	03/26/20 02:30	PJQ	TAL BUF
Total/NA	Prep	3510C			522939	03/25/20 08:43	JMP	TAL BUF
Total/NA	Analysis	8082A		1	523175	03/26/20 16:28	W1T	TAL BUF

Laboratory References:

TAL BUF = Eurofins 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

Job ID: 480-167684-1

Laboratory: Eurofins TestAmerica, Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-01-20

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

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

Job ID: 480-167684-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL BUF
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL BUF
5030C	Purge and Trap	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 = Eurofins 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

Job ID: 480-167684-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-167684-1	MW-6	Water	03/17/20 10:00	03/19/20 15:05	
480-167684-2	MW-7	Water	03/17/20 11:00	03/19/20 15:05	
480-167684-3	MW-2	Water	03/17/20 12:30	03/19/20 15:05	
480-167684-4	MW-1	Water	03/17/20 13:30	03/19/20 15:05	
480-167684-5	MW-3	Water	03/18/20 09:00	03/19/20 15:05	
480-167684-6	MW-4	Water	03/18/20 09:45	03/19/20 15:05	
480-167684-7	MW-5	Water	03/18/20 10:40	03/19/20 15:05	



Turnaround Time (Business Days)	Approved By (Lab PM) / Date	Laboratory Information	Data Deliverable Information
☒ Standard 14 Days	____/____/____	Lab: TestAmerica Buffalo	☐ Commercial 'A' (Level 1) = Results Only
☐ 1 day RUSH	____/____/____	Address: 10 Hazelwood Dr, Amherst, NY 14228	☐ Commercial 'B' (Level 2) = Results + QC Summary
☐ Other _____	____/____/____	Phone: 716-691-2600	☐ FULLT1 (Level 3 & 4)
		Lab PM: Orlette Johnson	
		Lab PM Email: orlette.johnson@testamericainc.com	

Please Email the EO EDD Package to ges@equisonline.com

Sample Custody must be documented below each time samples change possession, including courier.			
Relinquished By Sampler:	Date / Time:	Received By:	
1. <i>[Signature]</i>	1. 3/19 1505	1. <i>[Signature]</i>	3/19/26 1505
2. Relinquished By:	2. Date / Time:	2. Received By:	
3. Relinquished By:	3. Date / Time:	3. Received By:	
Custody Seal Number:	☐ Intact ☐ Not Intact	☐ Preserved where applicable ☐ On Ice ☐ Cooler Temp	3/19/26 1505

Data Deliverable Information

Commercial 'A' (Level 1) = Results Only

Commercial 'B' (Level 2) = Results + QC Summary

FULLT1 (Level 3 & 4)

NJ Reduced = Results + QC Summary + Partial Raw Data

Commercially

NJ Data of Known Quality Protocol Reporting

NYASP Category A

NYASP Category B

State Forms

☒ EDD Format

▼ EDD format



80-167684 Chain of Custody

Login Sample Receipt Checklist

Client: Groundwater & Environmental Services Inc

Job Number: 480-167684-1

Login Number: 167684

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Sabuda, Brendan D

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	3.9 4.7 3.2 5.6 #1 ICE
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.	N/A	

ANALYTICAL REPORT

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

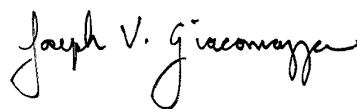
Laboratory Job ID: 480-167686-1

Client Project/Site: Cherry Farms Annual GW Sample

For:

Groundwater & Environmental Services Inc
415 Lawrence Bell Drive
Suite 6
Williamsville, New York 14221

Attn: Thomas Palmer



Authorized for release by:

3/30/2020 2:52:55 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

Job ID: 480-167686-1

Qualifiers

GC/MS 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.

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.

GC Semi VOA

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

Metals

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

General Chemistry

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
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

Job ID: 480-167686-1

Job ID: 480-167686-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative 480-167686-1

Comments

No additional comments.

Receipt

The samples were received on 3/19/2020 3:05 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 4 coolers at receipt time were 3.2° C, 3.9° C, 4.7° C and 5.6° C.

GC/MS VOA

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-522544 recovered outside acceptance criteria, low biased, for Vinyl Chloride and Chloromethane. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported. The associated samples are impacted: S-4 (480-167686-1), S-1 (480-167686-2), S-3 (480-167686-4), DUP (480-167686-5), RW-4 (480-167686-6) and RW-5 (480-167686-7).

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-522544 recovered above the upper control limit for Chlorodibromomethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: S-4 (480-167686-1), S-1 (480-167686-2), S-3 (480-167686-4), DUP (480-167686-5), RW-4 (480-167686-6) and RW-5 (480-167686-7).

Method 8260C: The laboratory control sample (LCS) for analytical batch 480-522544 recovered outside control limits for the following analytes: Chlorodibromomethane and Bromoform. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported. The associated samples are impacted: S-4 (480-167686-1), S-1 (480-167686-2), S-3 (480-167686-4), DUP (480-167686-5), RW-4 (480-167686-6) and RW-5 (480-167686-7).

Method 8260C: The following volatiles samples were diluted due to foaming at the time of purging during the original sample analysis: S-4 (480-167686-1), S-3 (480-167686-4), DUP (480-167686-5) and RW-4 (480-167686-6). Elevated reporting limits (RLs) are provided.

Method 8260C: The following volatiles sample was diluted due to foaming at the time of purging during the original sample analysis: S-2 (480-167686-3). 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 8270D: The following samples were diluted due to color and appearance: S-4 (480-167686-1) and S-3 (480-167686-4). Elevated reporting limits (RL) 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 8081B: The laboratory control sample (LCS) for preparation batch 480-522762 and analytical batch 480-522756 recovered outside control limits for the following analytes: 4,4'-DDD, 4,4'-DDT, Endosulfan sulfate, Endrin aldehyde and Endrin ketone. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8081B: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 480-522762 and analytical batch 480-522756 recovered outside control limits for the following analytes: 4,4'-DDD, 4,4'-DDT, Endrin aldehyde and Endosulfan sulfate.

Method 8082A: The continuing calibration verification (CCV) associated with batch 480-523175 recovered above the upper control limit for PCB-1221. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: S-4 (480-167686-1), S-1 (480-167686-2), S-2 (480-167686-3), S-3 (480-167686-4) and DUP (480-167686-5).

Method 8082A: The continuing calibration verification (CCV) associated with batch 480-523175 recovered above the upper control limit for

Case Narrative

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

Job ID: 480-167686-1

Job ID: 480-167686-1 (Continued)

Laboratory: Eurofins TestAmerica, Buffalo (Continued)

PCB-1016. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: RW-4 (480-167686-6) and RW-5 (480-167686-7).

Method 8082A: Surrogate recovery for the following sample was outside control limits: S-4 (480-167686-1). 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

Method 6010C:

No additional analytical or quality issues were noted, other than those described above or 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 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 480-522762.

Method 3510C: The pH of the sample was basic and was adjusted to be neutral.
S-2 (480-167686-3)

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

Job ID: 480-167686-1

Client Sample ID: S-4

Lab Sample ID: 480-167686-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
1,1-Dichloroethane	1.1	J	2.0	0.76	ug/L	2			8260C	Total/NA
1,2-Dichloroethene, Total	2.1	J	4.0	1.6	ug/L	2			8260C	Total/NA
Benzene	0.95	J	2.0	0.82	ug/L	2			8260C	Total/NA
Toluene	1.0	J	2.0	1.0	ug/L	2			8260C	Total/NA
Xylenes, Total	7.1		4.0	1.3	ug/L	2			8260C	Total/NA
2,4,5-Trichlorophenol	2.5	J	25	2.4	ug/L	5			8270D	Total/NA
2,4-Dimethylphenol	19	J	25	2.5	ug/L	5			8270D	Total/NA
2-Methylnaphthalene	4.1	J	25	3.0	ug/L	5			8270D	Total/NA
2-Methylphenol	5.3	J	25	2.0	ug/L	5			8270D	Total/NA
4-Methylphenol	5.5	J	50	1.8	ug/L	5			8270D	Total/NA
Naphthalene	19	J	25	3.8	ug/L	5			8270D	Total/NA
alpha-BHC	0.016	J	0.050	0.0077	ug/L	1			8081B	Total/NA
beta-BHC	0.048	J	0.050	0.025	ug/L	1			8081B	Total/NA
Endosulfan I	0.051		0.050	0.011	ug/L	1			8081B	Total/NA
Endrin ketone	0.018	J B *	0.050	0.012	ug/L	1			8081B	Total/NA
Heptachlor	0.019	J	0.050	0.0085	ug/L	1			8081B	Total/NA
PCB-1232	5.1		0.50	0.18	ug/L	1			8082A	Total/NA
Aluminum	0.65		0.20	0.060	mg/L	1			6010C	Total/NA
Arsenic	0.0074	J	0.010	0.0056	mg/L	1			6010C	Total/NA
Barium	0.027		0.0020	0.00070	mg/L	1			6010C	Total/NA
Calcium	111		0.50	0.10	mg/L	1			6010C	Total/NA
Chromium	0.0060		0.0040	0.0010	mg/L	1			6010C	Total/NA
Copper	0.0045	J	0.010	0.0016	mg/L	1			6010C	Total/NA
Iron	0.71		0.050	0.019	mg/L	1			6010C	Total/NA
Magnesium	2.3		0.20	0.043	mg/L	1			6010C	Total/NA
Manganese	0.059		0.0030	0.00040	mg/L	1			6010C	Total/NA
Nickel	0.0021	J	0.010	0.0013	mg/L	1			6010C	Total/NA
Potassium	81.9		0.50	0.10	mg/L	1			6010C	Total/NA
Sodium	201		1.0	0.32	mg/L	1			6010C	Total/NA
Vanadium	0.0038	J	0.0050	0.0015	mg/L	1			6010C	Total/NA
Zinc	0.0090	J B	0.010	0.0015	mg/L	1			6010C	Total/NA
Cyanide, Total	0.045		0.010	0.0050	mg/L	1			9012B	Total/NA

Client Sample ID: S-1

Lab Sample ID: 480-167686-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
4,4'-DDE	0.033	J	0.050	0.012	ug/L	1			8081B	Total/NA
4,4'-DDT	0.019	J **1	0.050	0.011	ug/L	1			8081B	Total/NA
Aluminum	0.58		0.20	0.060	mg/L	1			6010C	Total/NA
Arsenic	0.0058	J	0.010	0.0056	mg/L	1			6010C	Total/NA
Barium	0.017		0.0020	0.00070	mg/L	1			6010C	Total/NA
Calcium	47.3		0.50	0.10	mg/L	1			6010C	Total/NA
Chromium	0.0012	J	0.0040	0.0010	mg/L	1			6010C	Total/NA
Copper	0.0031	J	0.010	0.0016	mg/L	1			6010C	Total/NA
Iron	0.51		0.050	0.019	mg/L	1			6010C	Total/NA
Magnesium	15.5		0.20	0.043	mg/L	1			6010C	Total/NA
Manganese	0.016		0.0030	0.00040	mg/L	1			6010C	Total/NA
Potassium	2.2		0.50	0.10	mg/L	1			6010C	Total/NA
Sodium	2.5		1.0	0.32	mg/L	1			6010C	Total/NA
Zinc	0.0079	J B	0.010	0.0015	mg/L	1			6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

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

Job ID: 480-167686-1

Client Sample ID: S-2

Lab Sample ID: 480-167686-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
1,2-Dichloroethene, Total	19		4.0	1.6	ug/L	2			8260C	Total/NA
Trichloroethene	1.2	J	2.0	0.92	ug/L	2			8260C	Total/NA
Vinyl chloride	4.6		2.0	1.8	ug/L	2			8260C	Total/NA
2,4,5-Trichlorophenol	0.57	J	5.0	0.48	ug/L	1			8270D	Total/NA
4,4'-DDT	0.020	J * *1	0.050	0.011	ug/L	1			8081B	Total/NA
Dieldrin	0.012	J	0.050	0.0098	ug/L	1			8081B	Total/NA
gamma-BHC (Lindane)	0.017	J B	0.050	0.0080	ug/L	1			8081B	Total/NA
trans-Chlordane	0.027	J	0.050	0.011	ug/L	1			8081B	Total/NA
PCB-1242	0.59		0.50	0.18	ug/L	1			8082A	Total/NA
Aluminum	0.16	J	0.20	0.060	mg/L	1			6010C	Total/NA
Barium	0.049		0.0020	0.00070	mg/L	1			6010C	Total/NA
Calcium	60.0		0.50	0.10	mg/L	1			6010C	Total/NA
Magnesium	0.18	J	0.20	0.043	mg/L	1			6010C	Total/NA
Potassium	24.7		0.50	0.10	mg/L	1			6010C	Total/NA
Sodium	32.8		1.0	0.32	mg/L	1			6010C	Total/NA
Vanadium	0.0088		0.0050	0.0015	mg/L	1			6010C	Total/NA
Zinc	0.0054	J B	0.010	0.0015	mg/L	1			6010C	Total/NA
Cyanide, Total	0.0073	J	0.010	0.0050	mg/L	1			9012B	Total/NA

Client Sample ID: S-3

Lab Sample ID: 480-167686-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
1,1-Dichloroethane	1.3	J	2.0	0.76	ug/L	2			8260C	Total/NA
2,4,5-Trichlorophenol	2.5	J	25	2.4	ug/L	5			8270D	Total/NA
2,4-Dimethylphenol	25		25	2.5	ug/L	5			8270D	Total/NA
2-Methylphenol	8.0	J	25	2.0	ug/L	5			8270D	Total/NA
4-Methylphenol	13	J	50	1.8	ug/L	5			8270D	Total/NA
4,4'-DDT	0.021	J * *1	0.050	0.011	ug/L	1			8081B	Total/NA
Dieldrin	0.011	J	0.050	0.0098	ug/L	1			8081B	Total/NA
Endosulfan I	0.022	J	0.050	0.011	ug/L	1			8081B	Total/NA
gamma-BHC (Lindane)	0.018	J B	0.050	0.0080	ug/L	1			8081B	Total/NA
trans-Chlordane	0.011	J	0.050	0.011	ug/L	1			8081B	Total/NA
PCB-1242	0.86		0.54	0.19	ug/L	1			8082A	Total/NA
Aluminum	0.15	J	0.20	0.060	mg/L	1			6010C	Total/NA
Arsenic	0.0060	J	0.010	0.0056	mg/L	1			6010C	Total/NA
Barium	0.039		0.0020	0.00070	mg/L	1			6010C	Total/NA
Calcium	61.2		0.50	0.10	mg/L	1			6010C	Total/NA
Iron	0.029	J	0.050	0.019	mg/L	1			6010C	Total/NA
Magnesium	0.61		0.20	0.043	mg/L	1			6010C	Total/NA
Manganese	0.00071	J	0.0030	0.00040	mg/L	1			6010C	Total/NA
Potassium	41.6		0.50	0.10	mg/L	1			6010C	Total/NA
Sodium	149		1.0	0.32	mg/L	1			6010C	Total/NA
Vanadium	0.0035	J	0.0050	0.0015	mg/L	1			6010C	Total/NA
Cyanide, Total	0.055		0.010	0.0050	mg/L	1			9012B	Total/NA

Client Sample ID: DUP

Lab Sample ID: 480-167686-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
1,1-Dichloroethane	1.5	J	2.0	0.76	ug/L	2			8260C	Total/NA
2,4,5-Trichlorophenol	0.97	J	5.0	0.48	ug/L	1			8270D	Total/NA
2,4-Dimethylphenol	27		5.0	0.50	ug/L	1			8270D	Total/NA
2-Methylphenol	9.1		5.0	0.40	ug/L	1			8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

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

Job ID: 480-167686-1

Client Sample ID: DUP (Continued)

Lab Sample ID: 480-167686-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4-Methylphenol	15		10	0.36	ug/L	1		8270D	Total/NA
Acenaphthene	0.42	J	5.0	0.41	ug/L	1		8270D	Total/NA
Fluorene	0.37	J	5.0	0.36	ug/L	1		8270D	Total/NA
Naphthalene	2.6	J	5.0	0.76	ug/L	1		8270D	Total/NA
Phenanthrene	0.59	J	5.0	0.44	ug/L	1		8270D	Total/NA
4,4'-DDT	0.016	J **1	0.052	0.011	ug/L	1		8081B	Total/NA
alpha-BHC	0.015	J	0.052	0.0080	ug/L	1		8081B	Total/NA
Endosulfan I	0.020	J	0.052	0.011	ug/L	1		8081B	Total/NA
gamma-BHC (Lindane)	0.018	J B	0.052	0.0083	ug/L	1		8081B	Total/NA
PCB-1242	0.93		0.50	0.18	ug/L	1		8082A	Total/NA
Aluminum	0.19	J	0.20	0.060	mg/L	1		6010C	Total/NA
Barium	0.038		0.0020	0.00070	mg/L	1		6010C	Total/NA
Calcium	60.5		0.50	0.10	mg/L	1		6010C	Total/NA
Copper	0.0022	J	0.010	0.0016	mg/L	1		6010C	Total/NA
Iron	0.032	J	0.050	0.019	mg/L	1		6010C	Total/NA
Magnesium	0.60		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	0.00070	J	0.0030	0.00040	mg/L	1		6010C	Total/NA
Potassium	41.0		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	147		1.0	0.32	mg/L	1		6010C	Total/NA
Vanadium	0.0033	J	0.0050	0.0015	mg/L	1		6010C	Total/NA
Zinc	0.0016	J B	0.010	0.0015	mg/L	1		6010C	Total/NA
Cyanide, Total	0.052		0.010	0.0050	mg/L	1		9012B	Total/NA

Client Sample ID: RW-4

Lab Sample ID: 480-167686-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	11		2.0	0.82	ug/L	2		8260C	Total/NA
Ethylbenzene	4.5		2.0	1.5	ug/L	2		8260C	Total/NA
Xylenes, Total	5.7		4.0	1.3	ug/L	2		8260C	Total/NA
Diethyl phthalate	0.31	J	5.0	0.22	ug/L	1		8270D	Total/NA
Naphthalene	18		5.0	0.76	ug/L	1		8270D	Total/NA

Client Sample ID: RW-5

Lab Sample ID: 480-167686-7

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-167686-1

Client Sample ID: S-4

Lab Sample ID: 480-167686-1

Date Collected: 03/18/20 11:30

Matrix: Water

Date Received: 03/19/20 15:05

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			03/23/20 14:27	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			03/23/20 14:27	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			03/23/20 14:27	2
1,1-Dichloroethane	1.1	J	2.0	0.76	ug/L			03/23/20 14:27	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			03/23/20 14:27	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			03/23/20 14:27	2
1,2-Dichloroethene, Total	2.1	J	4.0	1.6	ug/L			03/23/20 14:27	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			03/23/20 14:27	2
2-Butanone (MEK)	ND		20	2.6	ug/L			03/23/20 14:27	2
2-Hexanone	ND		10	2.5	ug/L			03/23/20 14:27	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			03/23/20 14:27	2
Acetone	ND		20	6.0	ug/L			03/23/20 14:27	2
Benzene	0.95	J	2.0	0.82	ug/L			03/23/20 14:27	2
Bromoform	ND	*	2.0	0.52	ug/L			03/23/20 14:27	2
Bromomethane	ND		2.0	1.4	ug/L			03/23/20 14:27	2
Carbon disulfide	ND		2.0	0.38	ug/L			03/23/20 14:27	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			03/23/20 14:27	2
Chlorobenzene	ND		2.0	1.5	ug/L			03/23/20 14:27	2
Dibromochloromethane	ND	*	2.0	0.64	ug/L			03/23/20 14:27	2
Chloroethane	ND		2.0	0.64	ug/L			03/23/20 14:27	2
Chloroform	ND		2.0	0.68	ug/L			03/23/20 14:27	2
Chloromethane	ND		2.0	0.70	ug/L			03/23/20 14:27	2
Bromodichloromethane	ND		2.0	0.78	ug/L			03/23/20 14:27	2
Ethylbenzene	ND		2.0	1.5	ug/L			03/23/20 14:27	2
Methylene Chloride	ND		2.0	0.88	ug/L			03/23/20 14:27	2
Tetrachloroethene	ND		2.0	0.72	ug/L			03/23/20 14:27	2
Toluene	1.0	J	2.0	1.0	ug/L			03/23/20 14:27	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			03/23/20 14:27	2
Trichloroethene	ND		2.0	0.92	ug/L			03/23/20 14:27	2
Vinyl chloride	ND		2.0	1.8	ug/L			03/23/20 14:27	2
Xylenes, Total	7.1		4.0	1.3	ug/L			03/23/20 14:27	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			03/23/20 14:27	2
Styrene	ND		2.0	1.5	ug/L			03/23/20 14:27	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		77 - 120		03/23/20 14:27	2
4-Bromofluorobenzene (Surr)	108		73 - 120		03/23/20 14:27	2
Toluene-d8 (Surr)	97		80 - 120		03/23/20 14:27	2
Dibromofluoromethane (Surr)	108		75 - 123		03/23/20 14:27	2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
bis (2-chloroisopropyl) ether	ND		25	2.6	ug/L		03/24/20 15:36	03/25/20 16:54	5
1,2,4-Trichlorobenzene	ND		50	2.2	ug/L		03/24/20 15:36	03/25/20 16:54	5
2,4,5-Trichlorophenol	2.5	J	25	2.4	ug/L		03/24/20 15:36	03/25/20 16:54	5
1,2-Dichlorobenzene	ND		50	2.0	ug/L		03/24/20 15:36	03/25/20 16:54	5
2,4,6-Trichlorophenol	ND		25	3.1	ug/L		03/24/20 15:36	03/25/20 16:54	5
2,4-Dichlorophenol	ND		25	2.6	ug/L		03/24/20 15:36	03/25/20 16:54	5
2,4-Dimethylphenol	19	J	25	2.5	ug/L		03/24/20 15:36	03/25/20 16:54	5
1,3-Dichlorobenzene	ND		50	2.4	ug/L		03/24/20 15:36	03/25/20 16:54	5

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-167686-1

Client Sample ID: S-4

Lab Sample ID: 480-167686-1

Date Collected: 03/18/20 11:30

Matrix: Water

Date Received: 03/19/20 15:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrophenol	ND		50	11	ug/L		03/24/20 15:36	03/25/20 16:54	5
2,4-Dinitrotoluene	ND		25	2.2	ug/L		03/24/20 15:36	03/25/20 16:54	5
1,4-Dichlorobenzene	ND		50	2.3	ug/L		03/24/20 15:36	03/25/20 16:54	5
2,6-Dinitrotoluene	ND		25	2.0	ug/L		03/24/20 15:36	03/25/20 16:54	5
2-Chloronaphthalene	ND		25	2.3	ug/L		03/24/20 15:36	03/25/20 16:54	5
2-Chlorophenol	ND		25	2.7	ug/L		03/24/20 15:36	03/25/20 16:54	5
2-Methylnaphthalene	4.1	J	25	3.0	ug/L		03/24/20 15:36	03/25/20 16:54	5
2-Methylphenol	5.3	J	25	2.0	ug/L		03/24/20 15:36	03/25/20 16:54	5
2-Nitroaniline	ND		50	2.1	ug/L		03/24/20 15:36	03/25/20 16:54	5
2-Nitrophenol	ND		25	2.4	ug/L		03/24/20 15:36	03/25/20 16:54	5
3,3'-Dichlorobenzidine	ND		25	2.0	ug/L		03/24/20 15:36	03/25/20 16:54	5
3-Nitroaniline	ND		50	2.4	ug/L		03/24/20 15:36	03/25/20 16:54	5
4,6-Dinitro-2-methylphenol	ND		50	11	ug/L		03/24/20 15:36	03/25/20 16:54	5
4-Bromophenyl phenyl ether	ND		25	2.3	ug/L		03/24/20 15:36	03/25/20 16:54	5
4-Chloro-3-methylphenol	ND		25	2.3	ug/L		03/24/20 15:36	03/25/20 16:54	5
4-Chloroaniline	ND		25	3.0	ug/L		03/24/20 15:36	03/25/20 16:54	5
4-Chlorophenyl phenyl ether	ND		25	1.8	ug/L		03/24/20 15:36	03/25/20 16:54	5
4-Methylphenol	5.5	J	50	1.8	ug/L		03/24/20 15:36	03/25/20 16:54	5
4-Nitroaniline	ND		50	1.3	ug/L		03/24/20 15:36	03/25/20 16:54	5
4-Nitrophenol	ND		50	7.6	ug/L		03/24/20 15:36	03/25/20 16:54	5
Acenaphthene	ND		25	2.1	ug/L		03/24/20 15:36	03/25/20 16:54	5
Acenaphthylene	ND		25	1.9	ug/L		03/24/20 15:36	03/25/20 16:54	5
Anthracene	ND		25	1.4	ug/L		03/24/20 15:36	03/25/20 16:54	5
Benzo[a]anthracene	ND		25	1.8	ug/L		03/24/20 15:36	03/25/20 16:54	5
Benzo[a]pyrene	ND		25	2.4	ug/L		03/24/20 15:36	03/25/20 16:54	5
Benzo[b]fluoranthene	ND		25	1.7	ug/L		03/24/20 15:36	03/25/20 16:54	5
Benzo[g,h,i]perylene	ND		25	1.8	ug/L		03/24/20 15:36	03/25/20 16:54	5
Benzo[k]fluoranthene	ND		25	3.7	ug/L		03/24/20 15:36	03/25/20 16:54	5
Bis(2-chloroethoxy)methane	ND		25	1.8	ug/L		03/24/20 15:36	03/25/20 16:54	5
Bis(2-chloroethyl)ether	ND		25	2.0	ug/L		03/24/20 15:36	03/25/20 16:54	5
Bis(2-ethylhexyl) phthalate	ND		25	11	ug/L		03/24/20 15:36	03/25/20 16:54	5
Butyl benzyl phthalate	ND		25	5.0	ug/L		03/24/20 15:36	03/25/20 16:54	5
Carbazole	ND		25	1.5	ug/L		03/24/20 15:36	03/25/20 16:54	5
Chrysene	ND		25	1.7	ug/L		03/24/20 15:36	03/25/20 16:54	5
Di-n-butyl phthalate	ND		25	1.6	ug/L		03/24/20 15:36	03/25/20 16:54	5
Di-n-octyl phthalate	ND		25	2.4	ug/L		03/24/20 15:36	03/25/20 16:54	5
Dibenz(a,h)anthracene	ND		25	2.1	ug/L		03/24/20 15:36	03/25/20 16:54	5
Dibenzofuran	ND		50	2.6	ug/L		03/24/20 15:36	03/25/20 16:54	5
Diethyl phthalate	ND		25	1.1	ug/L		03/24/20 15:36	03/25/20 16:54	5
Dimethyl phthalate	ND		25	1.8	ug/L		03/24/20 15:36	03/25/20 16:54	5
Fluoranthene	ND		25	2.0	ug/L		03/24/20 15:36	03/25/20 16:54	5
Fluorene	ND		25	1.8	ug/L		03/24/20 15:36	03/25/20 16:54	5
Hexachlorobenzene	ND		25	2.6	ug/L		03/24/20 15:36	03/25/20 16:54	5
Hexachlorobutadiene	ND		25	3.4	ug/L		03/24/20 15:36	03/25/20 16:54	5
Hexachlorocyclopentadiene	ND		25	3.0	ug/L		03/24/20 15:36	03/25/20 16:54	5
Hexachloroethane	ND		25	3.0	ug/L		03/24/20 15:36	03/25/20 16:54	5
Indeno[1,2,3-cd]pyrene	ND		25	2.4	ug/L		03/24/20 15:36	03/25/20 16:54	5
Isophorone	ND		25	2.2	ug/L		03/24/20 15:36	03/25/20 16:54	5
N-Nitrosodi-n-propylamine	ND		25	2.7	ug/L		03/24/20 15:36	03/25/20 16:54	5

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-167686-1

Client Sample ID: S-4

Lab Sample ID: 480-167686-1

Date Collected: 03/18/20 11:30

Matrix: Water

Date Received: 03/19/20 15:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		25	2.6	ug/L		03/24/20 15:36	03/25/20 16:54	5
Naphthalene	19	J	25	3.8	ug/L		03/24/20 15:36	03/25/20 16:54	5
Nitrobenzene	ND		25	1.5	ug/L		03/24/20 15:36	03/25/20 16:54	5
Pentachlorophenol	ND		50	11	ug/L		03/24/20 15:36	03/25/20 16:54	5
Phenanthrene	ND		25	2.2	ug/L		03/24/20 15:36	03/25/20 16:54	5
Phenol	ND		25	2.0	ug/L		03/24/20 15:36	03/25/20 16:54	5
Pyrene	ND		25	1.7	ug/L		03/24/20 15:36	03/25/20 16:54	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	87		41 - 120	03/24/20 15:36	03/25/20 16:54	5
2-Fluorobiphenyl	98		48 - 120	03/24/20 15:36	03/25/20 16:54	5
2-Fluorophenol	77		35 - 120	03/24/20 15:36	03/25/20 16:54	5
Nitrobenzene-d5	90		46 - 120	03/24/20 15:36	03/25/20 16:54	5
p-Terphenyl-d14	94		60 - 148	03/24/20 15:36	03/25/20 16:54	5
Phenol-d5	52		22 - 120	03/24/20 15:36	03/25/20 16:54	5

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND	**1	0.050	0.0092	ug/L		03/24/20 09:04	03/24/20 15:37	1
4,4'-DDE	ND		0.050	0.012	ug/L		03/24/20 09:04	03/24/20 15:37	1
4,4'-DDT	ND	**1	0.050	0.011	ug/L		03/24/20 09:04	03/24/20 15:37	1
Aldrin	ND		0.050	0.0081	ug/L		03/24/20 09:04	03/24/20 15:37	1
alpha-BHC	0.016	J	0.050	0.0077	ug/L		03/24/20 09:04	03/24/20 15:37	1
cis-Chlordane	ND		0.050	0.015	ug/L		03/24/20 09:04	03/24/20 15:37	1
beta-BHC	0.048	J	0.050	0.025	ug/L		03/24/20 09:04	03/24/20 15:37	1
delta-BHC	ND		0.050	0.010	ug/L		03/24/20 09:04	03/24/20 15:37	1
Dieldrin	ND		0.050	0.0098	ug/L		03/24/20 09:04	03/24/20 15:37	1
Endosulfan I	0.051		0.050	0.011	ug/L		03/24/20 09:04	03/24/20 15:37	1
Endosulfan II	ND		0.050	0.012	ug/L		03/24/20 09:04	03/24/20 15:37	1
Endosulfan sulfate	ND	**1	0.050	0.016	ug/L		03/24/20 09:04	03/24/20 15:37	1
Endrin	ND		0.050	0.014	ug/L		03/24/20 09:04	03/24/20 15:37	1
Endrin aldehyde	ND	**1	0.050	0.016	ug/L		03/24/20 09:04	03/24/20 15:37	1
Endrin ketone	0.018	J B *	0.050	0.012	ug/L		03/24/20 09:04	03/24/20 15:37	1
gamma-BHC (Lindane)	ND		0.050	0.0080	ug/L		03/24/20 09:04	03/24/20 15:37	1
trans-Chlordane	ND		0.050	0.011	ug/L		03/24/20 09:04	03/24/20 15:37	1
Heptachlor	0.019	J	0.050	0.0085	ug/L		03/24/20 09:04	03/24/20 15:37	1
Heptachlor epoxide	ND		0.050	0.0074	ug/L		03/24/20 09:04	03/24/20 15:37	1
Methoxychlor	ND		0.050	0.014	ug/L		03/24/20 09:04	03/24/20 15:37	1
Toxaphene	ND		0.50	0.12	ug/L		03/24/20 09:04	03/24/20 15:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	90		20 - 120	03/24/20 09:04	03/24/20 15:37	1
Tetrachloro-m-xylene	80		44 - 120	03/24/20 09:04	03/24/20 15:37	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		03/25/20 08:43	03/26/20 16:41	1
PCB-1221	ND		0.50	0.18	ug/L		03/25/20 08:43	03/26/20 16:41	1
PCB-1232	5.1		0.50	0.18	ug/L		03/25/20 08:43	03/26/20 16:41	1
PCB-1242	ND		0.50	0.18	ug/L		03/25/20 08:43	03/26/20 16:41	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-167686-1

Client Sample ID: S-4

Lab Sample ID: 480-167686-1

Date Collected: 03/18/20 11:30

Matrix: Water

Date Received: 03/19/20 15:05

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		03/25/20 08:43	03/26/20 16:41	1
PCB-1254	ND		0.50	0.25	ug/L		03/25/20 08:43	03/26/20 16:41	1
PCB-1260	ND		0.50	0.25	ug/L		03/25/20 08:43	03/26/20 16:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	43		19 - 120				03/25/20 08:43	03/26/20 16:41	1
Tetrachloro-m-xylene	129	X	39 - 121				03/25/20 08:43	03/26/20 16:41	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.65		0.20	0.060	mg/L		03/23/20 08:18	03/24/20 18:20	1
Antimony	ND		0.020	0.0068	mg/L		03/23/20 08:18	03/24/20 18:20	1
Arsenic	0.0074	J	0.010	0.0056	mg/L		03/23/20 08:18	03/24/20 18:20	1
Barium	0.027		0.0020	0.00070	mg/L		03/23/20 08:18	03/24/20 18:20	1
Beryllium	ND		0.0020	0.00030	mg/L		03/23/20 08:18	03/24/20 18:20	1
Cadmium	ND		0.0010	0.00050	mg/L		03/23/20 08:18	03/24/20 18:20	1
Calcium	111		0.50	0.10	mg/L		03/23/20 08:18	03/24/20 18:20	1
Chromium	0.0060		0.0040	0.0010	mg/L		03/23/20 08:18	03/24/20 18:20	1
Cobalt	ND		0.0040	0.00063	mg/L		03/23/20 08:18	03/24/20 18:20	1
Copper	0.0045	J	0.010	0.0016	mg/L		03/23/20 08:18	03/24/20 18:20	1
Iron	0.71		0.050	0.019	mg/L		03/23/20 08:18	03/24/20 18:20	1
Lead	ND		0.0050	0.0030	mg/L		03/23/20 08:18	03/24/20 18:20	1
Magnesium	2.3		0.20	0.043	mg/L		03/23/20 08:18	03/24/20 18:20	1
Manganese	0.059		0.0030	0.00040	mg/L		03/23/20 08:18	03/24/20 18:20	1
Nickel	0.0021	J	0.010	0.0013	mg/L		03/23/20 08:18	03/24/20 18:20	1
Potassium	81.9		0.50	0.10	mg/L		03/23/20 08:18	03/24/20 18:20	1
Selenium	ND		0.015	0.0087	mg/L		03/23/20 08:18	03/24/20 18:20	1
Silver	ND		0.0030	0.0017	mg/L		03/23/20 08:18	03/24/20 18:20	1
Sodium	201		1.0	0.32	mg/L		03/23/20 08:18	03/24/20 18:20	1
Thallium	ND		0.020	0.010	mg/L		03/23/20 08:18	03/24/20 18:20	1
Vanadium	0.0038	J	0.0050	0.0015	mg/L		03/23/20 08:18	03/24/20 18:20	1
Zinc	0.0090	J B	0.010	0.0015	mg/L		03/23/20 08:18	03/24/20 18:20	1

Method: 7470A_ASP - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		03/23/20 11:46	03/23/20 14:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.045		0.010	0.0050	mg/L		03/23/20 12:15	03/23/20 14:45	1

Client Sample ID: S-1

Lab Sample ID: 480-167686-2

Date Collected: 03/18/20 13:00

Matrix: Water

Date Received: 03/19/20 15:05

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			03/23/20 14:51	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/23/20 14:51	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/23/20 14:51	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/23/20 14:51	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-167686-1

Client Sample ID: S-1

Lab Sample ID: 480-167686-2

Date Collected: 03/18/20 13:00

Matrix: Water

Date Received: 03/19/20 15:05

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			03/23/20 14:51	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/23/20 14:51	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			03/23/20 14:51	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/23/20 14:51	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/23/20 14:51	1
2-Hexanone	ND		5.0	1.2	ug/L			03/23/20 14:51	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/23/20 14:51	1
Acetone	ND		10	3.0	ug/L			03/23/20 14:51	1
Benzene	ND		1.0	0.41	ug/L			03/23/20 14:51	1
Bromoform	ND	*	1.0	0.26	ug/L			03/23/20 14:51	1
Bromomethane	ND		1.0	0.69	ug/L			03/23/20 14:51	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/23/20 14:51	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/23/20 14:51	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/23/20 14:51	1
Dibromochloromethane	ND	*	1.0	0.32	ug/L			03/23/20 14:51	1
Chloroethane	ND		1.0	0.32	ug/L			03/23/20 14:51	1
Chloroform	ND		1.0	0.34	ug/L			03/23/20 14:51	1
Chloromethane	ND		1.0	0.35	ug/L			03/23/20 14:51	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/23/20 14:51	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/23/20 14:51	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/23/20 14:51	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/23/20 14:51	1
Toluene	ND		1.0	0.51	ug/L			03/23/20 14:51	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/23/20 14:51	1
Trichloroethene	ND		1.0	0.46	ug/L			03/23/20 14:51	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/23/20 14:51	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/23/20 14:51	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/23/20 14:51	1
Styrene	ND		1.0	0.73	ug/L			03/23/20 14:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	115		77 - 120					03/23/20 14:51	1
4-Bromofluorobenzene (Surr)	107		73 - 120					03/23/20 14:51	1
Toluene-d8 (Surr)	100		80 - 120					03/23/20 14:51	1
Dibromofluoromethane (Surr)	110		75 - 123					03/23/20 14:51	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		03/24/20 15:36	03/25/20 17:23	1
1,2,4-Trichlorobenzene	ND		10	0.44	ug/L		03/24/20 15:36	03/25/20 17:23	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		03/24/20 15:36	03/25/20 17:23	1
1,2-Dichlorobenzene	ND		10	0.40	ug/L		03/24/20 15:36	03/25/20 17:23	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		03/24/20 15:36	03/25/20 17:23	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		03/24/20 15:36	03/25/20 17:23	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		03/24/20 15:36	03/25/20 17:23	1
1,3-Dichlorobenzene	ND		10	0.48	ug/L		03/24/20 15:36	03/25/20 17:23	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		03/24/20 15:36	03/25/20 17:23	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		03/24/20 15:36	03/25/20 17:23	1
1,4-Dichlorobenzene	ND		10	0.46	ug/L		03/24/20 15:36	03/25/20 17:23	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		03/24/20 15:36	03/25/20 17:23	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-167686-1

Client Sample ID: S-1

Lab Sample ID: 480-167686-2

Date Collected: 03/18/20 13:00

Matrix: Water

Date Received: 03/19/20 15:05

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		03/24/20 15:36	03/25/20 17:23	1
2-Chlorophenol	ND		5.0	0.53	ug/L		03/24/20 15:36	03/25/20 17:23	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		03/24/20 15:36	03/25/20 17:23	1
2-Methylphenol	ND		5.0	0.40	ug/L		03/24/20 15:36	03/25/20 17:23	1
2-Nitroaniline	ND		10	0.42	ug/L		03/24/20 15:36	03/25/20 17:23	1
2-Nitrophenol	ND		5.0	0.48	ug/L		03/24/20 15:36	03/25/20 17:23	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		03/24/20 15:36	03/25/20 17:23	1
3-Nitroaniline	ND		10	0.48	ug/L		03/24/20 15:36	03/25/20 17:23	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		03/24/20 15:36	03/25/20 17:23	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		03/24/20 15:36	03/25/20 17:23	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		03/24/20 15:36	03/25/20 17:23	1
4-Chloroaniline	ND		5.0	0.59	ug/L		03/24/20 15:36	03/25/20 17:23	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		03/24/20 15:36	03/25/20 17:23	1
4-Methylphenol	ND		10	0.36	ug/L		03/24/20 15:36	03/25/20 17:23	1
4-Nitroaniline	ND		10	0.25	ug/L		03/24/20 15:36	03/25/20 17:23	1
4-Nitrophenol	ND		10	1.5	ug/L		03/24/20 15:36	03/25/20 17:23	1
Acenaphthene	ND		5.0	0.41	ug/L		03/24/20 15:36	03/25/20 17:23	1
Acenaphthylene	ND		5.0	0.38	ug/L		03/24/20 15:36	03/25/20 17:23	1
Anthracene	ND		5.0	0.28	ug/L		03/24/20 15:36	03/25/20 17:23	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		03/24/20 15:36	03/25/20 17:23	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		03/24/20 15:36	03/25/20 17:23	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		03/24/20 15:36	03/25/20 17:23	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		03/24/20 15:36	03/25/20 17:23	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		03/24/20 15:36	03/25/20 17:23	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		03/24/20 15:36	03/25/20 17:23	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		03/24/20 15:36	03/25/20 17:23	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		03/24/20 15:36	03/25/20 17:23	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		03/24/20 15:36	03/25/20 17:23	1
Carbazole	ND		5.0	0.30	ug/L		03/24/20 15:36	03/25/20 17:23	1
Chrysene	ND		5.0	0.33	ug/L		03/24/20 15:36	03/25/20 17:23	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		03/24/20 15:36	03/25/20 17:23	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		03/24/20 15:36	03/25/20 17:23	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		03/24/20 15:36	03/25/20 17:23	1
Dibenzofuran	ND		10	0.51	ug/L		03/24/20 15:36	03/25/20 17:23	1
Diethyl phthalate	ND		5.0	0.22	ug/L		03/24/20 15:36	03/25/20 17:23	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		03/24/20 15:36	03/25/20 17:23	1
Fluoranthene	ND		5.0	0.40	ug/L		03/24/20 15:36	03/25/20 17:23	1
Fluorene	ND		5.0	0.36	ug/L		03/24/20 15:36	03/25/20 17:23	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		03/24/20 15:36	03/25/20 17:23	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		03/24/20 15:36	03/25/20 17:23	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		03/24/20 15:36	03/25/20 17:23	1
Hexachloroethane	ND		5.0	0.59	ug/L		03/24/20 15:36	03/25/20 17:23	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		03/24/20 15:36	03/25/20 17:23	1
Isophorone	ND		5.0	0.43	ug/L		03/24/20 15:36	03/25/20 17:23	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		03/24/20 15:36	03/25/20 17:23	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		03/24/20 15:36	03/25/20 17:23	1
Naphthalene	ND		5.0	0.76	ug/L		03/24/20 15:36	03/25/20 17:23	1
Nitrobenzene	ND		5.0	0.29	ug/L		03/24/20 15:36	03/25/20 17:23	1
Pentachlorophenol	ND		10	2.2	ug/L		03/24/20 15:36	03/25/20 17:23	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-167686-1

Client Sample ID: S-1

Lab Sample ID: 480-167686-2

Date Collected: 03/18/20 13:00

Matrix: Water

Date Received: 03/19/20 15:05

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		03/24/20 15:36	03/25/20 17:23	1
Phenol	ND		5.0	0.39	ug/L		03/24/20 15:36	03/25/20 17:23	1
Pyrene	ND		5.0	0.34	ug/L		03/24/20 15:36	03/25/20 17:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	84		41 - 120	03/24/20 15:36	03/25/20 17:23	1
2-Fluorobiphenyl	91		48 - 120	03/24/20 15:36	03/25/20 17:23	1
2-Fluorophenol	73		35 - 120	03/24/20 15:36	03/25/20 17:23	1
Nitrobenzene-d5	86		46 - 120	03/24/20 15:36	03/25/20 17:23	1
p-Terphenyl-d14	77		60 - 148	03/24/20 15:36	03/25/20 17:23	1
Phenol-d5	56		22 - 120	03/24/20 15:36	03/25/20 17:23	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND	**1	0.050	0.0092	ug/L		03/24/20 09:04	03/24/20 15:57	1
4,4'-DDE	0.033	J	0.050	0.012	ug/L		03/24/20 09:04	03/24/20 15:57	1
4,4'-DDT	0.019	J **1	0.050	0.011	ug/L		03/24/20 09:04	03/24/20 15:57	1
Aldrin	ND		0.050	0.0081	ug/L		03/24/20 09:04	03/24/20 15:57	1
alpha-BHC	ND		0.050	0.0077	ug/L		03/24/20 09:04	03/24/20 15:57	1
cis-Chlordane	ND		0.050	0.015	ug/L		03/24/20 09:04	03/24/20 15:57	1
beta-BHC	ND		0.050	0.025	ug/L		03/24/20 09:04	03/24/20 15:57	1
delta-BHC	ND		0.050	0.010	ug/L		03/24/20 09:04	03/24/20 15:57	1
Dieldrin	ND		0.050	0.0098	ug/L		03/24/20 09:04	03/24/20 15:57	1
Endosulfan I	ND		0.050	0.011	ug/L		03/24/20 09:04	03/24/20 15:57	1
Endosulfan II	ND		0.050	0.012	ug/L		03/24/20 09:04	03/24/20 15:57	1
Endosulfan sulfate	ND	**1	0.050	0.016	ug/L		03/24/20 09:04	03/24/20 15:57	1
Endrin	ND		0.050	0.014	ug/L		03/24/20 09:04	03/24/20 15:57	1
Endrin aldehyde	ND	**1	0.050	0.016	ug/L		03/24/20 09:04	03/24/20 15:57	1
Endrin ketone	ND	*	0.050	0.012	ug/L		03/24/20 09:04	03/24/20 15:57	1
gamma-BHC (Lindane)	ND		0.050	0.0080	ug/L		03/24/20 09:04	03/24/20 15:57	1
trans-Chlordane	ND		0.050	0.011	ug/L		03/24/20 09:04	03/24/20 15:57	1
Heptachlor	ND		0.050	0.0085	ug/L		03/24/20 09:04	03/24/20 15:57	1
Heptachlor epoxide	ND		0.050	0.0074	ug/L		03/24/20 09:04	03/24/20 15:57	1
Methoxychlor	ND		0.050	0.014	ug/L		03/24/20 09:04	03/24/20 15:57	1
Toxaphene	ND		0.50	0.12	ug/L		03/24/20 09:04	03/24/20 15:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	70		20 - 120	03/24/20 09:04	03/24/20 15:57	1
Tetrachloro-m-xylene	80		44 - 120	03/24/20 09:04	03/24/20 15:57	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		03/25/20 08:43	03/26/20 16:54	1
PCB-1221	ND		0.50	0.18	ug/L		03/25/20 08:43	03/26/20 16:54	1
PCB-1232	ND		0.50	0.18	ug/L		03/25/20 08:43	03/26/20 16:54	1
PCB-1242	ND		0.50	0.18	ug/L		03/25/20 08:43	03/26/20 16:54	1
PCB-1248	ND		0.50	0.18	ug/L		03/25/20 08:43	03/26/20 16:54	1
PCB-1254	ND		0.50	0.25	ug/L		03/25/20 08:43	03/26/20 16:54	1
PCB-1260	ND		0.50	0.25	ug/L		03/25/20 08:43	03/26/20 16:54	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-167686-1

Client Sample ID: S-1

Lab Sample ID: 480-167686-2

Date Collected: 03/18/20 13:00

Matrix: Water

Date Received: 03/19/20 15:05

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	46		19 - 120	03/25/20 08:43	03/26/20 16:54	1
Tetrachloro-m-xylene	93		39 - 121	03/25/20 08:43	03/26/20 16:54	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.58		0.20	0.060	mg/L		03/23/20 08:18	03/24/20 18:24	1
Antimony	ND		0.020	0.0068	mg/L		03/23/20 08:18	03/24/20 18:24	1
Arsenic	0.0058	J	0.010	0.0056	mg/L		03/23/20 08:18	03/24/20 18:24	1
Barium	0.017		0.0020	0.00070	mg/L		03/23/20 08:18	03/24/20 18:24	1
Beryllium	ND		0.0020	0.00030	mg/L		03/23/20 08:18	03/24/20 18:24	1
Cadmium	ND		0.0010	0.00050	mg/L		03/23/20 08:18	03/24/20 18:24	1
Calcium	47.3		0.50	0.10	mg/L		03/23/20 08:18	03/24/20 18:24	1
Chromium	0.0012	J	0.0040	0.0010	mg/L		03/23/20 08:18	03/24/20 18:24	1
Cobalt	ND		0.0040	0.00063	mg/L		03/23/20 08:18	03/24/20 18:24	1
Copper	0.0031	J	0.010	0.0016	mg/L		03/23/20 08:18	03/24/20 18:24	1
Iron	0.51		0.050	0.019	mg/L		03/23/20 08:18	03/24/20 18:24	1
Lead	ND		0.0050	0.0030	mg/L		03/23/20 08:18	03/24/20 18:24	1
Magnesium	15.5		0.20	0.043	mg/L		03/23/20 08:18	03/24/20 18:24	1
Manganese	0.016		0.0030	0.00040	mg/L		03/23/20 08:18	03/24/20 18:24	1
Nickel	ND		0.010	0.0013	mg/L		03/23/20 08:18	03/24/20 18:24	1
Potassium	2.2		0.50	0.10	mg/L		03/23/20 08:18	03/24/20 18:24	1
Selenium	ND		0.015	0.0087	mg/L		03/23/20 08:18	03/24/20 18:24	1
Silver	ND		0.0030	0.0017	mg/L		03/23/20 08:18	03/24/20 18:24	1
Sodium	2.5		1.0	0.32	mg/L		03/23/20 08:18	03/24/20 18:24	1
Thallium	ND		0.020	0.010	mg/L		03/23/20 08:18	03/24/20 18:24	1
Vanadium	ND		0.0050	0.0015	mg/L		03/23/20 08:18	03/24/20 18:24	1
Zinc	0.0079	J B	0.010	0.0015	mg/L		03/23/20 08:18	03/24/20 18:24	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		03/23/20 11:46	03/23/20 14:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		03/23/20 12:15	03/23/20 14:48	1

Client Sample ID: S-2

Lab Sample ID: 480-167686-3

Date Collected: 03/18/20 13:30

Matrix: Water

Date Received: 03/19/20 15:05

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			03/25/20 09:21	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			03/25/20 09:21	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			03/25/20 09:21	2
1,1-Dichloroethane	ND		2.0	0.76	ug/L			03/25/20 09:21	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			03/25/20 09:21	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			03/25/20 09:21	2
1,2-Dichloroethene, Total	19		4.0	1.6	ug/L			03/25/20 09:21	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			03/25/20 09:21	2
2-Butanone (MEK)	ND		20	2.6	ug/L			03/25/20 09:21	2

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-167686-1

Client Sample ID: S-2

Lab Sample ID: 480-167686-3

Date Collected: 03/18/20 13:30

Matrix: Water

Date Received: 03/19/20 15:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Hexanone	ND		10	2.5	ug/L			03/25/20 09:21	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			03/25/20 09:21	2
Acetone	ND		20	6.0	ug/L			03/25/20 09:21	2
Benzene	ND		2.0	0.82	ug/L			03/25/20 09:21	2
Bromoform	ND		2.0	0.52	ug/L			03/25/20 09:21	2
Bromomethane	ND		2.0	1.4	ug/L			03/25/20 09:21	2
Carbon disulfide	ND		2.0	0.38	ug/L			03/25/20 09:21	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			03/25/20 09:21	2
Chlorobenzene	ND		2.0	1.5	ug/L			03/25/20 09:21	2
Dibromochloromethane	ND		2.0	0.64	ug/L			03/25/20 09:21	2
Chloroethane	ND		2.0	0.64	ug/L			03/25/20 09:21	2
Chloroform	ND		2.0	0.68	ug/L			03/25/20 09:21	2
Chloromethane	ND		2.0	0.70	ug/L			03/25/20 09:21	2
Bromodichloromethane	ND		2.0	0.78	ug/L			03/25/20 09:21	2
Ethylbenzene	ND		2.0	1.5	ug/L			03/25/20 09:21	2
Methylene Chloride	ND		2.0	0.88	ug/L			03/25/20 09:21	2
Tetrachloroethene	ND		2.0	0.72	ug/L			03/25/20 09:21	2
Toluene	ND		2.0	1.0	ug/L			03/25/20 09:21	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			03/25/20 09:21	2
Trichloroethene	1.2	J	2.0	0.92	ug/L			03/25/20 09:21	2
Vinyl chloride	4.6		2.0	1.8	ug/L			03/25/20 09:21	2
Xylenes, Total	ND		4.0	1.3	ug/L			03/25/20 09:21	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			03/25/20 09:21	2
Styrene	ND		2.0	1.5	ug/L			03/25/20 09:21	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		77 - 120		03/25/20 09:21	2
4-Bromofluorobenzene (Surr)	105		73 - 120		03/25/20 09:21	2
Toluene-d8 (Surr)	102		80 - 120		03/25/20 09:21	2
Dibromofluoromethane (Surr)	97		75 - 123		03/25/20 09:21	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		03/24/20 15:36	03/25/20 17:52	1
1,2,4-Trichlorobenzene	ND		10	0.44	ug/L		03/24/20 15:36	03/25/20 17:52	1
2,4,5-Trichlorophenol	0.57	J	5.0	0.48	ug/L		03/24/20 15:36	03/25/20 17:52	1
1,2-Dichlorobenzene	ND		10	0.40	ug/L		03/24/20 15:36	03/25/20 17:52	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		03/24/20 15:36	03/25/20 17:52	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		03/24/20 15:36	03/25/20 17:52	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		03/24/20 15:36	03/25/20 17:52	1
1,3-Dichlorobenzene	ND		10	0.48	ug/L		03/24/20 15:36	03/25/20 17:52	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		03/24/20 15:36	03/25/20 17:52	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		03/24/20 15:36	03/25/20 17:52	1
1,4-Dichlorobenzene	ND		10	0.46	ug/L		03/24/20 15:36	03/25/20 17:52	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		03/24/20 15:36	03/25/20 17:52	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		03/24/20 15:36	03/25/20 17:52	1
2-Chlorophenol	ND		5.0	0.53	ug/L		03/24/20 15:36	03/25/20 17:52	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		03/24/20 15:36	03/25/20 17:52	1
2-Methylphenol	ND		5.0	0.40	ug/L		03/24/20 15:36	03/25/20 17:52	1
2-Nitroaniline	ND		10	0.42	ug/L		03/24/20 15:36	03/25/20 17:52	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-167686-1

Client Sample ID: S-2

Lab Sample ID: 480-167686-3

Date Collected: 03/18/20 13:30

Matrix: Water

Date Received: 03/19/20 15:05

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		03/24/20 15:36	03/25/20 17:52	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		03/24/20 15:36	03/25/20 17:52	1
3-Nitroaniline	ND		10	0.48	ug/L		03/24/20 15:36	03/25/20 17:52	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		03/24/20 15:36	03/25/20 17:52	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		03/24/20 15:36	03/25/20 17:52	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		03/24/20 15:36	03/25/20 17:52	1
4-Chloroaniline	ND		5.0	0.59	ug/L		03/24/20 15:36	03/25/20 17:52	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		03/24/20 15:36	03/25/20 17:52	1
4-Methylphenol	ND		10	0.36	ug/L		03/24/20 15:36	03/25/20 17:52	1
4-Nitroaniline	ND		10	0.25	ug/L		03/24/20 15:36	03/25/20 17:52	1
4-Nitrophenol	ND		10	1.5	ug/L		03/24/20 15:36	03/25/20 17:52	1
Acenaphthene	ND		5.0	0.41	ug/L		03/24/20 15:36	03/25/20 17:52	1
Acenaphthylene	ND		5.0	0.38	ug/L		03/24/20 15:36	03/25/20 17:52	1
Anthracene	ND		5.0	0.28	ug/L		03/24/20 15:36	03/25/20 17:52	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		03/24/20 15:36	03/25/20 17:52	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		03/24/20 15:36	03/25/20 17:52	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		03/24/20 15:36	03/25/20 17:52	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		03/24/20 15:36	03/25/20 17:52	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		03/24/20 15:36	03/25/20 17:52	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		03/24/20 15:36	03/25/20 17:52	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		03/24/20 15:36	03/25/20 17:52	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		03/24/20 15:36	03/25/20 17:52	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		03/24/20 15:36	03/25/20 17:52	1
Carbazole	ND		5.0	0.30	ug/L		03/24/20 15:36	03/25/20 17:52	1
Chrysene	ND		5.0	0.33	ug/L		03/24/20 15:36	03/25/20 17:52	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		03/24/20 15:36	03/25/20 17:52	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		03/24/20 15:36	03/25/20 17:52	1
Dibenz[a,h]anthracene	ND		5.0	0.42	ug/L		03/24/20 15:36	03/25/20 17:52	1
Dibenzofuran	ND		10	0.51	ug/L		03/24/20 15:36	03/25/20 17:52	1
Diethyl phthalate	ND		5.0	0.22	ug/L		03/24/20 15:36	03/25/20 17:52	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		03/24/20 15:36	03/25/20 17:52	1
Fluoranthene	ND		5.0	0.40	ug/L		03/24/20 15:36	03/25/20 17:52	1
Fluorene	ND		5.0	0.36	ug/L		03/24/20 15:36	03/25/20 17:52	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		03/24/20 15:36	03/25/20 17:52	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		03/24/20 15:36	03/25/20 17:52	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		03/24/20 15:36	03/25/20 17:52	1
Hexachloroethane	ND		5.0	0.59	ug/L		03/24/20 15:36	03/25/20 17:52	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		03/24/20 15:36	03/25/20 17:52	1
Isophorone	ND		5.0	0.43	ug/L		03/24/20 15:36	03/25/20 17:52	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		03/24/20 15:36	03/25/20 17:52	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		03/24/20 15:36	03/25/20 17:52	1
Naphthalene	ND		5.0	0.76	ug/L		03/24/20 15:36	03/25/20 17:52	1
Nitrobenzene	ND		5.0	0.29	ug/L		03/24/20 15:36	03/25/20 17:52	1
Pentachlorophenol	ND		10	2.2	ug/L		03/24/20 15:36	03/25/20 17:52	1
Phenanthrene	ND		5.0	0.44	ug/L		03/24/20 15:36	03/25/20 17:52	1
Phenol	ND		5.0	0.39	ug/L		03/24/20 15:36	03/25/20 17:52	1
Pyrene	ND		5.0	0.34	ug/L		03/24/20 15:36	03/25/20 17:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	93		41 - 120				03/24/20 15:36	03/25/20 17:52	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-167686-1

Client Sample ID: S-2

Lab Sample ID: 480-167686-3

Date Collected: 03/18/20 13:30

Matrix: Water

Date Received: 03/19/20 15:05

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	93		48 - 120	03/24/20 15:36	03/25/20 17:52	1
2-Fluorophenol	74		35 - 120	03/24/20 15:36	03/25/20 17:52	1
Nitrobenzene-d5	87		46 - 120	03/24/20 15:36	03/25/20 17:52	1
p-Terphenyl-d14	93		60 - 148	03/24/20 15:36	03/25/20 17:52	1
Phenol-d5	54		22 - 120	03/24/20 15:36	03/25/20 17:52	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND	* *1	0.050	0.0092	ug/L		03/24/20 09:04	03/24/20 16:17	1
4,4'-DDE	ND		0.050	0.012	ug/L		03/24/20 09:04	03/24/20 16:17	1
4,4'-DDT	0.020	J * *1	0.050	0.011	ug/L		03/24/20 09:04	03/24/20 16:17	1
Aldrin	ND		0.050	0.0081	ug/L		03/24/20 09:04	03/24/20 16:17	1
alpha-BHC	ND		0.050	0.0077	ug/L		03/24/20 09:04	03/24/20 16:17	1
cis-Chlordane	ND		0.050	0.015	ug/L		03/24/20 09:04	03/24/20 16:17	1
beta-BHC	ND		0.050	0.025	ug/L		03/24/20 09:04	03/24/20 16:17	1
delta-BHC	ND		0.050	0.010	ug/L		03/24/20 09:04	03/24/20 16:17	1
Dieldrin	0.012	J	0.050	0.0098	ug/L		03/24/20 09:04	03/24/20 16:17	1
Endosulfan I	ND		0.050	0.011	ug/L		03/24/20 09:04	03/24/20 16:17	1
Endosulfan II	ND		0.050	0.012	ug/L		03/24/20 09:04	03/24/20 16:17	1
Endosulfan sulfate	ND	* *1	0.050	0.016	ug/L		03/24/20 09:04	03/24/20 16:17	1
Endrin	ND		0.050	0.014	ug/L		03/24/20 09:04	03/24/20 16:17	1
Endrin aldehyde	ND	* *1	0.050	0.016	ug/L		03/24/20 09:04	03/24/20 16:17	1
Endrin ketone	ND	*	0.050	0.012	ug/L		03/24/20 09:04	03/24/20 16:17	1
gamma-BHC (Lindane)	0.017	J B	0.050	0.0080	ug/L		03/24/20 09:04	03/24/20 16:17	1
trans-Chlordane	0.027	J	0.050	0.011	ug/L		03/24/20 09:04	03/24/20 16:17	1
Heptachlor	ND		0.050	0.0085	ug/L		03/24/20 09:04	03/24/20 16:17	1
Heptachlor epoxide	ND		0.050	0.0074	ug/L		03/24/20 09:04	03/24/20 16:17	1
Methoxychlor	ND		0.050	0.014	ug/L		03/24/20 09:04	03/24/20 16:17	1
Toxaphene	ND		0.50	0.12	ug/L		03/24/20 09:04	03/24/20 16:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	101		20 - 120	03/24/20 09:04	03/24/20 16:17	1
Tetrachloro-m-xylene	68		44 - 120	03/24/20 09:04	03/24/20 16:17	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		03/25/20 08:43	03/26/20 17:07	1
PCB-1221	ND		0.50	0.18	ug/L		03/25/20 08:43	03/26/20 17:07	1
PCB-1232	ND		0.50	0.18	ug/L		03/25/20 08:43	03/26/20 17:07	1
PCB-1242	0.59		0.50	0.18	ug/L		03/25/20 08:43	03/26/20 17:07	1
PCB-1248	ND		0.50	0.18	ug/L		03/25/20 08:43	03/26/20 17:07	1
PCB-1254	ND		0.50	0.25	ug/L		03/25/20 08:43	03/26/20 17:07	1
PCB-1260	ND		0.50	0.25	ug/L		03/25/20 08:43	03/26/20 17:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	55		19 - 120	03/25/20 08:43	03/26/20 17:07	1
Tetrachloro-m-xylene	93		39 - 121	03/25/20 08:43	03/26/20 17:07	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-167686-1

Client Sample ID: S-2

Lab Sample ID: 480-167686-3

Date Collected: 03/18/20 13:30

Matrix: Water

Date Received: 03/19/20 15:05

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.16	J	0.20	0.060	mg/L		03/23/20 08:18	03/24/20 18:27	1
Antimony	ND		0.020	0.0068	mg/L		03/23/20 08:18	03/24/20 18:27	1
Arsenic	ND		0.010	0.0056	mg/L		03/23/20 08:18	03/24/20 18:27	1
Barium	0.049		0.0020	0.00070	mg/L		03/23/20 08:18	03/24/20 18:27	1
Beryllium	ND		0.0020	0.00030	mg/L		03/23/20 08:18	03/24/20 18:27	1
Cadmium	ND		0.0010	0.00050	mg/L		03/23/20 08:18	03/24/20 18:27	1
Calcium	60.0		0.50	0.10	mg/L		03/23/20 08:18	03/24/20 18:27	1
Chromium	ND		0.0040	0.0010	mg/L		03/23/20 08:18	03/24/20 18:27	1
Cobalt	ND		0.0040	0.00063	mg/L		03/23/20 08:18	03/24/20 18:27	1
Copper	ND		0.010	0.0016	mg/L		03/23/20 08:18	03/24/20 18:27	1
Iron	ND		0.050	0.019	mg/L		03/23/20 08:18	03/24/20 18:27	1
Lead	ND		0.0050	0.0030	mg/L		03/23/20 08:18	03/24/20 18:27	1
Magnesium	0.18	J	0.20	0.043	mg/L		03/23/20 08:18	03/24/20 18:27	1
Manganese	ND		0.0030	0.00040	mg/L		03/23/20 08:18	03/24/20 18:27	1
Nickel	ND		0.010	0.0013	mg/L		03/23/20 08:18	03/24/20 18:27	1
Potassium	24.7		0.50	0.10	mg/L		03/23/20 08:18	03/24/20 18:27	1
Selenium	ND		0.015	0.0087	mg/L		03/23/20 08:18	03/24/20 18:27	1
Silver	ND		0.0030	0.0017	mg/L		03/23/20 08:18	03/24/20 18:27	1
Sodium	32.8		1.0	0.32	mg/L		03/23/20 08:18	03/24/20 18:27	1
Thallium	ND		0.020	0.010	mg/L		03/23/20 08:18	03/24/20 18:27	1
Vanadium	0.0088		0.0050	0.0015	mg/L		03/23/20 08:18	03/24/20 18:27	1
Zinc	0.0054	J B	0.010	0.0015	mg/L		03/23/20 08:18	03/24/20 18:27	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		03/23/20 11:46	03/23/20 14:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.0073	J	0.010	0.0050	mg/L		03/23/20 12:15	03/23/20 14:50	1

Client Sample ID: S-3

Lab Sample ID: 480-167686-4

Date Collected: 03/18/20 14:15

Matrix: Water

Date Received: 03/19/20 15:05

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			03/23/20 15:39	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			03/23/20 15:39	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			03/23/20 15:39	2
1,1-Dichloroethane	1.3	J	2.0	0.76	ug/L			03/23/20 15:39	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			03/23/20 15:39	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			03/23/20 15:39	2
1,2-Dichloroethene, Total	ND		4.0	1.6	ug/L			03/23/20 15:39	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			03/23/20 15:39	2
2-Butanone (MEK)	ND		20	2.6	ug/L			03/23/20 15:39	2
2-Hexanone	ND		10	2.5	ug/L			03/23/20 15:39	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			03/23/20 15:39	2
Acetone	ND		20	6.0	ug/L			03/23/20 15:39	2
Benzene	ND		2.0	0.82	ug/L			03/23/20 15:39	2

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-167686-1

Client Sample ID: S-3

Lab Sample ID: 480-167686-4

Date Collected: 03/18/20 14:15

Matrix: Water

Date Received: 03/19/20 15:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	ND	*	2.0	0.52	ug/L			03/23/20 15:39	2
Bromomethane	ND		2.0	1.4	ug/L			03/23/20 15:39	2
Carbon disulfide	ND		2.0	0.38	ug/L			03/23/20 15:39	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			03/23/20 15:39	2
Chlorobenzene	ND		2.0	1.5	ug/L			03/23/20 15:39	2
Dibromochloromethane	ND	*	2.0	0.64	ug/L			03/23/20 15:39	2
Chloroethane	ND		2.0	0.64	ug/L			03/23/20 15:39	2
Chloroform	ND		2.0	0.68	ug/L			03/23/20 15:39	2
Chloromethane	ND		2.0	0.70	ug/L			03/23/20 15:39	2
Bromodichloromethane	ND		2.0	0.78	ug/L			03/23/20 15:39	2
Ethylbenzene	ND		2.0	1.5	ug/L			03/23/20 15:39	2
Methylene Chloride	ND		2.0	0.88	ug/L			03/23/20 15:39	2
Tetrachloroethene	ND		2.0	0.72	ug/L			03/23/20 15:39	2
Toluene	ND		2.0	1.0	ug/L			03/23/20 15:39	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			03/23/20 15:39	2
Trichloroethene	ND		2.0	0.92	ug/L			03/23/20 15:39	2
Vinyl chloride	ND		2.0	1.8	ug/L			03/23/20 15:39	2
Xylenes, Total	ND		4.0	1.3	ug/L			03/23/20 15:39	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			03/23/20 15:39	2
Styrene	ND		2.0	1.5	ug/L			03/23/20 15:39	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	113		77 - 120		03/23/20 15:39	2
4-Bromofluorobenzene (Surr)	107		73 - 120		03/23/20 15:39	2
Toluene-d8 (Surr)	97		80 - 120		03/23/20 15:39	2
Dibromofluoromethane (Surr)	107		75 - 123		03/23/20 15:39	2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
bis (2-chloroisopropyl) ether	ND		25	2.6	ug/L		03/24/20 15:36	03/25/20 18:21	5
1,2,4-Trichlorobenzene	ND		50	2.2	ug/L		03/24/20 15:36	03/25/20 18:21	5
2,4,5-Trichlorophenol	2.5	J	25	2.4	ug/L		03/24/20 15:36	03/25/20 18:21	5
1,2-Dichlorobenzene	ND		50	2.0	ug/L		03/24/20 15:36	03/25/20 18:21	5
2,4,6-Trichlorophenol	ND		25	3.1	ug/L		03/24/20 15:36	03/25/20 18:21	5
2,4-Dichlorophenol	ND		25	2.6	ug/L		03/24/20 15:36	03/25/20 18:21	5
2,4-Dimethylphenol	25		25	2.5	ug/L		03/24/20 15:36	03/25/20 18:21	5
1,3-Dichlorobenzene	ND		50	2.4	ug/L		03/24/20 15:36	03/25/20 18:21	5
2,4-Dinitrophenol	ND		50	11	ug/L		03/24/20 15:36	03/25/20 18:21	5
2,4-Dinitrotoluene	ND		25	2.2	ug/L		03/24/20 15:36	03/25/20 18:21	5
1,4-Dichlorobenzene	ND		50	2.3	ug/L		03/24/20 15:36	03/25/20 18:21	5
2,6-Dinitrotoluene	ND		25	2.0	ug/L		03/24/20 15:36	03/25/20 18:21	5
2-Chloronaphthalene	ND		25	2.3	ug/L		03/24/20 15:36	03/25/20 18:21	5
2-Chlorophenol	ND		25	2.7	ug/L		03/24/20 15:36	03/25/20 18:21	5
2-Methylnaphthalene	ND		25	3.0	ug/L		03/24/20 15:36	03/25/20 18:21	5
2-Methylphenol	8.0	J	25	2.0	ug/L		03/24/20 15:36	03/25/20 18:21	5
2-Nitroaniline	ND		50	2.1	ug/L		03/24/20 15:36	03/25/20 18:21	5
2-Nitrophenol	ND		25	2.4	ug/L		03/24/20 15:36	03/25/20 18:21	5
3,3'-Dichlorobenzidine	ND		25	2.0	ug/L		03/24/20 15:36	03/25/20 18:21	5
3-Nitroaniline	ND		50	2.4	ug/L		03/24/20 15:36	03/25/20 18:21	5
4,6-Dinitro-2-methylphenol	ND		50	11	ug/L		03/24/20 15:36	03/25/20 18:21	5

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-167686-1

Client Sample ID: S-3

Lab Sample ID: 480-167686-4

Date Collected: 03/18/20 14:15

Matrix: Water

Date Received: 03/19/20 15:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Bromophenyl phenyl ether	ND		25	2.3	ug/L		03/24/20 15:36	03/25/20 18:21	5
4-Chloro-3-methylphenol	ND		25	2.3	ug/L		03/24/20 15:36	03/25/20 18:21	5
4-Chloroaniline	ND		25	3.0	ug/L		03/24/20 15:36	03/25/20 18:21	5
4-Chlorophenyl phenyl ether	ND		25	1.8	ug/L		03/24/20 15:36	03/25/20 18:21	5
4-Methylphenol	13	J	50	1.8	ug/L		03/24/20 15:36	03/25/20 18:21	5
4-Nitroaniline	ND		50	1.3	ug/L		03/24/20 15:36	03/25/20 18:21	5
4-Nitrophenol	ND		50	7.6	ug/L		03/24/20 15:36	03/25/20 18:21	5
Acenaphthene	ND		25	2.1	ug/L		03/24/20 15:36	03/25/20 18:21	5
Acenaphthylene	ND		25	1.9	ug/L		03/24/20 15:36	03/25/20 18:21	5
Anthracene	ND		25	1.4	ug/L		03/24/20 15:36	03/25/20 18:21	5
Benzo[a]anthracene	ND		25	1.8	ug/L		03/24/20 15:36	03/25/20 18:21	5
Benzo[a]pyrene	ND		25	2.4	ug/L		03/24/20 15:36	03/25/20 18:21	5
Benzo[b]fluoranthene	ND		25	1.7	ug/L		03/24/20 15:36	03/25/20 18:21	5
Benzo[g,h,i]perylene	ND		25	1.8	ug/L		03/24/20 15:36	03/25/20 18:21	5
Benzo[k]fluoranthene	ND		25	3.7	ug/L		03/24/20 15:36	03/25/20 18:21	5
Bis(2-chloroethoxy)methane	ND		25	1.8	ug/L		03/24/20 15:36	03/25/20 18:21	5
Bis(2-chloroethyl)ether	ND		25	2.0	ug/L		03/24/20 15:36	03/25/20 18:21	5
Bis(2-ethylhexyl) phthalate	ND		25	11	ug/L		03/24/20 15:36	03/25/20 18:21	5
Butyl benzyl phthalate	ND		25	5.0	ug/L		03/24/20 15:36	03/25/20 18:21	5
Carbazole	ND		25	1.5	ug/L		03/24/20 15:36	03/25/20 18:21	5
Chrysene	ND		25	1.7	ug/L		03/24/20 15:36	03/25/20 18:21	5
Di-n-butyl phthalate	ND		25	1.6	ug/L		03/24/20 15:36	03/25/20 18:21	5
Di-n-octyl phthalate	ND		25	2.4	ug/L		03/24/20 15:36	03/25/20 18:21	5
Dibenz(a,h)anthracene	ND		25	2.1	ug/L		03/24/20 15:36	03/25/20 18:21	5
Dibenzofuran	ND		50	2.6	ug/L		03/24/20 15:36	03/25/20 18:21	5
Diethyl phthalate	ND		25	1.1	ug/L		03/24/20 15:36	03/25/20 18:21	5
Dimethyl phthalate	ND		25	1.8	ug/L		03/24/20 15:36	03/25/20 18:21	5
Fluoranthene	ND		25	2.0	ug/L		03/24/20 15:36	03/25/20 18:21	5
Fluorene	ND		25	1.8	ug/L		03/24/20 15:36	03/25/20 18:21	5
Hexachlorobenzene	ND		25	2.6	ug/L		03/24/20 15:36	03/25/20 18:21	5
Hexachlorobutadiene	ND		25	3.4	ug/L		03/24/20 15:36	03/25/20 18:21	5
Hexachlorocyclopentadiene	ND		25	3.0	ug/L		03/24/20 15:36	03/25/20 18:21	5
Hexachloroethane	ND		25	3.0	ug/L		03/24/20 15:36	03/25/20 18:21	5
Indeno[1,2,3-cd]pyrene	ND		25	2.4	ug/L		03/24/20 15:36	03/25/20 18:21	5
Isophorone	ND		25	2.2	ug/L		03/24/20 15:36	03/25/20 18:21	5
N-Nitrosodi-n-propylamine	ND		25	2.7	ug/L		03/24/20 15:36	03/25/20 18:21	5
N-Nitrosodiphenylamine	ND		25	2.6	ug/L		03/24/20 15:36	03/25/20 18:21	5
Naphthalene	ND		25	3.8	ug/L		03/24/20 15:36	03/25/20 18:21	5
Nitrobenzene	ND		25	1.5	ug/L		03/24/20 15:36	03/25/20 18:21	5
Pentachlorophenol	ND		50	11	ug/L		03/24/20 15:36	03/25/20 18:21	5
Phenanthrene	ND		25	2.2	ug/L		03/24/20 15:36	03/25/20 18:21	5
Phenol	ND		25	2.0	ug/L		03/24/20 15:36	03/25/20 18:21	5
Pyrene	ND		25	1.7	ug/L		03/24/20 15:36	03/25/20 18:21	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	76		41 - 120	03/24/20 15:36	03/25/20 18:21	5
2-Fluorobiphenyl	91		48 - 120	03/24/20 15:36	03/25/20 18:21	5
2-Fluorophenol	68		35 - 120	03/24/20 15:36	03/25/20 18:21	5
Nitrobenzene-d5	78		46 - 120	03/24/20 15:36	03/25/20 18:21	5
p-Terphenyl-d14	86		60 - 148	03/24/20 15:36	03/25/20 18:21	5

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-167686-1

Client Sample ID: S-3

Lab Sample ID: 480-167686-4

Date Collected: 03/18/20 14:15

Matrix: Water

Date Received: 03/19/20 15:05

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Phenol-d5	47		22 - 120	03/24/20 15:36	03/25/20 18:21	5

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND	* *1	0.050	0.0092	ug/L		03/24/20 09:04	03/24/20 16:36	1
4,4'-DDE	ND		0.050	0.012	ug/L		03/24/20 09:04	03/24/20 16:36	1
4,4'-DDT	0.021	J * *1	0.050	0.011	ug/L		03/24/20 09:04	03/24/20 16:36	1
Aldrin	ND		0.050	0.0081	ug/L		03/24/20 09:04	03/24/20 16:36	1
alpha-BHC	ND		0.050	0.0077	ug/L		03/24/20 09:04	03/24/20 16:36	1
cis-Chlordane	ND		0.050	0.015	ug/L		03/24/20 09:04	03/24/20 16:36	1
beta-BHC	ND		0.050	0.025	ug/L		03/24/20 09:04	03/24/20 16:36	1
delta-BHC	ND		0.050	0.010	ug/L		03/24/20 09:04	03/24/20 16:36	1
Dieldrin	0.011	J	0.050	0.0098	ug/L		03/24/20 09:04	03/24/20 16:36	1
Endosulfan I	0.022	J	0.050	0.011	ug/L		03/24/20 09:04	03/24/20 16:36	1
Endosulfan II	ND		0.050	0.012	ug/L		03/24/20 09:04	03/24/20 16:36	1
Endosulfan sulfate	ND	* *1	0.050	0.016	ug/L		03/24/20 09:04	03/24/20 16:36	1
Endrin	ND		0.050	0.014	ug/L		03/24/20 09:04	03/24/20 16:36	1
Endrin aldehyde	ND	* *1	0.050	0.016	ug/L		03/24/20 09:04	03/24/20 16:36	1
Endrin ketone	ND	*	0.050	0.012	ug/L		03/24/20 09:04	03/24/20 16:36	1
gamma-BHC (Lindane)	0.018	J B	0.050	0.0080	ug/L		03/24/20 09:04	03/24/20 16:36	1
trans-Chlordane	0.011	J	0.050	0.011	ug/L		03/24/20 09:04	03/24/20 16:36	1
Heptachlor	ND		0.050	0.0085	ug/L		03/24/20 09:04	03/24/20 16:36	1
Heptachlor epoxide	ND		0.050	0.0074	ug/L		03/24/20 09:04	03/24/20 16:36	1
Methoxychlor	ND		0.050	0.014	ug/L		03/24/20 09:04	03/24/20 16:36	1
Toxaphene	ND		0.50	0.12	ug/L		03/24/20 09:04	03/24/20 16:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	94		20 - 120	03/24/20 09:04	03/24/20 16:36	1
Tetrachloro-m-xylene	80		44 - 120	03/24/20 09:04	03/24/20 16:36	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		03/25/20 08:43	03/26/20 17:20	1
PCB-1221	ND		0.54	0.19	ug/L		03/25/20 08:43	03/26/20 17:20	1
PCB-1232	ND		0.54	0.19	ug/L		03/25/20 08:43	03/26/20 17:20	1
PCB-1242	0.86		0.54	0.19	ug/L		03/25/20 08:43	03/26/20 17:20	1
PCB-1248	ND		0.54	0.19	ug/L		03/25/20 08:43	03/26/20 17:20	1
PCB-1254	ND		0.54	0.27	ug/L		03/25/20 08:43	03/26/20 17:20	1
PCB-1260	ND		0.54	0.27	ug/L		03/25/20 08:43	03/26/20 17:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	55		19 - 120	03/25/20 08:43	03/26/20 17:20	1
Tetrachloro-m-xylene	95		39 - 121	03/25/20 08:43	03/26/20 17:20	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.15	J	0.20	0.060	mg/L		03/23/20 08:18	03/24/20 18:31	1
Antimony	ND		0.020	0.0068	mg/L		03/23/20 08:18	03/24/20 18:31	1
Arsenic	0.0060	J	0.010	0.0056	mg/L		03/23/20 08:18	03/24/20 18:31	1
Barium	0.039		0.0020	0.00070	mg/L		03/23/20 08:18	03/24/20 18:31	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-167686-1

Client Sample ID: S-3

Lab Sample ID: 480-167686-4

Date Collected: 03/18/20 14:15

Matrix: Water

Date Received: 03/19/20 15:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	ND		0.0020	0.00030	mg/L		03/23/20 08:18	03/24/20 18:31	1
Cadmium	ND		0.0010	0.00050	mg/L		03/23/20 08:18	03/24/20 18:31	1
Calcium	61.2		0.50	0.10	mg/L		03/23/20 08:18	03/24/20 18:31	1
Chromium	ND		0.0040	0.0010	mg/L		03/23/20 08:18	03/24/20 18:31	1
Cobalt	ND		0.0040	0.00063	mg/L		03/23/20 08:18	03/24/20 18:31	1
Copper	ND		0.010	0.0016	mg/L		03/23/20 08:18	03/24/20 18:31	1
Iron	0.029	J	0.050	0.019	mg/L		03/23/20 08:18	03/24/20 18:31	1
Lead	ND		0.0050	0.0030	mg/L		03/23/20 08:18	03/24/20 18:31	1
Magnesium	0.61		0.20	0.043	mg/L		03/23/20 08:18	03/24/20 18:31	1
Manganese	0.00071	J	0.0030	0.00040	mg/L		03/23/20 08:18	03/24/20 18:31	1
Nickel	ND		0.010	0.0013	mg/L		03/23/20 08:18	03/24/20 18:31	1
Potassium	41.6		0.50	0.10	mg/L		03/23/20 08:18	03/24/20 18:31	1
Selenium	ND		0.015	0.0087	mg/L		03/23/20 08:18	03/24/20 18:31	1
Silver	ND		0.0030	0.0017	mg/L		03/23/20 08:18	03/24/20 18:31	1
Sodium	149		1.0	0.32	mg/L		03/23/20 08:18	03/24/20 18:31	1
Thallium	ND		0.020	0.010	mg/L		03/23/20 08:18	03/24/20 18:31	1
Vanadium	0.0035	J	0.0050	0.0015	mg/L		03/23/20 08:18	03/24/20 18:31	1
Zinc	ND		0.010	0.0015	mg/L		03/23/20 08:18	03/24/20 18:31	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		03/23/20 11:46	03/23/20 14:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.055		0.010	0.0050	mg/L		03/23/20 12:15	03/23/20 14:54	1

Client Sample ID: DUP

Lab Sample ID: 480-167686-5

Date Collected: 03/18/20 14:15

Matrix: Water

Date Received: 03/19/20 15:05

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			03/23/20 16:04	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			03/23/20 16:04	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			03/23/20 16:04	2
1,1-Dichloroethane	1.5	J	2.0	0.76	ug/L			03/23/20 16:04	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			03/23/20 16:04	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			03/23/20 16:04	2
1,2-Dichloroethene, Total	ND		4.0	1.6	ug/L			03/23/20 16:04	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			03/23/20 16:04	2
2-Butanone (MEK)	ND		20	2.6	ug/L			03/23/20 16:04	2
2-Hexanone	ND		10	2.5	ug/L			03/23/20 16:04	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			03/23/20 16:04	2
Acetone	ND		20	6.0	ug/L			03/23/20 16:04	2
Benzene	ND		2.0	0.82	ug/L			03/23/20 16:04	2
Bromoform	ND	*	2.0	0.52	ug/L			03/23/20 16:04	2
Bromomethane	ND		2.0	1.4	ug/L			03/23/20 16:04	2
Carbon disulfide	ND		2.0	0.38	ug/L			03/23/20 16:04	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			03/23/20 16:04	2

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-167686-1

Client Sample ID: DUP

Lab Sample ID: 480-167686-5

Date Collected: 03/18/20 14:15

Matrix: Water

Date Received: 03/19/20 15:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	ND		2.0	1.5	ug/L			03/23/20 16:04	2
Dibromochloromethane	ND	*	2.0	0.64	ug/L			03/23/20 16:04	2
Chloroethane	ND		2.0	0.64	ug/L			03/23/20 16:04	2
Chloroform	ND		2.0	0.68	ug/L			03/23/20 16:04	2
Chloromethane	ND		2.0	0.70	ug/L			03/23/20 16:04	2
Bromodichloromethane	ND		2.0	0.78	ug/L			03/23/20 16:04	2
Ethylbenzene	ND		2.0	1.5	ug/L			03/23/20 16:04	2
Methylene Chloride	ND		2.0	0.88	ug/L			03/23/20 16:04	2
Tetrachloroethene	ND		2.0	0.72	ug/L			03/23/20 16:04	2
Toluene	ND		2.0	1.0	ug/L			03/23/20 16:04	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			03/23/20 16:04	2
Trichloroethene	ND		2.0	0.92	ug/L			03/23/20 16:04	2
Vinyl chloride	ND		2.0	1.8	ug/L			03/23/20 16:04	2
Xylenes, Total	ND		4.0	1.3	ug/L			03/23/20 16:04	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			03/23/20 16:04	2
Styrene	ND		2.0	1.5	ug/L			03/23/20 16:04	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		77 - 120		03/23/20 16:04	2
4-Bromofluorobenzene (Surr)	111		73 - 120		03/23/20 16:04	2
Toluene-d8 (Surr)	100		80 - 120		03/23/20 16:04	2
Dibromofluoromethane (Surr)	105		75 - 123		03/23/20 16:04	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		03/24/20 15:36	03/25/20 18:50	1
1,2,4-Trichlorobenzene	ND		10	0.44	ug/L		03/24/20 15:36	03/25/20 18:50	1
2,4,5-Trichlorophenol	0.97	J	5.0	0.48	ug/L		03/24/20 15:36	03/25/20 18:50	1
1,2-Dichlorobenzene	ND		10	0.40	ug/L		03/24/20 15:36	03/25/20 18:50	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		03/24/20 15:36	03/25/20 18:50	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		03/24/20 15:36	03/25/20 18:50	1
2,4-Dimethylphenol	27		5.0	0.50	ug/L		03/24/20 15:36	03/25/20 18:50	1
1,3-Dichlorobenzene	ND		10	0.48	ug/L		03/24/20 15:36	03/25/20 18:50	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		03/24/20 15:36	03/25/20 18:50	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		03/24/20 15:36	03/25/20 18:50	1
1,4-Dichlorobenzene	ND		10	0.46	ug/L		03/24/20 15:36	03/25/20 18:50	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		03/24/20 15:36	03/25/20 18:50	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		03/24/20 15:36	03/25/20 18:50	1
2-Chlorophenol	ND		5.0	0.53	ug/L		03/24/20 15:36	03/25/20 18:50	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		03/24/20 15:36	03/25/20 18:50	1
2-Methylphenol	9.1		5.0	0.40	ug/L		03/24/20 15:36	03/25/20 18:50	1
2-Nitroaniline	ND		10	0.42	ug/L		03/24/20 15:36	03/25/20 18:50	1
2-Nitrophenol	ND		5.0	0.48	ug/L		03/24/20 15:36	03/25/20 18:50	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		03/24/20 15:36	03/25/20 18:50	1
3-Nitroaniline	ND		10	0.48	ug/L		03/24/20 15:36	03/25/20 18:50	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		03/24/20 15:36	03/25/20 18:50	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		03/24/20 15:36	03/25/20 18:50	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		03/24/20 15:36	03/25/20 18:50	1
4-Chloroaniline	ND		5.0	0.59	ug/L		03/24/20 15:36	03/25/20 18:50	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		03/24/20 15:36	03/25/20 18:50	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-167686-1

Client Sample ID: DUP

Lab Sample ID: 480-167686-5

Date Collected: 03/18/20 14:15

Matrix: Water

Date Received: 03/19/20 15:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methylphenol	15		10	0.36	ug/L		03/24/20 15:36	03/25/20 18:50	1
4-Nitroaniline	ND		10	0.25	ug/L		03/24/20 15:36	03/25/20 18:50	1
4-Nitrophenol	ND		10	1.5	ug/L		03/24/20 15:36	03/25/20 18:50	1
Acenaphthene	0.42	J	5.0	0.41	ug/L		03/24/20 15:36	03/25/20 18:50	1
Acenaphthylene	ND		5.0	0.38	ug/L		03/24/20 15:36	03/25/20 18:50	1
Anthracene	ND		5.0	0.28	ug/L		03/24/20 15:36	03/25/20 18:50	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		03/24/20 15:36	03/25/20 18:50	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		03/24/20 15:36	03/25/20 18:50	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		03/24/20 15:36	03/25/20 18:50	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		03/24/20 15:36	03/25/20 18:50	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		03/24/20 15:36	03/25/20 18:50	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		03/24/20 15:36	03/25/20 18:50	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		03/24/20 15:36	03/25/20 18:50	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		03/24/20 15:36	03/25/20 18:50	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		03/24/20 15:36	03/25/20 18:50	1
Carbazole	ND		5.0	0.30	ug/L		03/24/20 15:36	03/25/20 18:50	1
Chrysene	ND		5.0	0.33	ug/L		03/24/20 15:36	03/25/20 18:50	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		03/24/20 15:36	03/25/20 18:50	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		03/24/20 15:36	03/25/20 18:50	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		03/24/20 15:36	03/25/20 18:50	1
Dibenzofuran	ND		10	0.51	ug/L		03/24/20 15:36	03/25/20 18:50	1
Diethyl phthalate	ND		5.0	0.22	ug/L		03/24/20 15:36	03/25/20 18:50	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		03/24/20 15:36	03/25/20 18:50	1
Fluoranthene	ND		5.0	0.40	ug/L		03/24/20 15:36	03/25/20 18:50	1
Fluorene	0.37	J	5.0	0.36	ug/L		03/24/20 15:36	03/25/20 18:50	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		03/24/20 15:36	03/25/20 18:50	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		03/24/20 15:36	03/25/20 18:50	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		03/24/20 15:36	03/25/20 18:50	1
Hexachloroethane	ND		5.0	0.59	ug/L		03/24/20 15:36	03/25/20 18:50	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		03/24/20 15:36	03/25/20 18:50	1
Isophorone	ND		5.0	0.43	ug/L		03/24/20 15:36	03/25/20 18:50	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		03/24/20 15:36	03/25/20 18:50	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		03/24/20 15:36	03/25/20 18:50	1
Naphthalene	2.6	J	5.0	0.76	ug/L		03/24/20 15:36	03/25/20 18:50	1
Nitrobenzene	ND		5.0	0.29	ug/L		03/24/20 15:36	03/25/20 18:50	1
Pentachlorophenol	ND		10	2.2	ug/L		03/24/20 15:36	03/25/20 18:50	1
Phenanthrene	0.59	J	5.0	0.44	ug/L		03/24/20 15:36	03/25/20 18:50	1
Phenol	ND		5.0	0.39	ug/L		03/24/20 15:36	03/25/20 18:50	1
Pyrene	ND		5.0	0.34	ug/L		03/24/20 15:36	03/25/20 18:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	88		41 - 120				03/24/20 15:36	03/25/20 18:50	1
2-Fluorobiphenyl	90		48 - 120				03/24/20 15:36	03/25/20 18:50	1
2-Fluorophenol	73		35 - 120				03/24/20 15:36	03/25/20 18:50	1
Nitrobenzene-d5	83		46 - 120				03/24/20 15:36	03/25/20 18:50	1
p-Terphenyl-d14	86		60 - 148				03/24/20 15:36	03/25/20 18:50	1
Phenol-d5	57		22 - 120				03/24/20 15:36	03/25/20 18:50	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-167686-1

Client Sample ID: DUP

Lab Sample ID: 480-167686-5

Date Collected: 03/18/20 14:15

Matrix: Water

Date Received: 03/19/20 15:05

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND	* *1	0.052	0.0096	ug/L		03/24/20 09:04	03/24/20 16:55	1
4,4'-DDE	ND		0.052	0.012	ug/L		03/24/20 09:04	03/24/20 16:55	1
4,4'-DDT	0.016	J * *1	0.052	0.011	ug/L		03/24/20 09:04	03/24/20 16:55	1
Aldrin	ND		0.052	0.0084	ug/L		03/24/20 09:04	03/24/20 16:55	1
alpha-BHC	0.015	J	0.052	0.0080	ug/L		03/24/20 09:04	03/24/20 16:55	1
cis-Chlordane	ND		0.052	0.015	ug/L		03/24/20 09:04	03/24/20 16:55	1
beta-BHC	ND		0.052	0.026	ug/L		03/24/20 09:04	03/24/20 16:55	1
delta-BHC	ND		0.052	0.010	ug/L		03/24/20 09:04	03/24/20 16:55	1
Dieldrin	ND		0.052	0.010	ug/L		03/24/20 09:04	03/24/20 16:55	1
Endosulfan I	0.020	J	0.052	0.011	ug/L		03/24/20 09:04	03/24/20 16:55	1
Endosulfan II	ND		0.052	0.013	ug/L		03/24/20 09:04	03/24/20 16:55	1
Endosulfan sulfate	ND	* *1	0.052	0.016	ug/L		03/24/20 09:04	03/24/20 16:55	1
Endrin	ND		0.052	0.014	ug/L		03/24/20 09:04	03/24/20 16:55	1
Endrin aldehyde	ND	* *1	0.052	0.017	ug/L		03/24/20 09:04	03/24/20 16:55	1
Endrin ketone	ND	*	0.052	0.013	ug/L		03/24/20 09:04	03/24/20 16:55	1
gamma-BHC (Lindane)	0.018	J B	0.052	0.0083	ug/L		03/24/20 09:04	03/24/20 16:55	1
trans-Chlordane	ND		0.052	0.011	ug/L		03/24/20 09:04	03/24/20 16:55	1
Heptachlor	ND		0.052	0.0089	ug/L		03/24/20 09:04	03/24/20 16:55	1
Heptachlor epoxide	ND		0.052	0.0077	ug/L		03/24/20 09:04	03/24/20 16:55	1
Methoxychlor	ND		0.052	0.015	ug/L		03/24/20 09:04	03/24/20 16:55	1
Toxaphene	ND		0.52	0.13	ug/L		03/24/20 09:04	03/24/20 16:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	94		20 - 120	03/24/20 09:04	03/24/20 16:55	1
Tetrachloro-m-xylene	82		44 - 120	03/24/20 09:04	03/24/20 16:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		03/25/20 08:43	03/26/20 17:33	1
PCB-1221	ND		0.50	0.18	ug/L		03/25/20 08:43	03/26/20 17:33	1
PCB-1232	ND		0.50	0.18	ug/L		03/25/20 08:43	03/26/20 17:33	1
PCB-1242	0.93		0.50	0.18	ug/L		03/25/20 08:43	03/26/20 17:33	1
PCB-1248	ND		0.50	0.18	ug/L		03/25/20 08:43	03/26/20 17:33	1
PCB-1254	ND		0.50	0.25	ug/L		03/25/20 08:43	03/26/20 17:33	1
PCB-1260	ND		0.50	0.25	ug/L		03/25/20 08:43	03/26/20 17:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	50		19 - 120	03/25/20 08:43	03/26/20 17:33	1
Tetrachloro-m-xylene	91		39 - 121	03/25/20 08:43	03/26/20 17:33	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.19	J	0.20	0.060	mg/L		03/23/20 08:18	03/24/20 18:35	1
Antimony	ND		0.020	0.0068	mg/L		03/23/20 08:18	03/24/20 18:35	1
Arsenic	ND		0.010	0.0056	mg/L		03/23/20 08:18	03/24/20 18:35	1
Barium	0.038		0.0020	0.00070	mg/L		03/23/20 08:18	03/24/20 18:35	1
Beryllium	ND		0.0020	0.00030	mg/L		03/23/20 08:18	03/24/20 18:35	1
Cadmium	ND		0.0010	0.00050	mg/L		03/23/20 08:18	03/24/20 18:35	1
Calcium	60.5		0.50	0.10	mg/L		03/23/20 08:18	03/24/20 18:35	1
Chromium	ND		0.0040	0.0010	mg/L		03/23/20 08:18	03/24/20 18:35	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-167686-1

Client Sample ID: DUP

Lab Sample ID: 480-167686-5

Date Collected: 03/18/20 14:15

Matrix: Water

Date Received: 03/19/20 15:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	ND		0.0040	0.00063	mg/L		03/23/20 08:18	03/24/20 18:35	1
Copper	0.0022	J	0.010	0.0016	mg/L		03/23/20 08:18	03/24/20 18:35	1
Iron	0.032	J	0.050	0.019	mg/L		03/23/20 08:18	03/24/20 18:35	1
Lead	ND		0.0050	0.0030	mg/L		03/23/20 08:18	03/24/20 18:35	1
Magnesium	0.60		0.20	0.043	mg/L		03/23/20 08:18	03/24/20 18:35	1
Manganese	0.00070	J	0.0030	0.00040	mg/L		03/23/20 08:18	03/24/20 18:35	1
Nickel	ND		0.010	0.0013	mg/L		03/23/20 08:18	03/24/20 18:35	1
Potassium	41.0		0.50	0.10	mg/L		03/23/20 08:18	03/24/20 18:35	1
Selenium	ND		0.015	0.0087	mg/L		03/23/20 08:18	03/24/20 18:35	1
Silver	ND		0.0030	0.0017	mg/L		03/23/20 08:18	03/24/20 18:35	1
Sodium	147		1.0	0.32	mg/L		03/23/20 08:18	03/24/20 18:35	1
Thallium	ND		0.020	0.010	mg/L		03/23/20 08:18	03/24/20 18:35	1
Vanadium	0.0033	J	0.0050	0.0015	mg/L		03/23/20 08:18	03/24/20 18:35	1
Zinc	0.0016	J B	0.010	0.0015	mg/L		03/23/20 08:18	03/24/20 18:35	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		03/23/20 11:46	03/23/20 14:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.052		0.010	0.0050	mg/L		03/23/20 12:15	03/23/20 14:55	1

Client Sample ID: RW-4

Lab Sample ID: 480-167686-6

Date Collected: 03/19/20 11:45

Matrix: Water

Date Received: 03/19/20 15:05

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			03/23/20 16:28	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			03/23/20 16:28	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			03/23/20 16:28	2
1,1-Dichloroethane	ND		2.0	0.76	ug/L			03/23/20 16:28	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			03/23/20 16:28	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			03/23/20 16:28	2
1,2-Dichloroethene, Total	ND		4.0	1.6	ug/L			03/23/20 16:28	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			03/23/20 16:28	2
2-Butanone (MEK)	ND		20	2.6	ug/L			03/23/20 16:28	2
2-Hexanone	ND		10	2.5	ug/L			03/23/20 16:28	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			03/23/20 16:28	2
Acetone	ND		20	6.0	ug/L			03/23/20 16:28	2
Benzene	11		2.0	0.82	ug/L			03/23/20 16:28	2
Bromoform	ND	*	2.0	0.52	ug/L			03/23/20 16:28	2
Bromomethane	ND		2.0	1.4	ug/L			03/23/20 16:28	2
Carbon disulfide	ND		2.0	0.38	ug/L			03/23/20 16:28	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			03/23/20 16:28	2
Chlorobenzene	ND		2.0	1.5	ug/L			03/23/20 16:28	2
Dibromochloromethane	ND	*	2.0	0.64	ug/L			03/23/20 16:28	2
Chloroethane	ND		2.0	0.64	ug/L			03/23/20 16:28	2
Chloroform	ND		2.0	0.68	ug/L			03/23/20 16:28	2

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-167686-1

Client Sample ID: RW-4

Lab Sample ID: 480-167686-6

Date Collected: 03/19/20 11:45

Matrix: Water

Date Received: 03/19/20 15:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		2.0	0.70	ug/L			03/23/20 16:28	2
Bromodichloromethane	ND		2.0	0.78	ug/L			03/23/20 16:28	2
Ethylbenzene	4.5		2.0	1.5	ug/L			03/23/20 16:28	2
Methylene Chloride	ND		2.0	0.88	ug/L			03/23/20 16:28	2
Tetrachloroethene	ND		2.0	0.72	ug/L			03/23/20 16:28	2
Toluene	ND		2.0	1.0	ug/L			03/23/20 16:28	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			03/23/20 16:28	2
Trichloroethene	ND		2.0	0.92	ug/L			03/23/20 16:28	2
Vinyl chloride	ND		2.0	1.8	ug/L			03/23/20 16:28	2
Xylenes, Total	5.7		4.0	1.3	ug/L			03/23/20 16:28	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			03/23/20 16:28	2
Styrene	ND		2.0	1.5	ug/L			03/23/20 16:28	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		77 - 120		03/23/20 16:28	2
4-Bromofluorobenzene (Surr)	112		73 - 120		03/23/20 16:28	2
Toluene-d8 (Surr)	102		80 - 120		03/23/20 16:28	2
Dibromofluoromethane (Surr)	105		75 - 123		03/23/20 16:28	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		03/24/20 15:36	03/25/20 19:19	1
1,2,4-Trichlorobenzene	ND		10	0.44	ug/L		03/24/20 15:36	03/25/20 19:19	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		03/24/20 15:36	03/25/20 19:19	1
1,2-Dichlorobenzene	ND		10	0.40	ug/L		03/24/20 15:36	03/25/20 19:19	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		03/24/20 15:36	03/25/20 19:19	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		03/24/20 15:36	03/25/20 19:19	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		03/24/20 15:36	03/25/20 19:19	1
1,3-Dichlorobenzene	ND		10	0.48	ug/L		03/24/20 15:36	03/25/20 19:19	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		03/24/20 15:36	03/25/20 19:19	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		03/24/20 15:36	03/25/20 19:19	1
1,4-Dichlorobenzene	ND		10	0.46	ug/L		03/24/20 15:36	03/25/20 19:19	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		03/24/20 15:36	03/25/20 19:19	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		03/24/20 15:36	03/25/20 19:19	1
2-Chlorophenol	ND		5.0	0.53	ug/L		03/24/20 15:36	03/25/20 19:19	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		03/24/20 15:36	03/25/20 19:19	1
2-Methylphenol	ND		5.0	0.40	ug/L		03/24/20 15:36	03/25/20 19:19	1
2-Nitroaniline	ND		10	0.42	ug/L		03/24/20 15:36	03/25/20 19:19	1
2-Nitrophenol	ND		5.0	0.48	ug/L		03/24/20 15:36	03/25/20 19:19	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		03/24/20 15:36	03/25/20 19:19	1
3-Nitroaniline	ND		10	0.48	ug/L		03/24/20 15:36	03/25/20 19:19	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		03/24/20 15:36	03/25/20 19:19	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		03/24/20 15:36	03/25/20 19:19	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		03/24/20 15:36	03/25/20 19:19	1
4-Chloroaniline	ND		5.0	0.59	ug/L		03/24/20 15:36	03/25/20 19:19	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		03/24/20 15:36	03/25/20 19:19	1
4-Methylphenol	ND		10	0.36	ug/L		03/24/20 15:36	03/25/20 19:19	1
4-Nitroaniline	ND		10	0.25	ug/L		03/24/20 15:36	03/25/20 19:19	1
4-Nitrophenol	ND		10	1.5	ug/L		03/24/20 15:36	03/25/20 19:19	1
Acenaphthene	ND		5.0	0.41	ug/L		03/24/20 15:36	03/25/20 19:19	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-167686-1

Client Sample ID: RW-4

Lab Sample ID: 480-167686-6

Date Collected: 03/19/20 11:45

Matrix: Water

Date Received: 03/19/20 15:05

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		03/24/20 15:36	03/25/20 19:19	1
Anthracene	ND		5.0	0.28	ug/L		03/24/20 15:36	03/25/20 19:19	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		03/24/20 15:36	03/25/20 19:19	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		03/24/20 15:36	03/25/20 19:19	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		03/24/20 15:36	03/25/20 19:19	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		03/24/20 15:36	03/25/20 19:19	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		03/24/20 15:36	03/25/20 19:19	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		03/24/20 15:36	03/25/20 19:19	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		03/24/20 15:36	03/25/20 19:19	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		03/24/20 15:36	03/25/20 19:19	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		03/24/20 15:36	03/25/20 19:19	1
Carbazole	ND		5.0	0.30	ug/L		03/24/20 15:36	03/25/20 19:19	1
Chrysene	ND		5.0	0.33	ug/L		03/24/20 15:36	03/25/20 19:19	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		03/24/20 15:36	03/25/20 19:19	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		03/24/20 15:36	03/25/20 19:19	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		03/24/20 15:36	03/25/20 19:19	1
Dibenzofuran	ND		10	0.51	ug/L		03/24/20 15:36	03/25/20 19:19	1
Diethyl phthalate	0.31	J	5.0	0.22	ug/L		03/24/20 15:36	03/25/20 19:19	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		03/24/20 15:36	03/25/20 19:19	1
Fluoranthene	ND		5.0	0.40	ug/L		03/24/20 15:36	03/25/20 19:19	1
Fluorene	ND		5.0	0.36	ug/L		03/24/20 15:36	03/25/20 19:19	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		03/24/20 15:36	03/25/20 19:19	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		03/24/20 15:36	03/25/20 19:19	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		03/24/20 15:36	03/25/20 19:19	1
Hexachloroethane	ND		5.0	0.59	ug/L		03/24/20 15:36	03/25/20 19:19	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		03/24/20 15:36	03/25/20 19:19	1
Isophorone	ND		5.0	0.43	ug/L		03/24/20 15:36	03/25/20 19:19	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		03/24/20 15:36	03/25/20 19:19	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		03/24/20 15:36	03/25/20 19:19	1
Naphthalene	18		5.0	0.76	ug/L		03/24/20 15:36	03/25/20 19:19	1
Nitrobenzene	ND		5.0	0.29	ug/L		03/24/20 15:36	03/25/20 19:19	1
Pentachlorophenol	ND		10	2.2	ug/L		03/24/20 15:36	03/25/20 19:19	1
Phenanthrene	ND		5.0	0.44	ug/L		03/24/20 15:36	03/25/20 19:19	1
Phenol	ND		5.0	0.39	ug/L		03/24/20 15:36	03/25/20 19:19	1
Pyrene	ND		5.0	0.34	ug/L		03/24/20 15:36	03/25/20 19:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	93		41 - 120	03/24/20 15:36	03/25/20 19:19	1
2-Fluorobiphenyl	91		48 - 120	03/24/20 15:36	03/25/20 19:19	1
2-Fluorophenol	70		35 - 120	03/24/20 15:36	03/25/20 19:19	1
Nitrobenzene-d5	85		46 - 120	03/24/20 15:36	03/25/20 19:19	1
p-Terphenyl-d14	87		60 - 148	03/24/20 15:36	03/25/20 19:19	1
Phenol-d5	53		22 - 120	03/24/20 15:36	03/25/20 19:19	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		03/25/20 08:43	03/26/20 19:02	1
PCB-1221	ND		0.50	0.18	ug/L		03/25/20 08:43	03/26/20 19:02	1
PCB-1232	ND		0.50	0.18	ug/L		03/25/20 08:43	03/26/20 19:02	1
PCB-1242	ND		0.50	0.18	ug/L		03/25/20 08:43	03/26/20 19:02	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-167686-1

Client Sample ID: RW-4

Lab Sample ID: 480-167686-6

Date Collected: 03/19/20 11:45

Matrix: Water

Date Received: 03/19/20 15:05

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		03/25/20 08:43	03/26/20 19:02	1
PCB-1254	ND		0.50	0.25	ug/L		03/25/20 08:43	03/26/20 19:02	1
PCB-1260	ND		0.50	0.25	ug/L		03/25/20 08:43	03/26/20 19:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	45		19 - 120				03/25/20 08:43	03/26/20 19:02	1
Tetrachloro-m-xylene	107		39 - 121				03/25/20 08:43	03/26/20 19:02	1

Client Sample ID: RW-5

Lab Sample ID: 480-167686-7

Date Collected: 03/19/20 13:55

Matrix: Water

Date Received: 03/19/20 15:05

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			03/23/20 16:52	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/23/20 16:52	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/23/20 16:52	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/23/20 16:52	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/23/20 16:52	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/23/20 16:52	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			03/23/20 16:52	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/23/20 16:52	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/23/20 16:52	1
2-Hexanone	ND		5.0	1.2	ug/L			03/23/20 16:52	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/23/20 16:52	1
Acetone	ND		10	3.0	ug/L			03/23/20 16:52	1
Benzene	ND		1.0	0.41	ug/L			03/23/20 16:52	1
Bromoform	ND *		1.0	0.26	ug/L			03/23/20 16:52	1
Bromomethane	ND		1.0	0.69	ug/L			03/23/20 16:52	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/23/20 16:52	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/23/20 16:52	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/23/20 16:52	1
Dibromochloromethane	ND *		1.0	0.32	ug/L			03/23/20 16:52	1
Chloroethane	ND		1.0	0.32	ug/L			03/23/20 16:52	1
Chloroform	ND		1.0	0.34	ug/L			03/23/20 16:52	1
Chloromethane	ND		1.0	0.35	ug/L			03/23/20 16:52	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/23/20 16:52	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/23/20 16:52	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/23/20 16:52	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/23/20 16:52	1
Toluene	ND		1.0	0.51	ug/L			03/23/20 16:52	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/23/20 16:52	1
Trichloroethene	ND		1.0	0.46	ug/L			03/23/20 16:52	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/23/20 16:52	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/23/20 16:52	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/23/20 16:52	1
Styrene	ND		1.0	0.73	ug/L			03/23/20 16:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		77 - 120					03/23/20 16:52	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-167686-1

Client Sample ID: RW-5

Lab Sample ID: 480-167686-7

Date Collected: 03/19/20 13:55

Matrix: Water

Date Received: 03/19/20 15:05

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		73 - 120		03/23/20 16:52	1
Toluene-d8 (Surr)	101		80 - 120		03/23/20 16:52	1
Dibromofluoromethane (Surr)	105		75 - 123		03/23/20 16:52	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		03/24/20 15:36	03/25/20 19:48	1
1,2,4-Trichlorobenzene	ND		10	0.44	ug/L		03/24/20 15:36	03/25/20 19:48	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		03/24/20 15:36	03/25/20 19:48	1
1,2-Dichlorobenzene	ND		10	0.40	ug/L		03/24/20 15:36	03/25/20 19:48	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		03/24/20 15:36	03/25/20 19:48	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		03/24/20 15:36	03/25/20 19:48	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		03/24/20 15:36	03/25/20 19:48	1
1,3-Dichlorobenzene	ND		10	0.48	ug/L		03/24/20 15:36	03/25/20 19:48	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		03/24/20 15:36	03/25/20 19:48	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		03/24/20 15:36	03/25/20 19:48	1
1,4-Dichlorobenzene	ND		10	0.46	ug/L		03/24/20 15:36	03/25/20 19:48	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		03/24/20 15:36	03/25/20 19:48	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		03/24/20 15:36	03/25/20 19:48	1
2-Chlorophenol	ND		5.0	0.53	ug/L		03/24/20 15:36	03/25/20 19:48	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		03/24/20 15:36	03/25/20 19:48	1
2-Methylphenol	ND		5.0	0.40	ug/L		03/24/20 15:36	03/25/20 19:48	1
2-Nitroaniline	ND		10	0.42	ug/L		03/24/20 15:36	03/25/20 19:48	1
2-Nitrophenol	ND		5.0	0.48	ug/L		03/24/20 15:36	03/25/20 19:48	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		03/24/20 15:36	03/25/20 19:48	1
3-Nitroaniline	ND		10	0.48	ug/L		03/24/20 15:36	03/25/20 19:48	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		03/24/20 15:36	03/25/20 19:48	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		03/24/20 15:36	03/25/20 19:48	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		03/24/20 15:36	03/25/20 19:48	1
4-Chloroaniline	ND		5.0	0.59	ug/L		03/24/20 15:36	03/25/20 19:48	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		03/24/20 15:36	03/25/20 19:48	1
4-Methylphenol	ND		10	0.36	ug/L		03/24/20 15:36	03/25/20 19:48	1
4-Nitroaniline	ND		10	0.25	ug/L		03/24/20 15:36	03/25/20 19:48	1
4-Nitrophenol	ND		10	1.5	ug/L		03/24/20 15:36	03/25/20 19:48	1
Acenaphthene	ND		5.0	0.41	ug/L		03/24/20 15:36	03/25/20 19:48	1
Acenaphthylene	ND		5.0	0.38	ug/L		03/24/20 15:36	03/25/20 19:48	1
Anthracene	ND		5.0	0.28	ug/L		03/24/20 15:36	03/25/20 19:48	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		03/24/20 15:36	03/25/20 19:48	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		03/24/20 15:36	03/25/20 19:48	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		03/24/20 15:36	03/25/20 19:48	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		03/24/20 15:36	03/25/20 19:48	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		03/24/20 15:36	03/25/20 19:48	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		03/24/20 15:36	03/25/20 19:48	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		03/24/20 15:36	03/25/20 19:48	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		03/24/20 15:36	03/25/20 19:48	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		03/24/20 15:36	03/25/20 19:48	1
Carbazole	ND		5.0	0.30	ug/L		03/24/20 15:36	03/25/20 19:48	1
Chrysene	ND		5.0	0.33	ug/L		03/24/20 15:36	03/25/20 19:48	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		03/24/20 15:36	03/25/20 19:48	1

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Client Sample Results

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

Job ID: 480-167686-1

Client Sample ID: RW-5

Lab Sample ID: 480-167686-7

Date Collected: 03/19/20 13:55

Matrix: Water

Date Received: 03/19/20 15:05

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		03/24/20 15:36	03/25/20 19:48	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		03/24/20 15:36	03/25/20 19:48	1
Dibenzofuran	ND		10	0.51	ug/L		03/24/20 15:36	03/25/20 19:48	1
Diethyl phthalate	ND		5.0	0.22	ug/L		03/24/20 15:36	03/25/20 19:48	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		03/24/20 15:36	03/25/20 19:48	1
Fluoranthene	ND		5.0	0.40	ug/L		03/24/20 15:36	03/25/20 19:48	1
Fluorene	ND		5.0	0.36	ug/L		03/24/20 15:36	03/25/20 19:48	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		03/24/20 15:36	03/25/20 19:48	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		03/24/20 15:36	03/25/20 19:48	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		03/24/20 15:36	03/25/20 19:48	1
Hexachloroethane	ND		5.0	0.59	ug/L		03/24/20 15:36	03/25/20 19:48	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		03/24/20 15:36	03/25/20 19:48	1
Isophorone	ND		5.0	0.43	ug/L		03/24/20 15:36	03/25/20 19:48	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		03/24/20 15:36	03/25/20 19:48	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		03/24/20 15:36	03/25/20 19:48	1
Naphthalene	ND		5.0	0.76	ug/L		03/24/20 15:36	03/25/20 19:48	1
Nitrobenzene	ND		5.0	0.29	ug/L		03/24/20 15:36	03/25/20 19:48	1
Pentachlorophenol	ND		10	2.2	ug/L		03/24/20 15:36	03/25/20 19:48	1
Phenanthrene	ND		5.0	0.44	ug/L		03/24/20 15:36	03/25/20 19:48	1
Phenol	ND		5.0	0.39	ug/L		03/24/20 15:36	03/25/20 19:48	1
Pyrene	ND		5.0	0.34	ug/L		03/24/20 15:36	03/25/20 19:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	78		41 - 120	03/24/20 15:36	03/25/20 19:48	1
2-Fluorobiphenyl	93		48 - 120	03/24/20 15:36	03/25/20 19:48	1
2-Fluorophenol	68		35 - 120	03/24/20 15:36	03/25/20 19:48	1
Nitrobenzene-d5	88		46 - 120	03/24/20 15:36	03/25/20 19:48	1
p-Terphenyl-d14	76		60 - 148	03/24/20 15:36	03/25/20 19:48	1
Phenol-d5	51		22 - 120	03/24/20 15:36	03/25/20 19:48	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		03/25/20 08:43	03/26/20 19:15	1
PCB-1221	ND		0.50	0.18	ug/L		03/25/20 08:43	03/26/20 19:15	1
PCB-1232	ND		0.50	0.18	ug/L		03/25/20 08:43	03/26/20 19:15	1
PCB-1242	ND		0.50	0.18	ug/L		03/25/20 08:43	03/26/20 19:15	1
PCB-1248	ND		0.50	0.18	ug/L		03/25/20 08:43	03/26/20 19:15	1
PCB-1254	ND		0.50	0.25	ug/L		03/25/20 08:43	03/26/20 19:15	1
PCB-1260	ND		0.50	0.25	ug/L		03/25/20 08:43	03/26/20 19:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	45		19 - 120	03/25/20 08:43	03/26/20 19:15	1
Tetrachloro-m-xylene	92		39 - 121	03/25/20 08:43	03/26/20 19:15	1

Surrogate Summary

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

Job ID: 480-167686-1

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)			
		DCA (77-120)	BFB (73-120)	TOL (80-120)	DBFM (75-123)
480-167686-1	S-4	112	108	97	108
480-167686-2	S-1	115	107	100	110
480-167686-3	S-2	99	105	102	97
480-167686-4	S-3	113	107	97	107
480-167686-5	DUP	110	111	100	105
480-167686-6	RW-4	111	112	102	105
480-167686-7	RW-5	111	114	101	105
LCS 480-522544/9	Lab Control Sample	105	112	103	103
LCS 480-522901/5	Lab Control Sample	92	105	100	99
MB 480-522544/7	Method Blank	111	111	101	101
MB 480-522901/7	Method Blank	96	105	102	96

Surrogate Legend

DCA = 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)	TPHd14 (60-148)	PHL (22-120)
480-167686-1	S-4	87	98	77	90	94	52
480-167686-2	S-1	84	91	73	86	77	56
480-167686-3	S-2	93	93	74	87	93	54
480-167686-4	S-3	76	91	68	78	86	47
480-167686-5	DUP	88	90	73	83	86	57
480-167686-6	RW-4	93	91	70	85	87	53
480-167686-7	RW-5	78	93	68	88	76	51
LCS 480-522863/2-A	Lab Control Sample	91	89	72	89	99	61
LCSD 480-522863/3-A	Lab Control Sample Dup	89	86	72	91	93	59
MB 480-522863/1-A	Method Blank	63	84	62	81	94	48

Surrogate Legend

TBP = 2,4,6-Tribromophenol
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol
NBZ = Nitrobenzene-d5
TPHd14 = p-Terphenyl-d14
PHL = Phenol-d5

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		DCBP2 (20-120)	TCX2 (44-120)
480-167686-1	S-4	90	80
480-167686-2	S-1	70	80

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Surrogate Summary

Client: Groundwater & Environmental Services Inc

Job ID: 480-167686-1

Project/Site: Cherry Farms Annual GW Sample

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	DCBP2 (20-120)	TCX2 (44-120)
480-167686-3	S-2	101	68
480-167686-4	S-3	94	80
480-167686-5	DUP	94	82
LCS 480-522762/2-A	Lab Control Sample	77	67
LCSD 480-522762/3-A	Lab Control Sample Dup	74	69
MB 480-522762/1-A	Method Blank	100	77
Surrogate Legend			
DCBP = 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	DCBP2 (19-120)	TCX2 (39-121)
480-167686-1	S-4	43	129 X
480-167686-2	S-1	46	93
480-167686-3	S-2	55	93
480-167686-4	S-3	55	95
480-167686-5	DUP	50	91
480-167686-6	RW-4	45	107
480-167686-7	RW-5	45	92
LCS 480-522939/2-A	Lab Control Sample	40	91
MB 480-522939/1-A	Method Blank	60	93
Surrogate Legend			
DCBP = DCB Decachlorobiphenyl			
TCX = Tetrachloro-m-xylene			

QC Sample Results

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

Job ID: 480-167686-1

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

Lab Sample ID: MB 480-522544/7

Matrix: Water

Analysis Batch: 522544

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			03/23/20 09:41	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/23/20 09:41	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/23/20 09:41	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/23/20 09:41	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/23/20 09:41	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/23/20 09:41	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			03/23/20 09:41	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/23/20 09:41	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/23/20 09:41	1
2-Hexanone	ND		5.0	1.2	ug/L			03/23/20 09:41	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/23/20 09:41	1
Acetone	ND		10	3.0	ug/L			03/23/20 09:41	1
Benzene	ND		1.0	0.41	ug/L			03/23/20 09:41	1
Bromoform	ND		1.0	0.26	ug/L			03/23/20 09:41	1
Bromomethane	ND		1.0	0.69	ug/L			03/23/20 09:41	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/23/20 09:41	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/23/20 09:41	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/23/20 09:41	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/23/20 09:41	1
Chloroethane	ND		1.0	0.32	ug/L			03/23/20 09:41	1
Chloroform	ND		1.0	0.34	ug/L			03/23/20 09:41	1
Chloromethane	ND		1.0	0.35	ug/L			03/23/20 09:41	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/23/20 09:41	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/23/20 09:41	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/23/20 09:41	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/23/20 09:41	1
Toluene	ND		1.0	0.51	ug/L			03/23/20 09:41	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/23/20 09:41	1
Trichloroethene	ND		1.0	0.46	ug/L			03/23/20 09:41	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/23/20 09:41	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/23/20 09:41	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/23/20 09:41	1
Styrene	ND		1.0	0.73	ug/L			03/23/20 09:41	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		77 - 120		03/23/20 09:41	1
4-Bromofluorobenzene (Surr)	111		73 - 120		03/23/20 09:41	1
Toluene-d8 (Surr)	101		80 - 120		03/23/20 09:41	1
Dibromofluoromethane (Surr)	101		75 - 123		03/23/20 09:41	1

Lab Sample ID: LCS 480-522544/9

Matrix: Water

Analysis Batch: 522544

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	27.5		ug/L		110	73 - 126
1,1,2,2-Tetrachloroethane	25.0	24.4		ug/L		98	76 - 120
1,1,2-Trichloroethane	25.0	26.0		ug/L		104	76 - 122

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QC Sample Results

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

Job ID: 480-167686-1

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

Lab Sample ID: LCS 480-522544/9

Matrix: Water

Analysis Batch: 522544

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	21.6		ug/L		86	77 - 120
1,1-Dichloroethene	25.0	25.0		ug/L		100	66 - 127
1,2-Dichloroethane	25.0	25.6		ug/L		102	75 - 120
1,2-Dichloropropane	25.0	22.0		ug/L		88	76 - 120
2-Butanone (MEK)	125	117		ug/L		94	57 - 140
2-Hexanone	125	117		ug/L		94	65 - 127
4-Methyl-2-pentanone (MIBK)	125	131		ug/L		105	71 - 125
Acetone	125	122		ug/L		97	56 - 142
Benzene	25.0	23.2		ug/L		93	71 - 124
Bromoform	25.0	34.3	*	ug/L		137	61 - 132
Bromomethane	25.0	20.6		ug/L		82	55 - 144
Carbon disulfide	25.0	21.5		ug/L		86	59 - 134
Carbon tetrachloride	25.0	30.2		ug/L		121	72 - 134
Chlorobenzene	25.0	25.6		ug/L		102	80 - 120
Dibromochloromethane	25.0	31.6	*	ug/L		126	75 - 125
Chloroethane	25.0	17.9		ug/L		72	69 - 136
Chloroform	25.0	26.3		ug/L		105	73 - 127
Chloromethane	25.0	17.9		ug/L		71	68 - 124
Bromodichloromethane	25.0	27.0		ug/L		108	80 - 122
Ethylbenzene	25.0	25.7		ug/L		103	77 - 123
Methylene Chloride	25.0	22.2		ug/L		89	75 - 124
Tetrachloroethene	25.0	28.7		ug/L		115	74 - 122
Toluene	25.0	24.9		ug/L		100	80 - 122
trans-1,3-Dichloropropene	25.0	29.0		ug/L		116	80 - 120
Trichloroethene	25.0	25.5		ug/L		102	74 - 123
Vinyl chloride	25.0	18.8		ug/L		75	65 - 133
cis-1,3-Dichloropropene	25.0	27.0		ug/L		108	74 - 124
Styrene	25.0	26.7		ug/L		107	80 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	105		77 - 120
4-Bromofluorobenzene (Surr)	112		73 - 120
Toluene-d8 (Surr)	103		80 - 120
Dibromofluoromethane (Surr)	103		75 - 123

Lab Sample ID: MB 480-522901/7

Matrix: Water

Analysis Batch: 522901

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			03/25/20 08:44	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/25/20 08:44	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/25/20 08:44	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/25/20 08:44	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/25/20 08:44	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/25/20 08:44	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			03/25/20 08:44	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/25/20 08:44	1

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-167686-1

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

Lab Sample ID: MB 480-522901/7

Matrix: Water

Analysis Batch: 522901

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			03/25/20 08:44	1
2-Hexanone	ND		5.0	1.2	ug/L			03/25/20 08:44	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/25/20 08:44	1
Acetone	ND		10	3.0	ug/L			03/25/20 08:44	1
Benzene	ND		1.0	0.41	ug/L			03/25/20 08:44	1
Bromoform	ND		1.0	0.26	ug/L			03/25/20 08:44	1
Bromomethane	ND		1.0	0.69	ug/L			03/25/20 08:44	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/25/20 08:44	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/25/20 08:44	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/25/20 08:44	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/25/20 08:44	1
Chloroethane	ND		1.0	0.32	ug/L			03/25/20 08:44	1
Chloroform	ND		1.0	0.34	ug/L			03/25/20 08:44	1
Chloromethane	ND		1.0	0.35	ug/L			03/25/20 08:44	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/25/20 08:44	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/25/20 08:44	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/25/20 08:44	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/25/20 08:44	1
Toluene	ND		1.0	0.51	ug/L			03/25/20 08:44	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/25/20 08:44	1
Trichloroethene	ND		1.0	0.46	ug/L			03/25/20 08:44	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/25/20 08:44	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/25/20 08:44	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/25/20 08:44	1
Styrene	ND		1.0	0.73	ug/L			03/25/20 08:44	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		77 - 120		03/25/20 08:44	1
4-Bromofluorobenzene (Surr)	105		73 - 120		03/25/20 08:44	1
Toluene-d8 (Surr)	102		80 - 120		03/25/20 08:44	1
Dibromofluoromethane (Surr)	96		75 - 123		03/25/20 08:44	1

Lab Sample ID: LCS 480-522901/5

Matrix: Water

Analysis Batch: 522901

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	20.6		ug/L		82	73 - 126
1,1,2,2-Tetrachloroethane	25.0	23.9		ug/L		96	76 - 120
1,1,2-Trichloroethane	25.0	25.0		ug/L		100	76 - 122
1,1-Dichloroethane	25.0	23.3		ug/L		93	77 - 120
1,1-Dichloroethene	25.0	22.1		ug/L		88	66 - 127
1,2-Dichloroethane	25.0	21.8		ug/L		87	75 - 120
1,2-Dichloropropane	25.0	24.4		ug/L		98	76 - 120
2-Butanone (MEK)	125	133		ug/L		106	57 - 140
2-Hexanone	125	133		ug/L		106	65 - 127
4-Methyl-2-pentanone (MIBK)	125	129		ug/L		103	71 - 125
Acetone	125	141		ug/L		112	56 - 142

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-167686-1

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

Lab Sample ID: LCS 480-522901/5

Matrix: Water

Analysis Batch: 522901

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	22.6		ug/L		90	71 - 124
Bromoform	25.0	28.7		ug/L		115	61 - 132
Bromomethane	25.0	23.3		ug/L		93	55 - 144
Carbon disulfide	25.0	22.0		ug/L		88	59 - 134
Carbon tetrachloride	25.0	21.3		ug/L		85	72 - 134
Chlorobenzene	25.0	24.5		ug/L		98	80 - 120
Dibromochloromethane	25.0	25.4		ug/L		102	75 - 125
Chloroethane	25.0	23.2		ug/L		93	69 - 136
Chloroform	25.0	21.6		ug/L		87	73 - 127
Chloromethane	25.0	22.5		ug/L		90	68 - 124
Bromodichloromethane	25.0	23.7		ug/L		95	80 - 122
Ethylbenzene	25.0	23.2		ug/L		93	77 - 123
Methylene Chloride	25.0	24.8		ug/L		99	75 - 124
Tetrachloroethene	25.0	23.5		ug/L		94	74 - 122
Toluene	25.0	23.2		ug/L		93	80 - 122
trans-1,3-Dichloropropene	25.0	26.3		ug/L		105	80 - 120
Trichloroethene	25.0	20.7		ug/L		83	74 - 123
Vinyl chloride	25.0	22.5		ug/L		90	65 - 133
cis-1,3-Dichloropropene	25.0	25.1		ug/L		100	74 - 124
Styrene	25.0	24.8		ug/L		99	80 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	92		77 - 120
4-Bromofluorobenzene (Surr)	105		73 - 120
Toluene-d8 (Surr)	100		80 - 120
Dibromofluoromethane (Surr)	99		75 - 123

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

Lab Sample ID: MB 480-522863/1-A

Matrix: Water

Analysis Batch: 522952

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 522863

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		03/24/20 15:36	03/25/20 14:57	1
1,2,4-Trichlorobenzene	ND		10	0.44	ug/L		03/24/20 15:36	03/25/20 14:57	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		03/24/20 15:36	03/25/20 14:57	1
1,2-Dichlorobenzene	ND		10	0.40	ug/L		03/24/20 15:36	03/25/20 14:57	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		03/24/20 15:36	03/25/20 14:57	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		03/24/20 15:36	03/25/20 14:57	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		03/24/20 15:36	03/25/20 14:57	1
1,3-Dichlorobenzene	ND		10	0.48	ug/L		03/24/20 15:36	03/25/20 14:57	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		03/24/20 15:36	03/25/20 14:57	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		03/24/20 15:36	03/25/20 14:57	1
1,4-Dichlorobenzene	ND		10	0.46	ug/L		03/24/20 15:36	03/25/20 14:57	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		03/24/20 15:36	03/25/20 14:57	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		03/24/20 15:36	03/25/20 14:57	1
2-Chlorophenol	ND		5.0	0.53	ug/L		03/24/20 15:36	03/25/20 14:57	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		03/24/20 15:36	03/25/20 14:57	1

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-167686-1

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

Lab Sample ID: MB 480-522863/1-A

Matrix: Water

Analysis Batch: 522952

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 522863

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		5.0	0.40	ug/L		03/24/20 15:36	03/25/20 14:57	1
2-Nitroaniline	ND		10	0.42	ug/L		03/24/20 15:36	03/25/20 14:57	1
2-Nitrophenol	ND		5.0	0.48	ug/L		03/24/20 15:36	03/25/20 14:57	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		03/24/20 15:36	03/25/20 14:57	1
3-Nitroaniline	ND		10	0.48	ug/L		03/24/20 15:36	03/25/20 14:57	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		03/24/20 15:36	03/25/20 14:57	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		03/24/20 15:36	03/25/20 14:57	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		03/24/20 15:36	03/25/20 14:57	1
4-Chloroaniline	ND		5.0	0.59	ug/L		03/24/20 15:36	03/25/20 14:57	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		03/24/20 15:36	03/25/20 14:57	1
4-Methylphenol	ND		10	0.36	ug/L		03/24/20 15:36	03/25/20 14:57	1
4-Nitroaniline	ND		10	0.25	ug/L		03/24/20 15:36	03/25/20 14:57	1
4-Nitrophenol	ND		10	1.5	ug/L		03/24/20 15:36	03/25/20 14:57	1
Acenaphthene	ND		5.0	0.41	ug/L		03/24/20 15:36	03/25/20 14:57	1
Acenaphthylene	ND		5.0	0.38	ug/L		03/24/20 15:36	03/25/20 14:57	1
Anthracene	ND		5.0	0.28	ug/L		03/24/20 15:36	03/25/20 14:57	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		03/24/20 15:36	03/25/20 14:57	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		03/24/20 15:36	03/25/20 14:57	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		03/24/20 15:36	03/25/20 14:57	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		03/24/20 15:36	03/25/20 14:57	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		03/24/20 15:36	03/25/20 14:57	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		03/24/20 15:36	03/25/20 14:57	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		03/24/20 15:36	03/25/20 14:57	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		03/24/20 15:36	03/25/20 14:57	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		03/24/20 15:36	03/25/20 14:57	1
Carbazole	ND		5.0	0.30	ug/L		03/24/20 15:36	03/25/20 14:57	1
Chrysene	ND		5.0	0.33	ug/L		03/24/20 15:36	03/25/20 14:57	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		03/24/20 15:36	03/25/20 14:57	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		03/24/20 15:36	03/25/20 14:57	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		03/24/20 15:36	03/25/20 14:57	1
Dibenzofuran	ND		10	0.51	ug/L		03/24/20 15:36	03/25/20 14:57	1
Diethyl phthalate	ND		5.0	0.22	ug/L		03/24/20 15:36	03/25/20 14:57	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		03/24/20 15:36	03/25/20 14:57	1
Fluoranthene	ND		5.0	0.40	ug/L		03/24/20 15:36	03/25/20 14:57	1
Fluorene	ND		5.0	0.36	ug/L		03/24/20 15:36	03/25/20 14:57	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		03/24/20 15:36	03/25/20 14:57	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		03/24/20 15:36	03/25/20 14:57	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		03/24/20 15:36	03/25/20 14:57	1
Hexachloroethane	ND		5.0	0.59	ug/L		03/24/20 15:36	03/25/20 14:57	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		03/24/20 15:36	03/25/20 14:57	1
Isophorone	ND		5.0	0.43	ug/L		03/24/20 15:36	03/25/20 14:57	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		03/24/20 15:36	03/25/20 14:57	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		03/24/20 15:36	03/25/20 14:57	1
Naphthalene	ND		5.0	0.76	ug/L		03/24/20 15:36	03/25/20 14:57	1
Nitrobenzene	ND		5.0	0.29	ug/L		03/24/20 15:36	03/25/20 14:57	1
Pentachlorophenol	ND		10	2.2	ug/L		03/24/20 15:36	03/25/20 14:57	1
Phenanthrene	ND		5.0	0.44	ug/L		03/24/20 15:36	03/25/20 14:57	1
Phenol	ND		5.0	0.39	ug/L		03/24/20 15:36	03/25/20 14:57	1
Pyrene	ND		5.0	0.34	ug/L		03/24/20 15:36	03/25/20 14:57	1

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-167686-1

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	63		41 - 120	03/24/20 15:36	03/25/20 14:57	1
2-Fluorobiphenyl	84		48 - 120	03/24/20 15:36	03/25/20 14:57	1
2-Fluorophenol	62		35 - 120	03/24/20 15:36	03/25/20 14:57	1
Nitrobenzene-d5	81		46 - 120	03/24/20 15:36	03/25/20 14:57	1
p-Terphenyl-d14	94		60 - 148	03/24/20 15:36	03/25/20 14:57	1
Phenol-d5	48		22 - 120	03/24/20 15:36	03/25/20 14:57	1

Lab Sample ID: LCS 480-522863/2-A

Matrix: Water

Analysis Batch: 522952

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 522863

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
bis (2-chloroisopropyl) ether	32.0	30.3		ug/L		95	21 - 136
1,2,4-Trichlorobenzene	32.0	24.5		ug/L		77	40 - 120
2,4,5-Trichlorophenol	32.0	30.7		ug/L		96	65 - 126
1,2-Dichlorobenzene	32.0	26.0		ug/L		81	49 - 120
2,4,6-Trichlorophenol	32.0	28.5		ug/L		89	64 - 120
2,4-Dichlorophenol	32.0	28.5		ug/L		89	63 - 120
2,4-Dimethylphenol	32.0	29.0		ug/L		91	47 - 120
1,3-Dichlorobenzene	32.0	25.4		ug/L		79	50 - 120
2,4-Dinitrophenol	64.0	60.7		ug/L		95	31 - 137
2,4-Dinitrotoluene	32.0	30.2		ug/L		94	69 - 120
1,4-Dichlorobenzene	32.0	25.5		ug/L		80	51 - 120
2,6-Dinitrotoluene	32.0	30.5		ug/L		95	68 - 120
2-Chloronaphthalene	32.0	26.5		ug/L		83	58 - 120
2-Chlorophenol	32.0	27.6		ug/L		86	48 - 120
2-Methylnaphthalene	32.0	26.7		ug/L		83	59 - 120
2-Methylphenol	32.0	27.5		ug/L		86	39 - 120
2-Nitroaniline	32.0	30.9		ug/L		97	54 - 127
2-Nitrophenol	32.0	28.5		ug/L		89	52 - 125
3,3'-Dichlorobenzidine	64.0	62.6		ug/L		98	49 - 135
3-Nitroaniline	32.0	27.0		ug/L		84	51 - 120
4,6-Dinitro-2-methylphenol	64.0	59.0		ug/L		92	46 - 136
4-Bromophenyl phenyl ether	32.0	27.9		ug/L		87	65 - 120
4-Chloro-3-methylphenol	32.0	30.0		ug/L		94	61 - 123
4-Chloroaniline	32.0	26.0		ug/L		81	30 - 120
4-Chlorophenyl phenyl ether	32.0	27.7		ug/L		87	62 - 120
4-Methylphenol	32.0	28.5		ug/L		89	29 - 131
4-Nitroaniline	32.0	32.7		ug/L		102	65 - 120
4-Nitrophenol	64.0	46.4		ug/L		72	45 - 120
Acenaphthene	32.0	28.2		ug/L		88	60 - 120
Acenaphthylene	32.0	29.0		ug/L		91	63 - 120
Anthracene	32.0	27.3		ug/L		85	67 - 120
Benzo[a]anthracene	32.0	29.5		ug/L		92	70 - 121
Benzo[a]pyrene	32.0	28.7		ug/L		90	60 - 123
Benzo[b]fluoranthene	32.0	30.4		ug/L		95	66 - 126
Benzo[g,h,i]perylene	32.0	30.8		ug/L		96	66 - 150
Benzo[k]fluoranthene	32.0	32.1		ug/L		100	65 - 124
Bis(2-chloroethoxy)methane	32.0	29.6		ug/L		92	50 - 128
Bis(2-chloroethyl)ether	32.0	28.1		ug/L		88	44 - 120
Bis(2-ethylhexyl) phthalate	32.0	33.1		ug/L		103	63 - 139

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-167686-1

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

Lab Sample ID: LCS 480-522863/2-A

Matrix: Water

Analysis Batch: 522952

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 522863

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Butyl benzyl phthalate	32.0	34.1		ug/L		107	70 - 129
Carbazole	32.0	35.6		ug/L		111	66 - 123
Chrysene	32.0	31.0		ug/L		97	69 - 120
Di-n-butyl phthalate	32.0	29.1		ug/L		91	69 - 131
Di-n-octyl phthalate	32.0	34.5		ug/L		108	63 - 140
Dibenz(a,h)anthracene	32.0	31.8		ug/L		99	65 - 135
Dibenzofuran	32.0	27.7		ug/L		87	66 - 120
Diethyl phthalate	32.0	30.8		ug/L		96	59 - 127
Dimethyl phthalate	32.0	30.2		ug/L		94	68 - 120
Fluoranthene	32.0	27.6		ug/L		86	69 - 126
Fluorene	32.0	29.1		ug/L		91	66 - 120
Hexachlorobenzene	32.0	27.6		ug/L		86	61 - 120
Hexachlorobutadiene	32.0	21.7		ug/L		68	35 - 120
Hexachlorocyclopentadiene	32.0	20.2		ug/L		63	31 - 120
Hexachloroethane	32.0	25.4		ug/L		79	43 - 120
Indeno[1,2,3-cd]pyrene	32.0	30.6		ug/L		96	69 - 146
Isophorone	32.0	28.9		ug/L		90	55 - 120
N-Nitrosodi-n-propylamine	32.0	30.8		ug/L		96	32 - 140
N-Nitrosodiphenylamine	32.0	30.1		ug/L		94	61 - 120
Naphthalene	32.0	26.2		ug/L		82	57 - 120
Nitrobenzene	32.0	28.6		ug/L		89	53 - 123
Pentachlorophenol	64.0	58.0		ug/L		91	29 - 136
Phenanthrene	32.0	28.3		ug/L		88	68 - 120
Phenol	32.0	19.2		ug/L		60	17 - 120
Pyrene	32.0	29.3		ug/L		92	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol	91		41 - 120
2-Fluorobiphenyl	89		48 - 120
2-Fluorophenol	72		35 - 120
Nitrobenzene-d5	89		46 - 120
p-Terphenyl-d14	99		60 - 148
Phenol-d5	61		22 - 120

Lab Sample ID: LCSD 480-522863/3-A

Matrix: Water

Analysis Batch: 522952

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 522863

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
bis (2-chloroisopropyl) ether	32.0	29.5		ug/L		92	21 - 136	3	24
1,2,4-Trichlorobenzene	32.0	24.5		ug/L		77	40 - 120	0	30
2,4,5-Trichlorophenol	32.0	28.5		ug/L		89	65 - 126	7	18
1,2-Dichlorobenzene	32.0	25.3		ug/L		79	49 - 120	3	29
2,4,6-Trichlorophenol	32.0	29.0		ug/L		91	64 - 120	2	19
2,4-Dichlorophenol	32.0	28.7		ug/L		90	63 - 120	1	19
2,4-Dimethylphenol	32.0	27.2		ug/L		85	47 - 120	7	42
1,3-Dichlorobenzene	32.0	25.0		ug/L		78	50 - 120	1	37
2,4-Dinitrophenol	64.0	62.3		ug/L		97	31 - 137	3	22

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-167686-1

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

Lab Sample ID: LCSD 480-522863/3-A

Matrix: Water

Analysis Batch: 522952

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 522863

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4-Dinitrotoluene	32.0	29.1		ug/L		91	69 - 120	4	20
1,4-Dichlorobenzene	32.0	25.0		ug/L		78	51 - 120	2	36
2,6-Dinitrotoluene	32.0	29.1		ug/L		91	68 - 120	5	15
2-Chloronaphthalene	32.0	26.7		ug/L		83	58 - 120	1	21
2-Chlorophenol	32.0	27.2		ug/L		85	48 - 120	1	25
2-Methylnaphthalene	32.0	27.2		ug/L		85	59 - 120	2	21
2-Methylphenol	32.0	26.6		ug/L		83	39 - 120	3	27
2-Nitroaniline	32.0	31.1		ug/L		97	54 - 127	1	15
2-Nitrophenol	32.0	28.8		ug/L		90	52 - 125	1	18
3,3'-Dichlorobenzidine	64.0	60.2		ug/L		94	49 - 135	4	25
3-Nitroaniline	32.0	26.2		ug/L		82	51 - 120	3	19
4,6-Dinitro-2-methylphenol	64.0	57.2		ug/L		89	46 - 136	3	15
4-Bromophenyl phenyl ether	32.0	27.5		ug/L		86	65 - 120	1	15
4-Chloro-3-methylphenol	32.0	29.7		ug/L		93	61 - 123	1	27
4-Chloroaniline	32.0	23.4		ug/L		73	30 - 120	10	22
4-Chlorophenyl phenyl ether	32.0	26.8		ug/L		84	62 - 120	3	16
4-Methylphenol	32.0	27.9		ug/L		87	29 - 131	2	24
4-Nitroaniline	32.0	31.7		ug/L		99	65 - 120	3	24
4-Nitrophenol	64.0	48.2		ug/L		75	45 - 120	4	48
Acenaphthene	32.0	27.3		ug/L		85	60 - 120	3	24
Acenaphthylene	32.0	28.4		ug/L		89	63 - 120	2	18
Anthracene	32.0	27.4		ug/L		86	67 - 120	0	15
Benzo[a]anthracene	32.0	28.8		ug/L		90	70 - 121	2	15
Benzo[a]pyrene	32.0	28.3		ug/L		88	60 - 123	2	15
Benzo[b]fluoranthene	32.0	28.9		ug/L		90	66 - 126	5	15
Benzo[g,h,i]perylene	32.0	30.6		ug/L		96	66 - 150	1	15
Benzo[k]fluoranthene	32.0	29.3		ug/L		92	65 - 124	9	22
Bis(2-chloroethoxy)methane	32.0	29.6		ug/L		93	50 - 128	0	17
Bis(2-chloroethyl)ether	32.0	28.7		ug/L		90	44 - 120	2	21
Bis(2-ethylhexyl) phthalate	32.0	31.9		ug/L		100	63 - 139	4	15
Butyl benzyl phthalate	32.0	32.3		ug/L		101	70 - 129	5	16
Carbazole	32.0	34.4		ug/L		108	66 - 123	3	20
Chrysene	32.0	29.6		ug/L		93	69 - 120	5	15
Di-n-butyl phthalate	32.0	28.2		ug/L		88	69 - 131	3	15
Di-n-octyl phthalate	32.0	34.1		ug/L		107	63 - 140	1	16
Dibenz(a,h)anthracene	32.0	31.3		ug/L		98	65 - 135	1	15
Dibenzofuran	32.0	26.8		ug/L		84	66 - 120	3	15
Diethyl phthalate	32.0	29.6		ug/L		93	59 - 127	4	15
Dimethyl phthalate	32.0	29.2		ug/L		91	68 - 120	3	15
Fluoranthene	32.0	27.3		ug/L		85	69 - 126	1	15
Fluorene	32.0	28.5		ug/L		89	66 - 120	2	15
Hexachlorobenzene	32.0	26.7		ug/L		84	61 - 120	3	15
Hexachlorobutadiene	32.0	22.1		ug/L		69	35 - 120	2	44
Hexachlorocyclopentadiene	32.0	19.6		ug/L		61	31 - 120	3	49
Hexachloroethane	32.0	25.3		ug/L		79	43 - 120	1	46
Indeno[1,2,3-cd]pyrene	32.0	30.1		ug/L		94	69 - 146	2	15
Isophorone	32.0	29.4		ug/L		92	55 - 120	2	17
N-Nitrosodi-n-propylamine	32.0	30.3		ug/L		95	32 - 140	2	31
N-Nitrosodiphenylamine	32.0	28.7		ug/L		90	61 - 120	5	15

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-167686-1

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

Lab Sample ID: LCSD 480-522863/3-A

Matrix: Water

Analysis Batch: 522952

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 522863

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Naphthalene	32.0	25.9		ug/L		81	57 - 120	1	29
Nitrobenzene	32.0	28.4		ug/L		89	53 - 123	1	24
Pentachlorophenol	64.0	54.8		ug/L		86	29 - 136	6	37
Phenanthrene	32.0	27.3		ug/L		85	68 - 120	4	15
Phenol	32.0	19.0		ug/L		60	17 - 120	1	34
Pyrene	32.0	28.2		ug/L		88	70 - 125	4	19

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2,4,6-Tribromophenol	89		41 - 120
2-Fluorobiphenyl	86		48 - 120
2-Fluorophenol	72		35 - 120
Nitrobenzene-d5	91		46 - 120
p-Terphenyl-d14	93		60 - 148
Phenol-d5	59		22 - 120

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 480-522762/1-A

Matrix: Water

Analysis Batch: 522756

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 522762

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.050	0.0092	ug/L		03/24/20 09:04	03/24/20 14:39	1
4,4'-DDE	ND		0.050	0.012	ug/L		03/24/20 09:04	03/24/20 14:39	1
4,4'-DDT	ND		0.050	0.011	ug/L		03/24/20 09:04	03/24/20 14:39	1
Aldrin	ND		0.050	0.0081	ug/L		03/24/20 09:04	03/24/20 14:39	1
alpha-BHC	ND		0.050	0.0077	ug/L		03/24/20 09:04	03/24/20 14:39	1
cis-Chlordane	ND		0.050	0.015	ug/L		03/24/20 09:04	03/24/20 14:39	1
beta-BHC	ND		0.050	0.025	ug/L		03/24/20 09:04	03/24/20 14:39	1
delta-BHC	0.0147	J	0.050	0.010	ug/L		03/24/20 09:04	03/24/20 14:39	1
Dieldrin	ND		0.050	0.0098	ug/L		03/24/20 09:04	03/24/20 14:39	1
Endosulfan I	ND		0.050	0.011	ug/L		03/24/20 09:04	03/24/20 14:39	1
Endosulfan II	ND		0.050	0.012	ug/L		03/24/20 09:04	03/24/20 14:39	1
Endosulfan sulfate	ND		0.050	0.016	ug/L		03/24/20 09:04	03/24/20 14:39	1
Endrin	ND		0.050	0.014	ug/L		03/24/20 09:04	03/24/20 14:39	1
Endrin aldehyde	ND		0.050	0.016	ug/L		03/24/20 09:04	03/24/20 14:39	1
Endrin ketone	ND		0.050	0.012	ug/L		03/24/20 09:04	03/24/20 14:39	1
gamma-BHC (Lindane)	0.0141	J	0.050	0.0080	ug/L		03/24/20 09:04	03/24/20 14:39	1
trans-Chlordane	ND		0.050	0.011	ug/L		03/24/20 09:04	03/24/20 14:39	1
Heptachlor	ND		0.050	0.0085	ug/L		03/24/20 09:04	03/24/20 14:39	1
Heptachlor epoxide	ND		0.050	0.0074	ug/L		03/24/20 09:04	03/24/20 14:39	1
Methoxychlor	ND		0.050	0.014	ug/L		03/24/20 09:04	03/24/20 14:39	1
Toxaphene	ND		0.50	0.12	ug/L		03/24/20 09:04	03/24/20 14:39	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	100		20 - 120	03/24/20 09:04	03/24/20 14:39	1
Tetrachloro-m-xylene	77		44 - 120	03/24/20 09:04	03/24/20 14:39	1

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-167686-1

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

Lab Sample ID: LCS 480-522762/2-A

Matrix: Water

Analysis Batch: 522756

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 522762

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	0.400	0.532	*	ug/L		133	64 - 129
4,4'-DDE	0.400	0.364		ug/L		91	50 - 120
4,4'-DDT	0.400	0.502	*	ug/L		125	59 - 120
Aldrin	0.400	0.169		ug/L		42	40 - 125
alpha-BHC	0.400	0.334		ug/L		83	52 - 125
cis-Chlordane	0.400	0.373		ug/L		93	52 - 120
beta-BHC	0.400	0.398		ug/L		100	51 - 120
delta-BHC	0.400	0.386		ug/L		96	51 - 120
Dieldrin	0.400	0.414		ug/L		104	66 - 128
Endosulfan I	0.400	0.392		ug/L		98	57 - 120
Endosulfan II	0.400	0.518		ug/L		130	66 - 131
Endosulfan sulfate	0.400	0.694	*	ug/L		173	66 - 136
Endrin	0.400	0.447		ug/L		112	65 - 135
Endrin aldehyde	0.400	0.619	*	ug/L		155	61 - 134
Endrin ketone	0.400	0.544	*	ug/L		136	71 - 133
gamma-BHC (Lindane)	0.400	0.368		ug/L		92	56 - 120
trans-Chlordane	0.400	0.370		ug/L		93	54 - 120
Heptachlor	0.400	0.320		ug/L		80	58 - 120
Heptachlor epoxide	0.400	0.387		ug/L		97	65 - 125
Methoxychlor	0.400	0.592		ug/L		148	50 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	77		20 - 120
Tetrachloro-m-xylene	67		44 - 120

Lab Sample ID: LCSD 480-522762/3-A

Matrix: Water

Analysis Batch: 522756

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 522762

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
4,4'-DDD	0.400	0.415	*1	ug/L		104	64 - 129	25	23
4,4'-DDE	0.400	0.298		ug/L		74	50 - 120	20	22
4,4'-DDT	0.400	0.378	*1	ug/L		94	59 - 120	28	24
Aldrin	0.400	0.160		ug/L		40	40 - 125	5	25
alpha-BHC	0.400	0.305		ug/L		76	52 - 125	9	24
cis-Chlordane	0.400	0.309		ug/L		77	52 - 120	19	23
beta-BHC	0.400	0.357		ug/L		89	51 - 120	11	24
delta-BHC	0.400	0.359		ug/L		90	51 - 120	7	24
Dieldrin	0.400	0.335		ug/L		84	66 - 128	21	24
Endosulfan I	0.400	0.329		ug/L		82	57 - 120	17	30
Endosulfan II	0.400	0.411		ug/L		103	66 - 131	23	40
Endosulfan sulfate	0.400	0.461	*1	ug/L		115	66 - 136	40	24
Endrin	0.400	0.353		ug/L		88	65 - 135	24	24
Endrin aldehyde	0.400	0.427	*1	ug/L		107	61 - 134	37	28
Endrin ketone	0.400	0.506		ug/L		127	71 - 133	7	26
gamma-BHC (Lindane)	0.400	0.326		ug/L		82	56 - 120	12	24
trans-Chlordane	0.400	0.311		ug/L		78	54 - 120	17	24
Heptachlor	0.400	0.309		ug/L		77	58 - 120	3	25

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-167686-1

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

Lab Sample ID: LCSD 480-522762/3-A

Matrix: Water

Analysis Batch: 522756

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 522762

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Heptachlor epoxide	0.400	0.329		ug/L		82	65 - 125	16	23
Methoxychlor	0.400	0.461		ug/L		115	50 - 150	25	26

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
DCB Decachlorobiphenyl	74		20 - 120
Tetrachloro-m-xylene	69		44 - 120

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

Lab Sample ID: MB 480-522939/1-A

Matrix: Water

Analysis Batch: 523175

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 522939

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		03/25/20 08:43	03/26/20 14:21	1
PCB-1221	ND		0.50	0.18	ug/L		03/25/20 08:43	03/26/20 14:21	1
PCB-1232	ND		0.50	0.18	ug/L		03/25/20 08:43	03/26/20 14:21	1
PCB-1242	ND		0.50	0.18	ug/L		03/25/20 08:43	03/26/20 14:21	1
PCB-1248	ND		0.50	0.18	ug/L		03/25/20 08:43	03/26/20 14:21	1
PCB-1254	ND		0.50	0.25	ug/L		03/25/20 08:43	03/26/20 14:21	1
PCB-1260	ND		0.50	0.25	ug/L		03/25/20 08:43	03/26/20 14:21	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	60		19 - 120	03/25/20 08:43	03/26/20 14:21	1
Tetrachloro-m-xylene	93		39 - 121	03/25/20 08:43	03/26/20 14:21	1

Lab Sample ID: LCS 480-522939/2-A

Matrix: Water

Analysis Batch: 523175

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 522939

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	4.00	4.64		ug/L		116	62 - 130
PCB-1260	4.00	3.78		ug/L		95	56 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	40		19 - 120
Tetrachloro-m-xylene	91		39 - 121

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-522440/1-A

Matrix: Water

Analysis Batch: 522908

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 522440

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		03/23/20 08:18	03/24/20 16:47	1
Antimony	ND		0.020	0.0068	mg/L		03/23/20 08:18	03/24/20 16:47	1
Arsenic	ND		0.010	0.0056	mg/L		03/23/20 08:18	03/24/20 16:47	1

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-167686-1

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

Lab Sample ID: MB 480-522440/1-A

Matrix: Water

Analysis Batch: 522908

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 522440

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	ND		0.0020	0.00070	mg/L		03/23/20 08:18	03/24/20 16:47	1
Beryllium	ND		0.0020	0.00030	mg/L		03/23/20 08:18	03/24/20 16:47	1
Cadmium	ND		0.0010	0.00050	mg/L		03/23/20 08:18	03/24/20 16:47	1
Calcium	ND		0.50	0.10	mg/L		03/23/20 08:18	03/24/20 16:47	1
Chromium	ND		0.0040	0.0010	mg/L		03/23/20 08:18	03/24/20 16:47	1
Cobalt	ND		0.0040	0.00063	mg/L		03/23/20 08:18	03/24/20 16:47	1
Copper	ND		0.010	0.0016	mg/L		03/23/20 08:18	03/24/20 16:47	1
Iron	ND		0.050	0.019	mg/L		03/23/20 08:18	03/24/20 16:47	1
Lead	ND		0.0050	0.0030	mg/L		03/23/20 08:18	03/24/20 16:47	1
Magnesium	ND		0.20	0.043	mg/L		03/23/20 08:18	03/24/20 16:47	1
Manganese	ND		0.0030	0.00040	mg/L		03/23/20 08:18	03/24/20 16:47	1
Nickel	ND		0.010	0.0013	mg/L		03/23/20 08:18	03/24/20 16:47	1
Potassium	ND		0.50	0.10	mg/L		03/23/20 08:18	03/24/20 16:47	1
Selenium	ND		0.015	0.0087	mg/L		03/23/20 08:18	03/24/20 16:47	1
Silver	ND		0.0030	0.0017	mg/L		03/23/20 08:18	03/24/20 16:47	1
Sodium	ND		1.0	0.32	mg/L		03/23/20 08:18	03/24/20 16:47	1
Thallium	ND		0.020	0.010	mg/L		03/23/20 08:18	03/24/20 16:47	1
Vanadium	ND		0.0050	0.0015	mg/L		03/23/20 08:18	03/24/20 16:47	1
Zinc	0.00213	J	0.010	0.0015	mg/L		03/23/20 08:18	03/24/20 16:47	1

Lab Sample ID: LCS 480-522440/2-A

Matrix: Water

Analysis Batch: 522908

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 522440

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	10.0	9.47		mg/L		95	80 - 120
Antimony	0.200	0.214		mg/L		107	80 - 120
Arsenic	0.200	0.200		mg/L		100	80 - 120
Barium	0.200	0.203		mg/L		101	80 - 120
Beryllium	0.200	0.205		mg/L		102	80 - 120
Cadmium	0.200	0.199		mg/L		100	80 - 120
Calcium	10.0	9.86		mg/L		99	80 - 120
Chromium	0.200	0.203		mg/L		102	80 - 120
Cobalt	0.200	0.186		mg/L		93	80 - 120
Copper	0.200	0.190		mg/L		95	80 - 120
Iron	10.0	9.63		mg/L		96	80 - 120
Lead	0.200	0.187		mg/L		93	80 - 120
Magnesium	10.0	9.67		mg/L		97	80 - 120
Manganese	0.200	0.200		mg/L		100	80 - 120
Nickel	0.200	0.190		mg/L		95	80 - 120
Potassium	10.0	9.89		mg/L		99	80 - 120
Selenium	0.200	0.197		mg/L		98	80 - 120
Silver	0.0500	0.0514		mg/L		103	80 - 120
Sodium	10.0	9.73		mg/L		97	80 - 120
Thallium	0.200	0.196		mg/L		98	80 - 120
Vanadium	0.200	0.197		mg/L		98	80 - 120
Zinc	0.200	0.211		mg/L		106	80 - 120

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-167686-1

Method: 7470A_ASP - Mercury (CVAA)

Lab Sample ID: MB 480-522603/1-A

Matrix: Water

Analysis Batch: 522663

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 522603

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		03/23/20 11:46	03/23/20 14:24	1

Lab Sample ID: LCS 480-522603/2-A

Matrix: Water

Analysis Batch: 522663

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 522603

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00667	0.00743		mg/L		111	80 - 120

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

Lab Sample ID: MB 480-522649/1-A

Matrix: Water

Analysis Batch: 522665

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 522649

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		03/23/20 12:15	03/23/20 14:37	1

Lab Sample ID: LCS 480-522649/2-A

Matrix: Water

Analysis Batch: 522665

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 522649

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 480-522649/3-A

Matrix: Water

Analysis Batch: 522665

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 522649

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.250	0.246		mg/L		98	90 - 110

Lab Sample ID: 480-167686-1 MS

Matrix: Water

Analysis Batch: 522665

Client Sample ID: S-4

Prep Type: Total/NA

Prep Batch: 522649

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.045		0.100	0.143		mg/L		98	90 - 110

QC Association Summary

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

Job ID: 480-167686-1

GC/MS VOA

Analysis Batch: 522544

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-167686-1	S-4	Total/NA	Water	8260C	
480-167686-2	S-1	Total/NA	Water	8260C	
480-167686-4	S-3	Total/NA	Water	8260C	
480-167686-5	DUP	Total/NA	Water	8260C	
480-167686-6	RW-4	Total/NA	Water	8260C	
480-167686-7	RW-5	Total/NA	Water	8260C	
MB 480-522544/7	Method Blank	Total/NA	Water	8260C	
LCS 480-522544/9	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 522901

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-167686-3	S-2	Total/NA	Water	8260C	
MB 480-522901/7	Method Blank	Total/NA	Water	8260C	
LCS 480-522901/5	Lab Control Sample	Total/NA	Water	8260C	

GC/MS Semi VOA

Prep Batch: 522863

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-167686-1	S-4	Total/NA	Water	3510C	
480-167686-2	S-1	Total/NA	Water	3510C	
480-167686-3	S-2	Total/NA	Water	3510C	
480-167686-4	S-3	Total/NA	Water	3510C	
480-167686-5	DUP	Total/NA	Water	3510C	
480-167686-6	RW-4	Total/NA	Water	3510C	
480-167686-7	RW-5	Total/NA	Water	3510C	
MB 480-522863/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-522863/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 480-522863/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 522952

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-167686-1	S-4	Total/NA	Water	8270D	522863
480-167686-2	S-1	Total/NA	Water	8270D	522863
480-167686-3	S-2	Total/NA	Water	8270D	522863
480-167686-4	S-3	Total/NA	Water	8270D	522863
480-167686-5	DUP	Total/NA	Water	8270D	522863
480-167686-6	RW-4	Total/NA	Water	8270D	522863
480-167686-7	RW-5	Total/NA	Water	8270D	522863
MB 480-522863/1-A	Method Blank	Total/NA	Water	8270D	522863
LCS 480-522863/2-A	Lab Control Sample	Total/NA	Water	8270D	522863
LCSD 480-522863/3-A	Lab Control Sample Dup	Total/NA	Water	8270D	522863

GC Semi VOA

Analysis Batch: 522756

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-167686-1	S-4	Total/NA	Water	8081B	522762
480-167686-2	S-1	Total/NA	Water	8081B	522762
480-167686-3	S-2	Total/NA	Water	8081B	522762
480-167686-4	S-3	Total/NA	Water	8081B	522762
480-167686-5	DUP	Total/NA	Water	8081B	522762

Eurofins TestAmerica, Buffalo

QC Association Summary

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

Job ID: 480-167686-1

GC Semi VOA (Continued)

Analysis Batch: 522756 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-522762/1-A	Method Blank	Total/NA	Water	8081B	522762
LCS 480-522762/2-A	Lab Control Sample	Total/NA	Water	8081B	522762
LCSD 480-522762/3-A	Lab Control Sample Dup	Total/NA	Water	8081B	522762

Prep Batch: 522762

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-167686-1	S-4	Total/NA	Water	3510C	
480-167686-2	S-1	Total/NA	Water	3510C	
480-167686-3	S-2	Total/NA	Water	3510C	
480-167686-4	S-3	Total/NA	Water	3510C	
480-167686-5	DUP	Total/NA	Water	3510C	
MB 480-522762/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-522762/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 480-522762/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Prep Batch: 522939

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-167686-1	S-4	Total/NA	Water	3510C	
480-167686-2	S-1	Total/NA	Water	3510C	
480-167686-3	S-2	Total/NA	Water	3510C	
480-167686-4	S-3	Total/NA	Water	3510C	
480-167686-5	DUP	Total/NA	Water	3510C	
480-167686-6	RW-4	Total/NA	Water	3510C	
480-167686-7	RW-5	Total/NA	Water	3510C	
MB 480-522939/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-522939/2-A	Lab Control Sample	Total/NA	Water	3510C	

Analysis Batch: 523175

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-167686-1	S-4	Total/NA	Water	8082A	522939
480-167686-2	S-1	Total/NA	Water	8082A	522939
480-167686-3	S-2	Total/NA	Water	8082A	522939
480-167686-4	S-3	Total/NA	Water	8082A	522939
480-167686-5	DUP	Total/NA	Water	8082A	522939
480-167686-6	RW-4	Total/NA	Water	8082A	522939
480-167686-7	RW-5	Total/NA	Water	8082A	522939
MB 480-522939/1-A	Method Blank	Total/NA	Water	8082A	522939
LCS 480-522939/2-A	Lab Control Sample	Total/NA	Water	8082A	522939

Metals

Prep Batch: 522440

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-167686-1	S-4	Total/NA	Water	3005A	
480-167686-2	S-1	Total/NA	Water	3005A	
480-167686-3	S-2	Total/NA	Water	3005A	
480-167686-4	S-3	Total/NA	Water	3005A	
480-167686-5	DUP	Total/NA	Water	3005A	
MB 480-522440/1-A	Method Blank	Total/NA	Water	3005A	
LCS 480-522440/2-A	Lab Control Sample	Total/NA	Water	3005A	

Eurofins TestAmerica, Buffalo

QC Association Summary

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

Job ID: 480-167686-1

Metals

Prep Batch: 522603

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-167686-1	S-4	Total/NA	Water	7470A	
480-167686-2	S-1	Total/NA	Water	7470A	
480-167686-3	S-2	Total/NA	Water	7470A	
480-167686-4	S-3	Total/NA	Water	7470A	
480-167686-5	DUP	Total/NA	Water	7470A	
MB 480-522603/1-A	Method Blank	Total/NA	Water	7470A	
LCS 480-522603/2-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 522663

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-167686-1	S-4	Total/NA	Water	7470A_ASP	522603
480-167686-2	S-1	Total/NA	Water	7470A_ASP	522603
480-167686-3	S-2	Total/NA	Water	7470A_ASP	522603
480-167686-4	S-3	Total/NA	Water	7470A_ASP	522603
480-167686-5	DUP	Total/NA	Water	7470A_ASP	522603
MB 480-522603/1-A	Method Blank	Total/NA	Water	7470A_ASP	522603
LCS 480-522603/2-A	Lab Control Sample	Total/NA	Water	7470A_ASP	522603

Analysis Batch: 522908

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-167686-1	S-4	Total/NA	Water	6010C	522440
480-167686-2	S-1	Total/NA	Water	6010C	522440
480-167686-3	S-2	Total/NA	Water	6010C	522440
480-167686-4	S-3	Total/NA	Water	6010C	522440
480-167686-5	DUP	Total/NA	Water	6010C	522440
MB 480-522440/1-A	Method Blank	Total/NA	Water	6010C	522440
LCS 480-522440/2-A	Lab Control Sample	Total/NA	Water	6010C	522440

General Chemistry

Prep Batch: 522649

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-167686-1	S-4	Total/NA	Water	9012B	
480-167686-2	S-1	Total/NA	Water	9012B	
480-167686-3	S-2	Total/NA	Water	9012B	
480-167686-4	S-3	Total/NA	Water	9012B	
480-167686-5	DUP	Total/NA	Water	9012B	
MB 480-522649/1-A	Method Blank	Total/NA	Water	9012B	
LCS 480-522649/2-A	Lab Control Sample	Total/NA	Water	9012B	
LCS 480-522649/3-A	Lab Control Sample	Total/NA	Water	9012B	
480-167686-1 MS	S-4	Total/NA	Water	9012B	

Analysis Batch: 522665

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-167686-1	S-4	Total/NA	Water	9012B	522649
480-167686-2	S-1	Total/NA	Water	9012B	522649
480-167686-3	S-2	Total/NA	Water	9012B	522649
480-167686-4	S-3	Total/NA	Water	9012B	522649
480-167686-5	DUP	Total/NA	Water	9012B	522649
MB 480-522649/1-A	Method Blank	Total/NA	Water	9012B	522649
LCS 480-522649/2-A	Lab Control Sample	Total/NA	Water	9012B	522649

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QC Association Summary

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

Job ID: 480-167686-1

General Chemistry (Continued)

Analysis Batch: 522665 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-522649/3-A	Lab Control Sample	Total/NA	Water	9012B	522649
480-167686-1 MS	S-4	Total/NA	Water	9012B	522649

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Lab Chronicle

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

Job ID: 480-167686-1

Client Sample ID: S-4

Date Collected: 03/18/20 11:30

Date Received: 03/19/20 15:05

Lab Sample ID: 480-167686-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	522544	03/23/20 14:27	AMM	TAL BUF
Total/NA	Prep	3510C			522863	03/24/20 15:36	ATG	TAL BUF
Total/NA	Analysis	8270D		5	522952	03/25/20 16:54	JMM	TAL BUF
Total/NA	Prep	3510C			522762	03/24/20 09:04	JMP	TAL BUF
Total/NA	Analysis	8081B		1	522756	03/24/20 15:37	JLS	TAL BUF
Total/NA	Prep	3510C			522939	03/25/20 08:43	JMP	TAL BUF
Total/NA	Analysis	8082A		1	523175	03/26/20 16:41	W1T	TAL BUF
Total/NA	Prep	3005A			522440	03/23/20 08:18	KMP	TAL BUF
Total/NA	Analysis	6010C		1	522908	03/24/20 18:20	AMH	TAL BUF
Total/NA	Prep	7470A			522603	03/23/20 11:46	BMB	TAL BUF
Total/NA	Analysis	7470A_ASP		1	522663	03/23/20 14:32	BMB	TAL BUF
Total/NA	Prep	9012B			522649	03/23/20 12:15	JRF	TAL BUF
Total/NA	Analysis	9012B		1	522665	03/23/20 14:45	JRF	TAL BUF

Client Sample ID: S-1

Date Collected: 03/18/20 13:00

Date Received: 03/19/20 15:05

Lab Sample ID: 480-167686-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	522544	03/23/20 14:51	AMM	TAL BUF
Total/NA	Prep	3510C			522863	03/24/20 15:36	ATG	TAL BUF
Total/NA	Analysis	8270D		1	522952	03/25/20 17:23	JMM	TAL BUF
Total/NA	Prep	3510C			522762	03/24/20 09:04	JMP	TAL BUF
Total/NA	Analysis	8081B		1	522756	03/24/20 15:57	JLS	TAL BUF
Total/NA	Prep	3510C			522939	03/25/20 08:43	JMP	TAL BUF
Total/NA	Analysis	8082A		1	523175	03/26/20 16:54	W1T	TAL BUF
Total/NA	Prep	3005A			522440	03/23/20 08:18	KMP	TAL BUF
Total/NA	Analysis	6010C		1	522908	03/24/20 18:24	AMH	TAL BUF
Total/NA	Prep	7470A			522603	03/23/20 11:46	BMB	TAL BUF
Total/NA	Analysis	7470A_ASP		1	522663	03/23/20 14:34	BMB	TAL BUF
Total/NA	Prep	9012B			522649	03/23/20 12:15	JRF	TAL BUF
Total/NA	Analysis	9012B		1	522665	03/23/20 14:48	JRF	TAL BUF

Client Sample ID: S-2

Date Collected: 03/18/20 13:30

Date Received: 03/19/20 15:05

Lab Sample ID: 480-167686-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	522901	03/25/20 09:21	AMM	TAL BUF
Total/NA	Prep	3510C			522863	03/24/20 15:36	ATG	TAL BUF
Total/NA	Analysis	8270D		1	522952	03/25/20 17:52	JMM	TAL BUF
Total/NA	Prep	3510C			522762	03/24/20 09:04	JMP	TAL BUF
Total/NA	Analysis	8081B		1	522756	03/24/20 16:17	JLS	TAL BUF
Total/NA	Prep	3510C			522939	03/25/20 08:43	JMP	TAL BUF
Total/NA	Analysis	8082A		1	523175	03/26/20 17:07	W1T	TAL BUF

Eurofins TestAmerica, Buffalo

Lab Chronicle

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

Job ID: 480-167686-1

Client Sample ID: S-2

Date Collected: 03/18/20 13:30

Date Received: 03/19/20 15:05

Lab Sample ID: 480-167686-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3005A			522440	03/23/20 08:18	KMP	TAL BUF
Total/NA	Analysis	6010C		1	522908	03/24/20 18:27	AMH	TAL BUF
Total/NA	Prep	7470A			522603	03/23/20 11:46	BMB	TAL BUF
Total/NA	Analysis	7470A_ASP		1	522663	03/23/20 14:35	BMB	TAL BUF
Total/NA	Prep	9012B			522649	03/23/20 12:15	JRF	TAL BUF
Total/NA	Analysis	9012B		1	522665	03/23/20 14:50	JRF	TAL BUF

Client Sample ID: S-3

Date Collected: 03/18/20 14:15

Date Received: 03/19/20 15:05

Lab Sample ID: 480-167686-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	522544	03/23/20 15:39	AMM	TAL BUF
Total/NA	Prep	3510C			522863	03/24/20 15:36	ATG	TAL BUF
Total/NA	Analysis	8270D		5	522952	03/25/20 18:21	JMM	TAL BUF
Total/NA	Prep	3510C			522762	03/24/20 09:04	JMP	TAL BUF
Total/NA	Analysis	8081B		1	522756	03/24/20 16:36	JLS	TAL BUF
Total/NA	Prep	3510C			522939	03/25/20 08:43	JMP	TAL BUF
Total/NA	Analysis	8082A		1	523175	03/26/20 17:20	W1T	TAL BUF
Total/NA	Prep	3005A			522440	03/23/20 08:18	KMP	TAL BUF
Total/NA	Analysis	6010C		1	522908	03/24/20 18:31	AMH	TAL BUF
Total/NA	Prep	7470A			522603	03/23/20 11:46	BMB	TAL BUF
Total/NA	Analysis	7470A_ASP		1	522663	03/23/20 14:36	BMB	TAL BUF
Total/NA	Prep	9012B			522649	03/23/20 12:15	JRF	TAL BUF
Total/NA	Analysis	9012B		1	522665	03/23/20 14:54	JRF	TAL BUF

Client Sample ID: DUP

Date Collected: 03/18/20 14:15

Date Received: 03/19/20 15:05

Lab Sample ID: 480-167686-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	522544	03/23/20 16:04	AMM	TAL BUF
Total/NA	Prep	3510C			522863	03/24/20 15:36	ATG	TAL BUF
Total/NA	Analysis	8270D		1	522952	03/25/20 18:50	JMM	TAL BUF
Total/NA	Prep	3510C			522762	03/24/20 09:04	JMP	TAL BUF
Total/NA	Analysis	8081B		1	522756	03/24/20 16:55	JLS	TAL BUF
Total/NA	Prep	3510C			522939	03/25/20 08:43	JMP	TAL BUF
Total/NA	Analysis	8082A		1	523175	03/26/20 17:33	W1T	TAL BUF
Total/NA	Prep	3005A			522440	03/23/20 08:18	KMP	TAL BUF
Total/NA	Analysis	6010C		1	522908	03/24/20 18:35	AMH	TAL BUF
Total/NA	Prep	7470A			522603	03/23/20 11:46	BMB	TAL BUF
Total/NA	Analysis	7470A_ASP		1	522663	03/23/20 14:40	BMB	TAL BUF
Total/NA	Prep	9012B			522649	03/23/20 12:15	JRF	TAL BUF
Total/NA	Analysis	9012B		1	522665	03/23/20 14:55	JRF	TAL BUF

Eurofins TestAmerica, Buffalo

Lab Chronicle

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

Job ID: 480-167686-1

Client Sample ID: RW-4

Lab Sample ID: 480-167686-6

Date Collected: 03/19/20 11:45

Matrix: Water

Date Received: 03/19/20 15:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	522544	03/23/20 16:28	AMM	TAL BUF
Total/NA	Prep	3510C			522863	03/24/20 15:36	ATG	TAL BUF
Total/NA	Analysis	8270D		1	522952	03/25/20 19:19	JMM	TAL BUF
Total/NA	Prep	3510C			522939	03/25/20 08:43	JMP	TAL BUF
Total/NA	Analysis	8082A		1	523175	03/26/20 19:02	W1T	TAL BUF

Client Sample ID: RW-5

Lab Sample ID: 480-167686-7

Date Collected: 03/19/20 13:55

Matrix: Water

Date Received: 03/19/20 15:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	522544	03/23/20 16:52	AMM	TAL BUF
Total/NA	Prep	3510C			522863	03/24/20 15:36	ATG	TAL BUF
Total/NA	Analysis	8270D		1	522952	03/25/20 19:48	JMM	TAL BUF
Total/NA	Prep	3510C			522939	03/25/20 08:43	JMP	TAL BUF
Total/NA	Analysis	8082A		1	523175	03/26/20 19:15	W1T	TAL BUF

Laboratory References:

TAL BUF = Eurofins 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

Job ID: 480-167686-1

Laboratory: Eurofins TestAmerica, Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-01-20

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

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

Job ID: 480-167686-1

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
3005A	Preparation, Total Metals	SW846	TAL BUF
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF
7470A	Preparation, Mercury	SW846	TAL BUF
9012B	Cyanide, Total and/or Amenable, Distillation	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 = Eurofins 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

Job ID: 480-167686-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-167686-1	S-4	Water	03/18/20 11:30	03/19/20 15:05	
480-167686-2	S-1	Water	03/18/20 13:00	03/19/20 15:05	
480-167686-3	S-2	Water	03/18/20 13:30	03/19/20 15:05	
480-167686-4	S-3	Water	03/18/20 14:15	03/19/20 15:05	
480-167686-5	DUP	Water	03/18/20 14:15	03/19/20 15:05	
480-167686-6	RW-4	Water	03/19/20 11:45	03/19/20 15:05	
480-167686-7	RW-5	Water	03/19/20 13:55	03/19/20 15:05	

Quantitation Limit Exceptions Summary

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

Job ID: 480-167686-1

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	Analyte	Matrix	Prep Type	Unit	Client RL	Lab PQL
6010C	Arsenic	Water	Total/NA	mg/L	0.010	0.015
6010C	Cadmium	Water	Total/NA	mg/L	0.0010	0.002
6010C	Lead	Water	Total/NA	mg/L	0.0050	0.01
6010C	Selenium	Water	Total/NA	mg/L	0.015	0.025
6010C	Silver	Water	Total/NA	mg/L	0.0030	0.006

Login Sample Receipt Checklist

Client: Groundwater & Environmental Services Inc

Job Number: 480-167686-1

Login Number: 167686

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Sabuda, Brendan D

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	3.9 4.7 3.2 5.6 #1 ICE
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.	N/A	

ANALYTICAL REPORT

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

Laboratory Job ID: 480-177100-1

Client Project/Site: Cherry Farms Annual GW Sample

For:

Groundwater & Environmental Services Inc
415 Lawrence Bell Drive
Suite 6
Williamsville, New York 14221

Attn: Thomas Palmer



Authorized for release by:
11/6/2020 7:24:56 AM

Orlette Johnson, Senior Project Manager
(484)685-0864
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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 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

Job ID: 480-177100-1

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.

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.

Metals

Qualifier	Qualifier Description
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC 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.

General Chemistry

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control 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
CFU	Colony Forming Unit
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)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
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)
TNTC	Too Numerous To Count

Case Narrative

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

Job ID: 480-177100-1

Job ID: 480-177100-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative 480-177100-1

Receipt

The samples were received on 10/23/2020 11:45 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 3.2° C and 4.2° C.

GC/MS VOA

Method 8260C: The following volatiles samples were diluted due to foaming at the time of purging during the original sample analysis: MW-4 (480-177100-1), MW-5 (480-177100-2), MW-6 (480-177100-3), MW-6 (480-177100-3[MS]), MW-6 (480-177100-3[MSD]), S-1 (480-177100-4), S-2 (480-177100-5), S-3 (480-177100-6), S-4 (480-177100-7), DUP (480-177100-8) and RW-4 (480-177100-9). 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 8270D: The following samples were diluted due to the nature of the sample matrix: S-3 (480-177100-6) and S-4 (480-177100-7). 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 8082A: The following samples are associated with a continuing calibration verification (CCV 480-556507/7 and CCV 480-556507/33) that had recoveries for the surrogate Tetrachloro-m-xylene that were below acceptance limits: S-2 (480-177100-5), S-3 (480-177100-6), S-4 (480-177100-7) and DUP (480-177100-8). The secondary surrogate Decachlorobiphenyl is within limits. Therefore, the data has been reported.

Method 8082A: The continuing calibration verification (CCV) associated with batch 480-556507 recovered above the upper control limit for PCB-1016 and PCB-1260. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: S-2 (480-177100-5), S-3 (480-177100-6), S-4 (480-177100-7) and DUP (480-177100-8).

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

Metals

Method 6010C: The interference check standard solution (ICSA) associated with the following samples showed results for Barium at a level greater than 2 times the limit of detection (LOD). It is believed that the solution contains trace impurities of this element / these elements and the results are not due to matrix interference. These results are consistent with those found by the manufacturer of the ICSA solution. S-1 (480-177100-4), S-2 (480-177100-5), S-3 (480-177100-6), S-4 (480-177100-7), DUP (480-177100-8), (LCS 480-556371/2-A), (LCSD 480-556371/23-A) and (MB 480-556371/1-A)

No additional analytical or quality issues were noted, other than those described above or 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 3510C: Due to the matrix, the initial volume(s) used for the following sample deviated from the standard procedure: S-1 (480-177100-4). The reporting limits (RLs) have been adjusted proportionately.

Method 3510C: During pH adjustment, the following sample required a drop of acid to reach the desired pH: S-2 (480-177100-5). 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

Job ID: 480-177100-1

Client Sample ID: MW-4

Lab Sample ID: 480-177100-1

No Detections.

Client Sample ID: MW-5

Lab Sample ID: 480-177100-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	21		20	6.0	ug/L	2		8260C	Total/NA

Client Sample ID: MW-6

Lab Sample ID: 480-177100-3

No Detections.

Client Sample ID: S-1

Lab Sample ID: 480-177100-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2,4-Dimethylphenol	38		5.0	0.50	ug/L	1		8270D	Total/NA
2-Methylphenol	1.3	J	5.0	0.40	ug/L	1		8270D	Total/NA
Acenaphthene	0.74	J	5.0	0.41	ug/L	1		8270D	Total/NA
Anthracene	0.83	J	5.0	0.28	ug/L	1		8270D	Total/NA
Carbazole	0.90	J	5.0	0.30	ug/L	1		8270D	Total/NA
Pyrene	0.34	J	5.0	0.34	ug/L	1		8270D	Total/NA
PCB-1242	0.24	J	0.50	0.18	ug/L	1		8082A	Total/NA
Barium	0.13	^	0.0020	0.00070	mg/L	1		6010C	Total/NA
Calcium	53.7		0.50	0.10	mg/L	1		6010C	Total/NA
Iron	4.9		0.050	0.019	mg/L	1		6010C	Total/NA
Magnesium	11.3		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	0.66		0.0030	0.00040	mg/L	1		6010C	Total/NA
Nickel	0.0015	J	0.010	0.0013	mg/L	1		6010C	Total/NA
Potassium	17.6		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	71.5		1.0	0.32	mg/L	1		6010C	Total/NA

Client Sample ID: S-2

Lab Sample ID: 480-177100-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichloroethene, Total	34		8.0	3.2	ug/L	4		8260C	Total/NA
Trichloroethene	1.9	J	4.0	1.8	ug/L	4		8260C	Total/NA
Vinyl chloride	9.7		4.0	3.6	ug/L	4		8260C	Total/NA
2,4,5-Trichlorophenol	0.53	J	5.0	0.48	ug/L	1		8270D	Total/NA
2,4-Dimethylphenol	0.66	J	5.0	0.50	ug/L	1		8270D	Total/NA
Carbazole	0.35	J	5.0	0.30	ug/L	1		8270D	Total/NA
4,4'-DDT	0.011	J	0.050	0.011	ug/L	1		8081B	Total/NA
gamma-BHC (Lindane)	0.0088	J	0.050	0.0080	ug/L	1		8081B	Total/NA
trans-Chlordane	0.040	J	0.050	0.011	ug/L	1		8081B	Total/NA
Aluminum	0.18	J	0.20	0.060	mg/L	1		6010C	Total/NA
Barium	0.048	^	0.0020	0.00070	mg/L	1		6010C	Total/NA
Calcium	53.0		0.50	0.10	mg/L	1		6010C	Total/NA
Iron	0.16		0.050	0.019	mg/L	1		6010C	Total/NA
Magnesium	0.23		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	0.013		0.0030	0.00040	mg/L	1		6010C	Total/NA
Nickel	0.0027	J	0.010	0.0013	mg/L	1		6010C	Total/NA
Potassium	30.6		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	65.5		1.0	0.32	mg/L	1		6010C	Total/NA
Vanadium	0.0052		0.0050	0.0015	mg/L	1		6010C	Total/NA
Zinc	0.0031	J	0.010	0.0015	mg/L	1		6010C	Total/NA
Cyanide, Total	0.023	F1	0.010	0.0050	mg/L	1		9012B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

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

Job ID: 480-177100-1

Client Sample ID: S-3

Lab Sample ID: 480-177100-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	2.0		2.0	0.76	ug/L	2		8260C	Total/NA
2,4-Dimethylphenol	49		25	2.5	ug/L	5		8270D	Total/NA
2-Methylphenol	20	J	25	2.0	ug/L	5		8270D	Total/NA
4-Methylphenol	41	J	50	1.8	ug/L	5		8270D	Total/NA
4,4'-DDT	0.011	J	0.050	0.011	ug/L	1		8081B	Total/NA
PCB-1242	0.63		0.50	0.18	ug/L	1		8082A	Total/NA
Aluminum	0.29		0.20	0.060	mg/L	1		6010C	Total/NA
Barium	0.044	^	0.0020	0.00070	mg/L	1		6010C	Total/NA
Calcium	67.0		0.50	0.10	mg/L	1		6010C	Total/NA
Copper	0.0021	J	0.010	0.0016	mg/L	1		6010C	Total/NA
Iron	0.069		0.050	0.019	mg/L	1		6010C	Total/NA
Magnesium	0.43		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	0.0083		0.0030	0.00040	mg/L	1		6010C	Total/NA
Nickel	0.0021	J	0.010	0.0013	mg/L	1		6010C	Total/NA
Potassium	46.1		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	181		1.0	0.32	mg/L	1		6010C	Total/NA
Vanadium	0.0051		0.0050	0.0015	mg/L	1		6010C	Total/NA
Zinc	0.038		0.010	0.0015	mg/L	1		6010C	Total/NA
Cyanide, Total	0.044		0.010	0.0050	mg/L	1		9012B	Total/NA

Client Sample ID: S-4

Lab Sample ID: 480-177100-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Xylenes, Total	1.9	J	4.0	1.3	ug/L	2		8260C	Total/NA
2,4-Dimethylphenol	24	J	25	2.5	ug/L	5		8270D	Total/NA
2-Methylphenol	9.2	J	25	2.0	ug/L	5		8270D	Total/NA
Naphthalene	7.4	J	25	3.8	ug/L	5		8270D	Total/NA
PCB-1232	2.6		0.50	0.18	ug/L	1		8082A	Total/NA
Aluminum	0.19	J	0.20	0.060	mg/L	1		6010C	Total/NA
Barium	0.032	^	0.0020	0.00070	mg/L	1		6010C	Total/NA
Calcium	117		0.50	0.10	mg/L	1		6010C	Total/NA
Iron	0.083		0.050	0.019	mg/L	1		6010C	Total/NA
Magnesium	4.4		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	0.11		0.0030	0.00040	mg/L	1		6010C	Total/NA
Nickel	0.0016	J	0.010	0.0013	mg/L	1		6010C	Total/NA
Potassium	74.4		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	180		1.0	0.32	mg/L	1		6010C	Total/NA
Vanadium	0.0052		0.0050	0.0015	mg/L	1		6010C	Total/NA
Cyanide, Total	0.022	F1	0.010	0.0050	mg/L	1		9012B	Total/NA

Client Sample ID: DUP

Lab Sample ID: 480-177100-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	1.8	J	2.0	0.76	ug/L	2		8260C	Total/NA
2,4,5-Trichlorophenol	1.4	J	5.0	0.48	ug/L	1		8270D	Total/NA
2,4-Dimethylphenol	53		5.0	0.50	ug/L	1		8270D	Total/NA
2-Methylphenol	22		5.0	0.40	ug/L	1		8270D	Total/NA
4-Methylphenol	45		10	0.36	ug/L	1		8270D	Total/NA
Acenaphthene	0.69	J	5.0	0.41	ug/L	1		8270D	Total/NA
Carbazole	0.50	J	5.0	0.30	ug/L	1		8270D	Total/NA
Fluorene	0.57	J	5.0	0.36	ug/L	1		8270D	Total/NA
Phenanthrene	0.81	J	5.0	0.44	ug/L	1		8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

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

Job ID: 480-177100-1

Client Sample ID: DUP (Continued)

Lab Sample ID: 480-177100-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDT	0.011	J	0.050	0.011	ug/L	1		8081B	Total/NA
PCB-1242	0.55		0.50	0.18	ug/L	1		8082A	Total/NA
Aluminum	0.27		0.20	0.060	mg/L	1		6010C	Total/NA
Arsenic	0.0063	J	0.010	0.0056	mg/L	1		6010C	Total/NA
Barium	0.043	^	0.0020	0.00070	mg/L	1		6010C	Total/NA
Calcium	66.1		0.50	0.10	mg/L	1		6010C	Total/NA
Copper	0.0019	J	0.010	0.0016	mg/L	1		6010C	Total/NA
Iron	0.086		0.050	0.019	mg/L	1		6010C	Total/NA
Magnesium	0.52		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	0.0095		0.0030	0.00040	mg/L	1		6010C	Total/NA
Nickel	0.0024	J	0.010	0.0013	mg/L	1		6010C	Total/NA
Potassium	45.0		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	177		1.0	0.32	mg/L	1		6010C	Total/NA
Vanadium	0.0050		0.0050	0.0015	mg/L	1		6010C	Total/NA
Zinc	0.041		0.010	0.0015	mg/L	1		6010C	Total/NA
Cyanide, Total	0.049		0.010	0.0050	mg/L	1		9012B	Total/NA

Client Sample ID: RW-4

Lab Sample ID: 480-177100-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	12		2.0	0.82	ug/L	2		8260C	Total/NA
Ethylbenzene	6.2		2.0	1.5	ug/L	2		8260C	Total/NA
Xylenes, Total	2.6	J	4.0	1.3	ug/L	2		8260C	Total/NA
Acenaphthene	0.45	J	5.0	0.41	ug/L	1		8270D	Total/NA
Acenaphthylene	0.58	J	5.0	0.38	ug/L	1		8270D	Total/NA
Diethyl phthalate	1.9	J	5.0	0.22	ug/L	1		8270D	Total/NA

Client Sample ID: RW-5

Lab Sample ID: 480-177100-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.58	J	1.0	0.41	ug/L	1		8260C	Total/NA
Diethyl phthalate	0.74	J	5.0	0.22	ug/L	1		8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-177100-1

Client Sample ID: MW-4

Lab Sample ID: 480-177100-1

Date Collected: 10/22/20 12:45

Matrix: Water

Date Received: 10/23/20 11:45

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			10/26/20 18:12	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			10/26/20 18:12	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			10/26/20 18:12	2
1,1-Dichloroethane	ND		2.0	0.76	ug/L			10/26/20 18:12	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			10/26/20 18:12	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			10/26/20 18:12	2
1,2-Dichloroethene, Total	ND		4.0	1.6	ug/L			10/26/20 18:12	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			10/26/20 18:12	2
2-Butanone (MEK)	ND		20	2.6	ug/L			10/26/20 18:12	2
2-Hexanone	ND		10	2.5	ug/L			10/26/20 18:12	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			10/26/20 18:12	2
Acetone	ND		20	6.0	ug/L			10/26/20 18:12	2
Benzene	ND		2.0	0.82	ug/L			10/26/20 18:12	2
Bromoform	ND		2.0	0.52	ug/L			10/26/20 18:12	2
Bromomethane	ND		2.0	1.4	ug/L			10/26/20 18:12	2
Carbon disulfide	ND		2.0	0.38	ug/L			10/26/20 18:12	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			10/26/20 18:12	2
Chlorobenzene	ND		2.0	1.5	ug/L			10/26/20 18:12	2
Dibromochloromethane	ND		2.0	0.64	ug/L			10/26/20 18:12	2
Chloroethane	ND		2.0	0.64	ug/L			10/26/20 18:12	2
Chloroform	ND		2.0	0.68	ug/L			10/26/20 18:12	2
Chloromethane	ND		2.0	0.70	ug/L			10/26/20 18:12	2
Bromodichloromethane	ND		2.0	0.78	ug/L			10/26/20 18:12	2
Ethylbenzene	ND		2.0	1.5	ug/L			10/26/20 18:12	2
Methylene Chloride	ND		2.0	0.88	ug/L			10/26/20 18:12	2
Tetrachloroethene	ND		2.0	0.72	ug/L			10/26/20 18:12	2
Toluene	ND		2.0	1.0	ug/L			10/26/20 18:12	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			10/26/20 18:12	2
Trichloroethene	ND		2.0	0.92	ug/L			10/26/20 18:12	2
Vinyl chloride	ND		2.0	1.8	ug/L			10/26/20 18:12	2
Xylenes, Total	ND		4.0	1.3	ug/L			10/26/20 18:12	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			10/26/20 18:12	2
Styrene	ND		2.0	1.5	ug/L			10/26/20 18:12	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		77 - 120		10/26/20 18:12	2
4-Bromofluorobenzene (Surr)	108		73 - 120		10/26/20 18:12	2
Toluene-d8 (Surr)	101		80 - 120		10/26/20 18:12	2
Dibromofluoromethane (Surr)	112		75 - 123		10/26/20 18:12	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		10/28/20 08:42	11/03/20 00:33	1
1,2,4-Trichlorobenzene	ND		10	0.44	ug/L		10/28/20 08:42	11/03/20 00:33	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		10/28/20 08:42	11/03/20 00:33	1
1,2-Dichlorobenzene	ND		10	0.40	ug/L		10/28/20 08:42	11/03/20 00:33	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		10/28/20 08:42	11/03/20 00:33	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		10/28/20 08:42	11/03/20 00:33	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		10/28/20 08:42	11/03/20 00:33	1
1,3-Dichlorobenzene	ND		10	0.48	ug/L		10/28/20 08:42	11/03/20 00:33	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-177100-1

Client Sample ID: MW-4

Lab Sample ID: 480-177100-1

Date Collected: 10/22/20 12:45

Matrix: Water

Date Received: 10/23/20 11:45

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		10/28/20 08:42	11/03/20 00:33	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		10/28/20 08:42	11/03/20 00:33	1
1,4-Dichlorobenzene	ND		10	0.46	ug/L		10/28/20 08:42	11/03/20 00:33	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		10/28/20 08:42	11/03/20 00:33	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		10/28/20 08:42	11/03/20 00:33	1
2-Chlorophenol	ND		5.0	0.53	ug/L		10/28/20 08:42	11/03/20 00:33	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		10/28/20 08:42	11/03/20 00:33	1
2-Methylphenol	ND		5.0	0.40	ug/L		10/28/20 08:42	11/03/20 00:33	1
2-Nitroaniline	ND		10	0.42	ug/L		10/28/20 08:42	11/03/20 00:33	1
2-Nitrophenol	ND		5.0	0.48	ug/L		10/28/20 08:42	11/03/20 00:33	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		10/28/20 08:42	11/03/20 00:33	1
3-Nitroaniline	ND		10	0.48	ug/L		10/28/20 08:42	11/03/20 00:33	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		10/28/20 08:42	11/03/20 00:33	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		10/28/20 08:42	11/03/20 00:33	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		10/28/20 08:42	11/03/20 00:33	1
4-Chloroaniline	ND		5.0	0.59	ug/L		10/28/20 08:42	11/03/20 00:33	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		10/28/20 08:42	11/03/20 00:33	1
4-Methylphenol	ND		10	0.36	ug/L		10/28/20 08:42	11/03/20 00:33	1
4-Nitroaniline	ND		10	0.25	ug/L		10/28/20 08:42	11/03/20 00:33	1
4-Nitrophenol	ND		10	1.5	ug/L		10/28/20 08:42	11/03/20 00:33	1
Acenaphthene	ND		5.0	0.41	ug/L		10/28/20 08:42	11/03/20 00:33	1
Acenaphthylene	ND		5.0	0.38	ug/L		10/28/20 08:42	11/03/20 00:33	1
Anthracene	ND		5.0	0.28	ug/L		10/28/20 08:42	11/03/20 00:33	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		10/28/20 08:42	11/03/20 00:33	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		10/28/20 08:42	11/03/20 00:33	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		10/28/20 08:42	11/03/20 00:33	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		10/28/20 08:42	11/03/20 00:33	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		10/28/20 08:42	11/03/20 00:33	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		10/28/20 08:42	11/03/20 00:33	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		10/28/20 08:42	11/03/20 00:33	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		10/28/20 08:42	11/03/20 00:33	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		10/28/20 08:42	11/03/20 00:33	1
Carbazole	ND		5.0	0.30	ug/L		10/28/20 08:42	11/03/20 00:33	1
Chrysene	ND		5.0	0.33	ug/L		10/28/20 08:42	11/03/20 00:33	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		10/28/20 08:42	11/03/20 00:33	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		10/28/20 08:42	11/03/20 00:33	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		10/28/20 08:42	11/03/20 00:33	1
Dibenzofuran	ND		10	0.51	ug/L		10/28/20 08:42	11/03/20 00:33	1
Diethyl phthalate	ND		5.0	0.22	ug/L		10/28/20 08:42	11/03/20 00:33	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		10/28/20 08:42	11/03/20 00:33	1
Fluoranthene	ND		5.0	0.40	ug/L		10/28/20 08:42	11/03/20 00:33	1
Fluorene	ND		5.0	0.36	ug/L		10/28/20 08:42	11/03/20 00:33	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		10/28/20 08:42	11/03/20 00:33	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		10/28/20 08:42	11/03/20 00:33	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		10/28/20 08:42	11/03/20 00:33	1
Hexachloroethane	ND		5.0	0.59	ug/L		10/28/20 08:42	11/03/20 00:33	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		10/28/20 08:42	11/03/20 00:33	1
Isophorone	ND		5.0	0.43	ug/L		10/28/20 08:42	11/03/20 00:33	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		10/28/20 08:42	11/03/20 00:33	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-177100-1

Client Sample ID: MW-4

Date Collected: 10/22/20 12:45

Date Received: 10/23/20 11:45

Lab Sample ID: 480-177100-1

Matrix: Water

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		10/28/20 08:42	11/03/20 00:33	1
Naphthalene	ND		5.0	0.76	ug/L		10/28/20 08:42	11/03/20 00:33	1
Nitrobenzene	ND		5.0	0.29	ug/L		10/28/20 08:42	11/03/20 00:33	1
Pentachlorophenol	ND		10	2.2	ug/L		10/28/20 08:42	11/03/20 00:33	1
Phenanthrene	ND		5.0	0.44	ug/L		10/28/20 08:42	11/03/20 00:33	1
Phenol	ND		5.0	0.39	ug/L		10/28/20 08:42	11/03/20 00:33	1
Pyrene	ND		5.0	0.34	ug/L		10/28/20 08:42	11/03/20 00:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	93		41 - 120	10/28/20 08:42	11/03/20 00:33	1
2-Fluorobiphenyl	99		48 - 120	10/28/20 08:42	11/03/20 00:33	1
2-Fluorophenol	69		35 - 120	10/28/20 08:42	11/03/20 00:33	1
Nitrobenzene-d5	100		46 - 120	10/28/20 08:42	11/03/20 00:33	1
p-Terphenyl-d14	85		60 - 148	10/28/20 08:42	11/03/20 00:33	1
Phenol-d5	52		22 - 120	10/28/20 08:42	11/03/20 00:33	1

Client Sample ID: MW-5

Date Collected: 10/22/20 13:15

Date Received: 10/23/20 11:45

Lab Sample ID: 480-177100-2

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		2.0	1.6	ug/L			10/26/20 18:36	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			10/26/20 18:36	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			10/26/20 18:36	2
1,1-Dichloroethane	ND		2.0	0.76	ug/L			10/26/20 18:36	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			10/26/20 18:36	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			10/26/20 18:36	2
1,2-Dichloroethene, Total	ND		4.0	1.6	ug/L			10/26/20 18:36	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			10/26/20 18:36	2
2-Butanone (MEK)	ND		20	2.6	ug/L			10/26/20 18:36	2
2-Hexanone	ND		10	2.5	ug/L			10/26/20 18:36	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			10/26/20 18:36	2
Acetone	21		20	6.0	ug/L			10/26/20 18:36	2
Benzene	ND		2.0	0.82	ug/L			10/26/20 18:36	2
Bromoform	ND		2.0	0.52	ug/L			10/26/20 18:36	2
Bromomethane	ND		2.0	1.4	ug/L			10/26/20 18:36	2
Carbon disulfide	ND		2.0	0.38	ug/L			10/26/20 18:36	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			10/26/20 18:36	2
Chlorobenzene	ND		2.0	1.5	ug/L			10/26/20 18:36	2
Dibromochloromethane	ND		2.0	0.64	ug/L			10/26/20 18:36	2
Chloroethane	ND		2.0	0.64	ug/L			10/26/20 18:36	2
Chloroform	ND		2.0	0.68	ug/L			10/26/20 18:36	2
Chloromethane	ND		2.0	0.70	ug/L			10/26/20 18:36	2
Bromodichloromethane	ND		2.0	0.78	ug/L			10/26/20 18:36	2
Ethylbenzene	ND		2.0	1.5	ug/L			10/26/20 18:36	2
Methylene Chloride	ND		2.0	0.88	ug/L			10/26/20 18:36	2
Tetrachloroethene	ND		2.0	0.72	ug/L			10/26/20 18:36	2
Toluene	ND		2.0	1.0	ug/L			10/26/20 18:36	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			10/26/20 18:36	2

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-177100-1

Client Sample ID: MW-5

Lab Sample ID: 480-177100-2

Date Collected: 10/22/20 13:15

Matrix: Water

Date Received: 10/23/20 11:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		2.0	0.92	ug/L			10/26/20 18:36	2
Vinyl chloride	ND		2.0	1.8	ug/L			10/26/20 18:36	2
Xylenes, Total	ND		4.0	1.3	ug/L			10/26/20 18:36	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			10/26/20 18:36	2
Styrene	ND		2.0	1.5	ug/L			10/26/20 18:36	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		77 - 120		10/26/20 18:36	2
4-Bromofluorobenzene (Surr)	93		73 - 120		10/26/20 18:36	2
Toluene-d8 (Surr)	91		80 - 120		10/26/20 18:36	2
Dibromofluoromethane (Surr)	110		75 - 123		10/26/20 18:36	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		10/28/20 08:42	11/03/20 01:00	1
1,2,4-Trichlorobenzene	ND		10	0.44	ug/L		10/28/20 08:42	11/03/20 01:00	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		10/28/20 08:42	11/03/20 01:00	1
1,2-Dichlorobenzene	ND		10	0.40	ug/L		10/28/20 08:42	11/03/20 01:00	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		10/28/20 08:42	11/03/20 01:00	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		10/28/20 08:42	11/03/20 01:00	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		10/28/20 08:42	11/03/20 01:00	1
1,3-Dichlorobenzene	ND		10	0.48	ug/L		10/28/20 08:42	11/03/20 01:00	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		10/28/20 08:42	11/03/20 01:00	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		10/28/20 08:42	11/03/20 01:00	1
1,4-Dichlorobenzene	ND		10	0.46	ug/L		10/28/20 08:42	11/03/20 01:00	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		10/28/20 08:42	11/03/20 01:00	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		10/28/20 08:42	11/03/20 01:00	1
2-Chlorophenol	ND		5.0	0.53	ug/L		10/28/20 08:42	11/03/20 01:00	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		10/28/20 08:42	11/03/20 01:00	1
2-Methylphenol	ND		5.0	0.40	ug/L		10/28/20 08:42	11/03/20 01:00	1
2-Nitroaniline	ND		10	0.42	ug/L		10/28/20 08:42	11/03/20 01:00	1
2-Nitrophenol	ND		5.0	0.48	ug/L		10/28/20 08:42	11/03/20 01:00	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		10/28/20 08:42	11/03/20 01:00	1
3-Nitroaniline	ND		10	0.48	ug/L		10/28/20 08:42	11/03/20 01:00	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		10/28/20 08:42	11/03/20 01:00	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		10/28/20 08:42	11/03/20 01:00	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		10/28/20 08:42	11/03/20 01:00	1
4-Chloroaniline	ND		5.0	0.59	ug/L		10/28/20 08:42	11/03/20 01:00	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		10/28/20 08:42	11/03/20 01:00	1
4-Methylphenol	ND		10	0.36	ug/L		10/28/20 08:42	11/03/20 01:00	1
4-Nitroaniline	ND		10	0.25	ug/L		10/28/20 08:42	11/03/20 01:00	1
4-Nitrophenol	ND		10	1.5	ug/L		10/28/20 08:42	11/03/20 01:00	1
Acenaphthene	ND		5.0	0.41	ug/L		10/28/20 08:42	11/03/20 01:00	1
Acenaphthylene	ND		5.0	0.38	ug/L		10/28/20 08:42	11/03/20 01:00	1
Anthracene	ND		5.0	0.28	ug/L		10/28/20 08:42	11/03/20 01:00	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		10/28/20 08:42	11/03/20 01:00	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		10/28/20 08:42	11/03/20 01:00	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		10/28/20 08:42	11/03/20 01:00	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		10/28/20 08:42	11/03/20 01:00	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		10/28/20 08:42	11/03/20 01:00	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-177100-1

Client Sample ID: MW-5

Date Collected: 10/22/20 13:15

Date Received: 10/23/20 11:45

Lab Sample ID: 480-177100-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		10/28/20 08:42	11/03/20 01:00	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		10/28/20 08:42	11/03/20 01:00	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		10/28/20 08:42	11/03/20 01:00	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		10/28/20 08:42	11/03/20 01:00	1
Carbazole	ND		5.0	0.30	ug/L		10/28/20 08:42	11/03/20 01:00	1
Chrysene	ND		5.0	0.33	ug/L		10/28/20 08:42	11/03/20 01:00	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		10/28/20 08:42	11/03/20 01:00	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		10/28/20 08:42	11/03/20 01:00	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		10/28/20 08:42	11/03/20 01:00	1
Dibenzofuran	ND		10	0.51	ug/L		10/28/20 08:42	11/03/20 01:00	1
Diethyl phthalate	ND		5.0	0.22	ug/L		10/28/20 08:42	11/03/20 01:00	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		10/28/20 08:42	11/03/20 01:00	1
Fluoranthene	ND		5.0	0.40	ug/L		10/28/20 08:42	11/03/20 01:00	1
Fluorene	ND		5.0	0.36	ug/L		10/28/20 08:42	11/03/20 01:00	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		10/28/20 08:42	11/03/20 01:00	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		10/28/20 08:42	11/03/20 01:00	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		10/28/20 08:42	11/03/20 01:00	1
Hexachloroethane	ND		5.0	0.59	ug/L		10/28/20 08:42	11/03/20 01:00	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		10/28/20 08:42	11/03/20 01:00	1
Isophorone	ND		5.0	0.43	ug/L		10/28/20 08:42	11/03/20 01:00	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		10/28/20 08:42	11/03/20 01:00	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		10/28/20 08:42	11/03/20 01:00	1
Naphthalene	ND		5.0	0.76	ug/L		10/28/20 08:42	11/03/20 01:00	1
Nitrobenzene	ND		5.0	0.29	ug/L		10/28/20 08:42	11/03/20 01:00	1
Pentachlorophenol	ND		10	2.2	ug/L		10/28/20 08:42	11/03/20 01:00	1
Phenanthrene	ND		5.0	0.44	ug/L		10/28/20 08:42	11/03/20 01:00	1
Phenol	ND		5.0	0.39	ug/L		10/28/20 08:42	11/03/20 01:00	1
Pyrene	ND		5.0	0.34	ug/L		10/28/20 08:42	11/03/20 01:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	100		41 - 120				10/28/20 08:42	11/03/20 01:00	1
2-Fluorobiphenyl	103		48 - 120				10/28/20 08:42	11/03/20 01:00	1
2-Fluorophenol	72		35 - 120				10/28/20 08:42	11/03/20 01:00	1
Nitrobenzene-d5	102		46 - 120				10/28/20 08:42	11/03/20 01:00	1
p-Terphenyl-d14	89		60 - 148				10/28/20 08:42	11/03/20 01:00	1
Phenol-d5	54		22 - 120				10/28/20 08:42	11/03/20 01:00	1

Client Sample ID: MW-6

Date Collected: 10/22/20 14:30

Date Received: 10/23/20 11:45

Lab Sample ID: 480-177100-3

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		2.0	1.6	ug/L			10/26/20 19:00	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			10/26/20 19:00	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			10/26/20 19:00	2
1,1-Dichloroethane	ND		2.0	0.76	ug/L			10/26/20 19:00	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			10/26/20 19:00	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			10/26/20 19:00	2
1,2-Dichloroethene, Total	ND		4.0	1.6	ug/L			10/26/20 19:00	2

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-177100-1

Client Sample ID: MW-6

Lab Sample ID: 480-177100-3

Date Collected: 10/22/20 14:30

Matrix: Water

Date Received: 10/23/20 11:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	ND		2.0	1.4	ug/L			10/26/20 19:00	2
2-Butanone (MEK)	ND		20	2.6	ug/L			10/26/20 19:00	2
2-Hexanone	ND		10	2.5	ug/L			10/26/20 19:00	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			10/26/20 19:00	2
Acetone	ND		20	6.0	ug/L			10/26/20 19:00	2
Benzene	ND		2.0	0.82	ug/L			10/26/20 19:00	2
Bromoform	ND		2.0	0.52	ug/L			10/26/20 19:00	2
Bromomethane	ND		2.0	1.4	ug/L			10/26/20 19:00	2
Carbon disulfide	ND		2.0	0.38	ug/L			10/26/20 19:00	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			10/26/20 19:00	2
Chlorobenzene	ND		2.0	1.5	ug/L			10/26/20 19:00	2
Dibromochloromethane	ND		2.0	0.64	ug/L			10/26/20 19:00	2
Chloroethane	ND		2.0	0.64	ug/L			10/26/20 19:00	2
Chloroform	ND		2.0	0.68	ug/L			10/26/20 19:00	2
Chloromethane	ND		2.0	0.70	ug/L			10/26/20 19:00	2
Bromodichloromethane	ND		2.0	0.78	ug/L			10/26/20 19:00	2
Ethylbenzene	ND		2.0	1.5	ug/L			10/26/20 19:00	2
Methylene Chloride	ND		2.0	0.88	ug/L			10/26/20 19:00	2
Tetrachloroethene	ND		2.0	0.72	ug/L			10/26/20 19:00	2
Toluene	ND		2.0	1.0	ug/L			10/26/20 19:00	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			10/26/20 19:00	2
Trichloroethene	ND		2.0	0.92	ug/L			10/26/20 19:00	2
Vinyl chloride	ND		2.0	1.8	ug/L			10/26/20 19:00	2
Xylenes, Total	ND		4.0	1.3	ug/L			10/26/20 19:00	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			10/26/20 19:00	2
Styrene	ND		2.0	1.5	ug/L			10/26/20 19:00	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		77 - 120		10/26/20 19:00	2
4-Bromofluorobenzene (Surr)	105		73 - 120		10/26/20 19:00	2
Toluene-d8 (Surr)	97		80 - 120		10/26/20 19:00	2
Dibromofluoromethane (Surr)	111		75 - 123		10/26/20 19:00	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		10/28/20 08:42	11/03/20 00:05	1
1,2,4-Trichlorobenzene	ND		10	0.44	ug/L		10/28/20 08:42	11/03/20 00:05	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		10/28/20 08:42	11/03/20 00:05	1
1,2-Dichlorobenzene	ND		10	0.40	ug/L		10/28/20 08:42	11/03/20 00:05	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		10/28/20 08:42	11/03/20 00:05	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		10/28/20 08:42	11/03/20 00:05	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		10/28/20 08:42	11/03/20 00:05	1
1,3-Dichlorobenzene	ND		10	0.48	ug/L		10/28/20 08:42	11/03/20 00:05	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		10/28/20 08:42	11/03/20 00:05	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		10/28/20 08:42	11/03/20 00:05	1
1,4-Dichlorobenzene	ND		10	0.46	ug/L		10/28/20 08:42	11/03/20 00:05	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		10/28/20 08:42	11/03/20 00:05	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		10/28/20 08:42	11/03/20 00:05	1
2-Chlorophenol	ND		5.0	0.53	ug/L		10/28/20 08:42	11/03/20 00:05	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		10/28/20 08:42	11/03/20 00:05	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-177100-1

Client Sample ID: MW-6

Lab Sample ID: 480-177100-3

Date Collected: 10/22/20 14:30

Matrix: Water

Date Received: 10/23/20 11:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		5.0	0.40	ug/L		10/28/20 08:42	11/03/20 00:05	1
2-Nitroaniline	ND		10	0.42	ug/L		10/28/20 08:42	11/03/20 00:05	1
2-Nitrophenol	ND		5.0	0.48	ug/L		10/28/20 08:42	11/03/20 00:05	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		10/28/20 08:42	11/03/20 00:05	1
3-Nitroaniline	ND		10	0.48	ug/L		10/28/20 08:42	11/03/20 00:05	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		10/28/20 08:42	11/03/20 00:05	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		10/28/20 08:42	11/03/20 00:05	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		10/28/20 08:42	11/03/20 00:05	1
4-Chloroaniline	ND		5.0	0.59	ug/L		10/28/20 08:42	11/03/20 00:05	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		10/28/20 08:42	11/03/20 00:05	1
4-Methylphenol	ND		10	0.36	ug/L		10/28/20 08:42	11/03/20 00:05	1
4-Nitroaniline	ND		10	0.25	ug/L		10/28/20 08:42	11/03/20 00:05	1
4-Nitrophenol	ND		10	1.5	ug/L		10/28/20 08:42	11/03/20 00:05	1
Acenaphthene	ND		5.0	0.41	ug/L		10/28/20 08:42	11/03/20 00:05	1
Acenaphthylene	ND		5.0	0.38	ug/L		10/28/20 08:42	11/03/20 00:05	1
Anthracene	ND		5.0	0.28	ug/L		10/28/20 08:42	11/03/20 00:05	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		10/28/20 08:42	11/03/20 00:05	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		10/28/20 08:42	11/03/20 00:05	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		10/28/20 08:42	11/03/20 00:05	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		10/28/20 08:42	11/03/20 00:05	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		10/28/20 08:42	11/03/20 00:05	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		10/28/20 08:42	11/03/20 00:05	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		10/28/20 08:42	11/03/20 00:05	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		10/28/20 08:42	11/03/20 00:05	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		10/28/20 08:42	11/03/20 00:05	1
Carbazole	ND		5.0	0.30	ug/L		10/28/20 08:42	11/03/20 00:05	1
Chrysene	ND		5.0	0.33	ug/L		10/28/20 08:42	11/03/20 00:05	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		10/28/20 08:42	11/03/20 00:05	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		10/28/20 08:42	11/03/20 00:05	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		10/28/20 08:42	11/03/20 00:05	1
Dibenzofuran	ND		10	0.51	ug/L		10/28/20 08:42	11/03/20 00:05	1
Diethyl phthalate	ND		5.0	0.22	ug/L		10/28/20 08:42	11/03/20 00:05	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		10/28/20 08:42	11/03/20 00:05	1
Fluoranthene	ND		5.0	0.40	ug/L		10/28/20 08:42	11/03/20 00:05	1
Fluorene	ND		5.0	0.36	ug/L		10/28/20 08:42	11/03/20 00:05	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		10/28/20 08:42	11/03/20 00:05	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		10/28/20 08:42	11/03/20 00:05	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		10/28/20 08:42	11/03/20 00:05	1
Hexachloroethane	ND		5.0	0.59	ug/L		10/28/20 08:42	11/03/20 00:05	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		10/28/20 08:42	11/03/20 00:05	1
Isophorone	ND		5.0	0.43	ug/L		10/28/20 08:42	11/03/20 00:05	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		10/28/20 08:42	11/03/20 00:05	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		10/28/20 08:42	11/03/20 00:05	1
Naphthalene	ND		5.0	0.76	ug/L		10/28/20 08:42	11/03/20 00:05	1
Nitrobenzene	ND		5.0	0.29	ug/L		10/28/20 08:42	11/03/20 00:05	1
Pentachlorophenol	ND		10	2.2	ug/L		10/28/20 08:42	11/03/20 00:05	1
Phenanthrene	ND		5.0	0.44	ug/L		10/28/20 08:42	11/03/20 00:05	1
Phenol	ND		5.0	0.39	ug/L		10/28/20 08:42	11/03/20 00:05	1
Pyrene	ND		5.0	0.34	ug/L		10/28/20 08:42	11/03/20 00:05	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-177100-1

Client Sample ID: MW-6

Date Collected: 10/22/20 14:30

Date Received: 10/23/20 11:45

Lab Sample ID: 480-177100-3

Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	97		41 - 120	10/28/20 08:42	11/03/20 00:05	1
2-Fluorobiphenyl	100		48 - 120	10/28/20 08:42	11/03/20 00:05	1
2-Fluorophenol	66		35 - 120	10/28/20 08:42	11/03/20 00:05	1
Nitrobenzene-d5	100		46 - 120	10/28/20 08:42	11/03/20 00:05	1
p-Terphenyl-d14	86		60 - 148	10/28/20 08:42	11/03/20 00:05	1
Phenol-d5	49		22 - 120	10/28/20 08:42	11/03/20 00:05	1

Client Sample ID: S-1

Date Collected: 10/22/20 11:00

Date Received: 10/23/20 11:45

Lab Sample ID: 480-177100-4

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		4.0	3.3	ug/L			10/26/20 19:25	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			10/26/20 19:25	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			10/26/20 19:25	4
1,1-Dichloroethane	ND		4.0	1.5	ug/L			10/26/20 19:25	4
1,1-Dichloroethene	ND		4.0	1.2	ug/L			10/26/20 19:25	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			10/26/20 19:25	4
1,2-Dichloroethene, Total	ND		8.0	3.2	ug/L			10/26/20 19:25	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			10/26/20 19:25	4
2-Butanone (MEK)	ND		40	5.3	ug/L			10/26/20 19:25	4
2-Hexanone	ND		20	5.0	ug/L			10/26/20 19:25	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			10/26/20 19:25	4
Acetone	ND		40	12	ug/L			10/26/20 19:25	4
Benzene	ND		4.0	1.6	ug/L			10/26/20 19:25	4
Bromoform	ND		4.0	1.0	ug/L			10/26/20 19:25	4
Bromomethane	ND		4.0	2.8	ug/L			10/26/20 19:25	4
Carbon disulfide	ND		4.0	0.76	ug/L			10/26/20 19:25	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			10/26/20 19:25	4
Chlorobenzene	ND		4.0	3.0	ug/L			10/26/20 19:25	4
Dibromochloromethane	ND		4.0	1.3	ug/L			10/26/20 19:25	4
Chloroethane	ND		4.0	1.3	ug/L			10/26/20 19:25	4
Chloroform	ND		4.0	1.4	ug/L			10/26/20 19:25	4
Chloromethane	ND		4.0	1.4	ug/L			10/26/20 19:25	4
Bromodichloromethane	ND		4.0	1.6	ug/L			10/26/20 19:25	4
Ethylbenzene	ND		4.0	3.0	ug/L			10/26/20 19:25	4
Methylene Chloride	ND		4.0	1.8	ug/L			10/26/20 19:25	4
Tetrachloroethene	ND		4.0	1.4	ug/L			10/26/20 19:25	4
Toluene	ND		4.0	2.0	ug/L			10/26/20 19:25	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			10/26/20 19:25	4
Trichloroethene	ND		4.0	1.8	ug/L			10/26/20 19:25	4
Vinyl chloride	ND		4.0	3.6	ug/L			10/26/20 19:25	4
Xylenes, Total	ND		8.0	2.6	ug/L			10/26/20 19:25	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			10/26/20 19:25	4
Styrene	ND		4.0	2.9	ug/L			10/26/20 19:25	4
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		77 - 120					10/26/20 19:25	4
4-Bromofluorobenzene (Surr)	105		73 - 120					10/26/20 19:25	4
Toluene-d8 (Surr)	98		80 - 120					10/26/20 19:25	4

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-177100-1

Client Sample ID: S-1

Lab Sample ID: 480-177100-4

Date Collected: 10/22/20 11:00

Matrix: Water

Date Received: 10/23/20 11:45

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	111		75 - 123		10/26/20 19:25	4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		10/28/20 08:42	11/03/20 01:28	1
1,2,4-Trichlorobenzene	ND		10	0.44	ug/L		10/28/20 08:42	11/03/20 01:28	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		10/28/20 08:42	11/03/20 01:28	1
1,2-Dichlorobenzene	ND		10	0.40	ug/L		10/28/20 08:42	11/03/20 01:28	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		10/28/20 08:42	11/03/20 01:28	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		10/28/20 08:42	11/03/20 01:28	1
2,4-Dimethylphenol	38		5.0	0.50	ug/L		10/28/20 08:42	11/03/20 01:28	1
1,3-Dichlorobenzene	ND		10	0.48	ug/L		10/28/20 08:42	11/03/20 01:28	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		10/28/20 08:42	11/03/20 01:28	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		10/28/20 08:42	11/03/20 01:28	1
1,4-Dichlorobenzene	ND		10	0.46	ug/L		10/28/20 08:42	11/03/20 01:28	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		10/28/20 08:42	11/03/20 01:28	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		10/28/20 08:42	11/03/20 01:28	1
2-Chlorophenol	ND		5.0	0.53	ug/L		10/28/20 08:42	11/03/20 01:28	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		10/28/20 08:42	11/03/20 01:28	1
2-Methylphenol	1.3 J		5.0	0.40	ug/L		10/28/20 08:42	11/03/20 01:28	1
2-Nitroaniline	ND		10	0.42	ug/L		10/28/20 08:42	11/03/20 01:28	1
2-Nitrophenol	ND		5.0	0.48	ug/L		10/28/20 08:42	11/03/20 01:28	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		10/28/20 08:42	11/03/20 01:28	1
3-Nitroaniline	ND		10	0.48	ug/L		10/28/20 08:42	11/03/20 01:28	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		10/28/20 08:42	11/03/20 01:28	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		10/28/20 08:42	11/03/20 01:28	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		10/28/20 08:42	11/03/20 01:28	1
4-Chloroaniline	ND		5.0	0.59	ug/L		10/28/20 08:42	11/03/20 01:28	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		10/28/20 08:42	11/03/20 01:28	1
4-Methylphenol	ND		10	0.36	ug/L		10/28/20 08:42	11/03/20 01:28	1
4-Nitroaniline	ND		10	0.25	ug/L		10/28/20 08:42	11/03/20 01:28	1
4-Nitrophenol	ND		10	1.5	ug/L		10/28/20 08:42	11/03/20 01:28	1
Acenaphthene	0.74 J		5.0	0.41	ug/L		10/28/20 08:42	11/03/20 01:28	1
Acenaphthylene	ND		5.0	0.38	ug/L		10/28/20 08:42	11/03/20 01:28	1
Anthracene	0.83 J		5.0	0.28	ug/L		10/28/20 08:42	11/03/20 01:28	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		10/28/20 08:42	11/03/20 01:28	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		10/28/20 08:42	11/03/20 01:28	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		10/28/20 08:42	11/03/20 01:28	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		10/28/20 08:42	11/03/20 01:28	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		10/28/20 08:42	11/03/20 01:28	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		10/28/20 08:42	11/03/20 01:28	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		10/28/20 08:42	11/03/20 01:28	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		10/28/20 08:42	11/03/20 01:28	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		10/28/20 08:42	11/03/20 01:28	1
Carbazole	0.90 J		5.0	0.30	ug/L		10/28/20 08:42	11/03/20 01:28	1
Chrysene	ND		5.0	0.33	ug/L		10/28/20 08:42	11/03/20 01:28	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		10/28/20 08:42	11/03/20 01:28	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		10/28/20 08:42	11/03/20 01:28	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		10/28/20 08:42	11/03/20 01:28	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-177100-1

Client Sample ID: S-1

Lab Sample ID: 480-177100-4

Date Collected: 10/22/20 11:00

Matrix: Water

Date Received: 10/23/20 11:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	ND		10	0.51	ug/L		10/28/20 08:42	11/03/20 01:28	1
Diethyl phthalate	ND		5.0	0.22	ug/L		10/28/20 08:42	11/03/20 01:28	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		10/28/20 08:42	11/03/20 01:28	1
Fluoranthene	ND		5.0	0.40	ug/L		10/28/20 08:42	11/03/20 01:28	1
Fluorene	ND		5.0	0.36	ug/L		10/28/20 08:42	11/03/20 01:28	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		10/28/20 08:42	11/03/20 01:28	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		10/28/20 08:42	11/03/20 01:28	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		10/28/20 08:42	11/03/20 01:28	1
Hexachloroethane	ND		5.0	0.59	ug/L		10/28/20 08:42	11/03/20 01:28	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		10/28/20 08:42	11/03/20 01:28	1
Isophorone	ND		5.0	0.43	ug/L		10/28/20 08:42	11/03/20 01:28	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		10/28/20 08:42	11/03/20 01:28	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		10/28/20 08:42	11/03/20 01:28	1
Naphthalene	ND		5.0	0.76	ug/L		10/28/20 08:42	11/03/20 01:28	1
Nitrobenzene	ND		5.0	0.29	ug/L		10/28/20 08:42	11/03/20 01:28	1
Pentachlorophenol	ND		10	2.2	ug/L		10/28/20 08:42	11/03/20 01:28	1
Phenanthrene	ND		5.0	0.44	ug/L		10/28/20 08:42	11/03/20 01:28	1
Phenol	ND		5.0	0.39	ug/L		10/28/20 08:42	11/03/20 01:28	1
Pyrene	0.34	J	5.0	0.34	ug/L		10/28/20 08:42	11/03/20 01:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	101		41 - 120	10/28/20 08:42	11/03/20 01:28	1
2-Fluorobiphenyl	93		48 - 120	10/28/20 08:42	11/03/20 01:28	1
2-Fluorophenol	63		35 - 120	10/28/20 08:42	11/03/20 01:28	1
Nitrobenzene-d5	92		46 - 120	10/28/20 08:42	11/03/20 01:28	1
p-Terphenyl-d14	68		60 - 148	10/28/20 08:42	11/03/20 01:28	1
Phenol-d5	48		22 - 120	10/28/20 08:42	11/03/20 01:28	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.25	0.046	ug/L		10/27/20 15:20	10/28/20 12:23	1
4,4'-DDE	ND		0.25	0.058	ug/L		10/27/20 15:20	10/28/20 12:23	1
4,4'-DDT	ND		0.25	0.055	ug/L		10/27/20 15:20	10/28/20 12:23	1
Aldrin	ND		0.25	0.041	ug/L		10/27/20 15:20	10/28/20 12:23	1
alpha-BHC	ND		0.25	0.039	ug/L		10/27/20 15:20	10/28/20 12:23	1
cis-Chlordane	ND		0.25	0.074	ug/L		10/27/20 15:20	10/28/20 12:23	1
beta-BHC	ND		0.25	0.12	ug/L		10/27/20 15:20	10/28/20 12:23	1
delta-BHC	ND		0.25	0.050	ug/L		10/27/20 15:20	10/28/20 12:23	1
Dieldrin	ND		0.25	0.049	ug/L		10/27/20 15:20	10/28/20 12:23	1
Endosulfan I	ND		0.25	0.055	ug/L		10/27/20 15:20	10/28/20 12:23	1
Endosulfan II	ND		0.25	0.060	ug/L		10/27/20 15:20	10/28/20 12:23	1
Endosulfan sulfate	ND		0.25	0.079	ug/L		10/27/20 15:20	10/28/20 12:23	1
Endrin	ND		0.25	0.069	ug/L		10/27/20 15:20	10/28/20 12:23	1
Endrin aldehyde	ND		0.25	0.082	ug/L		10/27/20 15:20	10/28/20 12:23	1
Endrin ketone	ND		0.25	0.060	ug/L		10/27/20 15:20	10/28/20 12:23	1
gamma-BHC (Lindane)	ND		0.25	0.040	ug/L		10/27/20 15:20	10/28/20 12:23	1
trans-Chlordane	ND		0.25	0.055	ug/L		10/27/20 15:20	10/28/20 12:23	1
Heptachlor	ND		0.25	0.043	ug/L		10/27/20 15:20	10/28/20 12:23	1
Heptachlor epoxide	ND		0.25	0.037	ug/L		10/27/20 15:20	10/28/20 12:23	1
Methoxychlor	ND		0.25	0.071	ug/L		10/27/20 15:20	10/28/20 12:23	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-177100-1

Client Sample ID: S-1

Lab Sample ID: 480-177100-4

Date Collected: 10/22/20 11:00

Matrix: Water

Date Received: 10/23/20 11:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toxaphene	ND		2.5	0.60	ug/L		10/27/20 15:20	10/28/20 12:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	48		20 - 120				10/27/20 15:20	10/28/20 12:23	1
Tetrachloro-m-xylene	72		44 - 120				10/27/20 15:20	10/28/20 12:23	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		10/28/20 07:22	10/29/20 23:58	1
PCB-1221	ND		0.50	0.18	ug/L		10/28/20 07:22	10/29/20 23:58	1
PCB-1232	ND		0.50	0.18	ug/L		10/28/20 07:22	10/29/20 23:58	1
PCB-1242	0.24	J	0.50	0.18	ug/L		10/28/20 07:22	10/29/20 23:58	1
PCB-1248	ND		0.50	0.18	ug/L		10/28/20 07:22	10/29/20 23:58	1
PCB-1254	ND		0.50	0.25	ug/L		10/28/20 07:22	10/29/20 23:58	1
PCB-1260	ND		0.50	0.25	ug/L		10/28/20 07:22	10/29/20 23:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	38		19 - 120				10/28/20 07:22	10/29/20 23:58	1
Tetrachloro-m-xylene	104		39 - 121				10/28/20 07:22	10/29/20 23:58	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		10/29/20 09:07	10/29/20 19:34	1
Antimony	ND		0.020	0.0068	mg/L		10/29/20 09:07	10/29/20 19:34	1
Arsenic	ND		0.010	0.0056	mg/L		10/29/20 09:07	10/29/20 19:34	1
Barium	0.13	^	0.0020	0.00070	mg/L		10/29/20 09:07	10/29/20 19:34	1
Beryllium	ND		0.0020	0.00030	mg/L		10/29/20 09:07	10/29/20 19:34	1
Cadmium	ND		0.0010	0.00050	mg/L		10/29/20 09:07	10/29/20 19:34	1
Calcium	53.7		0.50	0.10	mg/L		10/29/20 09:07	10/29/20 19:34	1
Chromium	ND		0.0040	0.0010	mg/L		10/29/20 09:07	10/29/20 19:34	1
Cobalt	ND		0.0040	0.00063	mg/L		10/29/20 09:07	10/29/20 19:34	1
Copper	ND		0.010	0.0016	mg/L		10/29/20 09:07	10/29/20 19:34	1
Iron	4.9		0.050	0.019	mg/L		10/29/20 09:07	10/29/20 19:34	1
Lead	ND		0.0050	0.0030	mg/L		10/29/20 09:07	10/29/20 19:34	1
Magnesium	11.3		0.20	0.043	mg/L		10/29/20 09:07	10/29/20 19:34	1
Manganese	0.66		0.0030	0.00040	mg/L		10/29/20 09:07	10/29/20 19:34	1
Nickel	0.0015	J	0.010	0.0013	mg/L		10/29/20 09:07	10/29/20 19:34	1
Potassium	17.6		0.50	0.10	mg/L		10/29/20 09:07	10/29/20 19:34	1
Selenium	ND		0.015	0.0087	mg/L		10/29/20 09:07	10/29/20 19:34	1
Silver	ND		0.0030	0.0017	mg/L		10/29/20 09:07	10/29/20 19:34	1
Sodium	71.5		1.0	0.32	mg/L		10/29/20 09:07	10/29/20 19:34	1
Thallium	ND		0.020	0.010	mg/L		10/29/20 09:07	10/29/20 19:34	1
Vanadium	ND		0.0050	0.0015	mg/L		10/29/20 09:07	10/29/20 19:34	1
Zinc	ND		0.010	0.0015	mg/L		10/29/20 09:07	10/29/20 19:34	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		10/28/20 14:15	10/28/20 18:46	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-177100-1

Client Sample ID: S-1

Date Collected: 10/22/20 11:00

Date Received: 10/23/20 11:45

Lab Sample ID: 480-177100-4

Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		11/03/20 18:38	11/04/20 15:06	1

Client Sample ID: S-2

Date Collected: 10/22/20 12:15

Date Received: 10/23/20 11:45

Lab Sample ID: 480-177100-5

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		4.0	3.3	ug/L			10/26/20 19:50	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			10/26/20 19:50	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			10/26/20 19:50	4
1,1-Dichloroethane	ND		4.0	1.5	ug/L			10/26/20 19:50	4
1,1-Dichloroethene	ND		4.0	1.2	ug/L			10/26/20 19:50	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			10/26/20 19:50	4
1,2-Dichloroethene, Total	34		8.0	3.2	ug/L			10/26/20 19:50	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			10/26/20 19:50	4
2-Butanone (MEK)	ND		40	5.3	ug/L			10/26/20 19:50	4
2-Hexanone	ND		20	5.0	ug/L			10/26/20 19:50	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			10/26/20 19:50	4
Acetone	ND		40	12	ug/L			10/26/20 19:50	4
Benzene	ND		4.0	1.6	ug/L			10/26/20 19:50	4
Bromoform	ND		4.0	1.0	ug/L			10/26/20 19:50	4
Bromomethane	ND		4.0	2.8	ug/L			10/26/20 19:50	4
Carbon disulfide	ND		4.0	0.76	ug/L			10/26/20 19:50	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			10/26/20 19:50	4
Chlorobenzene	ND		4.0	3.0	ug/L			10/26/20 19:50	4
Dibromochloromethane	ND		4.0	1.3	ug/L			10/26/20 19:50	4
Chloroethane	ND		4.0	1.3	ug/L			10/26/20 19:50	4
Chloroform	ND		4.0	1.4	ug/L			10/26/20 19:50	4
Chloromethane	ND		4.0	1.4	ug/L			10/26/20 19:50	4
Bromodichloromethane	ND		4.0	1.6	ug/L			10/26/20 19:50	4
Ethylbenzene	ND		4.0	3.0	ug/L			10/26/20 19:50	4
Methylene Chloride	ND		4.0	1.8	ug/L			10/26/20 19:50	4
Tetrachloroethene	ND		4.0	1.4	ug/L			10/26/20 19:50	4
Toluene	ND		4.0	2.0	ug/L			10/26/20 19:50	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			10/26/20 19:50	4
Trichloroethene	1.9 J		4.0	1.8	ug/L			10/26/20 19:50	4
Vinyl chloride	9.7		4.0	3.6	ug/L			10/26/20 19:50	4
Xylenes, Total	ND		8.0	2.6	ug/L			10/26/20 19:50	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			10/26/20 19:50	4
Styrene	ND		4.0	2.9	ug/L			10/26/20 19:50	4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		77 - 120		10/26/20 19:50	4
4-Bromofluorobenzene (Surr)	93		73 - 120		10/26/20 19:50	4
Toluene-d8 (Surr)	93		80 - 120		10/26/20 19:50	4
Dibromofluoromethane (Surr)	111		75 - 123		10/26/20 19:50	4

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-177100-1

Client Sample ID: S-2

Lab Sample ID: 480-177100-5

Date Collected: 10/22/20 12:15

Matrix: Water

Date Received: 10/23/20 11:45

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		10/28/20 08:42	11/03/20 01:55	1
1,2,4-Trichlorobenzene	ND		10	0.44	ug/L		10/28/20 08:42	11/03/20 01:55	1
2,4,5-Trichlorophenol	0.53	J	5.0	0.48	ug/L		10/28/20 08:42	11/03/20 01:55	1
1,2-Dichlorobenzene	ND		10	0.40	ug/L		10/28/20 08:42	11/03/20 01:55	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		10/28/20 08:42	11/03/20 01:55	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		10/28/20 08:42	11/03/20 01:55	1
2,4-Dimethylphenol	0.66	J	5.0	0.50	ug/L		10/28/20 08:42	11/03/20 01:55	1
1,3-Dichlorobenzene	ND		10	0.48	ug/L		10/28/20 08:42	11/03/20 01:55	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		10/28/20 08:42	11/03/20 01:55	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		10/28/20 08:42	11/03/20 01:55	1
1,4-Dichlorobenzene	ND		10	0.46	ug/L		10/28/20 08:42	11/03/20 01:55	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		10/28/20 08:42	11/03/20 01:55	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		10/28/20 08:42	11/03/20 01:55	1
2-Chlorophenol	ND		5.0	0.53	ug/L		10/28/20 08:42	11/03/20 01:55	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		10/28/20 08:42	11/03/20 01:55	1
2-Methylphenol	ND		5.0	0.40	ug/L		10/28/20 08:42	11/03/20 01:55	1
2-Nitroaniline	ND		10	0.42	ug/L		10/28/20 08:42	11/03/20 01:55	1
2-Nitrophenol	ND		5.0	0.48	ug/L		10/28/20 08:42	11/03/20 01:55	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		10/28/20 08:42	11/03/20 01:55	1
3-Nitroaniline	ND		10	0.48	ug/L		10/28/20 08:42	11/03/20 01:55	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		10/28/20 08:42	11/03/20 01:55	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		10/28/20 08:42	11/03/20 01:55	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		10/28/20 08:42	11/03/20 01:55	1
4-Chloroaniline	ND		5.0	0.59	ug/L		10/28/20 08:42	11/03/20 01:55	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		10/28/20 08:42	11/03/20 01:55	1
4-Methylphenol	ND		10	0.36	ug/L		10/28/20 08:42	11/03/20 01:55	1
4-Nitroaniline	ND		10	0.25	ug/L		10/28/20 08:42	11/03/20 01:55	1
4-Nitrophenol	ND		10	1.5	ug/L		10/28/20 08:42	11/03/20 01:55	1
Acenaphthene	ND		5.0	0.41	ug/L		10/28/20 08:42	11/03/20 01:55	1
Acenaphthylene	ND		5.0	0.38	ug/L		10/28/20 08:42	11/03/20 01:55	1
Anthracene	ND		5.0	0.28	ug/L		10/28/20 08:42	11/03/20 01:55	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		10/28/20 08:42	11/03/20 01:55	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		10/28/20 08:42	11/03/20 01:55	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		10/28/20 08:42	11/03/20 01:55	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		10/28/20 08:42	11/03/20 01:55	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		10/28/20 08:42	11/03/20 01:55	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		10/28/20 08:42	11/03/20 01:55	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		10/28/20 08:42	11/03/20 01:55	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		10/28/20 08:42	11/03/20 01:55	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		10/28/20 08:42	11/03/20 01:55	1
Carbazole	0.35	J	5.0	0.30	ug/L		10/28/20 08:42	11/03/20 01:55	1
Chrysene	ND		5.0	0.33	ug/L		10/28/20 08:42	11/03/20 01:55	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		10/28/20 08:42	11/03/20 01:55	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		10/28/20 08:42	11/03/20 01:55	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		10/28/20 08:42	11/03/20 01:55	1
Dibenzofuran	ND		10	0.51	ug/L		10/28/20 08:42	11/03/20 01:55	1
Diethyl phthalate	ND		5.0	0.22	ug/L		10/28/20 08:42	11/03/20 01:55	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		10/28/20 08:42	11/03/20 01:55	1
Fluoranthene	ND		5.0	0.40	ug/L		10/28/20 08:42	11/03/20 01:55	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-177100-1

Client Sample ID: S-2

Lab Sample ID: 480-177100-5

Date Collected: 10/22/20 12:15

Matrix: Water

Date Received: 10/23/20 11:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	ND		5.0	0.36	ug/L		10/28/20 08:42	11/03/20 01:55	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		10/28/20 08:42	11/03/20 01:55	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		10/28/20 08:42	11/03/20 01:55	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		10/28/20 08:42	11/03/20 01:55	1
Hexachloroethane	ND		5.0	0.59	ug/L		10/28/20 08:42	11/03/20 01:55	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		10/28/20 08:42	11/03/20 01:55	1
Isophorone	ND		5.0	0.43	ug/L		10/28/20 08:42	11/03/20 01:55	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		10/28/20 08:42	11/03/20 01:55	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		10/28/20 08:42	11/03/20 01:55	1
Naphthalene	ND		5.0	0.76	ug/L		10/28/20 08:42	11/03/20 01:55	1
Nitrobenzene	ND		5.0	0.29	ug/L		10/28/20 08:42	11/03/20 01:55	1
Pentachlorophenol	ND		10	2.2	ug/L		10/28/20 08:42	11/03/20 01:55	1
Phenanthrene	ND		5.0	0.44	ug/L		10/28/20 08:42	11/03/20 01:55	1
Phenol	ND		5.0	0.39	ug/L		10/28/20 08:42	11/03/20 01:55	1
Pyrene	ND		5.0	0.34	ug/L		10/28/20 08:42	11/03/20 01:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	100		41 - 120	10/28/20 08:42	11/03/20 01:55	1
2-Fluorobiphenyl	99		48 - 120	10/28/20 08:42	11/03/20 01:55	1
2-Fluorophenol	69		35 - 120	10/28/20 08:42	11/03/20 01:55	1
Nitrobenzene-d5	98		46 - 120	10/28/20 08:42	11/03/20 01:55	1
p-Terphenyl-d14	89		60 - 148	10/28/20 08:42	11/03/20 01:55	1
Phenol-d5	52		22 - 120	10/28/20 08:42	11/03/20 01:55	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		10/27/20 15:20	10/28/20 12:43	1
4,4'-DDE	ND		0.050	0.012	ug/L		10/27/20 15:20	10/28/20 12:43	1
4,4'-DDT	0.011	J	0.050	0.011	ug/L		10/27/20 15:20	10/28/20 12:43	1
Aldrin	ND		0.050	0.0081	ug/L		10/27/20 15:20	10/28/20 12:43	1
alpha-BHC	ND		0.050	0.0077	ug/L		10/27/20 15:20	10/28/20 12:43	1
cis-Chlordane	ND		0.050	0.015	ug/L		10/27/20 15:20	10/28/20 12:43	1
beta-BHC	ND		0.050	0.025	ug/L		10/27/20 15:20	10/28/20 12:43	1
delta-BHC	ND		0.050	0.010	ug/L		10/27/20 15:20	10/28/20 12:43	1
Dieldrin	ND		0.050	0.0098	ug/L		10/27/20 15:20	10/28/20 12:43	1
Endosulfan I	ND		0.050	0.011	ug/L		10/27/20 15:20	10/28/20 12:43	1
Endosulfan II	ND		0.050	0.012	ug/L		10/27/20 15:20	10/28/20 12:43	1
Endosulfan sulfate	ND		0.050	0.016	ug/L		10/27/20 15:20	10/28/20 12:43	1
Endrin	ND		0.050	0.014	ug/L		10/27/20 15:20	10/28/20 12:43	1
Endrin aldehyde	ND		0.050	0.016	ug/L		10/27/20 15:20	10/28/20 12:43	1
Endrin ketone	ND		0.050	0.012	ug/L		10/27/20 15:20	10/28/20 12:43	1
gamma-BHC (Lindane)	0.0088	J	0.050	0.0080	ug/L		10/27/20 15:20	10/28/20 12:43	1
trans-Chlordane	0.040	J	0.050	0.011	ug/L		10/27/20 15:20	10/28/20 12:43	1
Heptachlor	ND		0.050	0.0085	ug/L		10/27/20 15:20	10/28/20 12:43	1
Heptachlor epoxide	ND		0.050	0.0074	ug/L		10/27/20 15:20	10/28/20 12:43	1
Methoxychlor	ND		0.050	0.014	ug/L		10/27/20 15:20	10/28/20 12:43	1
Toxaphene	ND		0.50	0.12	ug/L		10/27/20 15:20	10/28/20 12:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	39		20 - 120	10/27/20 15:20	10/28/20 12:43	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-177100-1

Client Sample ID: S-2

Lab Sample ID: 480-177100-5

Date Collected: 10/22/20 12:15

Matrix: Water

Date Received: 10/23/20 11:45

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	69		44 - 120	10/27/20 15:20	10/28/20 12:43	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		10/28/20 07:22	10/30/20 00:46	1
PCB-1221	ND		0.50	0.18	ug/L		10/28/20 07:22	10/30/20 00:46	1
PCB-1232	ND		0.50	0.18	ug/L		10/28/20 07:22	10/30/20 00:46	1
PCB-1242	ND		0.50	0.18	ug/L		10/28/20 07:22	10/30/20 00:46	1
PCB-1248	ND		0.50	0.18	ug/L		10/28/20 07:22	10/30/20 00:46	1
PCB-1254	ND		0.50	0.25	ug/L		10/28/20 07:22	10/30/20 00:46	1
PCB-1260	ND		0.50	0.25	ug/L		10/28/20 07:22	10/30/20 00:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	58		19 - 120	10/28/20 07:22	10/30/20 00:46	1
Tetrachloro-m-xylene	119		39 - 121	10/28/20 07:22	10/30/20 00:46	1

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		10/29/20 09:07	10/29/20 19:38	1
Antimony	ND		0.020	0.0068	mg/L		10/29/20 09:07	10/29/20 19:38	1
Arsenic	ND		0.010	0.0056	mg/L		10/29/20 09:07	10/29/20 19:38	1
Barium	0.048	^	0.0020	0.00070	mg/L		10/29/20 09:07	10/29/20 19:38	1
Beryllium	ND		0.0020	0.00030	mg/L		10/29/20 09:07	10/29/20 19:38	1
Cadmium	ND		0.0010	0.00050	mg/L		10/29/20 09:07	10/29/20 19:38	1
Calcium	53.0		0.50	0.10	mg/L		10/29/20 09:07	10/29/20 19:38	1
Chromium	ND		0.0040	0.0010	mg/L		10/29/20 09:07	10/29/20 19:38	1
Cobalt	ND		0.0040	0.00063	mg/L		10/29/20 09:07	10/29/20 19:38	1
Copper	ND		0.010	0.0016	mg/L		10/29/20 09:07	10/29/20 19:38	1
Iron	0.16		0.050	0.019	mg/L		10/29/20 09:07	10/29/20 19:38	1
Lead	ND		0.0050	0.0030	mg/L		10/29/20 09:07	10/29/20 19:38	1
Magnesium	0.23		0.20	0.043	mg/L		10/29/20 09:07	10/29/20 19:38	1
Manganese	0.013		0.0030	0.00040	mg/L		10/29/20 09:07	10/29/20 19:38	1
Nickel	0.0027	J	0.010	0.0013	mg/L		10/29/20 09:07	10/29/20 19:38	1
Potassium	30.6		0.50	0.10	mg/L		10/29/20 09:07	10/29/20 19:38	1
Selenium	ND		0.015	0.0087	mg/L		10/29/20 09:07	10/29/20 19:38	1
Silver	ND		0.0030	0.0017	mg/L		10/29/20 09:07	10/29/20 19:38	1
Sodium	65.5		1.0	0.32	mg/L		10/29/20 09:07	10/29/20 19:38	1
Thallium	ND		0.020	0.010	mg/L		10/29/20 09:07	10/29/20 19:38	1
Vanadium	0.0052		0.0050	0.0015	mg/L		10/29/20 09:07	10/29/20 19:38	1
Zinc	0.0031	J	0.010	0.0015	mg/L		10/29/20 09:07	10/29/20 19:38	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		10/28/20 14:15	10/28/20 18:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.023	F1	0.010	0.0050	mg/L		11/03/20 18:38	11/04/20 15:10	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-177100-1

Client Sample ID: S-3

Lab Sample ID: 480-177100-6

Date Collected: 10/22/20 13:45

Matrix: Water

Date Received: 10/23/20 11:45

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			10/26/20 20:14	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			10/26/20 20:14	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			10/26/20 20:14	2
1,1-Dichloroethane	2.0		2.0	0.76	ug/L			10/26/20 20:14	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			10/26/20 20:14	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			10/26/20 20:14	2
1,2-Dichloroethene, Total	ND		4.0	1.6	ug/L			10/26/20 20:14	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			10/26/20 20:14	2
2-Butanone (MEK)	ND		20	2.6	ug/L			10/26/20 20:14	2
2-Hexanone	ND		10	2.5	ug/L			10/26/20 20:14	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			10/26/20 20:14	2
Acetone	ND		20	6.0	ug/L			10/26/20 20:14	2
Benzene	ND		2.0	0.82	ug/L			10/26/20 20:14	2
Bromoform	ND		2.0	0.52	ug/L			10/26/20 20:14	2
Bromomethane	ND		2.0	1.4	ug/L			10/26/20 20:14	2
Carbon disulfide	ND		2.0	0.38	ug/L			10/26/20 20:14	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			10/26/20 20:14	2
Chlorobenzene	ND		2.0	1.5	ug/L			10/26/20 20:14	2
Dibromochloromethane	ND		2.0	0.64	ug/L			10/26/20 20:14	2
Chloroethane	ND		2.0	0.64	ug/L			10/26/20 20:14	2
Chloroform	ND		2.0	0.68	ug/L			10/26/20 20:14	2
Chloromethane	ND		2.0	0.70	ug/L			10/26/20 20:14	2
Bromodichloromethane	ND		2.0	0.78	ug/L			10/26/20 20:14	2
Ethylbenzene	ND		2.0	1.5	ug/L			10/26/20 20:14	2
Methylene Chloride	ND		2.0	0.88	ug/L			10/26/20 20:14	2
Tetrachloroethene	ND		2.0	0.72	ug/L			10/26/20 20:14	2
Toluene	ND		2.0	1.0	ug/L			10/26/20 20:14	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			10/26/20 20:14	2
Trichloroethene	ND		2.0	0.92	ug/L			10/26/20 20:14	2
Vinyl chloride	ND		2.0	1.8	ug/L			10/26/20 20:14	2
Xylenes, Total	ND		4.0	1.3	ug/L			10/26/20 20:14	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			10/26/20 20:14	2
Styrene	ND		2.0	1.5	ug/L			10/26/20 20:14	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		77 - 120		10/26/20 20:14	2
4-Bromofluorobenzene (Surr)	106		73 - 120		10/26/20 20:14	2
Toluene-d8 (Surr)	98		80 - 120		10/26/20 20:14	2
Dibromofluoromethane (Surr)	115		75 - 123		10/26/20 20:14	2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
bis (2-chloroisopropyl) ether	ND		25	2.6	ug/L		10/28/20 08:42	11/03/20 02:22	5
1,2,4-Trichlorobenzene	ND		50	2.2	ug/L		10/28/20 08:42	11/03/20 02:22	5
2,4,5-Trichlorophenol	ND		25	2.4	ug/L		10/28/20 08:42	11/03/20 02:22	5
1,2-Dichlorobenzene	ND		50	2.0	ug/L		10/28/20 08:42	11/03/20 02:22	5
2,4,6-Trichlorophenol	ND		25	3.1	ug/L		10/28/20 08:42	11/03/20 02:22	5
2,4-Dichlorophenol	ND		25	2.6	ug/L		10/28/20 08:42	11/03/20 02:22	5
2,4-Dimethylphenol	49		25	2.5	ug/L		10/28/20 08:42	11/03/20 02:22	5
1,3-Dichlorobenzene	ND		50	2.4	ug/L		10/28/20 08:42	11/03/20 02:22	5

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-177100-1

Client Sample ID: S-3

Lab Sample ID: 480-177100-6

Date Collected: 10/22/20 13:45

Matrix: Water

Date Received: 10/23/20 11:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrophenol	ND		50	11	ug/L		10/28/20 08:42	11/03/20 02:22	5
2,4-Dinitrotoluene	ND		25	2.2	ug/L		10/28/20 08:42	11/03/20 02:22	5
1,4-Dichlorobenzene	ND		50	2.3	ug/L		10/28/20 08:42	11/03/20 02:22	5
2,6-Dinitrotoluene	ND		25	2.0	ug/L		10/28/20 08:42	11/03/20 02:22	5
2-Chloronaphthalene	ND		25	2.3	ug/L		10/28/20 08:42	11/03/20 02:22	5
2-Chlorophenol	ND		25	2.7	ug/L		10/28/20 08:42	11/03/20 02:22	5
2-Methylnaphthalene	ND		25	3.0	ug/L		10/28/20 08:42	11/03/20 02:22	5
2-Methylphenol	20	J	25	2.0	ug/L		10/28/20 08:42	11/03/20 02:22	5
2-Nitroaniline	ND		50	2.1	ug/L		10/28/20 08:42	11/03/20 02:22	5
2-Nitrophenol	ND		25	2.4	ug/L		10/28/20 08:42	11/03/20 02:22	5
3,3'-Dichlorobenzidine	ND		25	2.0	ug/L		10/28/20 08:42	11/03/20 02:22	5
3-Nitroaniline	ND		50	2.4	ug/L		10/28/20 08:42	11/03/20 02:22	5
4,6-Dinitro-2-methylphenol	ND		50	11	ug/L		10/28/20 08:42	11/03/20 02:22	5
4-Bromophenyl phenyl ether	ND		25	2.3	ug/L		10/28/20 08:42	11/03/20 02:22	5
4-Chloro-3-methylphenol	ND		25	2.3	ug/L		10/28/20 08:42	11/03/20 02:22	5
4-Chloroaniline	ND		25	3.0	ug/L		10/28/20 08:42	11/03/20 02:22	5
4-Chlorophenyl phenyl ether	ND		25	1.8	ug/L		10/28/20 08:42	11/03/20 02:22	5
4-Methylphenol	41	J	50	1.8	ug/L		10/28/20 08:42	11/03/20 02:22	5
4-Nitroaniline	ND		50	1.3	ug/L		10/28/20 08:42	11/03/20 02:22	5
4-Nitrophenol	ND		50	7.6	ug/L		10/28/20 08:42	11/03/20 02:22	5
Acenaphthene	ND		25	2.1	ug/L		10/28/20 08:42	11/03/20 02:22	5
Acenaphthylene	ND		25	1.9	ug/L		10/28/20 08:42	11/03/20 02:22	5
Anthracene	ND		25	1.4	ug/L		10/28/20 08:42	11/03/20 02:22	5
Benzo[a]anthracene	ND		25	1.8	ug/L		10/28/20 08:42	11/03/20 02:22	5
Benzo[a]pyrene	ND		25	2.4	ug/L		10/28/20 08:42	11/03/20 02:22	5
Benzo[b]fluoranthene	ND		25	1.7	ug/L		10/28/20 08:42	11/03/20 02:22	5
Benzo[g,h,i]perylene	ND		25	1.8	ug/L		10/28/20 08:42	11/03/20 02:22	5
Benzo[k]fluoranthene	ND		25	3.7	ug/L		10/28/20 08:42	11/03/20 02:22	5
Bis(2-chloroethoxy)methane	ND		25	1.8	ug/L		10/28/20 08:42	11/03/20 02:22	5
Bis(2-chloroethyl)ether	ND		25	2.0	ug/L		10/28/20 08:42	11/03/20 02:22	5
Bis(2-ethylhexyl) phthalate	ND		25	11	ug/L		10/28/20 08:42	11/03/20 02:22	5
Butyl benzyl phthalate	ND		25	5.0	ug/L		10/28/20 08:42	11/03/20 02:22	5
Carbazole	ND		25	1.5	ug/L		10/28/20 08:42	11/03/20 02:22	5
Chrysene	ND		25	1.7	ug/L		10/28/20 08:42	11/03/20 02:22	5
Di-n-butyl phthalate	ND		25	1.6	ug/L		10/28/20 08:42	11/03/20 02:22	5
Di-n-octyl phthalate	ND		25	2.4	ug/L		10/28/20 08:42	11/03/20 02:22	5
Dibenz(a,h)anthracene	ND		25	2.1	ug/L		10/28/20 08:42	11/03/20 02:22	5
Dibenzofuran	ND		50	2.6	ug/L		10/28/20 08:42	11/03/20 02:22	5
Diethyl phthalate	ND		25	1.1	ug/L		10/28/20 08:42	11/03/20 02:22	5
Dimethyl phthalate	ND		25	1.8	ug/L		10/28/20 08:42	11/03/20 02:22	5
Fluoranthene	ND		25	2.0	ug/L		10/28/20 08:42	11/03/20 02:22	5
Fluorene	ND		25	1.8	ug/L		10/28/20 08:42	11/03/20 02:22	5
Hexachlorobenzene	ND		25	2.6	ug/L		10/28/20 08:42	11/03/20 02:22	5
Hexachlorobutadiene	ND		25	3.4	ug/L		10/28/20 08:42	11/03/20 02:22	5
Hexachlorocyclopentadiene	ND		25	3.0	ug/L		10/28/20 08:42	11/03/20 02:22	5
Hexachloroethane	ND		25	3.0	ug/L		10/28/20 08:42	11/03/20 02:22	5
Indeno[1,2,3-cd]pyrene	ND		25	2.4	ug/L		10/28/20 08:42	11/03/20 02:22	5
Isophorone	ND		25	2.2	ug/L		10/28/20 08:42	11/03/20 02:22	5
N-Nitrosodi-n-propylamine	ND		25	2.7	ug/L		10/28/20 08:42	11/03/20 02:22	5

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-177100-1

Client Sample ID: S-3

Lab Sample ID: 480-177100-6

Date Collected: 10/22/20 13:45

Matrix: Water

Date Received: 10/23/20 11:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		25	2.6	ug/L		10/28/20 08:42	11/03/20 02:22	5
Naphthalene	ND		25	3.8	ug/L		10/28/20 08:42	11/03/20 02:22	5
Nitrobenzene	ND		25	1.5	ug/L		10/28/20 08:42	11/03/20 02:22	5
Pentachlorophenol	ND		50	11	ug/L		10/28/20 08:42	11/03/20 02:22	5
Phenanthrene	ND		25	2.2	ug/L		10/28/20 08:42	11/03/20 02:22	5
Phenol	ND		25	2.0	ug/L		10/28/20 08:42	11/03/20 02:22	5
Pyrene	ND		25	1.7	ug/L		10/28/20 08:42	11/03/20 02:22	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	98		41 - 120	10/28/20 08:42	11/03/20 02:22	5
2-Fluorobiphenyl	104		48 - 120	10/28/20 08:42	11/03/20 02:22	5
2-Fluorophenol	67		35 - 120	10/28/20 08:42	11/03/20 02:22	5
Nitrobenzene-d5	99		46 - 120	10/28/20 08:42	11/03/20 02:22	5
p-Terphenyl-d14	97		60 - 148	10/28/20 08:42	11/03/20 02:22	5
Phenol-d5	50		22 - 120	10/28/20 08:42	11/03/20 02:22	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		10/27/20 15:20	10/28/20 13:03	1
4,4'-DDE	ND		0.050	0.012	ug/L		10/27/20 15:20	10/28/20 13:03	1
4,4'-DDT	0.011	J	0.050	0.011	ug/L		10/27/20 15:20	10/28/20 13:03	1
Aldrin	ND		0.050	0.0081	ug/L		10/27/20 15:20	10/28/20 13:03	1
alpha-BHC	ND		0.050	0.0077	ug/L		10/27/20 15:20	10/28/20 13:03	1
cis-Chlordane	ND		0.050	0.015	ug/L		10/27/20 15:20	10/28/20 13:03	1
beta-BHC	ND		0.050	0.025	ug/L		10/27/20 15:20	10/28/20 13:03	1
delta-BHC	ND		0.050	0.010	ug/L		10/27/20 15:20	10/28/20 13:03	1
Dieldrin	ND		0.050	0.0098	ug/L		10/27/20 15:20	10/28/20 13:03	1
Endosulfan I	ND		0.050	0.011	ug/L		10/27/20 15:20	10/28/20 13:03	1
Endosulfan II	ND		0.050	0.012	ug/L		10/27/20 15:20	10/28/20 13:03	1
Endosulfan sulfate	ND		0.050	0.016	ug/L		10/27/20 15:20	10/28/20 13:03	1
Endrin	ND		0.050	0.014	ug/L		10/27/20 15:20	10/28/20 13:03	1
Endrin aldehyde	ND		0.050	0.016	ug/L		10/27/20 15:20	10/28/20 13:03	1
Endrin ketone	ND		0.050	0.012	ug/L		10/27/20 15:20	10/28/20 13:03	1
gamma-BHC (Lindane)	ND		0.050	0.0080	ug/L		10/27/20 15:20	10/28/20 13:03	1
trans-Chlordane	ND		0.050	0.011	ug/L		10/27/20 15:20	10/28/20 13:03	1
Heptachlor	ND		0.050	0.0085	ug/L		10/27/20 15:20	10/28/20 13:03	1
Heptachlor epoxide	ND		0.050	0.0074	ug/L		10/27/20 15:20	10/28/20 13:03	1
Methoxychlor	ND		0.050	0.014	ug/L		10/27/20 15:20	10/28/20 13:03	1
Toxaphene	ND		0.50	0.12	ug/L		10/27/20 15:20	10/28/20 13:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	46		20 - 120	10/27/20 15:20	10/28/20 13:03	1
Tetrachloro-m-xylene	78		44 - 120	10/27/20 15:20	10/28/20 13:03	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		10/28/20 07:22	10/30/20 01:02	1
PCB-1221	ND		0.50	0.18	ug/L		10/28/20 07:22	10/30/20 01:02	1
PCB-1232	ND		0.50	0.18	ug/L		10/28/20 07:22	10/30/20 01:02	1
PCB-1242	0.63		0.50	0.18	ug/L		10/28/20 07:22	10/30/20 01:02	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-177100-1

Client Sample ID: S-3

Lab Sample ID: 480-177100-6

Date Collected: 10/22/20 13:45

Matrix: Water

Date Received: 10/23/20 11:45

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		10/28/20 07:22	10/30/20 01:02	1
PCB-1254	ND		0.50	0.25	ug/L		10/28/20 07:22	10/30/20 01:02	1
PCB-1260	ND		0.50	0.25	ug/L		10/28/20 07:22	10/30/20 01:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	60		19 - 120				10/28/20 07:22	10/30/20 01:02	1
Tetrachloro-m-xylene	116		39 - 121				10/28/20 07:22	10/30/20 01:02	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.29		0.20	0.060	mg/L		10/29/20 09:07	10/29/20 19:42	1
Antimony	ND		0.020	0.0068	mg/L		10/29/20 09:07	10/29/20 19:42	1
Arsenic	ND		0.010	0.0056	mg/L		10/29/20 09:07	10/29/20 19:42	1
Barium	0.044	^	0.0020	0.00070	mg/L		10/29/20 09:07	10/29/20 19:42	1
Beryllium	ND		0.0020	0.00030	mg/L		10/29/20 09:07	10/29/20 19:42	1
Cadmium	ND		0.0010	0.00050	mg/L		10/29/20 09:07	10/29/20 19:42	1
Calcium	67.0		0.50	0.10	mg/L		10/29/20 09:07	10/29/20 19:42	1
Chromium	ND		0.0040	0.0010	mg/L		10/29/20 09:07	10/29/20 19:42	1
Cobalt	ND		0.0040	0.00063	mg/L		10/29/20 09:07	10/29/20 19:42	1
Copper	0.0021	J	0.010	0.0016	mg/L		10/29/20 09:07	10/29/20 19:42	1
Iron	0.069		0.050	0.019	mg/L		10/29/20 09:07	10/29/20 19:42	1
Lead	ND		0.0050	0.0030	mg/L		10/29/20 09:07	10/29/20 19:42	1
Magnesium	0.43		0.20	0.043	mg/L		10/29/20 09:07	10/29/20 19:42	1
Manganese	0.0083		0.0030	0.00040	mg/L		10/29/20 09:07	10/29/20 19:42	1
Nickel	0.0021	J	0.010	0.0013	mg/L		10/29/20 09:07	10/29/20 19:42	1
Potassium	46.1		0.50	0.10	mg/L		10/29/20 09:07	10/29/20 19:42	1
Selenium	ND		0.015	0.0087	mg/L		10/29/20 09:07	10/29/20 19:42	1
Silver	ND		0.0030	0.0017	mg/L		10/29/20 09:07	10/29/20 19:42	1
Sodium	181		1.0	0.32	mg/L		10/29/20 09:07	10/29/20 19:42	1
Thallium	ND		0.020	0.010	mg/L		10/29/20 09:07	10/29/20 19:42	1
Vanadium	0.0051		0.0050	0.0015	mg/L		10/29/20 09:07	10/29/20 19:42	1
Zinc	0.038		0.010	0.0015	mg/L		10/29/20 09:07	10/29/20 19:42	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		10/28/20 14:15	10/28/20 18:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.044		0.010	0.0050	mg/L		11/03/20 21:18	11/04/20 15:32	1

Client Sample ID: S-4

Lab Sample ID: 480-177100-7

Date Collected: 10/22/20 10:30

Matrix: Water

Date Received: 10/23/20 11:45

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			10/26/20 20:39	2
1,1,1,2-Tetrachloroethane	ND		2.0	0.42	ug/L			10/26/20 20:39	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			10/26/20 20:39	2
1,1-Dichloroethane	ND		2.0	0.76	ug/L			10/26/20 20:39	2

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-177100-1

Client Sample ID: S-4

Lab Sample ID: 480-177100-7

Date Collected: 10/22/20 10:30

Matrix: Water

Date Received: 10/23/20 11:45

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			10/26/20 20:39	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			10/26/20 20:39	2
1,2-Dichloroethene, Total	ND		4.0	1.6	ug/L			10/26/20 20:39	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			10/26/20 20:39	2
2-Butanone (MEK)	ND		20	2.6	ug/L			10/26/20 20:39	2
2-Hexanone	ND		10	2.5	ug/L			10/26/20 20:39	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			10/26/20 20:39	2
Acetone	ND		20	6.0	ug/L			10/26/20 20:39	2
Benzene	ND		2.0	0.82	ug/L			10/26/20 20:39	2
Bromoform	ND		2.0	0.52	ug/L			10/26/20 20:39	2
Bromomethane	ND		2.0	1.4	ug/L			10/26/20 20:39	2
Carbon disulfide	ND		2.0	0.38	ug/L			10/26/20 20:39	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			10/26/20 20:39	2
Chlorobenzene	ND		2.0	1.5	ug/L			10/26/20 20:39	2
Dibromochloromethane	ND		2.0	0.64	ug/L			10/26/20 20:39	2
Chloroethane	ND		2.0	0.64	ug/L			10/26/20 20:39	2
Chloroform	ND		2.0	0.68	ug/L			10/26/20 20:39	2
Chloromethane	ND		2.0	0.70	ug/L			10/26/20 20:39	2
Bromodichloromethane	ND		2.0	0.78	ug/L			10/26/20 20:39	2
Ethylbenzene	ND		2.0	1.5	ug/L			10/26/20 20:39	2
Methylene Chloride	ND		2.0	0.88	ug/L			10/26/20 20:39	2
Tetrachloroethene	ND		2.0	0.72	ug/L			10/26/20 20:39	2
Toluene	ND		2.0	1.0	ug/L			10/26/20 20:39	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			10/26/20 20:39	2
Trichloroethene	ND		2.0	0.92	ug/L			10/26/20 20:39	2
Vinyl chloride	ND		2.0	1.8	ug/L			10/26/20 20:39	2
Xylenes, Total	1.9 J		4.0	1.3	ug/L			10/26/20 20:39	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			10/26/20 20:39	2
Styrene	ND		2.0	1.5	ug/L			10/26/20 20:39	2
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		77 - 120					10/26/20 20:39	2
4-Bromofluorobenzene (Surr)	105		73 - 120					10/26/20 20:39	2
Toluene-d8 (Surr)	98		80 - 120					10/26/20 20:39	2
Dibromofluoromethane (Surr)	110		75 - 123					10/26/20 20:39	2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
bis (2-chloroisopropyl) ether	ND		25	2.6	ug/L		10/28/20 08:42	11/03/20 02:50	5
1,2,4-Trichlorobenzene	ND		50	2.2	ug/L		10/28/20 08:42	11/03/20 02:50	5
2,4,5-Trichlorophenol	ND		25	2.4	ug/L		10/28/20 08:42	11/03/20 02:50	5
1,2-Dichlorobenzene	ND		50	2.0	ug/L		10/28/20 08:42	11/03/20 02:50	5
2,4,6-Trichlorophenol	ND		25	3.1	ug/L		10/28/20 08:42	11/03/20 02:50	5
2,4-Dichlorophenol	ND		25	2.6	ug/L		10/28/20 08:42	11/03/20 02:50	5
2,4-Dimethylphenol	24 J		25	2.5	ug/L		10/28/20 08:42	11/03/20 02:50	5
1,3-Dichlorobenzene	ND		50	2.4	ug/L		10/28/20 08:42	11/03/20 02:50	5
2,4-Dinitrophenol	ND		50	11	ug/L		10/28/20 08:42	11/03/20 02:50	5
2,4-Dinitrotoluene	ND		25	2.2	ug/L		10/28/20 08:42	11/03/20 02:50	5
1,4-Dichlorobenzene	ND		50	2.3	ug/L		10/28/20 08:42	11/03/20 02:50	5
2,6-Dinitrotoluene	ND		25	2.0	ug/L		10/28/20 08:42	11/03/20 02:50	5

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-177100-1

Client Sample ID: S-4

Lab Sample ID: 480-177100-7

Date Collected: 10/22/20 10:30

Matrix: Water

Date Received: 10/23/20 11:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chloronaphthalene	ND		25	2.3	ug/L		10/28/20 08:42	11/03/20 02:50	5
2-Chlorophenol	ND		25	2.7	ug/L		10/28/20 08:42	11/03/20 02:50	5
2-Methylnaphthalene	ND		25	3.0	ug/L		10/28/20 08:42	11/03/20 02:50	5
2-Methylphenol	9.2	J	25	2.0	ug/L		10/28/20 08:42	11/03/20 02:50	5
2-Nitroaniline	ND		50	2.1	ug/L		10/28/20 08:42	11/03/20 02:50	5
2-Nitrophenol	ND		25	2.4	ug/L		10/28/20 08:42	11/03/20 02:50	5
3,3'-Dichlorobenzidine	ND		25	2.0	ug/L		10/28/20 08:42	11/03/20 02:50	5
3-Nitroaniline	ND		50	2.4	ug/L		10/28/20 08:42	11/03/20 02:50	5
4,6-Dinitro-2-methylphenol	ND		50	11	ug/L		10/28/20 08:42	11/03/20 02:50	5
4-Bromophenyl phenyl ether	ND		25	2.3	ug/L		10/28/20 08:42	11/03/20 02:50	5
4-Chloro-3-methylphenol	ND		25	2.3	ug/L		10/28/20 08:42	11/03/20 02:50	5
4-Chloroaniline	ND		25	3.0	ug/L		10/28/20 08:42	11/03/20 02:50	5
4-Chlorophenyl phenyl ether	ND		25	1.8	ug/L		10/28/20 08:42	11/03/20 02:50	5
4-Methylphenol	ND		50	1.8	ug/L		10/28/20 08:42	11/03/20 02:50	5
4-Nitroaniline	ND		50	1.3	ug/L		10/28/20 08:42	11/03/20 02:50	5
4-Nitrophenol	ND		50	7.6	ug/L		10/28/20 08:42	11/03/20 02:50	5
Acenaphthene	ND		25	2.1	ug/L		10/28/20 08:42	11/03/20 02:50	5
Acenaphthylene	ND		25	1.9	ug/L		10/28/20 08:42	11/03/20 02:50	5
Anthracene	ND		25	1.4	ug/L		10/28/20 08:42	11/03/20 02:50	5
Benzo[a]anthracene	ND		25	1.8	ug/L		10/28/20 08:42	11/03/20 02:50	5
Benzo[a]pyrene	ND		25	2.4	ug/L		10/28/20 08:42	11/03/20 02:50	5
Benzo[b]fluoranthene	ND		25	1.7	ug/L		10/28/20 08:42	11/03/20 02:50	5
Benzo[g,h,i]perylene	ND		25	1.8	ug/L		10/28/20 08:42	11/03/20 02:50	5
Benzo[k]fluoranthene	ND		25	3.7	ug/L		10/28/20 08:42	11/03/20 02:50	5
Bis(2-chloroethoxy)methane	ND		25	1.8	ug/L		10/28/20 08:42	11/03/20 02:50	5
Bis(2-chloroethyl)ether	ND		25	2.0	ug/L		10/28/20 08:42	11/03/20 02:50	5
Bis(2-ethylhexyl) phthalate	ND		25	11	ug/L		10/28/20 08:42	11/03/20 02:50	5
Butyl benzyl phthalate	ND		25	5.0	ug/L		10/28/20 08:42	11/03/20 02:50	5
Carbazole	ND		25	1.5	ug/L		10/28/20 08:42	11/03/20 02:50	5
Chrysene	ND		25	1.7	ug/L		10/28/20 08:42	11/03/20 02:50	5
Di-n-butyl phthalate	ND		25	1.6	ug/L		10/28/20 08:42	11/03/20 02:50	5
Di-n-octyl phthalate	ND		25	2.4	ug/L		10/28/20 08:42	11/03/20 02:50	5
Dibenz(a,h)anthracene	ND		25	2.1	ug/L		10/28/20 08:42	11/03/20 02:50	5
Dibenzofuran	ND		50	2.6	ug/L		10/28/20 08:42	11/03/20 02:50	5
Diethyl phthalate	ND		25	1.1	ug/L		10/28/20 08:42	11/03/20 02:50	5
Dimethyl phthalate	ND		25	1.8	ug/L		10/28/20 08:42	11/03/20 02:50	5
Fluoranthene	ND		25	2.0	ug/L		10/28/20 08:42	11/03/20 02:50	5
Fluorene	ND		25	1.8	ug/L		10/28/20 08:42	11/03/20 02:50	5
Hexachlorobenzene	ND		25	2.6	ug/L		10/28/20 08:42	11/03/20 02:50	5
Hexachlorobutadiene	ND		25	3.4	ug/L		10/28/20 08:42	11/03/20 02:50	5
Hexachlorocyclopentadiene	ND		25	3.0	ug/L		10/28/20 08:42	11/03/20 02:50	5
Hexachloroethane	ND		25	3.0	ug/L		10/28/20 08:42	11/03/20 02:50	5
Indeno[1,2,3-cd]pyrene	ND		25	2.4	ug/L		10/28/20 08:42	11/03/20 02:50	5
Isophorone	ND		25	2.2	ug/L		10/28/20 08:42	11/03/20 02:50	5
N-Nitrosodi-n-propylamine	ND		25	2.7	ug/L		10/28/20 08:42	11/03/20 02:50	5
N-Nitrosodiphenylamine	ND		25	2.6	ug/L		10/28/20 08:42	11/03/20 02:50	5
Naphthalene	7.4	J	25	3.8	ug/L		10/28/20 08:42	11/03/20 02:50	5
Nitrobenzene	ND		25	1.5	ug/L		10/28/20 08:42	11/03/20 02:50	5
Pentachlorophenol	ND		50	11	ug/L		10/28/20 08:42	11/03/20 02:50	5

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-177100-1

Client Sample ID: S-4

Lab Sample ID: 480-177100-7

Date Collected: 10/22/20 10:30

Matrix: Water

Date Received: 10/23/20 11:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenanthrene	ND		25	2.2	ug/L		10/28/20 08:42	11/03/20 02:50	5
Phenol	ND		25	2.0	ug/L		10/28/20 08:42	11/03/20 02:50	5
Pyrene	ND		25	1.7	ug/L		10/28/20 08:42	11/03/20 02:50	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	100		41 - 120	10/28/20 08:42	11/03/20 02:50	5
2-Fluorobiphenyl	106		48 - 120	10/28/20 08:42	11/03/20 02:50	5
2-Fluorophenol	69		35 - 120	10/28/20 08:42	11/03/20 02:50	5
Nitrobenzene-d5	82		46 - 120	10/28/20 08:42	11/03/20 02:50	5
p-Terphenyl-d14	95		60 - 148	10/28/20 08:42	11/03/20 02:50	5
Phenol-d5	50		22 - 120	10/28/20 08:42	11/03/20 02:50	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		10/27/20 15:20	10/28/20 13:22	1
4,4'-DDE	ND		0.050	0.012	ug/L		10/27/20 15:20	10/28/20 13:22	1
4,4'-DDT	ND		0.050	0.011	ug/L		10/27/20 15:20	10/28/20 13:22	1
Aldrin	ND		0.050	0.0081	ug/L		10/27/20 15:20	10/28/20 13:22	1
alpha-BHC	ND		0.050	0.0077	ug/L		10/27/20 15:20	10/28/20 13:22	1
cis-Chlordane	ND		0.050	0.015	ug/L		10/27/20 15:20	10/28/20 13:22	1
beta-BHC	ND		0.050	0.025	ug/L		10/27/20 15:20	10/28/20 13:22	1
delta-BHC	ND		0.050	0.010	ug/L		10/27/20 15:20	10/28/20 13:22	1
Dieldrin	ND		0.050	0.0098	ug/L		10/27/20 15:20	10/28/20 13:22	1
Endosulfan I	ND		0.050	0.011	ug/L		10/27/20 15:20	10/28/20 13:22	1
Endosulfan II	ND		0.050	0.012	ug/L		10/27/20 15:20	10/28/20 13:22	1
Endosulfan sulfate	ND		0.050	0.016	ug/L		10/27/20 15:20	10/28/20 13:22	1
Endrin	ND		0.050	0.014	ug/L		10/27/20 15:20	10/28/20 13:22	1
Endrin aldehyde	ND		0.050	0.016	ug/L		10/27/20 15:20	10/28/20 13:22	1
Endrin ketone	ND		0.050	0.012	ug/L		10/27/20 15:20	10/28/20 13:22	1
gamma-BHC (Lindane)	ND		0.050	0.0080	ug/L		10/27/20 15:20	10/28/20 13:22	1
trans-Chlordane	ND		0.050	0.011	ug/L		10/27/20 15:20	10/28/20 13:22	1
Heptachlor	ND		0.050	0.0085	ug/L		10/27/20 15:20	10/28/20 13:22	1
Heptachlor epoxide	ND		0.050	0.0074	ug/L		10/27/20 15:20	10/28/20 13:22	1
Methoxychlor	ND		0.050	0.014	ug/L		10/27/20 15:20	10/28/20 13:22	1
Toxaphene	ND		0.50	0.12	ug/L		10/27/20 15:20	10/28/20 13:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	48		20 - 120	10/27/20 15:20	10/28/20 13:22	1
Tetrachloro-m-xylene	70		44 - 120	10/27/20 15:20	10/28/20 13:22	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		10/28/20 07:22	10/30/20 01:18	1
PCB-1221	ND		0.50	0.18	ug/L		10/28/20 07:22	10/30/20 01:18	1
PCB-1232	2.6		0.50	0.18	ug/L		10/28/20 07:22	10/30/20 01:18	1
PCB-1242	ND		0.50	0.18	ug/L		10/28/20 07:22	10/30/20 01:18	1
PCB-1248	ND		0.50	0.18	ug/L		10/28/20 07:22	10/30/20 01:18	1
PCB-1254	ND		0.50	0.25	ug/L		10/28/20 07:22	10/30/20 01:18	1
PCB-1260	ND		0.50	0.25	ug/L		10/28/20 07:22	10/30/20 01:18	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-177100-1

Client Sample ID: S-4

Lab Sample ID: 480-177100-7

Date Collected: 10/22/20 10:30

Matrix: Water

Date Received: 10/23/20 11:45

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	68		19 - 120	10/28/20 07:22	10/30/20 01:18	1
Tetrachloro-m-xylene	115		39 - 121	10/28/20 07:22	10/30/20 01:18	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.19	J	0.20	0.060	mg/L		10/29/20 09:07	10/29/20 19:45	1
Antimony	ND		0.020	0.0068	mg/L		10/29/20 09:07	10/29/20 19:45	1
Arsenic	ND		0.010	0.0056	mg/L		10/29/20 09:07	10/29/20 19:45	1
Barium	0.032	^	0.0020	0.00070	mg/L		10/29/20 09:07	10/29/20 19:45	1
Beryllium	ND		0.0020	0.00030	mg/L		10/29/20 09:07	10/29/20 19:45	1
Cadmium	ND		0.0010	0.00050	mg/L		10/29/20 09:07	10/29/20 19:45	1
Calcium	117		0.50	0.10	mg/L		10/29/20 09:07	10/29/20 19:45	1
Chromium	ND		0.0040	0.0010	mg/L		10/29/20 09:07	10/29/20 19:45	1
Cobalt	ND		0.0040	0.00063	mg/L		10/29/20 09:07	10/29/20 19:45	1
Copper	ND		0.010	0.0016	mg/L		10/29/20 09:07	10/29/20 19:45	1
Iron	0.083		0.050	0.019	mg/L		10/29/20 09:07	10/29/20 19:45	1
Lead	ND		0.0050	0.0030	mg/L		10/29/20 09:07	10/29/20 19:45	1
Magnesium	4.4		0.20	0.043	mg/L		10/29/20 09:07	10/29/20 19:45	1
Manganese	0.11		0.0030	0.00040	mg/L		10/29/20 09:07	10/29/20 19:45	1
Nickel	0.0016	J	0.010	0.0013	mg/L		10/29/20 09:07	10/29/20 19:45	1
Potassium	74.4		0.50	0.10	mg/L		10/29/20 09:07	10/29/20 19:45	1
Selenium	ND		0.015	0.0087	mg/L		10/29/20 09:07	10/29/20 19:45	1
Silver	ND		0.0030	0.0017	mg/L		10/29/20 09:07	10/29/20 19:45	1
Sodium	180		1.0	0.32	mg/L		10/29/20 09:07	10/29/20 19:45	1
Thallium	ND		0.020	0.010	mg/L		10/29/20 09:07	10/29/20 19:45	1
Vanadium	0.0052		0.0050	0.0015	mg/L		10/29/20 09:07	10/29/20 19:45	1
Zinc	ND		0.010	0.0015	mg/L		10/29/20 09:07	10/29/20 19:45	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		10/28/20 14:15	10/28/20 18:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.022	F1	0.010	0.0050	mg/L		11/03/20 21:18	11/04/20 15:35	1

Client Sample ID: DUP

Lab Sample ID: 480-177100-8

Date Collected: 10/22/20 13:45

Matrix: Water

Date Received: 10/23/20 11:45

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			10/26/20 21:03	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			10/26/20 21:03	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			10/26/20 21:03	2
1,1-Dichloroethane	1.8	J	2.0	0.76	ug/L			10/26/20 21:03	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			10/26/20 21:03	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			10/26/20 21:03	2
1,2-Dichloroethene, Total	ND		4.0	1.6	ug/L			10/26/20 21:03	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			10/26/20 21:03	2
2-Butanone (MEK)	ND		20	2.6	ug/L			10/26/20 21:03	2

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-177100-1

Client Sample ID: DUP

Lab Sample ID: 480-177100-8

Date Collected: 10/22/20 13:45

Matrix: Water

Date Received: 10/23/20 11:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Hexanone	ND		10	2.5	ug/L			10/26/20 21:03	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			10/26/20 21:03	2
Acetone	ND		20	6.0	ug/L			10/26/20 21:03	2
Benzene	ND		2.0	0.82	ug/L			10/26/20 21:03	2
Bromoform	ND		2.0	0.52	ug/L			10/26/20 21:03	2
Bromomethane	ND		2.0	1.4	ug/L			10/26/20 21:03	2
Carbon disulfide	ND		2.0	0.38	ug/L			10/26/20 21:03	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			10/26/20 21:03	2
Chlorobenzene	ND		2.0	1.5	ug/L			10/26/20 21:03	2
Dibromochloromethane	ND		2.0	0.64	ug/L			10/26/20 21:03	2
Chloroethane	ND		2.0	0.64	ug/L			10/26/20 21:03	2
Chloroform	ND		2.0	0.68	ug/L			10/26/20 21:03	2
Chloromethane	ND		2.0	0.70	ug/L			10/26/20 21:03	2
Bromodichloromethane	ND		2.0	0.78	ug/L			10/26/20 21:03	2
Ethylbenzene	ND		2.0	1.5	ug/L			10/26/20 21:03	2
Methylene Chloride	ND		2.0	0.88	ug/L			10/26/20 21:03	2
Tetrachloroethene	ND		2.0	0.72	ug/L			10/26/20 21:03	2
Toluene	ND		2.0	1.0	ug/L			10/26/20 21:03	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			10/26/20 21:03	2
Trichloroethene	ND		2.0	0.92	ug/L			10/26/20 21:03	2
Vinyl chloride	ND		2.0	1.8	ug/L			10/26/20 21:03	2
Xylenes, Total	ND		4.0	1.3	ug/L			10/26/20 21:03	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			10/26/20 21:03	2
Styrene	ND		2.0	1.5	ug/L			10/26/20 21:03	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		77 - 120		10/26/20 21:03	2
4-Bromofluorobenzene (Surr)	95		73 - 120		10/26/20 21:03	2
Toluene-d8 (Surr)	91		80 - 120		10/26/20 21:03	2
Dibromofluoromethane (Surr)	110		75 - 123		10/26/20 21:03	2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		10/28/20 08:42	11/03/20 03:17	1
1,2,4-Trichlorobenzene	ND		10	0.44	ug/L		10/28/20 08:42	11/03/20 03:17	1
2,4,5-Trichlorophenol	1.4	J	5.0	0.48	ug/L		10/28/20 08:42	11/03/20 03:17	1
1,2-Dichlorobenzene	ND		10	0.40	ug/L		10/28/20 08:42	11/03/20 03:17	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		10/28/20 08:42	11/03/20 03:17	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		10/28/20 08:42	11/03/20 03:17	1
2,4-Dimethylphenol	53		5.0	0.50	ug/L		10/28/20 08:42	11/03/20 03:17	1
1,3-Dichlorobenzene	ND		10	0.48	ug/L		10/28/20 08:42	11/03/20 03:17	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		10/28/20 08:42	11/03/20 03:17	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		10/28/20 08:42	11/03/20 03:17	1
1,4-Dichlorobenzene	ND		10	0.46	ug/L		10/28/20 08:42	11/03/20 03:17	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		10/28/20 08:42	11/03/20 03:17	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		10/28/20 08:42	11/03/20 03:17	1
2-Chlorophenol	ND		5.0	0.53	ug/L		10/28/20 08:42	11/03/20 03:17	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		10/28/20 08:42	11/03/20 03:17	1
2-Methylphenol	22		5.0	0.40	ug/L		10/28/20 08:42	11/03/20 03:17	1
2-Nitroaniline	ND		10	0.42	ug/L		10/28/20 08:42	11/03/20 03:17	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-177100-1

Client Sample ID: DUP

Lab Sample ID: 480-177100-8

Date Collected: 10/22/20 13:45

Matrix: Water

Date Received: 10/23/20 11:45

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		10/28/20 08:42	11/03/20 03:17	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		10/28/20 08:42	11/03/20 03:17	1
3-Nitroaniline	ND		10	0.48	ug/L		10/28/20 08:42	11/03/20 03:17	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		10/28/20 08:42	11/03/20 03:17	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		10/28/20 08:42	11/03/20 03:17	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		10/28/20 08:42	11/03/20 03:17	1
4-Chloroaniline	ND		5.0	0.59	ug/L		10/28/20 08:42	11/03/20 03:17	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		10/28/20 08:42	11/03/20 03:17	1
4-Methylphenol	45		10	0.36	ug/L		10/28/20 08:42	11/03/20 03:17	1
4-Nitroaniline	ND		10	0.25	ug/L		10/28/20 08:42	11/03/20 03:17	1
4-Nitrophenol	ND		10	1.5	ug/L		10/28/20 08:42	11/03/20 03:17	1
Acenaphthene	0.69	J	5.0	0.41	ug/L		10/28/20 08:42	11/03/20 03:17	1
Acenaphthylene	ND		5.0	0.38	ug/L		10/28/20 08:42	11/03/20 03:17	1
Anthracene	ND		5.0	0.28	ug/L		10/28/20 08:42	11/03/20 03:17	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		10/28/20 08:42	11/03/20 03:17	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		10/28/20 08:42	11/03/20 03:17	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		10/28/20 08:42	11/03/20 03:17	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		10/28/20 08:42	11/03/20 03:17	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		10/28/20 08:42	11/03/20 03:17	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		10/28/20 08:42	11/03/20 03:17	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		10/28/20 08:42	11/03/20 03:17	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		10/28/20 08:42	11/03/20 03:17	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		10/28/20 08:42	11/03/20 03:17	1
Carbazole	0.50	J	5.0	0.30	ug/L		10/28/20 08:42	11/03/20 03:17	1
Chrysene	ND		5.0	0.33	ug/L		10/28/20 08:42	11/03/20 03:17	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		10/28/20 08:42	11/03/20 03:17	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		10/28/20 08:42	11/03/20 03:17	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		10/28/20 08:42	11/03/20 03:17	1
Dibenzofuran	ND		10	0.51	ug/L		10/28/20 08:42	11/03/20 03:17	1
Diethyl phthalate	ND		5.0	0.22	ug/L		10/28/20 08:42	11/03/20 03:17	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		10/28/20 08:42	11/03/20 03:17	1
Fluoranthene	ND		5.0	0.40	ug/L		10/28/20 08:42	11/03/20 03:17	1
Fluorene	0.57	J	5.0	0.36	ug/L		10/28/20 08:42	11/03/20 03:17	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		10/28/20 08:42	11/03/20 03:17	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		10/28/20 08:42	11/03/20 03:17	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		10/28/20 08:42	11/03/20 03:17	1
Hexachloroethane	ND		5.0	0.59	ug/L		10/28/20 08:42	11/03/20 03:17	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		10/28/20 08:42	11/03/20 03:17	1
Isophorone	ND		5.0	0.43	ug/L		10/28/20 08:42	11/03/20 03:17	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		10/28/20 08:42	11/03/20 03:17	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		10/28/20 08:42	11/03/20 03:17	1
Naphthalene	ND		5.0	0.76	ug/L		10/28/20 08:42	11/03/20 03:17	1
Nitrobenzene	ND		5.0	0.29	ug/L		10/28/20 08:42	11/03/20 03:17	1
Pentachlorophenol	ND		10	2.2	ug/L		10/28/20 08:42	11/03/20 03:17	1
Phenanthrene	0.81	J	5.0	0.44	ug/L		10/28/20 08:42	11/03/20 03:17	1
Phenol	ND		5.0	0.39	ug/L		10/28/20 08:42	11/03/20 03:17	1
Pyrene	ND		5.0	0.34	ug/L		10/28/20 08:42	11/03/20 03:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	106		41 - 120	10/28/20 08:42	11/03/20 03:17	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-177100-1

Client Sample ID: DUP

Lab Sample ID: 480-177100-8

Date Collected: 10/22/20 13:45

Matrix: Water

Date Received: 10/23/20 11:45

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	98		48 - 120	10/28/20 08:42	11/03/20 03:17	1
2-Fluorophenol	69		35 - 120	10/28/20 08:42	11/03/20 03:17	1
Nitrobenzene-d5	91		46 - 120	10/28/20 08:42	11/03/20 03:17	1
p-Terphenyl-d14	91		60 - 148	10/28/20 08:42	11/03/20 03:17	1
Phenol-d5	52		22 - 120	10/28/20 08:42	11/03/20 03:17	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		10/27/20 15:20	10/28/20 13:41	1
4,4'-DDE	ND		0.050	0.012	ug/L		10/27/20 15:20	10/28/20 13:41	1
4,4'-DDT	0.011	J	0.050	0.011	ug/L		10/27/20 15:20	10/28/20 13:41	1
Aldrin	ND		0.050	0.0081	ug/L		10/27/20 15:20	10/28/20 13:41	1
alpha-BHC	ND		0.050	0.0077	ug/L		10/27/20 15:20	10/28/20 13:41	1
cis-Chlordane	ND		0.050	0.015	ug/L		10/27/20 15:20	10/28/20 13:41	1
beta-BHC	ND		0.050	0.025	ug/L		10/27/20 15:20	10/28/20 13:41	1
delta-BHC	ND		0.050	0.010	ug/L		10/27/20 15:20	10/28/20 13:41	1
Dieldrin	ND		0.050	0.0098	ug/L		10/27/20 15:20	10/28/20 13:41	1
Endosulfan I	ND		0.050	0.011	ug/L		10/27/20 15:20	10/28/20 13:41	1
Endosulfan II	ND		0.050	0.012	ug/L		10/27/20 15:20	10/28/20 13:41	1
Endosulfan sulfate	ND		0.050	0.016	ug/L		10/27/20 15:20	10/28/20 13:41	1
Endrin	ND		0.050	0.014	ug/L		10/27/20 15:20	10/28/20 13:41	1
Endrin aldehyde	ND		0.050	0.016	ug/L		10/27/20 15:20	10/28/20 13:41	1
Endrin ketone	ND		0.050	0.012	ug/L		10/27/20 15:20	10/28/20 13:41	1
gamma-BHC (Lindane)	ND		0.050	0.0080	ug/L		10/27/20 15:20	10/28/20 13:41	1
trans-Chlordane	ND		0.050	0.011	ug/L		10/27/20 15:20	10/28/20 13:41	1
Heptachlor	ND		0.050	0.0085	ug/L		10/27/20 15:20	10/28/20 13:41	1
Heptachlor epoxide	ND		0.050	0.0074	ug/L		10/27/20 15:20	10/28/20 13:41	1
Methoxychlor	ND		0.050	0.014	ug/L		10/27/20 15:20	10/28/20 13:41	1
Toxaphene	ND		0.50	0.12	ug/L		10/27/20 15:20	10/28/20 13:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	43		20 - 120	10/27/20 15:20	10/28/20 13:41	1
Tetrachloro-m-xylene	72		44 - 120	10/27/20 15:20	10/28/20 13:41	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		10/28/20 07:22	10/30/20 01:34	1
PCB-1221	ND		0.50	0.18	ug/L		10/28/20 07:22	10/30/20 01:34	1
PCB-1232	ND		0.50	0.18	ug/L		10/28/20 07:22	10/30/20 01:34	1
PCB-1242	0.55		0.50	0.18	ug/L		10/28/20 07:22	10/30/20 01:34	1
PCB-1248	ND		0.50	0.18	ug/L		10/28/20 07:22	10/30/20 01:34	1
PCB-1254	ND		0.50	0.25	ug/L		10/28/20 07:22	10/30/20 01:34	1
PCB-1260	ND		0.50	0.25	ug/L		10/28/20 07:22	10/30/20 01:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	57		19 - 120	10/28/20 07:22	10/30/20 01:34	1
Tetrachloro-m-xylene	120		39 - 121	10/28/20 07:22	10/30/20 01:34	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-177100-1

Client Sample ID: DUP

Lab Sample ID: 480-177100-8

Date Collected: 10/22/20 13:45

Matrix: Water

Date Received: 10/23/20 11:45

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.27		0.20	0.060	mg/L		10/29/20 09:07	10/29/20 19:49	1
Antimony	ND		0.020	0.0068	mg/L		10/29/20 09:07	10/29/20 19:49	1
Arsenic	0.0063	J	0.010	0.0056	mg/L		10/29/20 09:07	10/29/20 19:49	1
Barium	0.043	^	0.0020	0.00070	mg/L		10/29/20 09:07	10/29/20 19:49	1
Beryllium	ND		0.0020	0.00030	mg/L		10/29/20 09:07	10/29/20 19:49	1
Cadmium	ND		0.0010	0.00050	mg/L		10/29/20 09:07	10/29/20 19:49	1
Calcium	66.1		0.50	0.10	mg/L		10/29/20 09:07	10/29/20 19:49	1
Chromium	ND		0.0040	0.0010	mg/L		10/29/20 09:07	10/29/20 19:49	1
Cobalt	ND		0.0040	0.00063	mg/L		10/29/20 09:07	10/29/20 19:49	1
Copper	0.0019	J	0.010	0.0016	mg/L		10/29/20 09:07	10/29/20 19:49	1
Iron	0.086		0.050	0.019	mg/L		10/29/20 09:07	10/29/20 19:49	1
Lead	ND		0.0050	0.0030	mg/L		10/29/20 09:07	10/29/20 19:49	1
Magnesium	0.52		0.20	0.043	mg/L		10/29/20 09:07	10/29/20 19:49	1
Manganese	0.0095		0.0030	0.00040	mg/L		10/29/20 09:07	10/29/20 19:49	1
Nickel	0.0024	J	0.010	0.0013	mg/L		10/29/20 09:07	10/29/20 19:49	1
Potassium	45.0		0.50	0.10	mg/L		10/29/20 09:07	10/29/20 19:49	1
Selenium	ND		0.015	0.0087	mg/L		10/29/20 09:07	10/29/20 19:49	1
Silver	ND		0.0030	0.0017	mg/L		10/29/20 09:07	10/29/20 19:49	1
Sodium	177		1.0	0.32	mg/L		10/29/20 09:07	10/29/20 19:49	1
Thallium	ND		0.020	0.010	mg/L		10/29/20 09:07	10/29/20 19:49	1
Vanadium	0.0050		0.0050	0.0015	mg/L		10/29/20 09:07	10/29/20 19:49	1
Zinc	0.041		0.010	0.0015	mg/L		10/29/20 09:07	10/29/20 19:49	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		10/28/20 14:15	10/28/20 18:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.049		0.010	0.0050	mg/L		11/03/20 21:18	11/04/20 15:38	1

Client Sample ID: RW-4

Lab Sample ID: 480-177100-9

Date Collected: 10/23/20 08:45

Matrix: Water

Date Received: 10/23/20 11:45

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			10/26/20 21:27	2
1,1,1,2-Tetrachloroethane	ND		2.0	0.42	ug/L			10/26/20 21:27	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			10/26/20 21:27	2
1,1-Dichloroethane	ND		2.0	0.76	ug/L			10/26/20 21:27	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			10/26/20 21:27	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			10/26/20 21:27	2
1,2-Dichloroethene, Total	ND		4.0	1.6	ug/L			10/26/20 21:27	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			10/26/20 21:27	2
2-Butanone (MEK)	ND		20	2.6	ug/L			10/26/20 21:27	2
2-Hexanone	ND		10	2.5	ug/L			10/26/20 21:27	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			10/26/20 21:27	2
Acetone	ND		20	6.0	ug/L			10/26/20 21:27	2
Benzene	12		2.0	0.82	ug/L			10/26/20 21:27	2

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-177100-1

Client Sample ID: RW-4

Lab Sample ID: 480-177100-9

Date Collected: 10/23/20 08:45

Matrix: Water

Date Received: 10/23/20 11:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	ND		2.0	0.52	ug/L			10/26/20 21:27	2
Bromomethane	ND		2.0	1.4	ug/L			10/26/20 21:27	2
Carbon disulfide	ND		2.0	0.38	ug/L			10/26/20 21:27	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			10/26/20 21:27	2
Chlorobenzene	ND		2.0	1.5	ug/L			10/26/20 21:27	2
Dibromochloromethane	ND		2.0	0.64	ug/L			10/26/20 21:27	2
Chloroethane	ND		2.0	0.64	ug/L			10/26/20 21:27	2
Chloroform	ND		2.0	0.68	ug/L			10/26/20 21:27	2
Chloromethane	ND		2.0	0.70	ug/L			10/26/20 21:27	2
Bromodichloromethane	ND		2.0	0.78	ug/L			10/26/20 21:27	2
Ethylbenzene	6.2		2.0	1.5	ug/L			10/26/20 21:27	2
Methylene Chloride	ND		2.0	0.88	ug/L			10/26/20 21:27	2
Tetrachloroethene	ND		2.0	0.72	ug/L			10/26/20 21:27	2
Toluene	ND		2.0	1.0	ug/L			10/26/20 21:27	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			10/26/20 21:27	2
Trichloroethene	ND		2.0	0.92	ug/L			10/26/20 21:27	2
Vinyl chloride	ND		2.0	1.8	ug/L			10/26/20 21:27	2
Xylenes, Total	2.6 J		4.0	1.3	ug/L			10/26/20 21:27	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			10/26/20 21:27	2
Styrene	ND		2.0	1.5	ug/L			10/26/20 21:27	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		77 - 120		10/26/20 21:27	2
4-Bromofluorobenzene (Surr)	99		73 - 120		10/26/20 21:27	2
Toluene-d8 (Surr)	95		80 - 120		10/26/20 21:27	2
Dibromofluoromethane (Surr)	111		75 - 123		10/26/20 21:27	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		10/28/20 08:42	11/03/20 03:44	1
1,2,4-Trichlorobenzene	ND		10	0.44	ug/L		10/28/20 08:42	11/03/20 03:44	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		10/28/20 08:42	11/03/20 03:44	1
1,2-Dichlorobenzene	ND		10	0.40	ug/L		10/28/20 08:42	11/03/20 03:44	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		10/28/20 08:42	11/03/20 03:44	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		10/28/20 08:42	11/03/20 03:44	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		10/28/20 08:42	11/03/20 03:44	1
1,3-Dichlorobenzene	ND		10	0.48	ug/L		10/28/20 08:42	11/03/20 03:44	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		10/28/20 08:42	11/03/20 03:44	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		10/28/20 08:42	11/03/20 03:44	1
1,4-Dichlorobenzene	ND		10	0.46	ug/L		10/28/20 08:42	11/03/20 03:44	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		10/28/20 08:42	11/03/20 03:44	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		10/28/20 08:42	11/03/20 03:44	1
2-Chlorophenol	ND		5.0	0.53	ug/L		10/28/20 08:42	11/03/20 03:44	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		10/28/20 08:42	11/03/20 03:44	1
2-Methylphenol	ND		5.0	0.40	ug/L		10/28/20 08:42	11/03/20 03:44	1
2-Nitroaniline	ND		10	0.42	ug/L		10/28/20 08:42	11/03/20 03:44	1
2-Nitrophenol	ND		5.0	0.48	ug/L		10/28/20 08:42	11/03/20 03:44	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		10/28/20 08:42	11/03/20 03:44	1
3-Nitroaniline	ND		10	0.48	ug/L		10/28/20 08:42	11/03/20 03:44	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		10/28/20 08:42	11/03/20 03:44	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-177100-1

Client Sample ID: RW-4

Lab Sample ID: 480-177100-9

Date Collected: 10/23/20 08:45

Matrix: Water

Date Received: 10/23/20 11:45

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		10/28/20 08:42	11/03/20 03:44	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		10/28/20 08:42	11/03/20 03:44	1
4-Chloroaniline	ND		5.0	0.59	ug/L		10/28/20 08:42	11/03/20 03:44	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		10/28/20 08:42	11/03/20 03:44	1
4-Methylphenol	ND		10	0.36	ug/L		10/28/20 08:42	11/03/20 03:44	1
4-Nitroaniline	ND		10	0.25	ug/L		10/28/20 08:42	11/03/20 03:44	1
4-Nitrophenol	ND		10	1.5	ug/L		10/28/20 08:42	11/03/20 03:44	1
Acenaphthene	0.45	J	5.0	0.41	ug/L		10/28/20 08:42	11/03/20 03:44	1
Acenaphthylene	0.58	J	5.0	0.38	ug/L		10/28/20 08:42	11/03/20 03:44	1
Anthracene	ND		5.0	0.28	ug/L		10/28/20 08:42	11/03/20 03:44	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		10/28/20 08:42	11/03/20 03:44	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		10/28/20 08:42	11/03/20 03:44	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		10/28/20 08:42	11/03/20 03:44	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		10/28/20 08:42	11/03/20 03:44	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		10/28/20 08:42	11/03/20 03:44	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		10/28/20 08:42	11/03/20 03:44	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		10/28/20 08:42	11/03/20 03:44	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		10/28/20 08:42	11/03/20 03:44	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		10/28/20 08:42	11/03/20 03:44	1
Carbazole	ND		5.0	0.30	ug/L		10/28/20 08:42	11/03/20 03:44	1
Chrysene	ND		5.0	0.33	ug/L		10/28/20 08:42	11/03/20 03:44	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		10/28/20 08:42	11/03/20 03:44	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		10/28/20 08:42	11/03/20 03:44	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		10/28/20 08:42	11/03/20 03:44	1
Dibenzofuran	ND		10	0.51	ug/L		10/28/20 08:42	11/03/20 03:44	1
Diethyl phthalate	1.9	J	5.0	0.22	ug/L		10/28/20 08:42	11/03/20 03:44	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		10/28/20 08:42	11/03/20 03:44	1
Fluoranthene	ND		5.0	0.40	ug/L		10/28/20 08:42	11/03/20 03:44	1
Fluorene	ND		5.0	0.36	ug/L		10/28/20 08:42	11/03/20 03:44	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		10/28/20 08:42	11/03/20 03:44	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		10/28/20 08:42	11/03/20 03:44	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		10/28/20 08:42	11/03/20 03:44	1
Hexachloroethane	ND		5.0	0.59	ug/L		10/28/20 08:42	11/03/20 03:44	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		10/28/20 08:42	11/03/20 03:44	1
Isophorone	ND		5.0	0.43	ug/L		10/28/20 08:42	11/03/20 03:44	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		10/28/20 08:42	11/03/20 03:44	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		10/28/20 08:42	11/03/20 03:44	1
Naphthalene	ND		5.0	0.76	ug/L		10/28/20 08:42	11/03/20 03:44	1
Nitrobenzene	ND		5.0	0.29	ug/L		10/28/20 08:42	11/03/20 03:44	1
Pentachlorophenol	ND		10	2.2	ug/L		10/28/20 08:42	11/03/20 03:44	1
Phenanthrene	ND		5.0	0.44	ug/L		10/28/20 08:42	11/03/20 03:44	1
Phenol	ND		5.0	0.39	ug/L		10/28/20 08:42	11/03/20 03:44	1
Pyrene	ND		5.0	0.34	ug/L		10/28/20 08:42	11/03/20 03:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	110		41 - 120				10/28/20 08:42	11/03/20 03:44	1
2-Fluorobiphenyl	96		48 - 120				10/28/20 08:42	11/03/20 03:44	1
2-Fluorophenol	68		35 - 120				10/28/20 08:42	11/03/20 03:44	1
Nitrobenzene-d5	95		46 - 120				10/28/20 08:42	11/03/20 03:44	1
p-Terphenyl-d14	89		60 - 148				10/28/20 08:42	11/03/20 03:44	1

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Client Sample Results

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

Job ID: 480-177100-1

Client Sample ID: RW-4

Date Collected: 10/23/20 08:45

Date Received: 10/23/20 11:45

Lab Sample ID: 480-177100-9

Matrix: Water

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Phenol-d5	53		22 - 120	10/28/20 08:42	11/03/20 03:44	1

Client Sample ID: RW-5

Date Collected: 10/23/20 10:00

Date Received: 10/23/20 11:45

Lab Sample ID: 480-177100-10

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			10/26/20 21:52	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/26/20 21:52	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/26/20 21:52	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/26/20 21:52	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/26/20 21:52	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/26/20 21:52	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/26/20 21:52	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/26/20 21:52	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/26/20 21:52	1
2-Hexanone	ND		5.0	1.2	ug/L			10/26/20 21:52	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/26/20 21:52	1
Acetone	ND		10	3.0	ug/L			10/26/20 21:52	1
Benzene	0.58	J	1.0	0.41	ug/L			10/26/20 21:52	1
Bromoform	ND		1.0	0.26	ug/L			10/26/20 21:52	1
Bromomethane	ND		1.0	0.69	ug/L			10/26/20 21:52	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/26/20 21:52	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/26/20 21:52	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/26/20 21:52	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/26/20 21:52	1
Chloroethane	ND		1.0	0.32	ug/L			10/26/20 21:52	1
Chloroform	ND		1.0	0.34	ug/L			10/26/20 21:52	1
Chloromethane	ND		1.0	0.35	ug/L			10/26/20 21:52	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/26/20 21:52	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/26/20 21:52	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/26/20 21:52	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/26/20 21:52	1
Toluene	ND		1.0	0.51	ug/L			10/26/20 21:52	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/26/20 21:52	1
Trichloroethene	ND		1.0	0.46	ug/L			10/26/20 21:52	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/26/20 21:52	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/26/20 21:52	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/26/20 21:52	1
Styrene	ND		1.0	0.73	ug/L			10/26/20 21:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		77 - 120		10/26/20 21:52	1
4-Bromofluorobenzene (Surr)	108		73 - 120		10/26/20 21:52	1
Toluene-d8 (Surr)	98		80 - 120		10/26/20 21:52	1
Dibromofluoromethane (Surr)	113		75 - 123		10/26/20 21:52	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-177100-1

Client Sample ID: RW-5

Lab Sample ID: 480-177100-10

Date Collected: 10/23/20 10:00

Matrix: Water

Date Received: 10/23/20 11:45

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		10/28/20 08:42	11/03/20 04:12	1
1,2,4-Trichlorobenzene	ND		10	0.44	ug/L		10/28/20 08:42	11/03/20 04:12	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		10/28/20 08:42	11/03/20 04:12	1
1,2-Dichlorobenzene	ND		10	0.40	ug/L		10/28/20 08:42	11/03/20 04:12	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		10/28/20 08:42	11/03/20 04:12	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		10/28/20 08:42	11/03/20 04:12	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		10/28/20 08:42	11/03/20 04:12	1
1,3-Dichlorobenzene	ND		10	0.48	ug/L		10/28/20 08:42	11/03/20 04:12	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		10/28/20 08:42	11/03/20 04:12	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		10/28/20 08:42	11/03/20 04:12	1
1,4-Dichlorobenzene	ND		10	0.46	ug/L		10/28/20 08:42	11/03/20 04:12	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		10/28/20 08:42	11/03/20 04:12	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		10/28/20 08:42	11/03/20 04:12	1
2-Chlorophenol	ND		5.0	0.53	ug/L		10/28/20 08:42	11/03/20 04:12	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		10/28/20 08:42	11/03/20 04:12	1
2-Methylphenol	ND		5.0	0.40	ug/L		10/28/20 08:42	11/03/20 04:12	1
2-Nitroaniline	ND		10	0.42	ug/L		10/28/20 08:42	11/03/20 04:12	1
2-Nitrophenol	ND		5.0	0.48	ug/L		10/28/20 08:42	11/03/20 04:12	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		10/28/20 08:42	11/03/20 04:12	1
3-Nitroaniline	ND		10	0.48	ug/L		10/28/20 08:42	11/03/20 04:12	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		10/28/20 08:42	11/03/20 04:12	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		10/28/20 08:42	11/03/20 04:12	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		10/28/20 08:42	11/03/20 04:12	1
4-Chloroaniline	ND		5.0	0.59	ug/L		10/28/20 08:42	11/03/20 04:12	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		10/28/20 08:42	11/03/20 04:12	1
4-Methylphenol	ND		10	0.36	ug/L		10/28/20 08:42	11/03/20 04:12	1
4-Nitroaniline	ND		10	0.25	ug/L		10/28/20 08:42	11/03/20 04:12	1
4-Nitrophenol	ND		10	1.5	ug/L		10/28/20 08:42	11/03/20 04:12	1
Acenaphthene	ND		5.0	0.41	ug/L		10/28/20 08:42	11/03/20 04:12	1
Acenaphthylene	ND		5.0	0.38	ug/L		10/28/20 08:42	11/03/20 04:12	1
Anthracene	ND		5.0	0.28	ug/L		10/28/20 08:42	11/03/20 04:12	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		10/28/20 08:42	11/03/20 04:12	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		10/28/20 08:42	11/03/20 04:12	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		10/28/20 08:42	11/03/20 04:12	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		10/28/20 08:42	11/03/20 04:12	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		10/28/20 08:42	11/03/20 04:12	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		10/28/20 08:42	11/03/20 04:12	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		10/28/20 08:42	11/03/20 04:12	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		10/28/20 08:42	11/03/20 04:12	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		10/28/20 08:42	11/03/20 04:12	1
Carbazole	ND		5.0	0.30	ug/L		10/28/20 08:42	11/03/20 04:12	1
Chrysene	ND		5.0	0.33	ug/L		10/28/20 08:42	11/03/20 04:12	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		10/28/20 08:42	11/03/20 04:12	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		10/28/20 08:42	11/03/20 04:12	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		10/28/20 08:42	11/03/20 04:12	1
Dibenzofuran	ND		10	0.51	ug/L		10/28/20 08:42	11/03/20 04:12	1
Diethyl phthalate	0.74	J	5.0	0.22	ug/L		10/28/20 08:42	11/03/20 04:12	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		10/28/20 08:42	11/03/20 04:12	1
Fluoranthene	ND		5.0	0.40	ug/L		10/28/20 08:42	11/03/20 04:12	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-177100-1

Client Sample ID: RW-5

Lab Sample ID: 480-177100-10

Date Collected: 10/23/20 10:00

Matrix: Water

Date Received: 10/23/20 11:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	ND		5.0	0.36	ug/L		10/28/20 08:42	11/03/20 04:12	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		10/28/20 08:42	11/03/20 04:12	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		10/28/20 08:42	11/03/20 04:12	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		10/28/20 08:42	11/03/20 04:12	1
Hexachloroethane	ND		5.0	0.59	ug/L		10/28/20 08:42	11/03/20 04:12	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		10/28/20 08:42	11/03/20 04:12	1
Isophorone	ND		5.0	0.43	ug/L		10/28/20 08:42	11/03/20 04:12	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		10/28/20 08:42	11/03/20 04:12	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		10/28/20 08:42	11/03/20 04:12	1
Naphthalene	ND		5.0	0.76	ug/L		10/28/20 08:42	11/03/20 04:12	1
Nitrobenzene	ND		5.0	0.29	ug/L		10/28/20 08:42	11/03/20 04:12	1
Pentachlorophenol	ND		10	2.2	ug/L		10/28/20 08:42	11/03/20 04:12	1
Phenanthrene	ND		5.0	0.44	ug/L		10/28/20 08:42	11/03/20 04:12	1
Phenol	ND		5.0	0.39	ug/L		10/28/20 08:42	11/03/20 04:12	1
Pyrene	ND		5.0	0.34	ug/L		10/28/20 08:42	11/03/20 04:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	100		41 - 120				10/28/20 08:42	11/03/20 04:12	1
2-Fluorobiphenyl	102		48 - 120				10/28/20 08:42	11/03/20 04:12	1
2-Fluorophenol	71		35 - 120				10/28/20 08:42	11/03/20 04:12	1
Nitrobenzene-d5	97		46 - 120				10/28/20 08:42	11/03/20 04:12	1
p-Terphenyl-d14	87		60 - 148				10/28/20 08:42	11/03/20 04:12	1
Phenol-d5	54		22 - 120				10/28/20 08:42	11/03/20 04:12	1

Surrogate Summary

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

Job ID: 480-177100-1

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)			
		DCA (77-120)	BFB (73-120)	TOL (80-120)	DBFM (75-123)
480-177100-1	MW-4	100	108	101	112
480-177100-2	MW-5	99	93	91	110
480-177100-3	MW-6	99	105	97	111
480-177100-3 MS	MW-6	101	116	95	117
480-177100-3 MSD	MW-6	104	108	92	121
480-177100-4	S-1	100	105	98	111
480-177100-5	S-2	101	93	93	111
480-177100-6	S-3	104	106	98	115
480-177100-7	S-4	101	105	98	110
480-177100-8	DUP	101	95	91	110
480-177100-9	RW-4	101	99	95	111
480-177100-10	RW-5	104	108	98	113
LCS 480-555789/5	Lab Control Sample	99	112	94	116
MB 480-555789/7	Method Blank	102	107	99	114

Surrogate Legend

DCA = 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)	TPHd14 (60-148)	PHL (22-120)
480-177100-1	MW-4	93	99	69	100	85	52
480-177100-2	MW-5	100	103	72	102	89	54
480-177100-3	MW-6	97	100	66	100	86	49
480-177100-3 MS	MW-6	109	99	73	99	73	58
480-177100-3 MSD	MW-6	98	94	69	91	72	57
480-177100-4	S-1	101	93	63	92	68	48
480-177100-5	S-2	100	99	69	98	89	52
480-177100-6	S-3	98	104	67	99	97	50
480-177100-7	S-4	100	106	69	82	95	50
480-177100-8	DUP	106	98	69	91	91	52
480-177100-9	RW-4	110	96	68	95	89	53
480-177100-10	RW-5	100	102	71	97	87	54
LCS 480-556151/2-A	Lab Control Sample	114	109	80	105	111	66
MB 480-556151/1-A	Method Blank	83	90	66	90	98	51

Surrogate Legend

TBP = 2,4,6-Tribromophenol
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol
NBZ = Nitrobenzene-d5
TPHd14 = p-Terphenyl-d14
PHL = Phenol-d5

Surrogate Summary

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

Job ID: 480-177100-1

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	DCBP2 (20-120)	TCX2 (44-120)
480-177100-4	S-1	48	72
480-177100-5	S-2	39	69
480-177100-6	S-3	46	78
480-177100-7	S-4	48	70
480-177100-8	DUP	43	72
LCS 480-556034/2-A	Lab Control Sample	53	68
MB 480-556034/1-A	Method Blank	61	75

Surrogate Legend

DCBP = 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	DCBP2 (19-120)	TCX2 (39-121)
480-177100-4	S-1	38	104
480-177100-5	S-2	58	119
480-177100-6	S-3	60	116
480-177100-7	S-4	68	115
480-177100-8	DUP	57	120
LCS 480-556099/2-A	Lab Control Sample	59	102
MB 480-556099/1-A	Method Blank	78	105

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

QC Sample Results

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

Job ID: 480-177100-1

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

Lab Sample ID: MB 480-555789/7

Matrix: Water

Analysis Batch: 555789

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			10/26/20 16:20	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/26/20 16:20	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/26/20 16:20	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/26/20 16:20	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/26/20 16:20	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/26/20 16:20	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/26/20 16:20	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/26/20 16:20	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/26/20 16:20	1
2-Hexanone	ND		5.0	1.2	ug/L			10/26/20 16:20	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/26/20 16:20	1
Acetone	ND		10	3.0	ug/L			10/26/20 16:20	1
Benzene	ND		1.0	0.41	ug/L			10/26/20 16:20	1
Bromoform	ND		1.0	0.26	ug/L			10/26/20 16:20	1
Bromomethane	ND		1.0	0.69	ug/L			10/26/20 16:20	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/26/20 16:20	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/26/20 16:20	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/26/20 16:20	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/26/20 16:20	1
Chloroethane	ND		1.0	0.32	ug/L			10/26/20 16:20	1
Chloroform	ND		1.0	0.34	ug/L			10/26/20 16:20	1
Chloromethane	ND		1.0	0.35	ug/L			10/26/20 16:20	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/26/20 16:20	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/26/20 16:20	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/26/20 16:20	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/26/20 16:20	1
Toluene	ND		1.0	0.51	ug/L			10/26/20 16:20	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/26/20 16:20	1
Trichloroethene	ND		1.0	0.46	ug/L			10/26/20 16:20	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/26/20 16:20	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/26/20 16:20	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/26/20 16:20	1
Styrene	ND		1.0	0.73	ug/L			10/26/20 16:20	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		77 - 120		10/26/20 16:20	1
4-Bromofluorobenzene (Surr)	107		73 - 120		10/26/20 16:20	1
Toluene-d8 (Surr)	99		80 - 120		10/26/20 16:20	1
Dibromofluoromethane (Surr)	114		75 - 123		10/26/20 16:20	1

Lab Sample ID: LCS 480-555789/5

Matrix: Water

Analysis Batch: 555789

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	26.0		ug/L		104	73 - 126
1,1,2,2-Tetrachloroethane	25.0	22.4		ug/L		90	76 - 120
1,1,2-Trichloroethane	25.0	22.7		ug/L		91	76 - 122

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-177100-1

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

Lab Sample ID: LCS 480-555789/5

Matrix: Water

Analysis Batch: 555789

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	23.7		ug/L		95	77 - 120
1,1-Dichloroethene	25.0	28.0		ug/L		112	66 - 127
1,2-Dichloroethane	25.0	24.0		ug/L		96	75 - 120
1,2-Dichloropropane	25.0	24.6		ug/L		98	76 - 120
2-Butanone (MEK)	125	127		ug/L		102	57 - 140
2-Hexanone	125	113		ug/L		90	65 - 127
4-Methyl-2-pentanone (MIBK)	125	110		ug/L		88	71 - 125
Acetone	125	125		ug/L		100	56 - 142
Benzene	25.0	25.4		ug/L		101	71 - 124
Bromoform	25.0	25.3		ug/L		101	61 - 132
Bromomethane	25.0	18.1		ug/L		72	55 - 144
Carbon disulfide	25.0	24.8		ug/L		99	59 - 134
Carbon tetrachloride	25.0	26.9		ug/L		107	72 - 134
Chlorobenzene	25.0	24.3		ug/L		97	80 - 120
Dibromochloromethane	25.0	24.7		ug/L		99	75 - 125
Chloroethane	25.0	21.1		ug/L		84	69 - 136
Chloroform	25.0	24.6		ug/L		98	73 - 127
Chloromethane	25.0	23.4		ug/L		93	68 - 124
Bromodichloromethane	25.0	25.4		ug/L		102	80 - 122
Ethylbenzene	25.0	21.9		ug/L		88	77 - 123
Methylene Chloride	25.0	26.4		ug/L		105	75 - 124
Tetrachloroethene	25.0	27.3		ug/L		109	74 - 122
Toluene	25.0	22.8		ug/L		91	80 - 122
trans-1,3-Dichloropropene	25.0	22.0		ug/L		88	80 - 120
Trichloroethene	25.0	27.3		ug/L		109	74 - 123
Vinyl chloride	25.0	22.9		ug/L		92	65 - 133
cis-1,3-Dichloropropene	25.0	25.5		ug/L		102	74 - 124
Styrene	25.0	23.5		ug/L		94	80 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	99		77 - 120
4-Bromofluorobenzene (Surr)	112		73 - 120
Toluene-d8 (Surr)	94		80 - 120
Dibromofluoromethane (Surr)	116		75 - 123

Lab Sample ID: 480-177100-3 MS

Matrix: Water

Analysis Batch: 555789

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		50.0	54.3		ug/L		109	73 - 126
1,1,2,2-Tetrachloroethane	ND		50.0	42.5		ug/L		85	76 - 120
1,1,2-Trichloroethane	ND		50.0	46.0		ug/L		92	76 - 122
1,1-Dichloroethane	ND		50.0	48.6		ug/L		97	77 - 120
1,1-Dichloroethene	ND		50.0	56.4		ug/L		113	66 - 127
1,2-Dichloroethane	ND		50.0	48.8		ug/L		98	75 - 120
1,2-Dichloropropane	ND		50.0	48.5		ug/L		97	76 - 120
2-Butanone (MEK)	ND		250	255		ug/L		102	57 - 140

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-177100-1

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

Lab Sample ID: 480-177100-3 MS

Matrix: Water

Analysis Batch: 555789

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
2-Hexanone	ND		250	224		ug/L		90	65 - 127
4-Methyl-2-pentanone (MIBK)	ND		250	220		ug/L		88	71 - 125
Acetone	ND		250	246		ug/L		98	56 - 142
Benzene	ND		50.0	51.0		ug/L		102	71 - 124
Bromoform	ND		50.0	46.0		ug/L		92	61 - 132
Bromomethane	ND		50.0	34.4		ug/L		69	55 - 144
Carbon disulfide	ND		50.0	47.1		ug/L		94	59 - 134
Carbon tetrachloride	ND		50.0	55.7		ug/L		111	72 - 134
Chlorobenzene	ND		50.0	47.9		ug/L		96	80 - 120
Dibromochloromethane	ND		50.0	47.2		ug/L		94	75 - 125
Chloroethane	ND		50.0	42.1		ug/L		84	69 - 136
Chloroform	ND		50.0	49.9		ug/L		100	73 - 127
Chloromethane	ND		50.0	49.3		ug/L		99	68 - 124
Bromodichloromethane	ND		50.0	50.7		ug/L		101	80 - 122
Ethylbenzene	ND		50.0	43.5		ug/L		87	77 - 123
Methylene Chloride	ND		50.0	53.2		ug/L		106	75 - 124
Tetrachloroethene	ND		50.0	55.1		ug/L		110	74 - 122
Toluene	ND		50.0	45.3		ug/L		91	80 - 122
trans-1,3-Dichloropropene	ND		50.0	42.2		ug/L		84	80 - 120
Trichloroethene	ND		50.0	54.7		ug/L		109	74 - 123
Vinyl chloride	ND		50.0	49.0		ug/L		98	65 - 133
cis-1,3-Dichloropropene	ND		50.0	48.4		ug/L		97	74 - 124
Styrene	ND		50.0	45.4		ug/L		91	80 - 120

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	101		77 - 120
4-Bromofluorobenzene (Surr)	116		73 - 120
Toluene-d8 (Surr)	95		80 - 120
Dibromofluoromethane (Surr)	117		75 - 123

Lab Sample ID: 480-177100-3 MSD

Matrix: Water

Analysis Batch: 555789

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		50.0	55.9		ug/L		112	73 - 126	3	15
1,1,2,2-Tetrachloroethane	ND		50.0	43.9		ug/L		88	76 - 120	3	15
1,1,2-Trichloroethane	ND		50.0	44.7		ug/L		89	76 - 122	3	15
1,1-Dichloroethane	ND		50.0	48.5		ug/L		97	77 - 120	0	20
1,1-Dichloroethene	ND		50.0	58.2		ug/L		116	66 - 127	3	16
1,2-Dichloroethane	ND		50.0	49.8		ug/L		100	75 - 120	2	20
1,2-Dichloropropane	ND		50.0	49.9		ug/L		100	76 - 120	3	20
2-Butanone (MEK)	ND		250	257		ug/L		103	57 - 140	1	20
2-Hexanone	ND		250	221		ug/L		88	65 - 127	1	15
4-Methyl-2-pentanone (MIBK)	ND		250	218		ug/L		87	71 - 125	1	35
Acetone	ND		250	255		ug/L		102	56 - 142	4	15
Benzene	ND		50.0	52.4		ug/L		105	71 - 124	3	13
Bromoform	ND		50.0	46.9		ug/L		94	61 - 132	2	15

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-177100-1

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

Lab Sample ID: 480-177100-3 MSD

Matrix: Water

Analysis Batch: 555789

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
Bromomethane	ND		50.0	34.1		ug/L		68	55 - 144	1	15
Carbon disulfide	ND		50.0	48.8		ug/L		98	59 - 134	4	15
Carbon tetrachloride	ND		50.0	57.7		ug/L		115	72 - 134	4	15
Chlorobenzene	ND		50.0	47.9		ug/L		96	80 - 120	0	25
Dibromochloromethane	ND		50.0	47.6		ug/L		95	75 - 125	1	15
Chloroethane	ND		50.0	41.9		ug/L		84	69 - 136	1	15
Chloroform	ND		50.0	50.9		ug/L		102	73 - 127	2	20
Chloromethane	ND		50.0	48.8		ug/L		98	68 - 124	1	15
Bromodichloromethane	ND		50.0	51.9		ug/L		104	80 - 122	2	15
Ethylbenzene	ND		50.0	43.5		ug/L		87	77 - 123	0	15
Methylene Chloride	ND		50.0	54.8		ug/L		110	75 - 124	3	15
Tetrachloroethene	ND		50.0	54.8		ug/L		110	74 - 122	1	20
Toluene	ND		50.0	44.7		ug/L		89	80 - 122	1	15
trans-1,3-Dichloropropene	ND		50.0	41.9		ug/L		84	80 - 120	1	15
Trichloroethene	ND		50.0	56.8		ug/L		114	74 - 123	4	16
Vinyl chloride	ND		50.0	47.8		ug/L		96	65 - 133	2	15
cis-1,3-Dichloropropene	ND		50.0	49.7		ug/L		99	74 - 124	3	15
Styrene	ND		50.0	45.0		ug/L		90	80 - 120	1	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	104		77 - 120
4-Bromofluorobenzene (Surr)	108		73 - 120
Toluene-d8 (Surr)	92		80 - 120
Dibromofluoromethane (Surr)	121		75 - 123

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

Lab Sample ID: MB 480-556151/1-A

Matrix: Water

Analysis Batch: 556960

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 556151

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		10/28/20 08:42	11/02/20 22:16	1
1,2,4-Trichlorobenzene	ND		10	0.44	ug/L		10/28/20 08:42	11/02/20 22:16	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		10/28/20 08:42	11/02/20 22:16	1
1,2-Dichlorobenzene	ND		10	0.40	ug/L		10/28/20 08:42	11/02/20 22:16	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		10/28/20 08:42	11/02/20 22:16	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		10/28/20 08:42	11/02/20 22:16	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		10/28/20 08:42	11/02/20 22:16	1
1,3-Dichlorobenzene	ND		10	0.48	ug/L		10/28/20 08:42	11/02/20 22:16	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		10/28/20 08:42	11/02/20 22:16	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		10/28/20 08:42	11/02/20 22:16	1
1,4-Dichlorobenzene	ND		10	0.46	ug/L		10/28/20 08:42	11/02/20 22:16	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		10/28/20 08:42	11/02/20 22:16	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		10/28/20 08:42	11/02/20 22:16	1
2-Chlorophenol	ND		5.0	0.53	ug/L		10/28/20 08:42	11/02/20 22:16	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		10/28/20 08:42	11/02/20 22:16	1
2-Methylphenol	ND		5.0	0.40	ug/L		10/28/20 08:42	11/02/20 22:16	1
2-Nitroaniline	ND		10	0.42	ug/L		10/28/20 08:42	11/02/20 22:16	1

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-177100-1

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

Lab Sample ID: MB 480-556151/1-A

Matrix: Water

Analysis Batch: 556960

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 556151

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitrophenol	ND		5.0	0.48	ug/L		10/28/20 08:42	11/02/20 22:16	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		10/28/20 08:42	11/02/20 22:16	1
3-Nitroaniline	ND		10	0.48	ug/L		10/28/20 08:42	11/02/20 22:16	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		10/28/20 08:42	11/02/20 22:16	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		10/28/20 08:42	11/02/20 22:16	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		10/28/20 08:42	11/02/20 22:16	1
4-Chloroaniline	ND		5.0	0.59	ug/L		10/28/20 08:42	11/02/20 22:16	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		10/28/20 08:42	11/02/20 22:16	1
4-Methylphenol	ND		10	0.36	ug/L		10/28/20 08:42	11/02/20 22:16	1
4-Nitroaniline	ND		10	0.25	ug/L		10/28/20 08:42	11/02/20 22:16	1
4-Nitrophenol	ND		10	1.5	ug/L		10/28/20 08:42	11/02/20 22:16	1
Acenaphthene	ND		5.0	0.41	ug/L		10/28/20 08:42	11/02/20 22:16	1
Acenaphthylene	ND		5.0	0.38	ug/L		10/28/20 08:42	11/02/20 22:16	1
Anthracene	ND		5.0	0.28	ug/L		10/28/20 08:42	11/02/20 22:16	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		10/28/20 08:42	11/02/20 22:16	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		10/28/20 08:42	11/02/20 22:16	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		10/28/20 08:42	11/02/20 22:16	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		10/28/20 08:42	11/02/20 22:16	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		10/28/20 08:42	11/02/20 22:16	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		10/28/20 08:42	11/02/20 22:16	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		10/28/20 08:42	11/02/20 22:16	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		10/28/20 08:42	11/02/20 22:16	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		10/28/20 08:42	11/02/20 22:16	1
Carbazole	ND		5.0	0.30	ug/L		10/28/20 08:42	11/02/20 22:16	1
Chrysene	ND		5.0	0.33	ug/L		10/28/20 08:42	11/02/20 22:16	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		10/28/20 08:42	11/02/20 22:16	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		10/28/20 08:42	11/02/20 22:16	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		10/28/20 08:42	11/02/20 22:16	1
Dibenzofuran	ND		10	0.51	ug/L		10/28/20 08:42	11/02/20 22:16	1
Diethyl phthalate	ND		5.0	0.22	ug/L		10/28/20 08:42	11/02/20 22:16	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		10/28/20 08:42	11/02/20 22:16	1
Fluoranthene	ND		5.0	0.40	ug/L		10/28/20 08:42	11/02/20 22:16	1
Fluorene	ND		5.0	0.36	ug/L		10/28/20 08:42	11/02/20 22:16	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		10/28/20 08:42	11/02/20 22:16	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		10/28/20 08:42	11/02/20 22:16	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		10/28/20 08:42	11/02/20 22:16	1
Hexachloroethane	ND		5.0	0.59	ug/L		10/28/20 08:42	11/02/20 22:16	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		10/28/20 08:42	11/02/20 22:16	1
Isophorone	ND		5.0	0.43	ug/L		10/28/20 08:42	11/02/20 22:16	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		10/28/20 08:42	11/02/20 22:16	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		10/28/20 08:42	11/02/20 22:16	1
Naphthalene	ND		5.0	0.76	ug/L		10/28/20 08:42	11/02/20 22:16	1
Nitrobenzene	ND		5.0	0.29	ug/L		10/28/20 08:42	11/02/20 22:16	1
Pentachlorophenol	ND		10	2.2	ug/L		10/28/20 08:42	11/02/20 22:16	1
Phenanthrene	ND		5.0	0.44	ug/L		10/28/20 08:42	11/02/20 22:16	1
Phenol	ND		5.0	0.39	ug/L		10/28/20 08:42	11/02/20 22:16	1
Pyrene	ND		5.0	0.34	ug/L		10/28/20 08:42	11/02/20 22:16	1

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-177100-1

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

Lab Sample ID: MB 480-556151/1-A

Matrix: Water

Analysis Batch: 556960

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 556151

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	83		41 - 120	10/28/20 08:42	11/02/20 22:16	1
2-Fluorobiphenyl	90		48 - 120	10/28/20 08:42	11/02/20 22:16	1
2-Fluorophenol	66		35 - 120	10/28/20 08:42	11/02/20 22:16	1
Nitrobenzene-d5	90		46 - 120	10/28/20 08:42	11/02/20 22:16	1
p-Terphenyl-d14	98		60 - 148	10/28/20 08:42	11/02/20 22:16	1
Phenol-d5	51		22 - 120	10/28/20 08:42	11/02/20 22:16	1

Lab Sample ID: LCS 480-556151/2-A

Matrix: Water

Analysis Batch: 556960

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 556151

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
bis (2-chloroisopropyl) ether	32.0	27.6		ug/L		86	21 - 136
1,2,4-Trichlorobenzene	32.0	26.7		ug/L		84	40 - 120
2,4,5-Trichlorophenol	32.0	33.3		ug/L		104	65 - 126
1,2-Dichlorobenzene	32.0	27.0		ug/L		84	49 - 120
2,4,6-Trichlorophenol	32.0	34.7		ug/L		109	64 - 120
2,4-Dichlorophenol	32.0	31.7		ug/L		99	63 - 120
2,4-Dimethylphenol	32.0	32.2		ug/L		101	47 - 120
1,3-Dichlorobenzene	32.0	26.3		ug/L		82	50 - 120
2,4-Dinitrophenol	64.0	64.9		ug/L		101	31 - 137
2,4-Dinitrotoluene	32.0	35.6		ug/L		111	69 - 120
1,4-Dichlorobenzene	32.0	26.2		ug/L		82	51 - 120
2,6-Dinitrotoluene	32.0	35.3		ug/L		110	68 - 120
2-Chloronaphthalene	32.0	30.2		ug/L		94	58 - 120
2-Chlorophenol	32.0	29.3		ug/L		92	48 - 120
2-Methylnaphthalene	32.0	29.8		ug/L		93	59 - 120
2-Methylphenol	32.0	29.8		ug/L		93	39 - 120
2-Nitroaniline	32.0	34.3		ug/L		107	54 - 127
2-Nitrophenol	32.0	32.3		ug/L		101	52 - 125
3,3'-Dichlorobenzidine	64.0	67.9		ug/L		106	49 - 135
3-Nitroaniline	32.0	28.0		ug/L		87	51 - 120
4,6-Dinitro-2-methylphenol	64.0	66.4		ug/L		104	46 - 136
4-Bromophenyl phenyl ether	32.0	31.4		ug/L		98	65 - 120
4-Chloro-3-methylphenol	32.0	33.7		ug/L		105	61 - 123
4-Chloroaniline	32.0	25.3		ug/L		79	30 - 120
4-Chlorophenyl phenyl ether	32.0	32.0		ug/L		100	62 - 120
4-Methylphenol	32.0	29.2		ug/L		91	29 - 131
4-Nitroaniline	32.0	33.8		ug/L		106	65 - 120
4-Nitrophenol	64.0	55.9		ug/L		87	45 - 120
Acenaphthene	32.0	31.2		ug/L		98	60 - 120
Acenaphthylene	32.0	32.5		ug/L		102	63 - 120
Anthracene	32.0	31.2		ug/L		97	67 - 120
Benzo[a]anthracene	32.0	32.2		ug/L		101	70 - 121
Benzo[a]pyrene	32.0	36.6		ug/L		114	60 - 123
Benzo[b]fluoranthene	32.0	38.1		ug/L		119	66 - 126
Benzo[g,h,i]perylene	32.0	36.8		ug/L		115	66 - 150
Benzo[k]fluoranthene	32.0	36.2		ug/L		113	65 - 124

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-177100-1

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

Lab Sample ID: LCS 480-556151/2-A

Matrix: Water

Analysis Batch: 556960

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 556151

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bis(2-chloroethoxy)methane	32.0	31.9		ug/L		100	50 - 128
Bis(2-chloroethyl)ether	32.0	30.6		ug/L		96	44 - 120
Bis(2-ethylhexyl) phthalate	32.0	32.8		ug/L		102	63 - 139
Butyl benzyl phthalate	32.0	34.6		ug/L		108	70 - 129
Carbazole	32.0	32.5		ug/L		102	66 - 123
Chrysene	32.0	31.6		ug/L		99	69 - 120
Di-n-butyl phthalate	32.0	30.8		ug/L		96	69 - 131
Di-n-octyl phthalate	32.0	33.4		ug/L		104	63 - 140
Dibenz(a,h)anthracene	32.0	37.0		ug/L		116	65 - 135
Dibenzofuran	32.0	31.8		ug/L		99	66 - 120
Diethyl phthalate	32.0	36.1		ug/L		113	59 - 127
Dimethyl phthalate	32.0	36.2		ug/L		113	68 - 120
Fluoranthene	32.0	32.3		ug/L		101	69 - 126
Fluorene	32.0	33.0		ug/L		103	66 - 120
Hexachlorobenzene	32.0	30.2		ug/L		94	61 - 120
Hexachlorobutadiene	32.0	24.3		ug/L		76	35 - 120
Hexachlorocyclopentadiene	32.0	19.8		ug/L		62	31 - 120
Hexachloroethane	32.0	23.9		ug/L		75	43 - 120
Indeno[1,2,3-cd]pyrene	32.0	36.1		ug/L		113	69 - 146
Isophorone	32.0	33.1		ug/L		103	55 - 120
N-Nitrosodi-n-propylamine	32.0	32.6		ug/L		102	32 - 140
N-Nitrosodiphenylamine	32.0	32.7		ug/L		102	61 - 120
Naphthalene	32.0	29.0		ug/L		91	57 - 120
Nitrobenzene	32.0	30.7		ug/L		96	53 - 123
Pentachlorophenol	64.0	65.4		ug/L		102	29 - 136
Phenanthrene	32.0	32.3		ug/L		101	68 - 120
Phenol	32.0	20.3		ug/L		63	17 - 120
Pyrene	32.0	31.4		ug/L		98	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol	114		41 - 120
2-Fluorobiphenyl	109		48 - 120
2-Fluorophenol	80		35 - 120
Nitrobenzene-d5	105		46 - 120
p-Terphenyl-d14	111		60 - 148
Phenol-d5	66		22 - 120

Lab Sample ID: 480-177100-3 MS

Matrix: Water

Analysis Batch: 556960

Client Sample ID: MW-6

Prep Type: Total/NA

Prep Batch: 556151

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
bis (2-chloroisopropyl) ether	ND		32.0	25.0		ug/L		78	28 - 121
1,2,4-Trichlorobenzene	ND		32.0	24.3		ug/L		76	49 - 120
2,4,5-Trichlorophenol	ND		32.0	30.5		ug/L		95	65 - 126
1,2-Dichlorobenzene	ND		32.0	23.9		ug/L		75	48 - 120
2,4,6-Trichlorophenol	ND		32.0	30.9		ug/L		97	64 - 120
2,4-Dichlorophenol	ND		32.0	29.1		ug/L		91	48 - 132

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-177100-1

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

Lab Sample ID: 480-177100-3 MS

Matrix: Water

Analysis Batch: 556960

Client Sample ID: MW-6

Prep Type: Total/NA

Prep Batch: 556151

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-Dimethylphenol	ND		32.0	29.1		ug/L		91	39 - 130
1,3-Dichlorobenzene	ND		32.0	23.5		ug/L		73	51 - 120
2,4-Dinitrophenol	ND		64.0	62.5		ug/L		98	21 - 150
2,4-Dinitrotoluene	ND		32.0	31.9		ug/L		100	54 - 138
1,4-Dichlorobenzene	ND		32.0	23.5		ug/L		73	32 - 150
2,6-Dinitrotoluene	ND		32.0	31.1		ug/L		97	17 - 150
2-Chloronaphthalene	ND		32.0	26.9		ug/L		84	52 - 124
2-Chlorophenol	ND		32.0	26.1		ug/L		82	48 - 120
2-Methylnaphthalene	ND		32.0	26.7		ug/L		84	34 - 140
2-Methylphenol	ND		32.0	27.0		ug/L		85	46 - 120
2-Nitroaniline	ND		32.0	30.0		ug/L		94	44 - 136
2-Nitrophenol	ND		32.0	29.1		ug/L		91	38 - 141
3,3'-Dichlorobenzidine	ND		64.0	36.2		ug/L		57	10 - 150
3-Nitroaniline	ND		32.0	21.6		ug/L		68	32 - 150
4,6-Dinitro-2-methylphenol	ND		64.0	60.7		ug/L		95	38 - 150
4-Bromophenyl phenyl ether	ND		32.0	28.3		ug/L		89	63 - 126
4-Chloro-3-methylphenol	ND		32.0	30.2		ug/L		95	64 - 127
4-Chloroaniline	ND		32.0	19.4		ug/L		61	16 - 124
4-Chlorophenyl phenyl ether	ND		32.0	28.0		ug/L		88	61 - 120
4-Methylphenol	ND		32.0	26.2		ug/L		82	36 - 120
4-Nitroaniline	ND		32.0	30.1		ug/L		94	32 - 150
4-Nitrophenol	ND		64.0	49.6		ug/L		77	23 - 132
Acenaphthene	ND		32.0	28.0		ug/L		87	48 - 120
Acenaphthylene	ND		32.0	29.1		ug/L		91	63 - 120
Anthracene	ND		32.0	28.3		ug/L		89	65 - 122
Benzo[a]anthracene	ND		32.0	24.4		ug/L		76	43 - 124
Benzo[a]pyrene	ND		32.0	25.7		ug/L		80	23 - 125
Benzo[b]fluoranthene	ND		32.0	26.0		ug/L		81	27 - 127
Benzo[g,h,i]perylene	ND		32.0	23.9		ug/L		75	16 - 147
Benzo[k]fluoranthene	ND		32.0	25.4		ug/L		79	20 - 124
Bis(2-chloroethoxy)methane	ND		32.0	29.2		ug/L		91	44 - 128
Bis(2-chloroethyl)ether	ND		32.0	27.6		ug/L		86	45 - 120
Bis(2-ethylhexyl) phthalate	ND		32.0	22.0		ug/L		69	16 - 150
Butyl benzyl phthalate	ND		32.0	28.4		ug/L		89	51 - 140
Carbazole	ND		32.0	32.3		ug/L		101	16 - 148
Chrysene	ND		32.0	24.2		ug/L		76	44 - 122
Di-n-butyl phthalate	ND		32.0	27.2		ug/L		85	65 - 129
Di-n-octyl phthalate	ND		32.0	22.8		ug/L		71	16 - 150
Dibenz(a,h)anthracene	ND		32.0	23.7		ug/L		74	16 - 139
Dibenzofuran	ND		32.0	28.7		ug/L		90	60 - 120
Diethyl phthalate	ND		32.0	32.6		ug/L		102	53 - 133
Dimethyl phthalate	ND		32.0	32.1		ug/L		100	59 - 123
Fluoranthene	ND		32.0	28.4		ug/L		89	63 - 129
Fluorene	ND		32.0	29.5		ug/L		92	62 - 120
Hexachlorobenzene	ND		32.0	25.8		ug/L		81	57 - 121
Hexachlorobutadiene	ND		32.0	22.4		ug/L		70	37 - 120
Hexachlorocyclopentadiene	ND		32.0	19.0		ug/L		59	21 - 120
Hexachloroethane	ND		32.0	21.6		ug/L		68	16 - 130
Indeno[1,2,3-cd]pyrene	ND		32.0	24.1		ug/L		75	16 - 140

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-177100-1

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

Lab Sample ID: 480-177100-3 MS

Matrix: Water

Analysis Batch: 556960

Client Sample ID: MW-6

Prep Type: Total/NA

Prep Batch: 556151

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Isophorone	ND		32.0	30.2		ug/L		94	48 - 133
N-Nitrosodi-n-propylamine	ND		32.0	29.2		ug/L		91	49 - 120
N-Nitrosodiphenylamine	ND		32.0	29.1		ug/L		91	39 - 138
Naphthalene	ND		32.0	26.8		ug/L		84	45 - 120
Nitrobenzene	ND		32.0	28.5		ug/L		89	45 - 123
Pentachlorophenol	ND		64.0	63.2		ug/L		99	23 - 149
Phenanthrene	ND		32.0	29.8		ug/L		93	65 - 122
Phenol	ND		32.0	18.0		ug/L		56	16 - 120
Pyrene	ND		32.0	27.7		ug/L		86	58 - 128

Surrogate	MS %Recovery	MS Qualifier	Limits
2,4,6-Tribromophenol	109		41 - 120
2-Fluorobiphenyl	99		48 - 120
2-Fluorophenol	73		35 - 120
Nitrobenzene-d5	99		46 - 120
p-Terphenyl-d14	73		60 - 148
Phenol-d5	58		22 - 120

Lab Sample ID: 480-177100-3 MSD

Matrix: Water

Analysis Batch: 556960

Client Sample ID: MW-6

Prep Type: Total/NA

Prep Batch: 556151

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
bis (2-chloroisopropyl) ether	ND		32.0	24.1		ug/L		75	28 - 121	4	24
1,2,4-Trichlorobenzene	ND		32.0	22.9		ug/L		72	49 - 120	6	30
2,4,5-Trichlorophenol	ND		32.0	27.8		ug/L		87	65 - 126	9	18
1,2-Dichlorobenzene	ND		32.0	22.4		ug/L		70	48 - 120	6	29
2,4,6-Trichlorophenol	ND		32.0	29.5		ug/L		92	64 - 120	4	19
2,4-Dichlorophenol	ND		32.0	28.0		ug/L		88	48 - 132	4	19
2,4-Dimethylphenol	ND		32.0	27.6		ug/L		86	39 - 130	5	42
1,3-Dichlorobenzene	ND		32.0	21.8		ug/L		68	51 - 120	7	37
2,4-Dinitrophenol	ND		64.0	56.0		ug/L		88	21 - 150	11	22
2,4-Dinitrotoluene	ND		32.0	29.8		ug/L		93	54 - 138	7	20
1,4-Dichlorobenzene	ND		32.0	22.3		ug/L		70	32 - 150	5	36
2,6-Dinitrotoluene	ND		32.0	29.2		ug/L		91	17 - 150	7	15
2-Chloronaphthalene	ND		32.0	25.6		ug/L		80	52 - 124	5	21
2-Chlorophenol	ND		32.0	25.3		ug/L		79	48 - 120	3	25
2-Methylnaphthalene	ND		32.0	25.3		ug/L		79	34 - 140	5	21
2-Methylphenol	ND		32.0	25.8		ug/L		81	46 - 120	5	27
2-Nitroaniline	ND		32.0	28.3		ug/L		88	44 - 136	6	15
2-Nitrophenol	ND		32.0	27.6		ug/L		86	38 - 141	5	18
3,3'-Dichlorobenzidine	ND		64.0	34.3		ug/L		54	10 - 150	5	25
3-Nitroaniline	ND		32.0	21.3		ug/L		67	32 - 150	1	19
4,6-Dinitro-2-methylphenol	ND		64.0	56.5		ug/L		88	38 - 150	7	15
4-Bromophenyl phenyl ether	ND		32.0	25.5		ug/L		80	63 - 126	11	15
4-Chloro-3-methylphenol	ND		32.0	28.4		ug/L		89	64 - 127	6	27
4-Chloroaniline	ND		32.0	19.6		ug/L		61	16 - 124	1	22
4-Chlorophenyl phenyl ether	ND		32.0	26.5		ug/L		83	61 - 120	6	16

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-177100-1

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

Lab Sample ID: 480-177100-3 MSD

Matrix: Water

Analysis Batch: 556960

Client Sample ID: MW-6

Prep Type: Total/NA

Prep Batch: 556151

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4-Methylphenol	ND		32.0	25.3		ug/L		79	36 - 120	3	24
4-Nitroaniline	ND		32.0	27.9		ug/L		87	32 - 150	8	24
4-Nitrophenol	ND		64.0	46.9		ug/L		73	23 - 132	6	48
Acenaphthene	ND		32.0	26.2		ug/L		82	48 - 120	6	24
Acenaphthylene	ND		32.0	28.0		ug/L		87	63 - 120	4	18
Anthracene	ND		32.0	26.9		ug/L		84	65 - 122	5	15
Benzo[a]anthracene	ND		32.0	23.7		ug/L		74	43 - 124	3	15
Benzo[a]pyrene	ND		32.0	24.9		ug/L		78	23 - 125	3	15
Benzo[b]fluoranthene	ND		32.0	25.6		ug/L		80	27 - 127	2	15
Benzo[g,h,i]perylene	ND		32.0	23.8		ug/L		74	16 - 147	0	15
Benzo[k]fluoranthene	ND		32.0	24.9		ug/L		78	20 - 124	2	22
Bis(2-chloroethoxy)methane	ND		32.0	27.6		ug/L		86	44 - 128	6	17
Bis(2-chloroethyl)ether	ND		32.0	25.9		ug/L		81	45 - 120	6	21
Bis(2-ethylhexyl) phthalate	ND		32.0	21.5		ug/L		67	16 - 150	2	15
Butyl benzyl phthalate	ND		32.0	27.2		ug/L		85	51 - 140	4	16
Carbazole	ND		32.0	29.7		ug/L		93	16 - 148	8	20
Chrysene	ND		32.0	23.6		ug/L		74	44 - 122	3	15
Di-n-butyl phthalate	ND		32.0	25.6		ug/L		80	65 - 129	6	15
Di-n-octyl phthalate	ND		32.0	22.7		ug/L		71	16 - 150	0	16
Dibenz(a,h)anthracene	ND		32.0	23.3		ug/L		73	16 - 139	2	15
Dibenzofuran	ND		32.0	27.2		ug/L		85	60 - 120	5	15
Diethyl phthalate	ND		32.0	30.1		ug/L		94	53 - 133	8	15
Dimethyl phthalate	ND		32.0	30.0		ug/L		94	59 - 123	7	15
Fluoranthene	ND		32.0	26.6		ug/L		83	63 - 129	7	15
Fluorene	ND		32.0	27.8		ug/L		87	62 - 120	6	15
Hexachlorobenzene	ND		32.0	24.8		ug/L		77	57 - 121	4	15
Hexachlorobutadiene	ND		32.0	21.1		ug/L		66	37 - 120	6	44
Hexachlorocyclopentadiene	ND		32.0	17.5		ug/L		55	21 - 120	8	49
Hexachloroethane	ND		32.0	20.4		ug/L		64	16 - 130	6	46
Indeno[1,2,3-cd]pyrene	ND		32.0	23.6		ug/L		74	16 - 140	2	15
Isophorone	ND		32.0	28.8		ug/L		90	48 - 133	5	17
N-Nitrosodi-n-propylamine	ND		32.0	27.8		ug/L		87	49 - 120	5	31
N-Nitrosodiphenylamine	ND		32.0	26.4		ug/L		83	39 - 138	10	15
Naphthalene	ND		32.0	25.3		ug/L		79	45 - 120	6	29
Nitrobenzene	ND		32.0	27.1		ug/L		85	45 - 123	5	24
Pentachlorophenol	ND		64.0	55.3		ug/L		86	23 - 149	13	37
Phenanthrene	ND		32.0	26.9		ug/L		84	65 - 122	10	15
Phenol	ND		32.0	17.5		ug/L		55	16 - 120	3	34
Pyrene	ND		32.0	26.8		ug/L		84	58 - 128	3	19

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2,4,6-Tribromophenol	98		41 - 120
2-Fluorobiphenyl	94		48 - 120
2-Fluorophenol	69		35 - 120
Nitrobenzene-d5	91		46 - 120
p-Terphenyl-d14	72		60 - 148
Phenol-d5	57		22 - 120

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-177100-1

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 480-556034/1-A

Matrix: Water

Analysis Batch: 556117

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 556034

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.050	0.0092	ug/L		10/27/20 15:20	10/28/20 10:07	1
4,4'-DDE	ND		0.050	0.012	ug/L		10/27/20 15:20	10/28/20 10:07	1
4,4'-DDT	ND		0.050	0.011	ug/L		10/27/20 15:20	10/28/20 10:07	1
Aldrin	ND		0.050	0.0081	ug/L		10/27/20 15:20	10/28/20 10:07	1
alpha-BHC	ND		0.050	0.0077	ug/L		10/27/20 15:20	10/28/20 10:07	1
cis-Chlordane	ND		0.050	0.015	ug/L		10/27/20 15:20	10/28/20 10:07	1
beta-BHC	ND		0.050	0.025	ug/L		10/27/20 15:20	10/28/20 10:07	1
delta-BHC	ND		0.050	0.010	ug/L		10/27/20 15:20	10/28/20 10:07	1
Dieldrin	ND		0.050	0.0098	ug/L		10/27/20 15:20	10/28/20 10:07	1
Endosulfan I	ND		0.050	0.011	ug/L		10/27/20 15:20	10/28/20 10:07	1
Endosulfan II	ND		0.050	0.012	ug/L		10/27/20 15:20	10/28/20 10:07	1
Endosulfan sulfate	ND		0.050	0.016	ug/L		10/27/20 15:20	10/28/20 10:07	1
Endrin	ND		0.050	0.014	ug/L		10/27/20 15:20	10/28/20 10:07	1
Endrin aldehyde	ND		0.050	0.016	ug/L		10/27/20 15:20	10/28/20 10:07	1
Endrin ketone	ND		0.050	0.012	ug/L		10/27/20 15:20	10/28/20 10:07	1
gamma-BHC (Lindane)	ND		0.050	0.0080	ug/L		10/27/20 15:20	10/28/20 10:07	1
trans-Chlordane	ND		0.050	0.011	ug/L		10/27/20 15:20	10/28/20 10:07	1
Heptachlor	ND		0.050	0.0085	ug/L		10/27/20 15:20	10/28/20 10:07	1
Heptachlor epoxide	ND		0.050	0.0074	ug/L		10/27/20 15:20	10/28/20 10:07	1
Methoxychlor	ND		0.050	0.014	ug/L		10/27/20 15:20	10/28/20 10:07	1
Toxaphene	ND		0.50	0.12	ug/L		10/27/20 15:20	10/28/20 10:07	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	61		20 - 120	10/27/20 15:20	10/28/20 10:07	1
Tetrachloro-m-xylene	75		44 - 120	10/27/20 15:20	10/28/20 10:07	1

Lab Sample ID: LCS 480-556034/2-A

Matrix: Water

Analysis Batch: 556117

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 556034

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
4,4'-DDD	0.400	0.396		ug/L		99	64 - 129
4,4'-DDE	0.400	0.354		ug/L		89	50 - 120
4,4'-DDT	0.400	0.348		ug/L		87	59 - 120
Aldrin	0.400	0.286		ug/L		72	40 - 125
alpha-BHC	0.400	0.310		ug/L		78	52 - 125
cis-Chlordane	0.400	0.359		ug/L		90	52 - 120
beta-BHC	0.400	0.357		ug/L		89	51 - 120
delta-BHC	0.400	0.362		ug/L		90	51 - 120
Dieldrin	0.400	0.395		ug/L		99	66 - 128
Endosulfan I	0.400	0.387		ug/L		97	57 - 120
Endosulfan II	0.400	0.401		ug/L		100	66 - 131
Endosulfan sulfate	0.400	0.438		ug/L		109	66 - 136
Endrin	0.400	0.383		ug/L		96	65 - 135
Endrin aldehyde	0.400	0.382		ug/L		95	61 - 134
Endrin ketone	0.400	0.391		ug/L		98	71 - 133
gamma-BHC (Lindane)	0.400	0.334		ug/L		84	56 - 120
trans-Chlordane	0.400	0.353		ug/L		88	54 - 120

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-177100-1

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

Lab Sample ID: LCS 480-556034/2-A

Matrix: Water

Analysis Batch: 556117

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 556034

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Heptachlor	0.400	0.328		ug/L		82	58 - 120
Heptachlor epoxide	0.400	0.375		ug/L		94	65 - 125
Methoxychlor	0.400	0.362		ug/L		90	50 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	53		20 - 120
Tetrachloro-m-xylene	68		44 - 120

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

Lab Sample ID: MB 480-556099/1-A

Matrix: Water

Analysis Batch: 556507

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 556099

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		10/28/20 07:22	10/29/20 22:39	1
PCB-1221	ND		0.50	0.18	ug/L		10/28/20 07:22	10/29/20 22:39	1
PCB-1232	ND		0.50	0.18	ug/L		10/28/20 07:22	10/29/20 22:39	1
PCB-1242	ND		0.50	0.18	ug/L		10/28/20 07:22	10/29/20 22:39	1
PCB-1248	ND		0.50	0.18	ug/L		10/28/20 07:22	10/29/20 22:39	1
PCB-1254	ND		0.50	0.25	ug/L		10/28/20 07:22	10/29/20 22:39	1
PCB-1260	ND		0.50	0.25	ug/L		10/28/20 07:22	10/29/20 22:39	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	78		19 - 120	10/28/20 07:22	10/29/20 22:39	1
Tetrachloro-m-xylene	105		39 - 121	10/28/20 07:22	10/29/20 22:39	1

Lab Sample ID: LCS 480-556099/2-A

Matrix: Water

Analysis Batch: 556507

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 556099

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	4.00	4.43		ug/L		111	62 - 130
PCB-1260	4.00	4.36		ug/L		109	56 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	59		19 - 120
Tetrachloro-m-xylene	102		39 - 121

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-556371/1-A

Matrix: Water

Analysis Batch: 556626

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 556371

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		10/29/20 09:07	10/29/20 18:00	1
Antimony	ND		0.020	0.0068	mg/L		10/29/20 09:07	10/29/20 18:00	1

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QC Sample Results

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

Job ID: 480-177100-1

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

Lab Sample ID: MB 480-556371/1-A

Matrix: Water

Analysis Batch: 556626

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 556371

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.010	0.0056	mg/L		10/29/20 09:07	10/29/20 18:00	1
Barium	ND	^	0.0020	0.00070	mg/L		10/29/20 09:07	10/29/20 18:00	1
Beryllium	ND		0.0020	0.00030	mg/L		10/29/20 09:07	10/29/20 18:00	1
Cadmium	ND		0.0010	0.00050	mg/L		10/29/20 09:07	10/29/20 18:00	1
Calcium	ND		0.50	0.10	mg/L		10/29/20 09:07	10/29/20 18:00	1
Chromium	ND		0.0040	0.0010	mg/L		10/29/20 09:07	10/29/20 18:00	1
Cobalt	ND		0.0040	0.00063	mg/L		10/29/20 09:07	10/29/20 18:00	1
Copper	ND		0.010	0.0016	mg/L		10/29/20 09:07	10/29/20 18:00	1
Iron	ND		0.050	0.019	mg/L		10/29/20 09:07	10/29/20 18:00	1
Lead	ND		0.0050	0.0030	mg/L		10/29/20 09:07	10/29/20 18:00	1
Magnesium	ND		0.20	0.043	mg/L		10/29/20 09:07	10/29/20 18:00	1
Manganese	ND		0.0030	0.00040	mg/L		10/29/20 09:07	10/29/20 18:00	1
Nickel	ND		0.010	0.0013	mg/L		10/29/20 09:07	10/29/20 18:00	1
Potassium	ND		0.50	0.10	mg/L		10/29/20 09:07	10/29/20 18:00	1
Selenium	ND		0.015	0.0087	mg/L		10/29/20 09:07	10/29/20 18:00	1
Silver	ND		0.0030	0.0017	mg/L		10/29/20 09:07	10/29/20 18:00	1
Sodium	ND		1.0	0.32	mg/L		10/29/20 09:07	10/29/20 18:00	1
Thallium	ND		0.020	0.010	mg/L		10/29/20 09:07	10/29/20 18:00	1
Vanadium	ND		0.0050	0.0015	mg/L		10/29/20 09:07	10/29/20 18:00	1
Zinc	ND		0.010	0.0015	mg/L		10/29/20 09:07	10/29/20 18:00	1

Lab Sample ID: LCS 480-556371/2-A

Matrix: Water

Analysis Batch: 556626

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 556371

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	10.0	9.63		mg/L		96	80 - 120
Antimony	0.200	0.194		mg/L		97	80 - 120
Arsenic	0.200	0.201		mg/L		100	80 - 120
Barium	0.200	0.200	^	mg/L		100	80 - 120
Beryllium	0.200	0.207		mg/L		104	80 - 120
Cadmium	0.200	0.194		mg/L		97	80 - 120
Calcium	10.0	9.75		mg/L		98	80 - 120
Chromium	0.200	0.189		mg/L		94	80 - 120
Cobalt	0.200	0.187		mg/L		93	80 - 120
Copper	0.200	0.200		mg/L		100	80 - 120
Iron	10.0	9.19		mg/L		92	80 - 120
Lead	0.200	0.197		mg/L		99	80 - 120
Magnesium	10.0	8.98		mg/L		90	80 - 120
Manganese	0.200	0.191		mg/L		95	80 - 120
Nickel	0.200	0.194		mg/L		97	80 - 120
Potassium	10.0	9.76		mg/L		98	80 - 120
Selenium	0.200	0.194		mg/L		97	80 - 120
Silver	0.0500	0.0455		mg/L		91	80 - 120
Sodium	10.0	9.77		mg/L		98	80 - 120
Thallium	0.200	0.197		mg/L		99	80 - 120
Vanadium	0.200	0.194		mg/L		97	80 - 120
Zinc	0.200	0.190		mg/L		95	80 - 120

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-177100-1

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

Lab Sample ID: LCSD 480-556371/23-A

Matrix: Water

Analysis Batch: 556626

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 556371

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aluminum	10.0	9.69		mg/L		97	80 - 120	1	20
Antimony	0.200	0.197		mg/L		98	80 - 120	2	20
Arsenic	0.200	0.200		mg/L		100	80 - 120	0	20
Barium	0.200	0.204	^	mg/L		102	80 - 120	2	20
Beryllium	0.200	0.206		mg/L		103	80 - 120	1	20
Cadmium	0.200	0.199		mg/L		99	80 - 120	3	20
Calcium	10.0	9.87		mg/L		99	80 - 120	1	20
Chromium	0.200	0.191		mg/L		96	80 - 120	1	20
Cobalt	0.200	0.190		mg/L		95	80 - 120	2	20
Copper	0.200	0.201		mg/L		100	80 - 120	1	20
Iron	10.0	9.19		mg/L		92	80 - 120	0	20
Lead	0.200	0.198		mg/L		99	80 - 120	0	20
Magnesium	10.0	9.13		mg/L		91	80 - 120	2	20
Manganese	0.200	0.191		mg/L		96	80 - 120	0	20
Nickel	0.200	0.193		mg/L		97	80 - 120	0	20
Potassium	10.0	9.77		mg/L		98	80 - 120	0	20
Selenium	0.200	0.200		mg/L		100	80 - 120	3	20
Silver	0.0500	0.0462		mg/L		92	80 - 120	2	20
Sodium	10.0	9.67		mg/L		97	80 - 120	1	20
Thallium	0.200	0.196		mg/L		98	80 - 120	1	20
Vanadium	0.200	0.196		mg/L		98	80 - 120	1	20
Zinc	0.200	0.194		mg/L		97	80 - 120	2	20

Method: 7470A_ASP - Mercury (CVAA)

Lab Sample ID: MB 480-556250/1-A

Matrix: Water

Analysis Batch: 556320

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 556250

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		10/28/20 14:15	10/28/20 18:15	1

Lab Sample ID: LCS 480-556250/2-A

Matrix: Water

Analysis Batch: 556320

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 556250

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00667	0.00620		mg/L		93	80 - 120

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

Lab Sample ID: MB 480-557244/1-A

Matrix: Water

Analysis Batch: 557428

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 557244

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		11/03/20 18:38	11/04/20 14:35	1

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-177100-1

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

Lab Sample ID: LCS 480-557244/2-A

Matrix: Water

Analysis Batch: 557428

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 557244

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.250	0.239		mg/L		96	90 - 110

Lab Sample ID: 480-177100-5 MS

Matrix: Water

Analysis Batch: 557428

Client Sample ID: S-2

Prep Type: Total/NA

Prep Batch: 557244

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.023	F1	0.100	0.102	F1	mg/L		79	90 - 110

Lab Sample ID: MB 480-557264/1-A

Matrix: Water

Analysis Batch: 557467

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 557264

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		11/03/20 21:18	11/04/20 15:28	1

Lab Sample ID: LCS 480-557264/2-A

Matrix: Water

Analysis Batch: 557467

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 557264

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.250	0.236		mg/L		94	90 - 110

Lab Sample ID: 480-177100-7 MS

Matrix: Water

Analysis Batch: 557467

Client Sample ID: S-4

Prep Type: Total/NA

Prep Batch: 557264

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.022	F1	0.100	0.103	F1	mg/L		81	90 - 110

Lab Sample ID: 480-177100-6 DU

Matrix: Water

Analysis Batch: 557467

Client Sample ID: S-3

Prep Type: Total/NA

Prep Batch: 557264

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cyanide, Total	0.044		0.0463		mg/L		6	15

QC Association Summary

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

Job ID: 480-177100-1

GC/MS VOA

Analysis Batch: 555789

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-177100-1	MW-4	Total/NA	Water	8260C	
480-177100-2	MW-5	Total/NA	Water	8260C	
480-177100-3	MW-6	Total/NA	Water	8260C	
480-177100-4	S-1	Total/NA	Water	8260C	
480-177100-5	S-2	Total/NA	Water	8260C	
480-177100-6	S-3	Total/NA	Water	8260C	
480-177100-7	S-4	Total/NA	Water	8260C	
480-177100-8	DUP	Total/NA	Water	8260C	
480-177100-9	RW-4	Total/NA	Water	8260C	
480-177100-10	RW-5	Total/NA	Water	8260C	
MB 480-555789/7	Method Blank	Total/NA	Water	8260C	
LCS 480-555789/5	Lab Control Sample	Total/NA	Water	8260C	
480-177100-3 MS	MW-6	Total/NA	Water	8260C	
480-177100-3 MSD	MW-6	Total/NA	Water	8260C	

GC/MS Semi VOA

Prep Batch: 556151

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-177100-1	MW-4	Total/NA	Water	3510C	
480-177100-2	MW-5	Total/NA	Water	3510C	
480-177100-3	MW-6	Total/NA	Water	3510C	
480-177100-4	S-1	Total/NA	Water	3510C	
480-177100-5	S-2	Total/NA	Water	3510C	
480-177100-6	S-3	Total/NA	Water	3510C	
480-177100-7	S-4	Total/NA	Water	3510C	
480-177100-8	DUP	Total/NA	Water	3510C	
480-177100-9	RW-4	Total/NA	Water	3510C	
480-177100-10	RW-5	Total/NA	Water	3510C	
MB 480-556151/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-556151/2-A	Lab Control Sample	Total/NA	Water	3510C	
480-177100-3 MS	MW-6	Total/NA	Water	3510C	
480-177100-3 MSD	MW-6	Total/NA	Water	3510C	

Analysis Batch: 556960

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-177100-1	MW-4	Total/NA	Water	8270D	556151
480-177100-2	MW-5	Total/NA	Water	8270D	556151
480-177100-3	MW-6	Total/NA	Water	8270D	556151
480-177100-4	S-1	Total/NA	Water	8270D	556151
480-177100-5	S-2	Total/NA	Water	8270D	556151
480-177100-6	S-3	Total/NA	Water	8270D	556151
480-177100-7	S-4	Total/NA	Water	8270D	556151
480-177100-8	DUP	Total/NA	Water	8270D	556151
480-177100-9	RW-4	Total/NA	Water	8270D	556151
480-177100-10	RW-5	Total/NA	Water	8270D	556151
MB 480-556151/1-A	Method Blank	Total/NA	Water	8270D	556151
LCS 480-556151/2-A	Lab Control Sample	Total/NA	Water	8270D	556151
480-177100-3 MS	MW-6	Total/NA	Water	8270D	556151
480-177100-3 MSD	MW-6	Total/NA	Water	8270D	556151

QC Association Summary

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

Job ID: 480-177100-1

GC Semi VOA

Prep Batch: 556034

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-177100-4	S-1	Total/NA	Water	3510C	
480-177100-5	S-2	Total/NA	Water	3510C	
480-177100-6	S-3	Total/NA	Water	3510C	
480-177100-7	S-4	Total/NA	Water	3510C	
480-177100-8	DUP	Total/NA	Water	3510C	
MB 480-556034/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-556034/2-A	Lab Control Sample	Total/NA	Water	3510C	

Prep Batch: 556099

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-177100-4	S-1	Total/NA	Water	3510C	
480-177100-5	S-2	Total/NA	Water	3510C	
480-177100-6	S-3	Total/NA	Water	3510C	
480-177100-7	S-4	Total/NA	Water	3510C	
480-177100-8	DUP	Total/NA	Water	3510C	
MB 480-556099/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-556099/2-A	Lab Control Sample	Total/NA	Water	3510C	

Analysis Batch: 556117

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-177100-4	S-1	Total/NA	Water	8081B	556034
480-177100-5	S-2	Total/NA	Water	8081B	556034
480-177100-6	S-3	Total/NA	Water	8081B	556034
480-177100-7	S-4	Total/NA	Water	8081B	556034
480-177100-8	DUP	Total/NA	Water	8081B	556034
MB 480-556034/1-A	Method Blank	Total/NA	Water	8081B	556034
LCS 480-556034/2-A	Lab Control Sample	Total/NA	Water	8081B	556034

Analysis Batch: 556507

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-177100-4	S-1	Total/NA	Water	8082A	556099
480-177100-5	S-2	Total/NA	Water	8082A	556099
480-177100-6	S-3	Total/NA	Water	8082A	556099
480-177100-7	S-4	Total/NA	Water	8082A	556099
480-177100-8	DUP	Total/NA	Water	8082A	556099
MB 480-556099/1-A	Method Blank	Total/NA	Water	8082A	556099
LCS 480-556099/2-A	Lab Control Sample	Total/NA	Water	8082A	556099

Metals

Prep Batch: 556250

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-177100-4	S-1	Total/NA	Water	7470A	
480-177100-5	S-2	Total/NA	Water	7470A	
480-177100-6	S-3	Total/NA	Water	7470A	
480-177100-7	S-4	Total/NA	Water	7470A	
480-177100-8	DUP	Total/NA	Water	7470A	
MB 480-556250/1-A	Method Blank	Total/NA	Water	7470A	
LCS 480-556250/2-A	Lab Control Sample	Total/NA	Water	7470A	

Eurofins TestAmerica, Buffalo

QC Association Summary

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

Job ID: 480-177100-1

Metals

Analysis Batch: 556320

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-177100-4	S-1	Total/NA	Water	7470A_ASP	556250
480-177100-5	S-2	Total/NA	Water	7470A_ASP	556250
480-177100-6	S-3	Total/NA	Water	7470A_ASP	556250
480-177100-7	S-4	Total/NA	Water	7470A_ASP	556250
480-177100-8	DUP	Total/NA	Water	7470A_ASP	556250
MB 480-556250/1-A	Method Blank	Total/NA	Water	7470A_ASP	556250
LCS 480-556250/2-A	Lab Control Sample	Total/NA	Water	7470A_ASP	556250

Prep Batch: 556371

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-177100-4	S-1	Total/NA	Water	3005A	
480-177100-5	S-2	Total/NA	Water	3005A	
480-177100-6	S-3	Total/NA	Water	3005A	
480-177100-7	S-4	Total/NA	Water	3005A	
480-177100-8	DUP	Total/NA	Water	3005A	
MB 480-556371/1-A	Method Blank	Total/NA	Water	3005A	
LCS 480-556371/2-A	Lab Control Sample	Total/NA	Water	3005A	
LCSD 480-556371/23-A	Lab Control Sample Dup	Total/NA	Water	3005A	

Analysis Batch: 556626

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-177100-4	S-1	Total/NA	Water	6010C	556371
480-177100-5	S-2	Total/NA	Water	6010C	556371
480-177100-6	S-3	Total/NA	Water	6010C	556371
480-177100-7	S-4	Total/NA	Water	6010C	556371
480-177100-8	DUP	Total/NA	Water	6010C	556371
MB 480-556371/1-A	Method Blank	Total/NA	Water	6010C	556371
LCS 480-556371/2-A	Lab Control Sample	Total/NA	Water	6010C	556371
LCSD 480-556371/23-A	Lab Control Sample Dup	Total/NA	Water	6010C	556371

General Chemistry

Prep Batch: 557244

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-177100-4	S-1	Total/NA	Water	9012B	
480-177100-5	S-2	Total/NA	Water	9012B	
MB 480-557244/1-A	Method Blank	Total/NA	Water	9012B	
LCS 480-557244/2-A	Lab Control Sample	Total/NA	Water	9012B	
480-177100-5 MS	S-2	Total/NA	Water	9012B	

Prep Batch: 557264

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-177100-6	S-3	Total/NA	Water	9012B	
480-177100-7	S-4	Total/NA	Water	9012B	
480-177100-8	DUP	Total/NA	Water	9012B	
MB 480-557264/1-A	Method Blank	Total/NA	Water	9012B	
LCS 480-557264/2-A	Lab Control Sample	Total/NA	Water	9012B	
480-177100-7 MS	S-4	Total/NA	Water	9012B	
480-177100-6 DU	S-3	Total/NA	Water	9012B	

Eurofins TestAmerica, Buffalo

QC Association Summary

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

Job ID: 480-177100-1

General Chemistry

Analysis Batch: 557428

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-177100-4	S-1	Total/NA	Water	9012B	557244
480-177100-5	S-2	Total/NA	Water	9012B	557244
MB 480-557244/1-A	Method Blank	Total/NA	Water	9012B	557244
LCS 480-557244/2-A	Lab Control Sample	Total/NA	Water	9012B	557244
480-177100-5 MS	S-2	Total/NA	Water	9012B	557244

Analysis Batch: 557467

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-177100-6	S-3	Total/NA	Water	9012B	557264
480-177100-7	S-4	Total/NA	Water	9012B	557264
480-177100-8	DUP	Total/NA	Water	9012B	557264
MB 480-557264/1-A	Method Blank	Total/NA	Water	9012B	557264
LCS 480-557264/2-A	Lab Control Sample	Total/NA	Water	9012B	557264
480-177100-7 MS	S-4	Total/NA	Water	9012B	557264
480-177100-6 DU	S-3	Total/NA	Water	9012B	557264

Lab Chronicle

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

Job ID: 480-177100-1

Client Sample ID: MW-4

Date Collected: 10/22/20 12:45

Date Received: 10/23/20 11:45

Lab Sample ID: 480-177100-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	555789	10/26/20 18:12	CRL	TAL BUF
Total/NA	Prep	3510C			556151	10/28/20 08:42	JMP	TAL BUF
Total/NA	Analysis	8270D		1	556960	11/03/20 00:33	JMM	TAL BUF

Client Sample ID: MW-5

Date Collected: 10/22/20 13:15

Date Received: 10/23/20 11:45

Lab Sample ID: 480-177100-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	555789	10/26/20 18:36	CRL	TAL BUF
Total/NA	Prep	3510C			556151	10/28/20 08:42	JMP	TAL BUF
Total/NA	Analysis	8270D		1	556960	11/03/20 01:00	JMM	TAL BUF

Client Sample ID: MW-6

Date Collected: 10/22/20 14:30

Date Received: 10/23/20 11:45

Lab Sample ID: 480-177100-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	555789	10/26/20 19:00	CRL	TAL BUF
Total/NA	Prep	3510C			556151	10/28/20 08:42	JMP	TAL BUF
Total/NA	Analysis	8270D		1	556960	11/03/20 00:05	JMM	TAL BUF

Client Sample ID: S-1

Date Collected: 10/22/20 11:00

Date Received: 10/23/20 11:45

Lab Sample ID: 480-177100-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	555789	10/26/20 19:25	CRL	TAL BUF
Total/NA	Prep	3510C			556151	10/28/20 08:42	JMP	TAL BUF
Total/NA	Analysis	8270D		1	556960	11/03/20 01:28	JMM	TAL BUF
Total/NA	Prep	3510C			556034	10/27/20 15:20	ATG	TAL BUF
Total/NA	Analysis	8081B		1	556117	10/28/20 12:23	JLS	TAL BUF
Total/NA	Prep	3510C			556099	10/28/20 07:22	SMP	TAL BUF
Total/NA	Analysis	8082A		1	556507	10/29/20 23:58	DSC	TAL BUF
Total/NA	Prep	3005A			556371	10/29/20 09:07	KMP	TAL BUF
Total/NA	Analysis	6010C		1	556626	10/29/20 19:34	LMH	TAL BUF
Total/NA	Prep	7470A			556250	10/28/20 14:15	BMB	TAL BUF
Total/NA	Analysis	7470A_ASP		1	556320	10/28/20 18:46	BMB	TAL BUF
Total/NA	Prep	9012B			557244	11/03/20 18:38	ALT	TAL BUF
Total/NA	Analysis	9012B		1	557428	11/04/20 15:06	CRK	TAL BUF

Lab Chronicle

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

Job ID: 480-177100-1

Client Sample ID: S-2

Lab Sample ID: 480-177100-5

Date Collected: 10/22/20 12:15

Matrix: Water

Date Received: 10/23/20 11:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	555789	10/26/20 19:50	CRL	TAL BUF
Total/NA	Prep	3510C			556151	10/28/20 08:42	JMP	TAL BUF
Total/NA	Analysis	8270D		1	556960	11/03/20 01:55	JMM	TAL BUF
Total/NA	Prep	3510C			556034	10/27/20 15:20	ATG	TAL BUF
Total/NA	Analysis	8081B		1	556117	10/28/20 12:43	JLS	TAL BUF
Total/NA	Prep	3510C			556099	10/28/20 07:22	SMP	TAL BUF
Total/NA	Analysis	8082A		1	556507	10/30/20 00:46	DSC	TAL BUF
Total/NA	Prep	3005A			556371	10/29/20 09:07	KMP	TAL BUF
Total/NA	Analysis	6010C		1	556626	10/29/20 19:38	LMH	TAL BUF
Total/NA	Prep	7470A			556250	10/28/20 14:15	BMB	TAL BUF
Total/NA	Analysis	7470A_ASP		1	556320	10/28/20 18:48	BMB	TAL BUF
Total/NA	Prep	9012B			557244	11/03/20 18:38	ALT	TAL BUF
Total/NA	Analysis	9012B		1	557428	11/04/20 15:10	CRK	TAL BUF

Client Sample ID: S-3

Lab Sample ID: 480-177100-6

Date Collected: 10/22/20 13:45

Matrix: Water

Date Received: 10/23/20 11:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	555789	10/26/20 20:14	CRL	TAL BUF
Total/NA	Prep	3510C			556151	10/28/20 08:42	JMP	TAL BUF
Total/NA	Analysis	8270D		5	556960	11/03/20 02:22	JMM	TAL BUF
Total/NA	Prep	3510C			556034	10/27/20 15:20	ATG	TAL BUF
Total/NA	Analysis	8081B		1	556117	10/28/20 13:03	JLS	TAL BUF
Total/NA	Prep	3510C			556099	10/28/20 07:22	SMP	TAL BUF
Total/NA	Analysis	8082A		1	556507	10/30/20 01:02	DSC	TAL BUF
Total/NA	Prep	3005A			556371	10/29/20 09:07	KMP	TAL BUF
Total/NA	Analysis	6010C		1	556626	10/29/20 19:42	LMH	TAL BUF
Total/NA	Prep	7470A			556250	10/28/20 14:15	BMB	TAL BUF
Total/NA	Analysis	7470A_ASP		1	556320	10/28/20 18:49	BMB	TAL BUF
Total/NA	Prep	9012B			557264	11/03/20 21:18	ALT	TAL BUF
Total/NA	Analysis	9012B		1	557467	11/04/20 15:32	CRK	TAL BUF

Client Sample ID: S-4

Lab Sample ID: 480-177100-7

Date Collected: 10/22/20 10:30

Matrix: Water

Date Received: 10/23/20 11:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	555789	10/26/20 20:39	CRL	TAL BUF
Total/NA	Prep	3510C			556151	10/28/20 08:42	JMP	TAL BUF
Total/NA	Analysis	8270D		5	556960	11/03/20 02:50	JMM	TAL BUF
Total/NA	Prep	3510C			556034	10/27/20 15:20	ATG	TAL BUF
Total/NA	Analysis	8081B		1	556117	10/28/20 13:22	JLS	TAL BUF
Total/NA	Prep	3510C			556099	10/28/20 07:22	SMP	TAL BUF
Total/NA	Analysis	8082A		1	556507	10/30/20 01:18	DSC	TAL BUF

Eurofins TestAmerica, Buffalo

Lab Chronicle

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

Job ID: 480-177100-1

Client Sample ID: S-4

Lab Sample ID: 480-177100-7

Date Collected: 10/22/20 10:30

Matrix: Water

Date Received: 10/23/20 11:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3005A			556371	10/29/20 09:07	KMP	TAL BUF
Total/NA	Analysis	6010C		1	556626	10/29/20 19:45	LMH	TAL BUF
Total/NA	Prep	7470A			556250	10/28/20 14:15	BMB	TAL BUF
Total/NA	Analysis	7470A_ASP		1	556320	10/28/20 18:50	BMB	TAL BUF
Total/NA	Prep	9012B			557264	11/03/20 21:18	ALT	TAL BUF
Total/NA	Analysis	9012B		1	557467	11/04/20 15:35	CRK	TAL BUF

Client Sample ID: DUP

Lab Sample ID: 480-177100-8

Date Collected: 10/22/20 13:45

Matrix: Water

Date Received: 10/23/20 11:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	555789	10/26/20 21:03	CRL	TAL BUF
Total/NA	Prep	3510C			556151	10/28/20 08:42	JMP	TAL BUF
Total/NA	Analysis	8270D		1	556960	11/03/20 03:17	JMM	TAL BUF
Total/NA	Prep	3510C			556034	10/27/20 15:20	ATG	TAL BUF
Total/NA	Analysis	8081B		1	556117	10/28/20 13:41	JLS	TAL BUF
Total/NA	Prep	3510C			556099	10/28/20 07:22	SMP	TAL BUF
Total/NA	Analysis	8082A		1	556507	10/30/20 01:34	DSC	TAL BUF
Total/NA	Prep	3005A			556371	10/29/20 09:07	KMP	TAL BUF
Total/NA	Analysis	6010C		1	556626	10/29/20 19:49	LMH	TAL BUF
Total/NA	Prep	7470A			556250	10/28/20 14:15	BMB	TAL BUF
Total/NA	Analysis	7470A_ASP		1	556320	10/28/20 18:51	BMB	TAL BUF
Total/NA	Prep	9012B			557264	11/03/20 21:18	ALT	TAL BUF
Total/NA	Analysis	9012B		1	557467	11/04/20 15:38	CRK	TAL BUF

Client Sample ID: RW-4

Lab Sample ID: 480-177100-9

Date Collected: 10/23/20 08:45

Matrix: Water

Date Received: 10/23/20 11:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	555789	10/26/20 21:27	CRL	TAL BUF
Total/NA	Prep	3510C			556151	10/28/20 08:42	JMP	TAL BUF
Total/NA	Analysis	8270D		1	556960	11/03/20 03:44	JMM	TAL BUF

Client Sample ID: RW-5

Lab Sample ID: 480-177100-10

Date Collected: 10/23/20 10:00

Matrix: Water

Date Received: 10/23/20 11:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	555789	10/26/20 21:52	CRL	TAL BUF
Total/NA	Prep	3510C			556151	10/28/20 08:42	JMP	TAL BUF
Total/NA	Analysis	8270D		1	556960	11/03/20 04:12	JMM	TAL BUF

Eurofins TestAmerica, Buffalo

Lab Chronicle

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

Job ID: 480-177100-1

Laboratory References:

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

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Accreditation/Certification Summary

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

Job ID: 480-177100-1

Laboratory: Eurofins TestAmerica, Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-01-21

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

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

Job ID: 480-177100-1

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
3005A	Preparation, Total Metals	SW846	TAL BUF
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF
7470A	Preparation, Mercury	SW846	TAL BUF
9012B	Cyanide, Total and/or Amenable, Distillation	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 = Eurofins 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

Job ID: 480-177100-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-177100-1	MW-4	Water	10/22/20 12:45	10/23/20 11:45	
480-177100-2	MW-5	Water	10/22/20 13:15	10/23/20 11:45	
480-177100-3	MW-6	Water	10/22/20 14:30	10/23/20 11:45	
480-177100-4	S-1	Water	10/22/20 11:00	10/23/20 11:45	
480-177100-5	S-2	Water	10/22/20 12:15	10/23/20 11:45	
480-177100-6	S-3	Water	10/22/20 13:45	10/23/20 11:45	
480-177100-7	S-4	Water	10/22/20 10:30	10/23/20 11:45	
480-177100-8	DUP	Water	10/22/20 13:45	10/23/20 11:45	
480-177100-9	RW-4	Water	10/23/20 08:45	10/23/20 11:45	
480-177100-10	RW-5	Water	10/23/20 10:00	10/23/20 11:45	

Quantitation Limit Exceptions Summary

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

Job ID: 480-177100-1

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	Analyte	Matrix	Prep Type	Unit	Client RL	Lab PQL
6010C	Arsenic	Water	Total/NA	mg/L	0.010	0.015
6010C	Cadmium	Water	Total/NA	mg/L	0.0010	0.002
6010C	Lead	Water	Total/NA	mg/L	0.0050	0.01
6010C	Selenium	Water	Total/NA	mg/L	0.015	0.025
6010C	Silver	Water	Total/NA	mg/L	0.0030	0.006



CHAIN OF CUSTODY



480-177100 Chain of Custody

Login Sample Receipt Checklist

Client: Groundwater & Environmental Services Inc

Job Number: 480-177100-1

Login Number: 177100

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Sabuda, Brendan D

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	4.2 3.2 #1 ICE
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	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	



Appendix B-1 Historical Water Level Data



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-1**	577.85	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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-2**	579.11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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-3**	571.45	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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-4	583.83	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-4**	584.20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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-5**	584.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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-6**	586.36	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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
MW-7**	586.96	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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-1**	574.10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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-2**	584.51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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-3**	576.91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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-4**	572.81	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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-5**	584.52	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-6**	572.78	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-7**	575.46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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-8**	571.97	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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
OW-9**	588.96	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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-1**	572.48	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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-2**	572.42	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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-3**	572.56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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
S-4**	572.19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RW-1	581.82	16.25	16.32	22.20	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	21.28
RW-2	581.82	15.91	15.99	22.18	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	21.37	21.55
RW-3	582.30	16.37	16.48	16.66	NM	NM	NM	NM	NM	NM	NM	10.30	22.63	22.70	19.77	21.96	22.29	22.68	22.10	22.12	22.24	22.65
RW-4	581.83	15.95	16.09	22.25	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	21.95	21.81
RW-4**	583.85	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RW-5	582.05	NM	16.37	22.40	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	18.37	22.02
RW-5**	584.13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RW-6	570.76	4.89	5.05	11.02	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	8.05	10.42
RW-7	570.67	4.78	4.93	11.05	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	5.26	10.05
RW-8	583.83	17.92	18.07	23.14	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	18.40	18.45
RW-9	583.86	17.88	18.00	24.10	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	18.24	18.50
RW-10	583.28	17.09	17.21	23.55	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	17.55	23.36
RW-11	581.22	15.10	15.18	20.28	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	17.84	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
SG***	567.57	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.

** MW-4 Elevation change on March 14, 2019, all site wells re-surveyed on June 7, 2019

*** Staff Gauge re-surveyed on October 29, 2020

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-1**	577.85	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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-2**	579.11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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-3**	571.45	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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-4	583.83	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-4**	584.20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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-5**	584.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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-6**	586.36	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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
MW-7**	586.96	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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-1**	574.10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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-2**	584.51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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-3**	576.91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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-4**	572.81	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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-5**	584.52	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-6**	572.78	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-7**	575.46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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-8**	571.97	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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
OW-9**	588.96	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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-1**	572.48	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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-2**	572.42	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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-3**	572.56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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
S-4**	572.19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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-4**	583.85	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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-5**	584.13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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
SG**	567.57	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.

** MW-4 Elevation change on March 14, 2019, all site wells re-surveyed on June 7, 2019

*** Staff Gauge re-surveyed on October 29, 2020

DTW = depth to water

FEET = feet BTOC

BTOC = below top of casing



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-1**	577.85	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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-2**	579.11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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-3**	571.45	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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-4	583.83	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-4**	584.20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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-5**	584.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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-6**	586.36	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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
MW-7**	586.96	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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-1**	574.10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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-2**	584.51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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-3**	576.91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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-4**	572.81	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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-5**	584.52	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-6**	572.78	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-7**	575.46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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-8**	571.97	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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
OW-9**	588.96	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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-1**	572.48	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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-2**	572.42	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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-3**	572.56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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
S-4**	572.19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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-4**	583.85	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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-5**	584.13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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
SG***	567.57	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.

** MW-4 Elevation change on March 14, 2019, all site wells re-surveyed on June 7, 2019

*** Staff Gauge re-surveyed on October 29, 2020

DTW = depth to water

FE



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-1**	577.85	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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-2**	579.11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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-3**	571.45	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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-4	583.83	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-4**	584.20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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-5**	584.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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-6**	586.36	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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
MW-7**	586.96	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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-1**	574.10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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-2**	584.51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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-3**	576.91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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-4**	572.81	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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-5**	584.52	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-6**	572.78	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-7**	575.46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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-8**	571.97	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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
OW-9**	588.96	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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-1**	572.48	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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-2**	572.42	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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-3**	572.56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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
S-4**	572.19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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-4**	583.85	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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-5**	584.13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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
SG***	567.57	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.

** MW-4 Elevation change on March 14, 2019, all site wells re-surveyed on June 7, 2019

*** Staff Gauge re-surveyed on October 29, 2020

DTW = depth to water

FEET = feet BTOC

BTOC = below top of casing



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-1**	577.85	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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-2**	579.11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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-3**	571.45	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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-4	583.83	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-4**	584.20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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-5**	584.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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-6**	586.36	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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
MW-7**	586.96	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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-1**	574.10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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-2**	584.51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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-3**	576.91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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-4**	572.81	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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-5**	584.52	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-6**	572.78	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-7**	575.46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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-8**	571.97	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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
OW-9**	588.96	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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-1**	572.48	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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-2**	572.42	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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-3**	572.56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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
S-4**	572.19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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-4**	583.85	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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-5**	584.13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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
SG***	567.57	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.

** MW-4 Elevation change on March 14, 2019, all site wells re-surveyed on June 7, 2019

*** Staff Gauge re-surveyed on October 29, 2020

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-1**	577.85	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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-2**	579.11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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-3**	571.45	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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-4	583.83	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-4**	584.20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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-5**	584.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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-6**	586.36	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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
MW-7**	586.96	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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-1**	574.10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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-2**	584.51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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-3**	576.91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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-4**	572.81	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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-5**	584.52	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	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-6**	572.78	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	8.29	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-7**	575.46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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-8**	571.97	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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
OW-9**	588.96	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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-1**	572.48	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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-2**	572.42	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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-3**	572.56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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
S-4**	572.19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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-4**	583.85	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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-5**	584.13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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
SG***	567.57	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.
** MW-4 Elevation change on March 14, 2019, all site wells re-surveyed on June 7, 2019
*** Staff Gauge re-surveyed on October 29, 2020
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	03/26/18	06/29/18	09/17/18
	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	11.83	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	11.32	10.83	11.00
MW-1**	577.85	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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	13.21	12.40	12.80
MW-2**	579.11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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	5.78	5.17	5.55
MW-3**	571.45	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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	18.08	17.32	17.73
MW-4	583.83	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-4**	584.20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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	18.72	17.90	18.31
MW-5**	584.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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	20.47	19.68	19.21
MW-6**	586.36	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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	20.57	19.99	20.53
MW-7**	586.96	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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	7.76	7.23	7.15
OW-1**	574.10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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	14.28	13.99	14.25
OW-2**	584.51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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	8.50	8.40	9.55
OW-3**	576.91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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	6.10	8.70	6.32
OW-4**	572.81	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
OW-5	584.16	NA	NA	NA	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	14.76	15.07	15.56
OW-5**	584.52	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	NA	NA	NA	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	4.47	4.41	5.50
OW-6**	572.78	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	8.38	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	6.86	6.80	6.01
OW-7**	575.46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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	4.91	4.82	5.34
OW-8**	571.97	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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	19.69	19.74	20.08
OW-9**	588.96	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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	3.05	3.03	6.53
S-1**	572.48	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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	3.98	3.95	5.12
S-2**	572.42	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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	4.03	4.01	5.17
S-3**	572.56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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	3.51	3.50	4.85
S-4**	572.19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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	16.55	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	16.30	15.60	15.85
RW-4**	583.85	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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	15.80	15.43	16.11
RW-5**	584.13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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	NA	NA	NA	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	2.83	2.01	2.21
SG***	567.57	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.

** MW-4 Elevation change on March 14, 2019, all site wells re-surveyed on June 7, 2019

*** Staff Gauge re-surveyed on October 29, 2020

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

		12/10/18	03/25/19	06/24/19	09/30/19	12/16/19	03/16/20	06/22/20	09/23/20	10/21/20
	Original									
WELL	ELEV.	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW
NAME	TOC	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)
MW-1	577.68	11.07	NA	NA	NA	NA	NA	NA	NA	NA
MW-1**	577.85	NA	11.01	9.95	10.53	10.64	10.48	10.28	10.93	11.01
MW-2	578.76	13.04	NA	NA	NA	NA	NA	NA	NA	NA
MW-2**	579.11	NA	13.10	11.72	12.51	12.71	12.60	12.22	12.45	12.50
MW-3	571.16	5.65	NA	NA	NA	NA	NA	NA	NA	NA
MW-3**	571.45	NA	5.82	4.51	5.12	4.93	5.25	5.08	5.35	5.21
MW-4	583.83	16.25	NA	NA	NA	NA	NA	NA	NA	NA
MW-4	583.83	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-4**	584.20	NA	18.20	17.00	17.97	17.73	17.39	17.39	17.59	17.71
MW-5	584.14	18.25	NA	NA	NA	NA	NA	NA	NA	NA
MW-5**	584.50	NA	18.68	17.25	18.02	18.40	18.10	15.72	17.92	18.02
MW-6	585.70	20.49	NA	NA	NA	NA	NA	NA	NA	NA
MW-6**	586.36	NA	20.58	19.15	19.85	20.28	20.22	19.61	19.85	19.87
MW-7	586.40	20.46	NA	NA	NA	NA	NA	NA	NA	NA
MW-7**	586.96	NA	20.47	19.31	20.14	20.20	19.97	19.75	20.11	20.24
OW-1	573.63	8.03	NA	NA	NA	NA	NA	NA	NA	NA
OW-1**	574.10	NA	7.97	7.19	7.93	8.03	7.52	7.67	7.96	7.89
OW-2	584.14	14.31	NA	NA	NA	NA	NA	NA	NA	NA
OW-2**	584.51	NA	14.27	14.12	14.40	14.50	14.00	13.82	14.08	14.31
OW-3	576.25	7.90	NA	NA	NA	NA	NA	NA	NA	NA
OW-3**	576.91	NA	8.60	8.09	8.67	8.10	7.65	8.13	8.68	8.08
OW-4	572.21	6.02	NA	NA	NA	NA	NA	NA	NA	NA
OW-4**	572.81	NA	6.09	5.12	5.82	5.70	5.47	5.41	5.74	5.98
OW-5	584.16	NA	NA	NA	NA	NA	NA	NA	NA	NA
OW-5*	584.03	16.01	NA	NA	NA	NA	NA	NA	NA	NA
OW-5**	584.52	NA	15.74	14.74	15.37	15.51	14.71	14.58	14.97	15.27
OW-6	572.12	NA	NA	NA	NA	NA	NA	NA	NA	NA
OW-6*	572.17	4.88	NA	NA	NA	NA	NA	NA	NA	NA
OW-6**	572.78	NA	4.50	3.65	4.52	4.04	3.67	3.98	4.53	4.90
OW-7	574.84	7.27	NA	NA	NA	NA	NA	NA	NA	NA
OW-7**	575.46	NA	6.87	6.35	7.09	6.49	6.12	6.50	7.15	7.57
OW-8	571.31	4.99	NA	NA	NA	NA	NA	NA	NA	NA
OW-8**	571.97	NA	4.88	4.18	4.89	4.67	4.52	4.45	4.82	5.02
OW-9	588.32	20.02	NA	NA	NA	NA	NA	NA	NA	NA
OW-9**	588.96	NA	19.61	19.35	19.98	19.40	18.92	19.39	20.06	20.46
S-1	571.84	2.94	NA	NA	NA	NA	NA	NA	NA	NA
S-1**	572.48	NA	3.38	8.42	7.29	4.37	3.91	6.60	6.80	6.77
S-2	571.81	4.39	NA	NA	NA	NA	NA	NA	NA	NA
S-2**	572.42	NA	4.06	3.45	4.10	3.78	3.11	3.53	4.09	4.47
S-3	571.84	4.47	NA	NA	NA	NA	NA	NA	NA	NA
S-3**	572.56	NA	4.08	3.50	4.17	3.63	3.20	3.60	4.15	4.56
S-4	571.51	3.87	NA	NA	NA	NA	NA	NA	NA	NA
S-4**	572.19	NA	3.44	3.11	4.41	3.30	3.25	3.50	4.22	4.65
RW-1	581.82	D	D	D	D	D	D	D	D	D
RW-2	581.82	D	D	D	D	D	D	D	D	D
RW-3	582.30	D	D	D	D	D	D	D	D	D
RW-4	581.83	16.10	NA	NA	NA	NA	NA	NA	NA	NA
RW-4**	583.85	NA	16.15	14.72	15.48	15.85	15.03	15.21	15.40	15.50
RW-5	582.05	14.00	NA	NA	NA	NA	NA	NA	NA	NA
RW-5**	584.13	NA	16.45	15.08	14.10	15.95	15.93	15.48	15.75	15.10
RW-6	570.76	D	D	D	D	D	D	D	D	D
RW-7	570.67	D	D	D	D	D	D	D	D	D
RW-8	583.83	D	D	D	D	D	D	D	D	D
RW-9	583.86	D	D	D	D	D	D	D	D	D
RW-10	583.28	D	D	D	D	D	D	D	D	D
RW-11	581.22	D	D	D	D	D	D	D	D	D
SG	568.89	NA	NA	NA	NA	NA	NA	NA	NA	NA
SG*	567.75	2.65	NA	NA	NA	NA	NA	NA	NA	NA
SG***	567.57	NA	2.50	0.70	1.41	1.60	1.89	1.48	1.55	1.46

* Staff Gauge, OW-5, and OW-6 were re-surveyed in June 2011.
** MW-4 Elevation change on March 14, 2019, all site wells re-surveyed on June 7, 2019
*** Staff Gauge re-surveyed on October 29, 2020
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 1997-2020)



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-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
			Source: SDG:	Columbia MW1	OBG 5116	OBG 6847	OBG 7810	OBG 9571	OBG 1489	OBG 3856	OBG 5490	OBG 7645	OBG 9259	OBG 724	OB 2494	OB 4203	OB 5716	OB 6968	OB 6968	OB 200508
			Matrix: Sampled:	Water 08/12/97	Water 11/20/97	Water 02/19/98	Water 05/27/98	Water 10/21/98	Water 04/19/99	Water 11/09/99	Water 04/27/00	Water 12/13/00	Water 06/19/01	Water 12/11/01	Water 06/17/02	Water 12/17/02	Water 06/25/03	Water 12/15/03	Water 06/08/04	Water 08/02/05
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	ND	8 J	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
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	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	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	ND	2	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
NA = Not analyzed



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:																	
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	
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	
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	
50-29-3	4,4'-DDT	0.2	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	0.0033 J, P	0.0009 J, P	ND	ND	ND	ND	ND	ND	
60-57-1	Dieldrin	0.004	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0011 J, P	ND	ND	ND	ND	ND	
959-98-8	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	
1031-07-8	Endosulfan sulfate	NS	(µg/L)	ND	ND	ND	ND	0.0022 B, J, P	0.0013 J, P	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
72-20-9	Endrin	5	(µg/L)	ND	ND	ND	ND	ND	ND	0.0032 J, P	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	0.0069 B, J, P	ND	ND	0.005 B, J	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	
58-89-9	gamma-BHC (Lindane)	0.05	(µg/L)	ND	ND	ND	ND	ND	ND	0.032 J	0.00053 J, P	ND	ND	ND	ND	ND	ND	ND	ND	
5103-74-2	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	
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	
72-43-5	Methoxychlor	35	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	0.0042 B, J, P	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		All PCBs <0.09	(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)	273	1580	3080	1940	2730	830	4760	7170	4880 E	4760	7810	3660	11500	4090	3680	3230	
7440-36-0	Antimony	3	(µg/L)	ND	ND	ND	ND	1.7 B	3.2 B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
7440-38-2	Arsenic	25	(µg/L)	35.3	23.9	25	23.8	23.9	24.5	29.9	29.4	29.7	29.6	40.6	28.7	36.8	35.6	28.7	31.3	
7440-39-3	Barium	1000	(µg/L)	733	353	447	340	353	353	472	516	624	537	821	419	1170	731	650	603	
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	ND	
7440-43-9	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	
7440-70-2	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	
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	
7440-48-4	Cobalt	NS	(µg/L)	ND	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	
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	
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	
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	
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	
7439-96-5	Manganese	300	(µg/L)	58.2	136	188	157	201	155	297	309	344	208	387	406	563	210	191	165	
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	30.7 B	19 B	2.2 B	19 B	5.5 B	6.5 B	6 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	
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	
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	
7440-23-5	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	
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	
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	
7440-66-6	Zinc	2000 (G)	(µg/L)	57	29.5	19.3 B	25.3	55.7	13.6 B	46.4	49.4	34.6	26.6	46.2	38.8	66.4	47.5	18 B	21.2	
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	
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:

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
NA = Not analyzed



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:	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1 (MS/MSD)	MW-1	MW-1	MW-1	MW-1	MW-1	
			Lab Sample ID:	0603100-003A	A7E98502	A8E15002	RSI0359-01	RTF0798-01	480-2185-1	480-14453-1	480-23574-7	480-38363-1	480-56775-1	480-70616-6	480-83528-6	480-101674-2	480-101969-1	Not Sampled	Not Sampled	480-141984-1	Not Sampled	480-167684-4
			Source:	LSL-BL	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA			TA		TA
			SDG:	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			480-141984		480-167684
			Matrix:	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
			Sampled:	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	09/18/18	06/26/19	03/17/20
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						
75-15-0	Carbon disulfide	60 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			8.5 J		ND	
75-09-2	Methylene chloride	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			0.21 J B		ND	
108-88-3	Toluene	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				2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	8.71	NA	ND
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			ND	ND	
56-55-3	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			ND	ND	
50-32-8	Benzo[a]pyrene	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	0.45 J	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	0.79 J B	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	0.62 J	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	0.84 J	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	1.1 J B	ND	ND	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			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			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			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			ND	ND	
193-39-5	Indeno[1,2,3-cd]pyrene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	0.50 J	ND	ND	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			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	ND	NA	ND

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-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	MW-1 480-141984-1	MW-1 Not Sampled	MW-1 480-167684-4	MW-1 Not Sampled
CAS NO.	COMPOUND PESTICIDES		UNITS:	LSL-BL 6030950 Water 03/22/06	TA A07-E985 Water 12/26/07	TA A8-E150 Water 11/06/08	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 480-101674 Water 06/15/16	TA 480-101969 Water 06/20/16	Water 03/22/17	Water 10/05/17	TA 480-141984 Water 09/18/18	Water Not Sampled 06/26/19	TA 480-167684 Water 03/17/20	Water Not Sampled 10/22/20
309-00-2	Aldrin	ND	(µg/L)																				
319-84-6	alpha-BHC	0.01	(µg/L)																				
319-85-7	beta-BHC	0.04	(µg/L)																				
50-29-3	4,4'-DDT	0.2	(µg/L)																				
60-57-1	Dieldrin	0.004	(µg/L)																				
959-98-8	Endosulfan I	NS	(µg/L)																				
1031-07-8	Endosulfan sulfate	NS	(µg/L)																				
72-20-8	Endrin	ND	(µg/L)																				
7421-93-4	Endrin aldehyde	5	(µg/L)																				
53494-70-5	Endrin ketone	5	(µg/L)																				
58-89-9	gamma-BHC (Lindane)	0.05	(µg/L)																				
5103-74-2	gamma-Chlordane	0.05	(µg/L)																				
1024-57-3	Heptachlor epoxide	0.03	(µg/L)																				
72-43-5	Methoxychlor	35	(µg/L)																				
Total Pesticides				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs																							
None detected		All PCBs <0.09	(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	NA	NA	ND	NA	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)																				
7440-48-4	Cobalt	NS	(µg/L)																				
7440-50-8	Copper	200	(µg/L)																				
7439-89-6	Iron	300	(µg/L)																				
7439-92-1	Lead	5	(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	2000	(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	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 Q3851	MW-2 R7150	MW-2 S7278	MW-2 T6914	MW-2 V4313	MW-2 Z7444	MW-2 A7550	MW-2 B4506	MW-2 E1069
				Columbia MW1 Water 08/12/97	OBG 5116 Water 11/20/97	OBG 6847 Water 02/19/98	OBG 7810 Water 05/28/98	OBG 9571 Water 10/21/98	OBG 1489 Water 04/20/99	OBG 3856 Water 11/08/99	OBG 5490 Water 04/27/00	OBG 7645 Water 12/13/00	OBG 9259 Water 06/19/01	OBG 739 Water 12/12/01	OB 2494 Water 06/18/02	OB 4203 Water 12/17/02	OB 5716 Water 06/25/03	OB 6968 Water 12/18/03	OB 6968 Water 06/07/04
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	7	(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	0.8 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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
89-50-7	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	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	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	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	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)	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	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	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
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
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
85-01-8	Phenanthrene	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
106-95-2	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

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Appendix B-2

Monitoring Well Historically Detected Compounds

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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	4,4'-DDE	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	4,4'-DDT	0.2	(µg/L)	ND	ND	ND	ND	ND	0.0007 J, P	ND	ND	0.0029 J, P	ND	ND	ND	ND	ND	ND	ND
959-98-9	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	0.003 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	0.00092 J, P	0.002 J, P	ND	ND	ND	ND	ND	ND	ND	ND	ND
7421-93-4	Endrin aldehyde	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	0.005 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	ND	0.0028 B, J, P	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		All PCBs <0.09	(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	26800	29800	36400	51300
7440-36-0	Antimony	3	(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
7440-43-9	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
7440-02-0	Nickel	100	(µg/L)	ND	77.5	73.1	51.2	61.2	35 B	53.2 E	76.4	13.3 B	53.7	90	53.4	47.9	61.6	70.5	98.1
7440-09-7	Potassium	NS	(µg/L)	2200 B	7800	7460	5660	4200 B	4330 B	7560	11200	35.3 B, E	5870	11300	9800	9290	10200	10700	13600
7782-49-2	Selenium	10	(µg/L)	ND	6.2	ND	ND	2 B	ND	ND	ND	ND	ND	2.8 B	ND	ND	ND	4 B	4 B
7440-23-5	Sodium	20000	(µg/L)	16500	19700	20100	15900	18700	19100	21400 E	23400	15700	15300	17700	16000 E	17300	17100	17400	19100
7440-28-0	Thallium	.5 (G)	(µg/L)	27	7.6 B	6.6 B	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	59.8	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
57-12-5	Cyanide	200	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.1 B	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:
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.
* = LCS or LCSD is outside acceptance limits.
NA = Not analyzed



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 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	MW-2 480-141984-2	MW-2 Not Sampled	MW-2 480-167684-3	MW-2 Not 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			0.19 J B		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	0.19	NA	ND	
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	
56-55-3	Benzo[a]anthracene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	1.0 J	3.1 J B	ND	ND	ND	ND			ND		ND	
50-32-8	Benzo[a]pyrene	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	0.68 J	0.83 J	1.9 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[g,h,i]perylene	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[k]fluoranthene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	
85-68-7	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	
193-39-5	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	ND	NA	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.
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(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.
* = LCS or LCSD is outside acceptance limits.
NA = Not analyzed



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	MW-2 480-141984-2	MW-2 Not Sampled	MW-2 480-167684-3	MW-2 Not Sampled
			Source: SDG:	OB	LSL-BL	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA			TA		TA	
			Matrix:	200508	6030950	A07-E985	A8-E150	RSI0296	RTF0798	480-2185	480-14453	480-23574	480-38363	480-56775	480-70616	480-83528	480-101674			480-141984		480-167684	
			Sampled:	Water 08/03/05	Water 03/23/06	Water 12/26/07	Water 11/06/08	Water 09/09/09	Water 06/10/10	Water 03/03/11	Water 12/23/11	Water 08/07/12	Water 05/15/13	Water 03/27/14	Water 11/03/14	Water 07/08/15	Water 06/15/16	Water 03/22/17	Water 10/05/17	Water 09/19/18	Water 06/26/19	Water 03/17/20	Water 10/22/20
CAS NO.	COMPOUND		UNITS:																				
PESTICIDES																							
309-00-2	Aldrin	ND	(µg/L)																				
319-84-6	alpha-BHC	0.01	(µg/L)																				
72-55-9	4,4'-DDE	0.2	(µg/L)																				
50-29-3	4,4'-DDT	0.2	(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)																				
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	NA	NA	NA	NA
PCBs																							
	None Detected	All PCBs <0.09	(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	NA	NA	NA	NA	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)																				
7440-48-4	Cobalt	NS	(µg/L)																				
7440-50-8	Copper	200	(µg/L)																				
7439-89-6	Iron	500	(µg/L)																				
7439-92-1	Lead	25	(µg/L)																				
7439-95-4	Magnesium	35000 (G)	(µg/L)																				
7439-96-5	Manganese	300	(µg/L)																				
7439-97-6	Mercury	0.7	(µg/L)																				
7440-02-0	Nickel	100	(µg/L)																				
7440-09-7	Potassium	NS	(µg/L)																				
7782-49-2	Selenium	10	(µg/L)																				
7440-23-5	Sodium	20000	(µg/L)																				
7440-28-0	Thallium	5 (G)	(µg/L)																				
7440-62-2	Vanadium	NS	(µg/L)																				
7440-66-6	Zinc	2000 (G)	(µg/L)																				
57-12-5	Cyanide	200	(µg/L)																				
Total Inorganics				NA	NA	NA	NA	NA	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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ND = Concentration was not detected at or above the reporting limit.
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* = LCS or LCSD is outside acceptance limits.
NA = Not analyzed



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 162134	MW-3 G5115	MW-3 H0917	MW-3 H7395	MW-3 J8484	MW-3 M0191	MW-3 N5015	MW-3 O3846	MW-3 R7156	MW-3 S7325	MW-3 T6809	MW-3 V4310	MW-3 Z7443	MW-3 A7551	MW-3 B4288	MW-3 E1141
				Columbia MW1 Water 08/12/97	OBG 5116 Water 11/20/97	OBG 6847 Water 02/19/98	OBG 7810 Water 05/28/98	OBG 9595 Water 10/22/98	OBG 1489 Water 04/20/99	OBG 3880 Water 11/10/99	OBG 5490 Water 04/26/00	OBG 7645 Water 12/14/00	OBG 9270 Water 06/20/01	OBG 724 Water 12/11/01	OB 2494 Water 06/18/02	OB 4203 Water 12/17/02	OB 5716 Water 06/25/03	OB 6968 Water 12/16/03	OB 6968 Water 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)	ND	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
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B = Compound was found in the blank and sample.
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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 162134	MW-3 G5115	MW-3 H0917	MW-3 H7395	MW-3 J8484	MW-3 M0191	MW-3 N5015	MW-3 O3846	MW-3 R7156	MW-3 S7325	MW-3 T6809	MW-3 V4310	MW-3 Z7443	MW-3 A7551	MW-3 B4288	MW-3 E1141
				Columbia MW1 Water 08/12/97	OBG 5116 Water 11/20/97	OBG 6847 Water 02/19/98	OBG 7810 Water 05/28/98	OBG 9595 Water 10/22/98	OBG 1489 Water 04/20/99	OBG 3880 Water 11/10/99	OBG 5490 Water 04/26/00	OBG 7645 Water 12/14/00	OBG 9270 Water 06/20/01	OBG 724 Water 12/11/01	OB 2494 Water 06/18/02	OB 4203 Water 12/17/02	OB 5716 Water 06/25/03	OB 6968 Water 12/16/03	OB 6968 Water 06/08/04
CAS NO.	COMPOUND		UNITS:																
PESTICIDES																			
319-84-6	alpha-BHC	0.01	(µg/L)	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	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	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	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	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	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	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	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	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	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	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	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																			
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)	197 B	3510	2060	1510	789	665	512	712	816 E	458	1390	604	763	558	265	800
7440-36-3	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	3.9 B	2.1 B	4.5 B	2.7 B	4.2 B	3.1 B	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	189000	172000	149000	151000	141000	139000	127000	115000	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	2.2 B	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	9730	10200	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	54500	57000	58200
7440-28-0	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	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:
NYSDEC June 1998 Ambient Water Quality Standards and Guidance Values for Groundwater Class GA.
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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 050823-002A OB 200508 Water 08/03/05	MW-3 0603100-002A LSL-BL 6030950 Water 03/22/06	MW-3 A7E98504 TA A07-E985 Water 12/26/07	MW-3 A8E30601 TA A08-E150 Water 11/10/08	MW-3 RSI0359-04 TA RSI0296 Water 09/10/09	MW-3 RTF0860-01 TA RTF0798 Water 06/11/10	MW-3 480-2227-5 TA 480-2185 Water 03/04/11	MW-3 480-14453-3 TA 480-14453 Water 12/23/11	MW-3 480-23574-9 TA 480-23574 Water 08/07/12	MW-3 480-38363-3 TA 480-38363 Water 05/15/13	MW-3 480-56775-3 TA 480-56775 Water 03/27/14	MW-3 480-70616-7 TA 480-70616 Water 11/03/14	MW-3 480-83528-7 TA 480-83528 Water 07/08/15	MW-3 480-101785-2 TA 480-101785 Water 06/16/16	MW-3 Not Sampled Water 03/22/17	MW-3 Not Sampled Water 10/05/17	MW-3 480-141984-1 TA 480-141984-3 Water 09/19/18	MW-3 Not Sampled Water 06/26/19	MW-3 480-167684-5 TA 480-167684 Water 03/18/20	MW-3 Not Sampled Water 10/22/20	
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	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	ND		
67-66-3	Chloroform	7	(µg/L)	2 J	ND	ND	ND	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	ND			1.1 J	ND		
1330-20-7	Xylene (total)	5	(µg/L)	ND	ND	ND	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	ND	NA	NA	1.1	NA	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	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	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	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	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	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	ND			ND	ND		
84-66-2	Diethyl phthalate	50 (G)	(µg/L)	ND	ND	ND	1 J B	ND	ND	ND	ND	ND	0.23 J	ND	ND	ND	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	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	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	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	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	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	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	ND	NA	NA	ND	NA	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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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:	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	MW-3	MW-3	MW-3	
			Lab Sample ID:																				
			Source:																				
			SDG:																				
Matrix:																							
Sampled:																							
CAS NO.	COMPOUND		UNITS:																				
PESTICIDES																							
319-84-6	alpha-BHC	0.01	(µg/L)																				
72-55-9	4,4'-DDE	0.2	(µg/L)																				
60-57-1	Dieldrin	0.004	(µg/L)																				
959-98-8	Endosulfan I	NS	(µg/L)																				
33213-65-9	Endosulfan 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	NA	NA		
PCBs		All PCBs <0.09	(µg/L)																				
None Detected				ND	ND	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	NA	NA	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)																				
7440-48-4	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	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
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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-4 162135 Columbia MW1 Water 08/12/97	MW-4 G5191 OBG 5116 Water 11/20/97	MW-4 H1021 OBG 6857 Water 02/20/98	MW-4 H7396 OBG 7810 Water 05/28/98	MW-4 J8485 OBG 9595 Water 10/22/98	MW-4 M0194 OBG 1489 Water 04/20/99	MW-4 N5016 OBG 3880 Water 11/10/99	MW-4 Q3852 OBG 5490 Water 04/27/00	MW-4 R7320 OBG 7645 Water 12/15/00	MW-4 S7324 OBG 9270 Water 06/20/01	MW-4 T7107 OBG 764 Water 12/13/01	MW-4 V4311 OB 2494 Water 06/18/02	MW-4 Z7814 OB 4203 Water 12/18/02	MW-4 A7432 OB 5716 Water 06/24/03	MW-4 B4292 OB 6968 Water 12/16/03	MW-4 E1136 OB 6968 Water 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
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	ND	11	45	1 J	ND	ND	ND	ND	ND	ND	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	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	ND	ND	ND	ND	ND	ND	ND
106-44-5	4-Methylphenol	1	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	2	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	2
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	Phenathrene	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:
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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-4 162135 Columbia Water 08/12/97	MW-4 G5191 OBG 5116 Water 11/20/97	MW-4 H1021 OBG 6857 Water 02/20/98	MW-4 H7396 OBG 7810 Water 05/28/98	MW-4 J8485 OBG 9595 Water 10/22/98	MW-4 M0194 OBG 1489 Water 04/20/99	MW-4 N5016 OBG 3880 Water 11/10/99	MW-4 Q3852 OBG 5490 Water 04/27/00	MW-4 R7320 OBG 7645 Water 12/15/00	MW-4 S7324 OBG 9270 Water 06/20/01	MW-4 T7107 OBG 764 Water 12/13/01	MW-4 V4311 OB 2494 Water 06/18/02	MW-4 Z7814 OB 4203 Water 12/18/02	MW-4 A7432 OB 5716 Water 06/24/03	MW-4 B4292 OB 6968 Water 12/16/03	MW-4 E1136 OB 6968 Water 06/08/04
CAS NO.	COMPOUND		UNITS:																
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
319-84-6	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	0.00093 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	0.0028	(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	ND	0.015 B, J, P	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	0.0033 J, P	ND	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
5103-74-2	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	ND	0.0043 J, P	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	0.0049 J	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		All PCBs <0.09	(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	ND	8 B	26.6	18	13.8	14.8	6.6 B	23.7
7440-39-3	Beryllium	100	(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 B	7.1 B	8.9 B	7.2 B, E	9.4 B	6.8 B	10.5	17.7	7.3 B, E	6 B	5.1 B	12.3	26.9
7440-48-4	Cobalt	NS	(µg/L)	ND	1.6 B	ND	ND	ND	ND	ND	1.7 B	ND	2.6 B	4 B	ND	ND	ND	ND	9.1 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
7439-89-6	Iron	300	(µg/L)	19300	3710	1860	19400	20100	19400	2000	1250	1960	7080	17600	14500	12400	5820	6900	17900
7439-92-1	Lead	25	(µg/L)	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 E	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	38.1	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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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 0508042-001A	MW-4 0603100-003A	MW-4 A7E98505	MW-4 A8E30802	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	MW-4 480-141984-4	MW-4 480-155595-1	MW-4 480-167684-6	MW-4 480-177100-1
CAS NO.	COMPOUND		UNITS:	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 480-2185-3 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 480-83621 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	TA 480-141984 Water 09/19/18	TA 480-155595 Water 06/26/19	TA 480-167684 Water 03/18/20	TA 480-177100 Water 10/22/20
VOLATILES																							
67-64-1	Acetone	50 (G)	(µg/L)	6 J, B	3 J, B	6	ND	ND	ND	ND		ND	ND	4.4 J	3.1 J	ND	ND	ND	4.9 J	4.1 J	ND	ND	ND
71-43-2	Benzene	1	(µg/L)	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	5.5	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	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	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	ND	ND	ND	ND
Total VOCs				8	4	6	ND	ND	ND	ND	NA	ND	ND	4.4	3.1	ND	ND	ND	4.9	4.1	5.5	ND	ND
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	ND	ND	ND	ND
86-55-3	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	ND	ND	ND	ND
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	ND	ND	ND	ND
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	ND	ND	ND	ND
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	ND	ND	ND	ND
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	ND	ND	ND	ND
85-68-7	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	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	ND	ND	ND	ND
84-66-2	Diethyl 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	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	ND	ND	ND	ND
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	ND	ND	ND	ND
91-57-6	2-Methylnaphthalene	NS	(µg/L)	ND	ND	ND	0.6 B J	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	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	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	ND	ND	ND	ND
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	ND	ND	ND	ND
85-01-8	Phenathrene	50 (G)	(µg/L)	ND	ND	ND	0.4 J B	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	1.2 JB	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	ND	ND	ND	ND
Total SVOCs				ND	ND	ND	6.6	0.79	ND	0.31	NA	ND	8.92	ND	ND	ND	ND	ND	0.48	ND	1.2	ND	ND

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-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	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	MW-4 480-141984-4	MW-4 480-155595-1	MW-4 480-167684-6	MW-4 480-177100-1
CAS NO.	COMPOUND		UNITS:	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	TA 480-141984 Water 09/19/18	TA 480-155595 Water 06/26/19	TA 480-167684 Water 03/18/20	TA 480-177100 Water 10/22/20
PESTICIDES																							
309-00-2	Aldrin	NS	(µg/L)																				
319-84-6	alpha-BHC	0.01	(µg/L)																				
5103-71-9	alpha-Chlordane	0.05	(µg/L)																				
72-55-9	4,4'-DDE	0.3	(µg/L)																				
319-86-8	delta-BHC	0.04	(µg/L)																				
60-57-1	Dieldrin	0.004	(µg/L)																				
959-98-8	Endosulfan I	NS	(µg/L)																				
33213-65-9	Endosulfan II	NS	(µg/L)																				
1031-07-8	Endosulfan sulfate	NS	(µg/L)																				
72-20-8	Endrin	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)																				
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	NA	NA	NA	NA
PCBs																							
Aroclor 1248		All PCBs <0.09	(µg/L)	ND	ND	ND	ND	0.51	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
Total PCBs				ND	ND	ND	ND	0.51	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
INORGANICS																							
7429-90-5	Aluminum	NS	(µg/L)																				
7440-36-0	Antimony	3	(µg/L)																				
7440-38-2	Arsenic	25	(µg/L)																				
7440-39-9	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)																				
7439-96-8	Manganese	300	(µg/L)																				
7439-97-6	Mercury	0.7	(µg/L)																				
7440-02-0	Nickel	100	(µg/L)																				
7440-09-7	Potassium	NS	(µg/L)																				
7782-49-2	Selenium	10	(µg/L)																				
7440-23-5	Sodium	20000	(µg/L)																				
7440-28-0	Thallium	.5 (G)	(µg/L)																				
7440-62-2	Vanadium	NS	(µg/L)																				
7440-66-6	Zinc	2000 (G)	(µg/L)																				
57-12-5	Cyanide	200	(µg/L)																				
Total Inorganics				NA	NA	NA	NA	NA	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-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
				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	OB 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	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	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	ND
67-66-3	Chloroform	1	(µg/L)	ND	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	2	ND	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	ND	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
85-01-8	Phenathrene	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)	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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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.
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DO3 = Dilution required due to foaming
* = LCS or LCSD exceeds control limits
NA = Not analyzed



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 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	
CAS NO.	COMPOUND		UNITS:	Columbia MW1	OBG 5116	OBG 6857	OBG 7830	OBG 9595	OBG 1489	OBG 3880	OBG 5512	OBG 7645	OBG 9270	OBG 764	OB 2494	OB 4203	OB 5716	OB 6968	OB 6968	
				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	
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	
319-84-6	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	
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	
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	
72-54-3	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	
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	
50-29-3	4,4'-DDT	0.2	(µg/L)	ND	ND	ND	ND	ND	ND	0.0015 J, P	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	
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	
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	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	
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	
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	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	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	
5103-74-2	gamma-Chlordane	0.05	(µg/L)	ND	ND	ND	ND	0.0047 J, P	0.0018 B, J, P	ND	0.0031 J, P	ND	ND	0.018 J, P	0.0075 J, P	ND	0.0092 J	ND	0.0048 B, J	
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	
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	
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	
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		All PCBs <0.09	(µg/L)																	
None Detected				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		NS	(µg/L)																	
7429-90-5	Aluminum			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
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	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	0.19 B	0.18 B	0.46	ND	0.24 B	0.21 B	0.14 B	ND	ND	ND	
7440-43-9	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	59300	133000	53000	68700	62400	50300	94500	143000	170000	156000	
7440-47-8	Chromium	50	(µg/L)	ND	23	8.9 B	8 B	9.8 B	25.4	20.7 E	13.9	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	2.2 B	1.6 B	ND	ND	3.2 B	3.1 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	8.6 B	7.9 B	3.7 B	1.5 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	30	36	33.5	ND	36.8	23	38.7	ND	19.6	11	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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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 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	MW-5 480-141984-5	MW-5 480-155595-2	MW-5 480-167684-7	MW-5 480-177100-2
				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	TA 480-141984 Water 09/18/18	TA 480-155595 Water 06/26/19	TA 480-167684 Water 03/18/20	TA 480-177100 Water 10/22/20
CAS NO.	COMPOUND		UNITS:																				
VOLATILES																							
67-64-1	Acetone	50 (G)	(µg/L)	4	3	49	ND	ND	ND	ND	4.1 J	ND	ND	9.0 J	ND	10	8.3 J	ND	17 J	ND	14 J	15 J	21
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	14	6.9	1.0 J	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	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	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	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	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	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	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	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	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	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	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	16.1	20.9	16	21
SEMIVOLATILES																							
117-81-7	bis(2-ethylhexyl)phthalate	5	(µg/L)	1 J	ND	ND	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)	5 J	2 J	ND	4 J	6.0	2.9 J	0.84 J	2.5 J	8.0	5.3 *	ND	ND	ND	ND	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	ND	0.49 J	2.3 J	1.2 J	ND	ND	ND	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	ND	0.54 J	2.1 J	1.3 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
56-55-3	Benzo[<i>a</i>]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	ND	ND	ND	ND
205-99-2	Benzo[<i>b</i>]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	ND	ND	ND	ND
191-24-2	Benzo[<i>g,h,i</i>]perylene	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.35 J	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	0.86 J B	ND	1.9 J B	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	0.36 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
84-74-2	Di- <i>n</i> -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	ND	ND	ND	ND
117-84-0	Di- <i>n</i> -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	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	ND	ND	ND	ND
85-01-8	Phenathrene	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.98 JB	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	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	ND	0.98	ND	ND

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Monitoring Well Historically Detected Compounds

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Appendix B-2

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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
				Columbia	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OB	OB	OB	OB
				MW1	5116	6857	7830	9596	1516	3856	5512	7645	9259	739	2494	4203	5716	6968
				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
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	ND
75-15-0	Carbon disulfide	60 (G)	(µg/L)	ND	ND	ND	ND	ND	4 J	6 J	7 J	ND	ND	ND	ND	ND	1 J	ND
75-34-3	1,1-Dichloroethane	5	(µg/L)	ND	ND	ND	ND	ND	4 J	6 J	7 J	ND	ND	ND	ND	ND	1 J	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	ND
	Total VOCs			ND	ND	ND	ND	7	5	6	7	3	5	1	ND	5	1	ND
	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	ND
96-55-3	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
84-66-2	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
85-01-8	Phenanthrene	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	ND

Notes:
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Bold and shaded values exceed the NYSDEC Class GA groundwater standard/guidance value.
NS = No Standard
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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.
F2 = MS/MSD relative percent difference exceeds control limits.
* = LCS or LCSD is outside acceptance limits. ISTD response or retention time outside acceptance limits.
NA = Not analyzed



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 162137	MW-6 G5189	MW-6 H1023	MW-6 H7533	MW-6 J8491	MW-6 M0298	MW-6 N4878	MW-6 Q4027	MW-6 R7179	MW-6 S7280	MW-6 T6911	MW-6 V4636	MW-6 Z7812	MW-6 A7433	MW-6 B4508	MW-6 E1190
CAS NO.	COMPOUND		UNITS:																
PESTICIDES																			
309-00-2	Aldrin	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	0.012 J	0.0017 J, P	ND	ND	0.012 J, P	ND	ND	ND	ND
319-84-6	alpha-BHC	0.01	(µg/L)	ND	ND	ND	0.00061 B, J, P	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	ND	ND
50-29-3	4,4'-DDT	0.2	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0033 J, P	ND	ND	ND	ND	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	ND	ND
959-98-8	Endosulfan I	NS	(µg/L)	ND	ND	ND	ND	0.0014 J, P	ND	ND	ND	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	ND	ND	0.0071 J, P
72-20-8	Endrin	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	0.00069 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	0.01 B, J, P	ND	ND	ND	0.0056 B, J	ND	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	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	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	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	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	ND	0.0107
PCBs																			
None Detected		All PCBs <0.09	(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)	35.2 B	51.5 B	84.4 B	35.5 B	56.3 B	53.4 B	253	56.8 B	95.5 B, E	263	160 B	357	74.6 B	30.6 B	74 B	111 B
7440-36-0	Antimony	3	(µg/L)	ND	2.7 B	ND	ND	1.9 B	ND	ND	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	ND	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	110 B	105 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	ND	ND
7440-43-0	Cadmium	5	(µg/L)	3 B	ND	ND	ND	0.53 B	ND	ND	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	158000	154000
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	2.6 B	2.5 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	ND	ND
7439-89-6	Iron	300	(µg/L)	14600	20700	22400	21600	18100	17500	19600	33100	46900	66600	54000	46700	36100	27000	26600	24500
7439-92-1	Lead	25	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	2.9 B	ND	1.6 B	ND	ND	ND	ND	0.69 B
7439-95-4	Magnesium	35000 (G)	(µg/L)	24900	25600	25700	24400	19500	16400	17800	36000	49200	61500	49500	53600	44400	35600	36900	34500
7439-96-5	Manganese	300	(µg/L)	1010	1420	1590	1610	1150	1220	1470	2100	3310	4620	4190	2900	2000	1530	1420	1300
7440-02-0	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	ND	ND
7440-09-7	Potassium	NS	(µg/L)	12300	22900	23100	25600	36900	54100	57900	56600	32800 E	31300	51800	22500	17200	14600	13200	12300
7782-49-2	Selenium	10	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.7 B	ND	ND	ND	ND	2.7 B	ND
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	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	35000	33700
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	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	ND	ND
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	3.3 B	9.8 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	10.6	ND
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	271,323	260,529

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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 0508015-003A OB 200508 Water 08/01/05	MW-6 0603108-002A LSL-BL 6030950 Water 03/23/06	MW-6 A7E98507 TA A07-E985 Water 12/26/07	MW-6 A8E30604 TA A08-E150 Water 11/10/08	MW-6 RSI0312-06 TA RSI0296 Water 09/09/09	MW-6 RTF0798-05 TA RTF0798 Water 06/10/10	MW-6 480-2185-5 TA 480-2185 Water 03/03/11	MW-6 480-14453-5 TA 480-14453 Water 12/23/11	MW-6 480-23574-3 TA 480-23574 Water 08/07/12	MW-6 480-38363-6 TA 480-38363 Water 05/15/13	MW-6 480-56775-6 TA 480-56775 Water 03/27/14	MW-6 480-70616-3 TA 480-70616 Water 11/03/14	MW-6 480-83521-2 TA 480-83528 Water 07/08/15	MW-6 480-101785-1 TA 480-101785 Water 06/16/16	MW-6 480-114997-3 TA 480-114997 Water 03/22/17	MW-6 480-125448-5 TA 480-125448 Water 10/05/17	MW-6 480-141984-6 TA 480-141984 Water 09/18/18	MW-6 480-155595-3 MS/MSD TA 480-155595 Water 06/26/19	DUP (MW-6) 480-155595-10 MS/MSD TA 480-155595 Water 06/26/19	MW-6 480-167684-1 TA 480-167684 Water 03/17/20	MW-6 480-177100-3 TA 480-177100 Water 10/22/20	
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	ND	6.0 J	3.6 J	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	ND	ND	ND	ND	ND	ND
75-34-3	1,1-Dichloroethane	5	(µg/L)	ND	ND	ND	ND	ND	ND	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	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	ND	6.0	3.6	ND	ND	ND	ND
	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	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	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	0.70 J, B	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	0.51 J	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	0.82 J	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	0.94 J, B	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	0.31 J	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	0.34 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
84-74-2	Di-n-butyl phthalate	50	(µg/L)	ND	ND	0.4 J, B	0.7 J	ND	0.45 J	0.43 J	0.98 J, B	ND	0.75 J, B	0.39 J, B	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	0.85 J, B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
85-01-8	Phenathrene	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.1 J, B	0.98 J, B	ND	ND
129-00-0	Pyrene	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.38 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Total SVOCs			ND	ND	17.4	0.3	ND	0.45	0.43	0.98	ND	6.35	0.39	ND	ND	ND	ND	ND	0.38	ND	1.1	0.98	ND	ND

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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 0508015-003A OB 200508 Water 08/01/05	MW-6 0603108-002A LSL-BL 6030950 Water 03/23/06	MW-6 A7E98507 TA A07-E985 Water 12/26/07	MW-6 A8E30604 TA A08-E150 Water 11/10/08	MW-6 RSI0312-06 TA RSI0296 Water 09/09/09	MW-6 RTF0798-05 TA RTF0798 Water 06/10/10	MW-6 480-2185-5 TA 480-2185 Water 03/03/11	MW-6 480-14453-5 TA 480-14453 Water 12/23/11	MW-6 480-23574-3 TA 480-23574 Water 08/07/12	MW-6 480-38363-6 TA 480-38363 Water 05/15/13	MW-6 480-56775-6 TA 480-56775 Water 03/27/14	MW-6 480-70616-3 TA 480-70616 Water 11/03/14	MW-6 480-83521-2 TA 480-83528 Water 07/08/15	MW-6 480-101785-1 TA 480-101785 Water 06/16/16	MW-6 480-114997-3 TA 480-114997 Water 03/22/17	MW-6 480-125448-5 TA 480-125448 Water 10/05/17	MW-6 480-141984-6 TA 480-141984 Water 09/18/18	MW-6 480-155595-3 TA 480-155595 Water 06/26/19	DUP (MW-6) 480-155595-10 MS/MSD TA 480-155595 Water 06/26/19	MW-6 480-167684-1 TA 480-167684 Water 03/17/20	MW-6 480-177100-3 TA 480-177100 Water 10/22/20
CAS NO.	COMPOUND		UNITS:																					
	PESTICIDES																							
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)																					
50-29-3	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	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	NA	NA	NA	NA	NA
	PCBs																							
	None Detected	All PCBs <0.09	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
	Total PCBs			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	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)																					
7440-50-8	Copper	200	(µg/L)																					
7439-99-6	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	NA	NA	NA	NA	NA

Notes:
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* = LCS or LCSD is outside acceptance limits. ISTD response or retention time outside acceptance limits.
NA = Not analyzed



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
				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
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	3 J, B	ND	ND	3 J, B
75-15-0	Carbon disulfide	60 (G)	(µg/L)	ND	ND	ND	ND	ND	11	8 J	4 J	ND	ND	ND	ND	ND	30	ND	ND
75-09-2	Methylene chloride	5	(µg/L)	ND	ND	ND	ND	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	1 J	ND	ND	ND	ND	ND	ND	ND
1330-20-7	Xylene (total)	5	(µg/L)	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	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	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	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	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	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	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	4 J	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
218-01-9	Chrysene	0.002 (G)	(µg/L)	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
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
84-66-2	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)	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	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	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	1	ND	ND	ND
106-44-5	4-Methylphenol	1	(µg/L)	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
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
129-00-0	Pyrene	50 (G)	(µg/L)	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	4	ND	ND	109	ND	ND	18

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.
NA = Not analyzed



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 Q0429	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:																
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
319-84-6	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
319-86-8	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
72-55-7	4,4'-DDE	0.2	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.003 B, J, P	ND	ND	ND	ND	ND	ND
60-57-1	Dieldrin	0.004	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0027 J	ND	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	0.021 B, J	ND	ND	0.004 B, J	ND	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	ND	0.003 J, P	ND	0.0042 J, P	ND	ND	ND	ND	ND	ND	ND	0.0024 B, J, P
1024-57-3	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		All PCBs <0.09	(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	100	(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	17.6 B	ND	ND	ND	ND	ND	1.7 B	ND	ND	1.5 B	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	4.7 B	2.4 B	ND	ND	ND	ND	0.9 B	ND	ND
7439-89-6	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 B	2.6 B	ND	ND	ND	ND	ND	ND	0.8 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 B	1.4 B	3.5 B	4.5 B, E	8.1 B	4.4 B	2.6 B	4 B	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	12500	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:
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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.
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B = Compound was found in the blank and sample.
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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 0508015-001A OB 200508 Water 08/01/05	MW-7 0603108-002A LSL-BL 6030950 Water 03/23/06	MW-7 A7E98508 TA A07-E985 Water 12/26/07	MW-7 A8E15004 TA A08-E150 Water 11/06/08	MW-7 RSI0312-05 TA RSI0296 Water 09/09/09	MW-7 RTF0798-06 TA RTF0798 Water 06/10/10	MW-7 480-2185-6 TA 480-2185 Water 03/03/11	MW-7 480-14453-6 TA 480-14453 Water 12/23/11	MW-7 480-23574-4 TA 480-23574 Water 08/07/12	MW-7 480-38363-7 TA 480-38363 Water 05/15/13	MW-7 480-56775-7 TA 480-56775 Water 03/27/14	MW-7 480-70616-4 TA 480-70616 Water 11/03/14	MW-7 480-83528-4 TA 480-83528 Water 07/08/15	MW-7 480-101785-3 TA 480-101785 Water 06/16/16	MW-7 Not Sampled Water 03/22/17	MW-7 Not Sampled Water 10/05/17	MW-7 480-141984-7 TA 480-141984 Water 09/19/18	MW-7 Not Sampled Water 06/26/19	MW-7 480-167684-2 TA 480-167684 Water 03/17/20	MW-7 Not Sampled Water 10/22/20
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	3.4 J	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	
75-09-2	Methylene chloride	5	(µg/L)	2 J, B	1 J, B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			ND		ND	
127-18-4	Tetrachloroethene	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	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	3.4	ND	ND	ND	NA	NA	ND	NA	ND	NA
SEMIVOLATILES																							
56-55-3	Benzo[a]anthracene	20 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.0 J B	ND	ND	ND	ND			ND		ND	
50-32-8	Benzo[a]pyrene	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.61 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	ND	ND	1.0 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	0.73 J	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	1.1 J	ND	ND	ND	ND			ND		ND	
117-81-7	bis(2-ethylhexyl)phthalate	5	(µg/L)	ND	ND	37	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	1.4 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	ND	0.45 J	ND	ND	ND	ND			ND		ND	
84-74-2	Di-n-butyl phthalate	50	(µg/L)	ND	ND	0.4 J, B	0.3 J	ND	ND	0.41 J	1.0 J, B	ND	0.91 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	1.3 J B	ND	ND	ND	ND			ND		ND	
84-66-2	Diethyl phthalate	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.44 J	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	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	Indeno[1,2,3-cd]pyrene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.55 J	ND	ND	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		ND	
106-44-5	4-Methylphenol	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)	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	ND	ND	ND	ND	ND			ND		ND	
129-00-0	Pyrene	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.56 J	ND	ND	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	NA	NA	ND	NA	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.
NS = No Standard
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ND = Concentration was not detected at or above the reporting limit.
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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 0508015-001A OB 200508 Water 08/01/05	MW-7 0603108-002A LSL-BL 6030950 Water 03/23/06	MW-7 A7E98508 TA A07-E985 Water 12/26/07	MW-7 A8E15004 TA A08-E150 Water 11/06/08	MW-7 RSI0312-05 TA RSI0296 Water 09/09/09	MW-7 RTF0798-06 TA RTF0798 Water 06/10/10	MW-7 480-2185-6 TA 480-2185 Water 03/03/11	MW-7 480-14453-6 TA 480-14453 Water 12/23/11	MW-7 480-23574-4 TA 480-23574 Water 08/07/12	MW-7 480-38363-7 TA 480-38363 Water 05/15/13	MW-7 480-56775-7 TA 480-56775 Water 03/27/14	MW-7 480-70616-4 TA 480-70616 Water 11/03/14	MW-7 480-83528-4 TA 480-83528 Water 07/08/15	MW-7 480-101785-3 TA 480-101785 Water 06/16/16	MW-7 Not Sampled Water 03/22/17	MW-7 Not Sampled Water 10/05/17	MW-7 480-141984-7 TA 480-141984 Water 09/19/18	MW-7 Not Sampled Water 06/26/19	MW-7 480-167684-2 TA 480-167684 Water 03/17/20	MW-7 Not Sampled Water 10/22/20
CAS NO.	COMPOUND		UNITS:																				
PESTICIDES																							
309-00-2	Aldrin	ND	(µg/L)																				
319-84-6	alpha-BHC	0.01	(µg/L)																				
319-86-8	delta-BHC	0.04	(µg/L)																				
72-54-8	4,4'-DDD	0.3	(µg/L)																				
72-55-9	4,4'-DDE	92	(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	NA	NA	NA	NA
PCBs																							
	PCB-1242	All PCBs <0.09	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	1.5	ND	ND	ND	ND	ND				ND		ND
Total PCBs				ND	ND	ND	ND	ND	ND	ND	ND	1.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	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	5	(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	5	(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)																				
7440-29-0	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	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
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.
NA = Not analyzed



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:	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	RW-4 480-141984-8	RW-4 480-155595-4	RW-4 480-167686-6	RW-4 480-177100-9
CAS NO.	COMPOUND		UNITS:	OB 200508 Water 08/11/05	LSL-BL 6030950 Water 03/24/06	TA A07-E985 Water 12/27/07	TA A08-E150 Water 11/05/08	TA RSI0296 Water 09/08/09	TA RTF0798 Water 06/14/10	TA 480-2185 Water 03/03/11	TA 480-14402 Water 12/22/11	TA 480-23574 Water 08/07/12	TA 480-38452 Water 05/16/13	TA 480-56862 Water 03/28/14	TA 480-70664 Water 11/04/14	TA 480-83621 Water 07/09/15	TA 480-101880 Water 06/17/16	TA 480-114997 Water 03/23/17	TA 480-125448 Water 10/05/17	TA 480-141984 Water 09/19/18	TA 480-155595 Water 06/27/19	TA 480-167686 Water 03/19/20	TA 480-177100 Water 10/23/20
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	6.2 J	ND	ND	ND
71-43-2	Benzene	1	(µg/L)	4 J	ND	ND	ND	ND	ND	ND	ND	ND	13	13	14	0.60 J	ND	ND	ND	ND	ND	ND	ND
75-15-0	Carbon Disulfide	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
156-59-2	cis-1,2-Dichloroethene	5	(µg/L)	0.7 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	ND	ND	4.5	6.2
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	1.3 J	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	ND	ND	ND	ND
108-88-3	Toluene	5	(µg/L)	1 J	ND	ND	ND	ND	ND	ND	0.82 J	0.55 J	ND	ND	ND	ND	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	ND	ND	5.7	2.6 J
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	7.5	6	36.7	20.8
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	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	0.45 J	ND	ND	0.45 J
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	ND	ND	ND	0.58 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	ND	ND	ND	ND	ND
50-32-3	Benzo(a)pyrene	NS	(µg/L)	ND	ND	ND	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	ND	ND	ND
191-24-2	Benzo(g,h,i)perylene	ND	(µg/L)	ND	ND	ND	ND	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	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	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	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	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	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	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	0.41 J	0.27 J	0.29 J	0.70 J	0.77 J	ND	0.26 J	0.31 J
81-74-2	Di-n-butyl phthalate	50	(µg/L)	ND	2 J	ND	ND	ND	ND	0.37 J	ND	ND	ND	0.29 J	0.48 J B	ND	ND	ND	0.39 J	1.2 J	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	ND	ND	ND
95-50-1	1,2-Dichlorobenzene	3	(µg/L)	ND	ND	ND	0.5 J B	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	0.6 J B	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	0.5 J B	ND	ND	ND	0.34 J	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	ND	ND	ND	ND	ND
193-39-5	Ideno(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	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	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	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	ND	ND	18	ND
85-01-3	Phenanthrene	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.1 JB	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	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	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	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	0.45	1.36	18.31	2.93
PCBs																							
None detected		All PCBs <0.09	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
Total PCBs				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	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.
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.
* = LCS or LCSD is outside acceptance limits. ISTD response or retention time outside acceptance limits.
NA = Not analyzed



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:	RW-5 0508082-001A OB 200508 Water 08/11/05	RW-5 0603110-001A LSL-BL 6030950 Water 03/24/06	RW-5 A7E985010 TA A07-E985 Water 12/27/07	RW-5 A8E15006 TA A08-E150 Water 11/05/08	RW-5 RSI0296-05 TA RSI0296 Water 09/08/09	RW-5 RTF0903-03 TA RTF0798 Water 06/14/10	RW-5 480-2185-9 TA 480-2185 Water 03/03/11	RW-5 480-14402-2 TA 480-14402 Water 12/22/11	RW-5 480-23574-6 TA 480-23574 Water 08/07/12	RW-5 480-38452-7 TA 480-38452 Water 05/16/13	RW-5 480-56862-7 TA 480-56862 Water 03/28/14	RW-5 480-70664-2 TA 480-70664 Water 11/04/14	RW-5 480-83621-3 TA 480-83621 Water 07/09/15	RW-5 480-101880-2 TA 480-101880 Water 06/17/16	RW-5 480-114997-10 TA 480-114997 Water 03/23/17	RW-5 480-125448-8 TA 480-125448 Water 10/05/17	RW-5 480-141984-9 TA 480-141984 Water 09/18/18	RW-5 480-155595-5 TA 480-155595 Water 06/27/19	RW-5 480-167686-7 TA 480-167686 Water 03/19/20	RW-5 480-177100-10 TA 480-177100 Water 10/23/20
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	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	4.4	ND	ND	ND	ND	ND	ND	ND	0.58 J
75-15-0	Carbon Disulfide	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	0.56 J B	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	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	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	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	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	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	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	ND	ND	ND	0.58
SEMIVOLATILES																							
120-12-7	Anthracene	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	0.64 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.37 J	ND	ND
208-96-8	Acenaphthylene	NS	(µg/L)	5 J	ND	ND	ND	ND	ND	ND	0.77 J	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	0.72 J	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	0.48 J	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	0.54 J	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	0.57 J	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	ND	ND	0.63 J	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	3.2 J	ND	ND	ND	ND	3.8 J	ND	ND	ND	ND	ND	ND	ND	ND
85-68-7	Butyl benzyl phthalate	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	3.4 J	ND	ND	0.52 J B	1.2 J B	ND	ND	ND	ND	ND	ND	ND	ND	ND
86-74-8	Carbazole	NS	(µg/L)	2 J	ND	ND	ND	ND	ND	0.34 J	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	0.62 J	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	0.53 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	ND	ND	ND	ND	ND	ND	0.26 J	ND	ND	ND	ND	ND	ND	0.26 J	ND	ND	ND	0.74 J
105-67-9	2,4-Dimethylphenol	1	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.0 J	ND	ND
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	ND	ND	ND	ND
117-84-0	Di-n-octyl-phthalate	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	3.0 J	ND	ND	ND	ND	ND	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	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	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	ND	ND	ND	ND
206-44-0	Fluoranthene	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	0.59 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
193-39-5	Ideno(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	ND	ND	ND	ND
91-57-6	2-Methylnaphthalene	NS	(µg/L)	8 J	ND	ND	ND	ND	ND	ND	ND	1.7 J	ND	ND	ND	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	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	ND	1.3 J	ND	ND	3.4 J	ND	ND
85-01-8	Phenanthrene	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	0.89 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.1 JB	ND	ND
108-95-2	Phenol	1	(µg/L)	3 J	ND	ND	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	0.76 J	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	ND	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	3.4	2.47	ND	0.74
PCBs																							
None detected		All PCBs <0.09	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
Total PCBs				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	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.
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 and/or MSD Recovery is outside acceptance limits.
F2 = MS/MSD RPD exceeds control limits.
NA = Not analyzed



Appendix B-3 Historically Detected Compounds (Sumps 1997-2020)



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 C5093 OBG 5116 Water 11/20/1997	S-1 H0918 OBG 6847 Water 2/18/1998	S-1 H7400 OBG 7810 Water 5/28/1998	S-1 J8341 OBG 9571 Water 10/21/1998	S-1 M0193 OBG 1489 Water 4/20/1999	S-1 N4877 OBG 3856 Water 11/9/1999	S-1NAPL A9751104 OBG 11090 Water 11/9/1999	S-1 Q3849 OBG 5490 Water 4/26/2000	S-1 R7180 OBG 7645 Water 12/14/2000	S-1 S7322 OBG 9270 Water 6/20/2001	S-1 T7106 OBG 764 Water 12/13/2001	S-1 V4632 OB 2494 Water 6/19/2002	S-1 Z7813 OB 4203 Water 12/18/2002	S-1 A7429 OB 5716 Water 6/24/2003	S-1 B4467 OB 6968 Water 12/18/2003	S-1 E1135 6968 Water 6/8/2004	S-1 0508015-006A OB 200508 Water 8/2/2005
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	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	ND
78-93-3	2-Butanone	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	3 J	ND	ND	2 J	ND	ND	2 J	ND
75-15-0	Carbon disulfide	60 (G)	(µg/L)	ND	ND	ND	ND	7 J	ND	ND	ND	ND	ND	ND	15	ND	ND	ND	ND	ND
108-90-7	Chlorobenzene	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.8 J	ND	ND	0.6 J	0.7 J
75-00-3	Chloroethane	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	1 J	ND	ND	ND	ND	ND	ND	ND
74-87-3	Chloromethane	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	2 J	ND	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	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	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	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	ND	0.6 J	ND
75-09-2	Methylene chloride	5	(µg/L)	ND	ND	ND	2 J	ND	ND	ND	ND	ND	1 J	0.6 J, B	2 J	0.7 J, B	0.5 J	ND	1 J, B	0.9 J, B
127-18-4	Tetrachloroethene	5	(µg/L)	ND	ND	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	ND	0.7 J
79-01-6	Trichloroethene	5	(µg/L)	ND	ND	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	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	ND	ND
Total VOCs				14	10	9	14	20	7	NA	7	5	19	4.6	17	9.5	6.5	ND	14.2	7.3
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	2 J
208-96-8	Acenaphthylene	NS	(µg/L)	ND	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	ND
56-55-3	Benzo[a]anthracene	0.02 (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	12
50-32-8	Benzo[a]pyrene	NS	(µg/L)	12	57	2 J	230 D	150 D	42 J, D	730,00 J	88 J, D	21 J, D	30 J, D	19 J, D	26 J, D	ND	72 J, D	53 D	10 J	10
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	20
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	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	5 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	8 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	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	10
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	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
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	1 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	ND
541-73-1	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	ND
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	1 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	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)	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	22
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	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	21
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	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	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	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	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	2 J
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	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	ND
87-86-5	Pentachlorophenol	5	(µg/L)	NA	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	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	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	30
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	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	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	154.0

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.

* = LCS or LCSD is outside acceptance 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-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	200508		
				Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	
				11/20/1997	2/18/1998	5/28/1998	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	8/2/2005	
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	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	0.11 J, P		
319-85-7	beta-BHC	0.04	(µg/L)	ND	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	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	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	0.092 J, P	0.2 J, P	0.46 P	ND		
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	0.22 J, P		
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	2 P		
72-54-8	4,4'-DDD	0.3	(µg/L)	0.026 J, P	0.26 J, P	0.058 J, P	0.033 J, P	0.051 J, P	ND	0.029 J, P	ND	0.068 J, P	ND	ND	ND	2.3 P	0.053 J, P	ND	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	9.3 E	0.69 P	1 P	0.61 P	1.1	4.3		
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	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	ND		
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	0.58 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	ND		
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	0.32 J, P		
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	1.7 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	ND		
53494-70-5	Endrin ketone	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.069 J, P	8 P	ND	ND	0.46 J, P	0.87 P	0.23 J, P		
76-44-8	Heptachlor	0.04	(µg/L)	ND	0.39 P	ND	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	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	0.84 J, P		
Total Pesticides				1.5	20.9	0.3	3.8	4.7	1.1	NA	1.3	2.1	4.9	7.9	39.2	2.8	7.7	5.1	4.8	10.8	
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	370	
INORGANICS																					
7429-90-5	Aluminum	NS	(µg/L)	142 B	1090	30.2 B	5870	2390	859	1920	6890 E	3290	18300	85.4 B	3380	4920	23300		4500		
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	ND	ND		
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	ND	12.6		
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	190 B	ND		
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	ND	ND		
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	ND	ND		
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	61,300	ND		
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	ND	21.7		
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	ND	ND		
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	ND	53		
7439-89-6	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	15,200	ND		
7439-92-1	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	35.8	ND		
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	16,500	ND		
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	971	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)	7.7 B	17 B	8.1 B	28.9 B	18.2 B	33.5 B, E	45.3	28.6 B	12.4 B	102	2 B	14.1 B	35.7 B	310	33.7 B	ND		
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	25,300	ND		
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	ND	ND		
7440-22-4	Silver	50	(µg/L)	ND	ND	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	81,800	88,800	ND		
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	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	12.4 B	ND		
7440-66-6	Zinc	2,000 (G)	(µg/L)	15.8 B	157	23.7	384	138	149	205	197	164	1340	13.6 B	133	270	1200	126	ND		
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	15.3	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	213,072	

Notes:

¹ - Standard is for Chlordane (CAS 57-74-9).

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.

* = LCS or LCSD is outside acceptance 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-1 0603095-002A LSL-BL 6030950 Water 3/21/2006	S-1 A7E985011 TA A07-E985 Water 12/27/2007	S-1 A8E30606 TA A08-E150 Water 11/10/2008	S-1 RSI0312-01 TA RSI0296 Water 9/9/2009	S-1 RTF0860-02 TA RTF0798 Water 6/11/2010	S-1 480-2227-1 TA 480-2185 Water 3/4/2011	S-1 480-14339-1 TA 480-14339 Water 12/21/2011	S-1 480-23637-1 TA 480-23637 water 8/8/2012	S-1 480-38452-3 TA 480-38452 water 5/16/2013	S-1 480-56862-1 TA 480-38452 WATER 3/28/2014	S-1 480-70664-3 TA 480-38452 WATER 11/4/2014	S-1 480-83621-4 TA 480-83621 WATER 7/9/2015	S-1 480-101674-4 TA 480-101674 WATER 6/15/2016	S-1 480-114997-5 TA 480-114997 WATER 3/23/2017	S-1 480-125448-9 TA 480-125448 WATER 10/6/2017	S-1 480-141984-10 TA 480-141984 WATER 9/17/2018	S-1 480-155595-6 TA 480-155595 WATER 6/27/2019	S-1 480-167686-2 TA 480-167686 WATER 3/18/2020	S-1 480-177100-4 TA 480-177100 WATER 10/22/2020
CAS NO.	COMPOUND		UNITS:																			
VOLATILES																						
67-64-1	Acetone	50 (G)	(µg/L)	5 J, B	ND	ND	5.5	ND	ND	ND	4.1 J	ND	ND	3.0 J	ND	ND	ND	ND	ND	ND	ND	ND
71-43-2	Benzene	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	0.44 J	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	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	ND	ND	ND
108-90-7	Chlorobenzene	5	(µg/L)	0.8 J	3 J	ND	ND	ND	6.0	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
75-00-3	Chloroethane	5	(µg/L)	ND	ND	ND	ND	ND	1.1	ND	0.69 J	ND	ND	0.66 J	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	ND	ND	ND
75-34-3	1,1-Dichloroethane	5	(µg/L)	ND	ND	ND	0.50 J	ND	0.44 J	ND	ND	ND	ND	ND	ND	ND	ND	2.2	ND	ND	ND	ND
156-59-2	cis-1,2-Dichloroethene	5	(µg/L)	2 J	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	4.8	4.0 DO3, J	ND	ND	ND	ND	ND	ND	ND	3.4	ND	1.7 J	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	ND	ND	ND	ND
75-08-2	Methylene chloride	5	(µg/L)	1 J, B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.3 J	ND	ND	ND
127-18-4	Tetrachloroethene	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	0.49 J	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	ND	ND	ND	ND
79-01-6	Trichloroethene	5	(µg/L)	ND	ND	ND	0.66 J	ND	ND	ND	ND	ND	ND	ND	ND	0.46 J	ND	ND	ND	ND	ND	ND
75-01-4	Vinyl chloride	2	(µg/L)	ND	ND	ND	0.59 J	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	ND	ND	ND	ND
Total VOCs				8.8	3	ND	12.05	4.0	7.54	10.44	5.69	ND	ND	3.66	ND	3.86	ND	3.9	5.3	ND	ND	ND
SEMIVOLATILES																						
83-32-9	Acenaphthene	20 (G)	(µg/L)	ND	1 J	0.8 J	ND	ND	2.5 J	2.0 J	ND	ND	ND	1.0 J	ND	ND	ND	0.73 J	0.54 J	ND	ND	0.74 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	ND	ND	ND	ND
120-12-7	Anthracene	50(G)	(µg/L)	ND	0.8 J	0.9 J	ND	ND	ND	ND	0.64 J	ND	ND	0.69 J	ND	ND	ND	ND	0.88 J	0.41 J	ND	0.83 J
56-55-3	Benzo[a]anthracene	50 (G)	(µg/L)	ND	0.4 J	ND	ND	32 J D12	ND	ND	0.74 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
50-32-8	Benzo[a]pyrene	NS	(µg/L)	62 J	ND	0.3 J	37 J D12	ND	ND	ND	0.77 J	ND	ND	0.48 J	ND	ND	ND	ND	ND	ND	ND	ND
205-99-2	Benzo[b]fluoranthene	0.002 (G)	(µg/L)	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	ND	ND	ND	ND	ND
191-24-2	Benzo[g,h,i]perylene	NS	(µg/L)	33 J	ND	0.2 J B	ND	ND	ND	ND	0.65 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
207-08-9	Benzo[k]fluoranthene	0.002 (G)	(µg/L)	38 J	ND	ND	26 J D12	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)	76 J	ND	ND	110 D12	ND	2.9 J	ND	6.3	ND	ND	3.7 J	ND	ND	ND	ND	ND	ND	ND	ND
86-74-8	Carbazole	NS	(µg/L)	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	ND	0.64 J	0.31 J	ND	0.90 J
218-01-9	Chrysene	0.002 (G)	(µg/L)	54 J	ND	ND	27 J D12	ND	ND	ND	0.73 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
84-74-2	Di-n-butyl phthalate	50	(µg/L)	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	0.34 J	0.46 J	0.34 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	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	ND	ND	ND
132-64-9	Dibenzofuran	NS	(µg/L)	ND	0.7 J	ND	ND	ND	0.92 J	1.0 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
541-73-1	1,3-Dichlorobenzene	3	(µg/L)	ND	1 J B	ND	ND	ND	0.82 J	0.89 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
106-46-7	1,4-Dichlorobenzene	3	(µg/L)	ND	2 J	0.3 J B	ND	0.53 J	1.5 J	1.9 J	ND	ND	ND	ND	ND	ND	ND	0.61 J	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	ND	ND	ND	ND
84-66-2	Diethyl phthalate	50 (G)	(µg/L)	ND	ND	1 J B	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	8	ND	ND	8.2	9.4	4.7 J	65	1.3 J	ND	18	ND	7.0	ND	60	5.3	2.5 J	ND	38
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	1.2 J	ND	ND	ND
206-44-0	Fluoranthene	50 (G)	(µg/L)	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	ND	ND	ND	ND	ND
86-73-7	Fluorene	50 (G)	(µg/L)	ND	1 J	0.4 J	ND	ND	1.6 J	1.2 J	0.77 J	ND	ND	0.43 J	ND	ND	ND	0.59 J	ND	ND	ND	ND
193-39-5	Indeno[1,2,3-cd]pyrene	0.002 (G)	(µg/L)	32 J	ND	0.2 J B	ND	ND	ND	ND	0.54 J	ND	ND	0.47 J	ND	ND	ND	ND	ND	ND	ND	ND
91-57-6	2-Methylnaphthalene	NS	(µg/L)	ND	0.6 J	ND	ND	ND	ND	ND	0.72 J	ND	ND	ND	ND	ND	ND	0.72 J	ND	ND	ND	ND
95-48-7	2-Methylphenol	1	(µg/L)	ND	0.2 J	ND	ND	0.79 J	0.54 J	ND	ND	ND	ND	0.70 J	ND	0.44 J	ND	18	ND	ND	ND	1.3 J
106-44-5	4-Methylphenol	1	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	0.47 J	ND	1.0 J	ND	ND	ND	43	ND	ND	ND	ND
91-20-3	Naphthalene	10 (G)	(µg/L)	ND	2 J	0.3 J B	ND	ND	1.1 J	1.8 J	ND	ND	ND	ND	ND	ND	6.4	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	ND	ND	ND
87-86-5	Pentachloropheno	5	(µg/L)	NA	9 J	ND	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	1 J	ND	ND	ND	ND	ND	0.75 J	ND	ND	ND	ND	ND	0.61 J	ND	1.0 JB	ND	ND	ND
108-95-2	Phenol	1	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.81 J	ND	ND	ND	ND	ND	ND	ND	ND
129-00-0	Pyrene	50 (G)	(µg/L)	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	ND	ND	ND	ND	0.34 J
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	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	1.4 J	ND	ND	ND	ND	ND
Total SVOCs				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	132.37	9.51	4.22	ND	42.11

Notes:

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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.

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.

* = LCS or LCSD is outside acceptance 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-1 060309502A LSL-BL 6030950 Water 3/21/2006	S-1 A7E985011 TA A07-E985 Water 12/27/2007	S-1 A8E30606 TA A08-E150 Water 11/10/2008	S-1 RSI0312-01 TA RSI0296 Water 9/9/2009	S-1 RTF0860-02 TA RTF0798 Water 6/11/2010	S-1 480-227-1 TA 480-2185 Water 3/4/2011	S-1 480-14339-1 TA 480-14339 Water 12/21/2011	S-1 480-23637-1 TA 480-23637 water 8/8/2012	S-1 480-38452-3 TA 480-38452 water 5/16/2013	S-1 480-56862-1 TA 480-38452 WATER 3/28/2014	S-1 480-70664-3 TA 480-38452 WATER 11/4/2014	S-1 480-83621-4 TA 480-83621 WATER 7/9/2015	S-1 480-101674-4 TA 480-101674 WATER 6/15/2016	S-1 480-114997-5 TA 480-114997 WATER 3/23/2017	S-1 480-125448-9 TA 480-125448 WATER 10/6/2017	S-1 480-141984-10 TA 480-141984 WATER 9/17/2018	S-1 480-155595-6 TA 480-155595 WATER 6/27/2019	S-1 480-167686-2 TA 480-167686 WATER 3/18/2020	S-1 480-177100-4 TA 480-177100 WATER 10/22/2020
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	ND	ND	ND
319-84-6	alpha-BHC	0.01	(µg/L)	ND	ND	0.042 J	ND	ND	ND	ND	ND	0.019 J	0.018 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
319-85-7	beta-BHC	0.04	(µg/L)	ND	ND	0.031 J	ND	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	0.072 B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.012 J	ND	ND	0.022 JB	ND	ND
58-89-9	gamma-BHC (Lindane)	0.05	(µg/L)	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	ND	ND	ND	ND
5103-71-9	alpha-Chlordane	0.05	(µg/L)	ND	ND	0.027 J	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	0.012 J	ND	ND	0.012 QSU, J	ND	ND	ND	0.030 J	0.015 J	ND	ND	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	0.17 B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
72-55-9	4,4'-DDE	0.2	(µg/L)	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	ND	0.017 J	0.033 J	
50-29-3	4,4'-DDT	0.2	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.017 J	ND	ND	ND	ND	ND	ND	ND	0.019 J**1	ND
60-57-1	Dieldrin	0.004	(µg/L)	ND	0.023 J	0.13 J	6.7 QFL D04	ND	ND	ND	ND	0.010 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
959-98-8	Endosulfan I	NS	(µg/L)	ND	ND	ND	ND	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	0.021 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1031-07-8	Endosulfan sulfate	NS	(µg/L)	0.48 J, P	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
72-20-8	Endrin	NS	(µg/L)	0.9 J	ND	ND	ND	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	5.9 J QFL D04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
53494-70-5	Endrin ketone	5	(µg/L)	0.16 J, P	ND	ND	ND	ND	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	0.018 J	0.028 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
1024-57-3	Heptachlor epoxide	0.03	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	0.011 J	ND	ND	ND	ND	ND	0.010 J	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	ND	ND	ND
Total Pesticides				3.1	0.065	0.369	20.6	0.041	ND	ND	ND	0.281	0.131	ND	ND	ND	0.032	ND	0.010	0.039	0.052	ND
PCBs																						
53469-21-9	Aroclor-1242	Sum of all PCBs < 0.09	(µg/L)	58 P	0.62	ND	ND	ND	0.26 J	0.42 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.24 J
12672-29-6	Aroclor-1248		(µg/L)	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	0.40 J	ND	ND	
11097-69-1	Aroclor-1254		(µg/L)	-	-	-	-	-	ND	ND	ND	ND	ND	ND	1.6	ND	ND	ND	ND	ND	ND	ND
11096-82-5	Aroclor-1260		(µg/L)	ND	ND	2.6	210 QSU D08 Z3	ND	ND	ND	5.7	ND	ND	ND	1.5	ND	ND	ND	ND *	ND	ND	ND
Total PCBs				88	0.62	8.0	500	ND	0.26	0.42	14.0	ND	ND	0.63	6.3	1.1	ND	0.49	0.40	ND	ND	0.24
INORGANICS																						
7429-90-5	Aluminum	NS	(µg/L)	11200	89.0 B	ND	357 B	1,180 CF6	ND	ND	630	ND	87 J	ND	130 J	ND	97 J	410	ND	ND	580	ND
7440-36-0	Antimony	3	(µg/L)	4.8 B	ND	ND	7.8 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
7440-38-2	Arsenic	25	(µg/L)	27.7	ND	5.4 B	11.3	6.8 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.8 J	ND
7440-39-3	Barium	1,000	(µg/L)	238	190	169	69.0	85.2	140	130	160 B	76	38	150	96	51 B	10	44	110	110	17	130
7440-41-7	Beryllium	3 (G)	(µg/L)	0.37 B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
7440-43-9	Cadmium	5	(µg/L)	1.1 B	ND	ND	ND	0.4 J	ND	0.46 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
7440-70-2	Calcium	NS	(µg/L)	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	77,900	49,700	47,300	53,700
7440-47-8	Chromium	50	(µg/L)	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	ND	ND	1.2 J	ND
7440-48-4	Cobalt	NS	(µg/L)	6.2 B	ND	ND	0.7 J	0.9 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
7440-50-8	Copper	200	(µg/L)	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	ND	ND	3.1 J	ND
7439-89-6	Iron	300	(µg/L)	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	3,000	2,900	510	4,900
7439-92-1	Lead	25	(µg/L)	65.1	ND	ND	5.0	21.8 CF6	ND	ND	ND	ND	4.2 J	ND	ND	ND	ND	4.9 J	ND	ND	ND	ND
7439-95-4	Magnesium	35,000 (G)	(µg/L)	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	14,900	13,400	15,500	11,300
7439-96-5	Manganese	300	(µg/L)	929 E	917	1,060	222	386	710	640	720	510 B	200	590	480 B	130 B	3.0	ND	460	1,000	16	660
7439-97-6	Mercury	0.7	(µg/L)	0.086 B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
7440-02-0	Nickel	100	(µg/L)	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	1.5 J	ND	ND	1.5 J
7440-09-7	Potassium	NS	(µg/L)	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	28,300	14,700	2,200	17,600
7782-49-2	Selenium	10	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
7440-22-4	Silver	50	(µg/L)	1.6 B	1.0 B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
7440-23-5	Sodium	20,000	(µg/L)	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	76,000	47,900	2,500	71,500
7440-28-0	Thallium	0.5 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
7440-62-2	Vanadium	NS	(µg/L)	42.2 B	ND	ND	5.1	3.9 J	ND	ND	2.2 J	ND	ND	ND	ND	ND	ND	7.0	8.9	ND	ND	ND
7440-66-6	Zinc	2,000 (G)	(µg/L)	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	2.7 J B	4.7 J B	7.9 J B	ND
57-12-5	Cyanide	200	(µg/L)	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	9.8 J	ND	ND	ND
Total Inorganics				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	200,698	129,715	68,641	159,661

Notes:
¹ - Standard is for Chlordane (CAS 57-74-9).

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

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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.

* = LCS or LCSD is outside acceptance 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-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	O5081S-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:																
VOLATILES																			
67-64-1	Acetone	50 (G)	(µg/L)	ND	ND	ND	9 J, B	ND	ND	ND	3 J	7 J	ND	ND	3 J, B	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	ND	1 J	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	ND	1 J, B	ND	0.8 J, B	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	14.9
SEMIVOLATILES																			
0.58 J	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	0.002 (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	ND	1 J	16	ND	6 J	2 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	3 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	11	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.

* = LCS or LCSD is outside acceptance 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-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	O5015-17A
				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																			
309-00-2	Aldrin	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	
319-84-6	alpha-BHC	0.01	(µg/L)	ND	ND	0.0015 J, P	ND	0.00081 J, P, B	ND	0.0062 J, P	ND	ND	ND	ND	0.0032 J, P	ND	ND	ND	
319-85-7	beta-BHC	0.04	(µg/L)	ND	ND	0.019 J	ND	ND	ND	ND	ND	ND	0.0074 J, P	0.0047 J, P	ND	ND	ND	ND	
319-86-8	delta-BHC	0.04	(µg/L)	ND	ND	ND	0.0027 J, P	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
58-89-9	gamma-BHC (Lindane)	0.05	(µg/L)	ND	0.0074 J, P	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.066 P	0.003 J, P	
5103-71-9	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	
5566-34-7	gamma-Chlordane	0.05 ¹	(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	0.038 J, P	
5103-74-2	trans-Chlordane	0.05 ¹	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
72-54-8	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	
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	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	
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	
959-98-8	Endosulfan I	NS	(µg/L)	ND	ND	ND	ND	ND	0.0033 J, P, B	ND	ND	ND	0.018 J	0.0038 J, P	0.026 J	0.015 J	ND	0.012 J	
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	
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	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	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	
53494-70-5	Endrin ketone	5	(µg/L)	ND	ND	ND	0.00068 J	0.00041 J, P	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	
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	
72-43-5	Methoxychlor	35	(µg/L)	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	
PCBs																			
53469-21-9	Aroclor-1242	Sum of all PCBs	(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	
12672-29-6	Aroclor-1248	< 0.09	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.9	
11096-82-5	Aroclor-1260		(µg/L)	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	6.9	
INORGANICS																			
7429-90-5	Aluminum	NS	(µg/L)	341	302	383	142 B	211	281	44.7	180 B, E	85.6 B	309	707	221	266	215	119 B	
7440-36-0	Antimony	3	(µg/L)	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	
7440-38-2	Arsenic	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	
7440-39-3	Barium	1,000	(µg/L)	63.4 B	37.3 B	43.2 B	76.9 B	71.6 B	68.2 B	210	114 B	44.7 B	48.4	60 B	50.6 B	48.5 B	37.6 B	39.4 B	
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	
7440-43-9	Cadmium	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.37	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	
7440-47-8	Chromium	50	(µg/L)	ND	ND	ND	ND	ND	5 B, E	4 B	ND	ND	1.4	ND	ND	ND	ND	ND	
7440-48-4	Cobalt	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.1	ND	ND	ND	ND	ND	
7440-50-8	Copper	200	(µg/L)	2 B	1.7 B	2.1 B	0.96 B	1.2 B	1.3 B	4.1 B	0.7 B	0.88	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	
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	
7439-95-4	Magnesium	25,000 (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	
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	
7439-97-6	Mercury	0.7	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.15	ND	ND	ND	ND	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	
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	
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	
7440-22-4	Silver	50	(µg/L)	0.65 B	ND	ND	ND	ND	ND	ND	ND	ND	1	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	
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	
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	
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	
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	

Notes:

¹ - Standard is for Chlordane (CAS 57-74-9).

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.

* = LCS or LCSD is outside acceptance limits.



Appendix B-3

Sump Historically Detected Compounds

Cherry Farm Sump Samples		NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID:	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	S-2	S-2	S-2	
Historically Detected Compounds			Lab Sample ID:	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	480-141984-11	480-155595-7	480-167686-3	480-177100-5
			Source:	LSL-BL	TA	TA	TA	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	480-125448	480-141984	480-155595	480-167686	480-177100
			Matrix:	Water	Water	Water	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	10/8/2017	9/17/2018	6/26/2019	3/18/2020	10/22/2020
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	14 J	ND	ND	
71-43-2	Benzene	1	(µg/L)	ND	ND	ND	0.49 J	ND	ND	ND	0.44 J	ND	ND	ND	0.80 J	ND	0.43 J	ND	0.64 J	ND	ND	
75-15-0	Carbon disulfide	60 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.42 J	ND	ND	ND	ND	ND	ND	
108-90-7	Chlorobenzene	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	1.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
75-00-3	Chloroethane	5	(µg/L)	ND	ND	ND	ND	ND	ND	0.52 J	ND	ND	ND	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	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	-	-	-	-	
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	23	ND	19	
100-41-4	Ethylbenzene	5	(µg/L)	ND	ND	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)	ND	ND	ND	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	2.2 J	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	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	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	2.7 J	ND	1.2 J	
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	ND	ND	4.6	
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	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	41.9	ND	24.8	45.6
SEMIVOLATILES																						
0.58 J	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	0.58 J	ND	ND	
208-96-8	Acenaphthylene	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.47 J	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	0.39 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	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	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	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	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	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	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	0.32 J	ND	0.35 J	
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	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	ND	ND	ND	
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	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	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	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	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	3.5 J	ND	0.66 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	ND	ND	ND	
206-44-0	Fluoranthene	50 (G)	(µg/L)	ND	0.3 J	ND	ND	ND	ND	ND	0.39 J	ND	ND	ND	ND	ND	ND	ND	0.47 J	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	0.53 J	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	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	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	1.2 J	ND	ND	
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	2.5 J	ND	ND	
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	1.9 J	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	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	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	0.91 J	1.2 JB	ND	
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	1.4 J	ND	ND	
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	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	ND	0.89 J	0.57 J	
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	14.17	2.09	0.57	1.54

Notes:
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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-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	S-2	S-2	S-2	
Historically Detected Compounds			Lab Sample ID:	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	480-141984-11	480-155595-7	480-167686-3	480-177100-5
			Source:	LSL-BL	TA	TA	TA	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	480-125448	480-141984	480-155595	480-167686	480-177100
			Matrix:	Water	Water	Water	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	10/8/2017	9/17/2018	6/26/2019	3/18/2020	10/22/2020	
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	ND	ND	
319-84-6	alpha-BHC	0.01	(µg/L)	ND	ND	ND	ND	0.013 QSU, J	ND	ND	ND	ND	0.011 J B	ND	ND	ND	ND	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	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	0.015 JB	ND	
58-89-9	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	0.011 J	0.011 J	ND	0.017 JB	
5103-71-9	alpha-Chlordane	0.05	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.026 J	ND	ND	
5566-34-7	gamma-Chlordane	0.05 ¹	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	0.013 J	0.016 J	ND	ND	ND	ND	ND	ND	ND	ND	
5103-74-2	trans-Chlordane	0.05	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.049 JB	0.040 J	
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	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	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	0.014 J	ND	ND	0.020 J**1	0.011 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	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	0.017 J	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	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	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	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	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	0.014 J	ND	
76-44-8	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	0.018 J	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	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	ND	ND	
Total Pesticides					0.0378	0.0280	0.196	0.024	0.035	ND	ND	0.3469	0.0550	0.0110	ND	0.017	ND	0.025	0.037	0.096	0.319	0.060
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	ND	0.59	ND
12672-29-6	Aroclor-1248	< 0.09	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.24 J	0.19 J	0.31 J	ND	ND	
11096-82-5	Aroclor-1260		(µg/L)	ND	ND	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	0.24	0.19	0.31	ND	0.59	ND
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	310	180 J	160 J	180 J
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	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	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	97	70	49	48
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	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	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	107,000	96,700	60,000	53,000
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	11	ND	ND
7440-48-4	Cobalt	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	0.82 J	ND	ND	ND	ND	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	3.9 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	630	ND	160
7439-92-1	Lead	25	(µg/L)	ND	ND	ND	ND	ND	ND	3.3 J	ND	ND	ND	ND	ND	4.1 J	ND	3.8 J	ND	ND	ND	ND
7439-95-4	Magnesium	35,000 (G)	(µg/L)	70.1 B	77.5 B	ND	ND	ND	2,500	17,600	7,400	430	980	370	57 J	260	ND	ND	ND	300	180 J	230
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	18	ND	13
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	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	4.0 J	ND	2.7 J
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	32,600	48,400	24,700	30,600
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	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	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	53,900	134,000	32,800	65,500
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	4.4	6.1	8.8	5.2
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	65 B	5.4 JB	3.1 J
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	13	46 *	7.3 J	23
Total Inorganics					180,471	143,550	190,979	171,095	175,381	97,661	155,805	168,470	176,589	176,589	214,136	241,676	143,166	199,708	193,924	280,254	117,911	149,765

Notes:
¹ - Standard is for Chlordane (CAS 57-74-9).
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.
* = LCS or LCSD is outside acceptance 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 G5120 OBG 5116 Water 11/20/1997	S-3 H0920 OBG 6847 Water 2/18/1998	S-3 H7393 OBG 7810 Water 5/27/1998	S-3 J8339 OBG 9571 Water 10/21/1998	S-3 M0189 OBG 1489 Water 4/19/1999	S-3 N4873 OBG 3856 Water 11/8/1999	S-3 Q3848 OBG 5490 Water 4/26/2000	S-3 R7148 OBG 7645 Water 12/13/2000	S-3 S7282 OBG 9259 Water 6/19/2001	S-3 T6807 OBG 724 Water 12/11/2001	S-3 V4307 OB 2494 Water 6/17/2002	S-3 Z9835 OB 4203 Water 12/19/2002	S-3 A7428 OB 5716 Water 6/24/2003	S-3 B4290 OB 6968 Water 12/16/2003	S-3 E1070 OB 6968 Water 6/7/2004	S-3 0508015-005A OB 200508 Water 8/2/2005
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	NS	(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	2 J	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	ND	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
56-55-3	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	92 J, D	ND	4 J	1.2 J
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
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	ND	1 J	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 Historically Detected Compounds		NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample ID: Source: SDG: Matrix: Sampled:	S-3 G5120 OBG 5116 Water 11/20/1997	S-3 H0920 OBG 6847 Water 2/18/1998	S-3 H7393 OBG 7810 Water 5/27/1998	S-3 J8339 OBG 9571 Water 10/21/1998	S-3 M0189 OBG 1489 Water 4/19/1999	S-3 N4873 OBG 3856 Water 11/8/1999	S-3 Q3848 OBG 5490 Water 4/26/2000	S-3 R7148 OBG 7645 Water 12/13/2000	S-3 S7282 OBG 9259 Water 6/19/2001	S-3 T6807 OBG 724 Water 12/11/2001	S-3 V4307 OB 2494 Water 6/17/2002	S-3 Z9835 OB 4203 Water 12/19/2002	S-3 A7428 OB 5716 Water 6/24/2003	S-3 B4290 OB 6968 Water 12/16/2003	S-3 E1070 OB 6968 Water 6/7/2004	S-3 0508015-005A OB 200508 Water 8/2/2005
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	ND
319-84-6	alpha-BHC	0.01	(µg/L)	ND	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	ND	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	0.041 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	ND
5103-74-2	trans-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	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	ND	ND	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	0.26
50-29-3	4,4'-DDT	0.2	(µg/L)	ND	ND	ND	ND	0.00077 J, P	ND	0.0052 J, P	ND	ND	0.0058 J	0.0097 J, P	ND	ND	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	0.018 J	ND	0.21	2.4 P	ND	0.092 B, J, P	ND
959-98-8	Endosulfan I	NS	(µg/L)	ND	ND	0.0032 J, P	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	0.033 J, P	0.062 P	ND
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	0.008 J, P	ND	ND	1.6 P	ND	0.0067 J, P	ND	ND
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	ND
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	0.095 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	0.087 J, 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	0.009 J, P
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	0.092 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	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	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	1.0047
PCBs																			
12674-11-2	Aroclor-1016	Sum of all PCBs < 0.09	(µg/L)	ND	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	ND
53469-21-9	Aroclor-1242		(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12672-29-6	Aroclor-1248		(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	13	130 P	5.2 P	ND	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	ND
Total PCBs				ND	ND	0.82	ND	0.52	ND	ND	ND	ND	ND	ND	13	130	5.2	2.8	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	397
7440-36-0	Antimony	3	(µg/L)	10.7 B	2.8 B	5.3 B	12.6 B	5.1 B	4.7 B	3.4 B	8.2 B	4.6 B	3.2 B	2.8 B	3.8 B	2 B	3.2 B	6.2 B	2.6 B
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	5.2 B
7440-39-3	Barium	1,000	(µg/L)	55.2 B	51.2 B	44.4 B	54.8 B	56.6 B	50.3 B	52.3 B	64 B	40 B	38.5 B	32.8 B	36.6 B	37.6 B	31.1 B	34.6 B	36.1 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	ND
7440-70-2	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	86,300
7440-47-8	Chromium	50	(µg/L)	ND	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	ND
7439-89-6	Iron	300	(µg/L)	67.1 B	21.6 B	41.6 B	708	62.3 B	75.8 B	61.6 B	61.4 B	127	40.7 B	36.6 B	61.7 B	127	120	86.6 B	86 B
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	ND
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	72.7 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	0.45 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	0.027 B
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	5.5 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	47,000
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	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	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	67,000
7440-62-2	Vanadium	NS	(µg/L)	20.9 B	13.1 B	14.2 B	5.5 B	16.5 B	12.6 B, E	15.1 B	45 B	19.2 B	15.7 B	16.9 B	27.5 B	16 B	16 B	17 B	10.1 B
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	9.8 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	39.9
Total Inorganics				231,378	226,865	210,419	184,548	242,908	240,331	285,145	311,461	268,356	245,327	214,671	189,839	217,322	175,632	209,793	200,965

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	DUP (S-3)	S-3	S-3	S-3	S-3	DUP (S-3)	S-3	DUP (S-3)			
Historically Detected Compounds				0603095-004A LSL-BL 6030950 Water 3/21/2006	A7E985013 TA A07-E985 Water 12/27/2007	A8E30607 TA A08-E150 Water 11/10/2008	RSI0312-03 TA RSI0296 Water 9/9/2009	RTF0860-04 TA RTF0798 Water 6/11/2010	480-2227-3 TA 480-2185 Water 3/4/2011	480-14339-3 TA 480-14339 Water 12/21/2011	480-23637-3 TA 480-23637 Water 8/8/2012	480-38452-1 TA 480-38452 Water 5/16/2013	480-56862-3 TA 480-38452 WATER 3/28/2014	480-70664-5 TA 480-38452 WATER 11/4/2014	480-83621-6 TA 480-83621 WATER 7/9/2015	480-101880-4 TA 480-101880 WATER 6/17/2016	480-114997-7 TA 480-114997 WATER 3/23/2017	480-114997-8 TA 480-114997 WATER 3/23/2017	480-125448-2 TA 480-125448 WATER 10/4/2017	480-141984-12 TA 480-141984 WATER 9/17/2018	480-155595-8 TA 480-155595 WATER 6/26/2019	480-167686-4 TA 480-167686 WATER 3/18/2020	480-167686-5 TA 480-167686 WATER 3/18/2020	480-177100-6 TA 480-177100 WATER 10/22/2020	480-177100-7 TA 480-177100 WATER 10/22/2020		
CAS NO.	COMPOUND			UNITS:																							
VOLATILES				50 (G)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)		
67-64-1	Acetone			2 J, B	ND	ND	ND	2.1 J	ND	ND	ND	ND	3.3 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
71-43-2	Benzene	1		ND	ND	ND	ND	ND	ND	ND	ND	0.50 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
75-15-0	Carbon disulfide	60 (G)		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
108-90-7	Chlorobenzene	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
75-34-3	1,1-Dichloroethane	5		2 J	ND	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	1.6 J	1.8 J	1.3 J	1.5 J	2.0		
156-59-2	cis-1,2-Dichloroethene	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
540-59-0	1,2-Dichloroethene (total)	NS		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.4 J	1.1 J	1.3 J	2.0 J	ND	ND	ND	ND		
100-41-4	Ethylbenzene	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
108-10-1	4-Methyl-2-pentanone	NS		1 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
75-09-2	Methylene chloride	5		1 J, B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.4 J	2.1 J	ND	ND	ND	ND		
127-18-4	Tetrachloroethene	5		ND	ND	ND	ND	ND	ND	ND	0.49 J	ND	ND	0.39 J	ND	0.48 J	ND	0.54 J	ND	ND	ND	ND	ND	ND	ND		
108-88-3	Toluene	5		ND	ND	ND	ND	ND	ND	0.67 J	0.68 J	0.94 J	ND	ND	0.69 J	ND	0.53 J	ND	ND	ND	ND	ND	ND	ND	ND		
79-01-6	Trichloroethene	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
1330-20-7	Xylene (total)	5		ND	ND	ND	ND	1.0 J	ND	0.95 J	1.7 J	2.5	ND	ND	1.7 J	ND	0.66 J	0.72 J	1.4 J	ND	ND	ND	ND	ND	ND		
Total VOCs				6	ND	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	3.7	1.8	1.3	1.5	2.0	1.8	
SEMIVOLATILES				(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)		
95-95-4	2,4,5-Trichlorophenol	NS		ND	ND	ND	ND	ND	ND	ND	ND	ND	0.52 J	ND	ND	ND	ND	0.81 J	0.89 J	1.4 J	ND	ND	2.5 J	0.97 J	ND	1.4 J	
83-32-9	Acenaphthene	20 (G)		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	ND	ND	ND	0.42 J	ND	0.69 J		
208-96-8	Acenaphthylene	NS		ND	0.2 J	0.4 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.39 J	ND	0.48 J	ND	ND	ND	ND	ND		
56-55-3	Benzo[a]anthracene	0.002 (G)		ND	0.2 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
50-32-8	Benzo[a]pyrene	ND		1 J	ND	ND	ND	ND	ND	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)		1 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.65 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
191-24-2	Benzo[g,h,i]perylene	NS		ND	ND	ND	ND	ND	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)		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
117-81-7	bis(2-Ethylhexyl)phthalate	5		6 J	ND	ND	ND	ND	ND	2.6 J B	ND	ND	ND	3.4 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
86-74-8	Carbazole	NS		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 *	ND	ND	ND	ND	ND	0.50 J		
59-50-7	4-Chloro-3-methylphenol	1		-	-	-	-	-	-	-	-	-	-	-	-	3.1 J	ND	ND	ND	ND	ND	ND	ND	ND	ND		
218-01-9	Chrysene	0.002 (G)		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
106-46-7	1,4-Dichlorobenzene	3		-	-	-	-	-	-	-	-	-	-	-	-	0.68 J	ND	ND	ND	ND	ND	ND	ND	ND	ND		
84-74-2	Di-n-butyl phthalate	50		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	ND	ND	ND	ND	ND	ND		
117-84-0	Di-n-octyl phthalate	50 (G)		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.5 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
132-64-9	Dibenzofuran	NS		ND	ND	0.3 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
84-66-2	Diethyl phthalate	50 (G)		ND	ND	0.8 J B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
105-67-9	2,4-Dimethylphenol	1		26	4 J	14	11	8.9	7.3	10	11	18	22	18	11	18	14	14	58	60	ND	25	27	49	53		
131-11-3	Dimethyl phthalate	50 (G)		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.5 J	3.9 J	ND	ND	ND *	ND	ND	ND	ND	ND		
206-44-0	Fluoranthene	50 (G)		ND	0.3 J	0.4 J B	ND	ND	0.44 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
86-73-7	Fluorene	50 (G)		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	ND	ND	ND	0.37 J	ND	0.57 J		
193-39-5	Indeno[1,2,3-cd]pyrene	0.002 (G)		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
91-57-6	2-Methylnaphthalene	NS		ND	0.3 J	0.6 J B	ND	ND	ND	0.70 J	0.67 J	ND	ND	ND	ND	0.66 J	ND	ND	ND	ND	ND	ND	ND	ND	ND		
95-48-7	2-Methylphenol	9 J		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	20 J	8.0 J	9.1	20 J	22			
106-44-5	4-Methylphenol	1		21	1 J	6	7.4 J ID7	22	15	19	6.7 J	16	16	25	3.3 J	ND	22	23	74	40 J	13 J	15	41 J	45			
91-20-3	Naphthalene	10 (G)		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	4.1 J	ND	2.6 J	ND	ND	ND		
85-01-8	Phenanthrene	50 (G)		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	ND	ND	0.59 J	ND	0.81 J	ND		
108-95-2	Phenol	1		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
129-00-0	Pyrene	50 (G)		ND	ND	0.2 J	ND	ND	0.40 J	ND	ND	ND	ND	ND	ND	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	124.1	ND	48.5	56.05	110.0	124.0		

Notes:
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Bold and shaded values exceed the NYSDEC Class GA groundwater standard/guidance value.
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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	DUP (S-3)	S-3	S-3	S-3	S-3	DUP (S-3)	S-3	DUP (S-3)			
Historically Detected Compounds				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	480-141984-12	480-155595-8	480-167686-4	480-167686-5	480-177100-6	480-177100-7		
				LSL-BL	TA	TA	TA	TA	TA	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	480-141984	480-155595	480-167686	480-167686	480-177100	480-177100		
				Water	Water	Water	Water	Water	Water	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	9/17/2018	6/26/2019	3/18/2020	3/18/2020	10/22/2020	10/22/2020		
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	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	ND	ND	0.015 J	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	ND	ND	ND	ND	ND			
58-89-9	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	0.0089 J	ND	0.018 J B	0.018 J B	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	ND	ND	ND	ND	ND	ND		
5103-74-2	trans-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	ND	ND	0.011 J	ND	ND	ND		
72-54-8	4,4'-DDD	0.3	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	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	ND	ND	0.021 J**1	0.016 J**1	0.011 J	0.011 J		
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	ND	0.019 J	0.022 J	0.020 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	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	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	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	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	0.021 J	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	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	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	ND	ND	ND	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	0.0089	0.040	0.083	0.069	0.011	0.011		
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	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	4.2	ND	ND	ND	ND	ND	ND	ND	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	0.61	0.36 J	0.46 J	0.68	ND	0.86	0.93	0.63	0.55	ND		
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	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 *	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	0.68	ND	0.86	0.93	0.63	0.55		
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	380	270	150 J	190 J	290	270		
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	ND	ND	ND	ND	ND	ND		
7440-38-2	Arsenic	25	(µg/L)	4.4 B	5.7 B	7.9 B	ND	7.0 J	ND	ND	6.4 J	5.7 J	ND	ND	7.0 J	ND	ND	ND	ND	ND	ND	6.0 J	ND	6.3 J	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	68	66	39	38	44	43		
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	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	94,100	73,800	61,200	60,500	67,000	66,100		
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	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	ND	2.7 J	ND	2.2 J	2.1 J	1.9 J		
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	62	1,800	29 J	32 J	69	86		
7439-92-1	Lead	25	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.8	ND	3.8 J	ND	3.3 J	3.2 J	3.5 J	ND	ND	ND	ND	ND		
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	81 J	240	2,800	610	600	430	520	ND		
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	1.3 J	110	0.71 J	0.70 J	8.3	9.5		
7439-97-6	Mercury	0.7	(µg/L)	ND	ND	ND	ND	ND	ND	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	19	2.0 J	ND	ND	1.3 J	ND	ND	ND	ND	2.1 J	2.4 J	ND		
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	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



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 G5118 OBG 5116 Water 11/20/1997	S-4 H1025 OBG 6857 Water 2/20/1998	S-4 H7398 OBG 7810 Water 5/28/1998	S-4 Water 10/21/1998	S-4 M0297 OBG 1516 Water 4/21/1999	S-4 N5018 OBG 3880 Water 11/10/1999	S-4 Q4028 OBG 5512 Water 4/28/2000	S-4 R7178 OBG 7645 Water 12/14/2000	S-4 S7279 OBG 9259 Water 6/19/2001	S-4 T6910 OBG 739 Water 12/12/2001	S-4 V4635 OB 2494 Water 6/19/2002	S-4 Z7445 OB 4203 Water 12/17/2002	S-4 A7427 OB 5716 Water 6/23/2003	S-4 B4293 OB 6968 Water 12/16/2003	S-4 E1191 OB 6968 Water 6/9/2004	S-4 0508015-002A OB 6968 Water 8/1/2005
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	1 J	1 J	1 J	0.6 J	1 J
156-59-2	cis-1,2-Dichloroethene	5	(µg/L)	ND	ND	ND	NA	9 J	ND	ND	ND	ND	ND	ND	1 J	2 J	0.8 J	2 J	2 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
108-89-3	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	ND	2 J	36	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-ethyl 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	ND	1 J	3 J	3 J	11	39
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	ND	1 J	ND	2 J
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	ND	ND	2 J	2 J	13
106-44-5	4-Methylphenol	1	(µg/L)	3 J	ND	10	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	22
91-20-3	Naphthalene	10 (G)	(µg/L)	110	ND	110 E	NA	11	ND	ND	ND	ND	ND	ND	2 J	ND	5 J	ND	ND
85-01-8	Phenanthrene	50 (G)	(µg/L)	10 J	ND	8 J	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	1 J	ND	1 J
108-95-2	Phenol	1	(µg/L)	ND	ND	1 J	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2 J
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-Triclorophenol	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:

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 G5118 OBG 5116 Water 11/20/1997	S-4 H1025 OBG 6857 Water 2/20/1998	S-4 H7398 OBG 7810 Water 5/28/1998	S-4 Water 10/21/1998	S-4 M0297 OBG 1516 Water 4/21/1999	S-4 N5018 OBG 3880 Water 11/10/1999	S-4 Q4028 OBG 5512 Water 4/28/2000	S-4 R7178 OBG 7645 Water 12/14/2000	S-4 S7279 OBG 9259 Water 6/19/2001	S-4 T6910 OBG 739 Water 12/12/2001	S-4 V4635 OB 2494 Water 6/19/2002	S-4 Z7445 OB 4203 Water 12/17/2002	S-4 A7427 OB 5716 Water 6/23/2003	S-4 B4293 OB 6968 Water 12/16/2003	S-4 E1191 OB 6968 Water 6/9/2004	S-4 0508015-002A OB 6968 Water 8/1/2005
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'-DDD	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 < 0.09	(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
7440-43-9	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	0.7	(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.

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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	S-4 480-141984-13 TA 480-141984 WATER 9/17/2018	S-4 480-155595-9 TA 480-155595 WATER 6/26/2019	S-4 480-167686-1 TA 480-167686 WATER 3/18/2020	S-4 480-177100-7 TA 480-177100 WATER 10/22/2020
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	19 J	ND	ND	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	1.9 J	ND	0.95 J	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	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	1.5 J	ND	1.1 J	ND
156-59-2	cis-1,2-Dichloroethene	5	(µg/L)	2 J	ND	ND	ND	ND	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	-	-	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	4.7 J	ND	2.1 J	ND
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	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	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	2.4 J	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	ND	ND	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	0.77 J	0.46 J	ND	ND	1.0 J	ND
70-01-6	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	ND	0.46 J	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	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	7.2 J	ND	7.1	1.9 J
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	36.7	ND	12.25	1.9
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	ND	ND	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	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	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	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	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	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	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 *	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	1.0 J	ND	ND	ND	4.8 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	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	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	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	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	ND	ND	ND	ND
106-46-7	1,4-Dichlorobenzene	3	(µg/L)	1 J	ND	ND	ND	ND	ND	0.47 J	ND	1.9 J	0.93 J	ND	ND	ND	ND	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	ND	ND	ND	ND
131-11-3	Dimethyl phthalate	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	1.9 J	ND	1.9 J	3.1 J	ND	ND	1.4 J *	ND	ND	ND	ND
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	8.1 J	ND	19 J	24 J
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	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	ND	ND	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	ND	ND	4.1 J	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	ND	ND	5.3 J	9.2 J
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	ND	ND	5.5 J	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	ND	ND	19 J	7.4 J
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	ND	ND	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	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	ND	ND	ND	ND
120-82-1	1,2,4-Trichlorobenzene	5	(µg/L)	ND	ND	ND	ND	ND	0.52 J	ND	0.54 J	0.90 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
95-95-4	2,4,5-Triclorophenol	NS	(µg/L)	ND	ND	ND	ND	ND	ND	0.66 J	ND	0.52 J	ND	ND	ND	ND	ND	ND	ND	ND	2.5 J	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	12.9	ND	55.4	40.6

Notes:

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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

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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	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	0.0086 J	ND	0.016 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	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	ND	ND	ND	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	0.017 J	ND	ND	ND
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	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	ND	ND	ND	ND
72-54-8	4,4'-DDD	0.3	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.011 J	ND	ND	ND	ND **1	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	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	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	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	ND	ND	0.051	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	ND	ND	ND	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	ND	ND	ND **1	ND
72-20-8	Endrin	NS	(µg/L)	ND	ND	0.029	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
7421-93-4	Endrin aldehyde	5	(µg/L)	0.0068 J, P	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
53494-70-5	Endrin ketone	5	(µg/L)	0.0023 J, P	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.022 J	0.018 JB	ND
76-64-8	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	0.021 J	0.016 J	0.019 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	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	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	0.0466	0.038	0.152	ND
PCBs																						
12674-11-2	Aroclor-1016	Sum of all PCBs < 0.09	(µg/L)	0.96 J	ND	ND	ND	2.0 QSU	2.6	2.7	1.7	ND	1.9	ND	ND	ND	ND	ND	ND	ND	ND	ND
53469-21-9	Aroclor-1242		(µg/L)	ND	0.46 J	1.4	3.5	ND	ND	ND	ND	2.2	ND	ND	ND	ND	ND	0.73	2.6	ND	ND	ND
11141-16-5	Aroclor-1232		(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.6	1.7	0.79	4.4	ND	ND	5.1	2.6
12672-29-6	Aroclor-1248		(µg/L)	ND	ND	ND	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	2.6	ND	5.1	2.6
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	ND	220	650	190 J
7440-36-0	Antimony	3	(µg/L)	3.1 B	ND	ND	ND	ND	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	ND	7.4 J	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	79	15	27	32
7440-41-7	Beryllium	3 (G)	(µg/L)	ND	0.49 B	0.52 B	ND	ND	ND	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	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	246,000	49,700	111,000	117,000
7440-47-8	Chromium	50	(µg/L)	ND	2.5 B	1.6 B	1.2 J	ND	1.0 J	13	ND	1.2 J	ND	ND	1.1 J	ND	ND	3.5 J	ND	1.4 J	6.0	ND
7440-48-4	Cobalt	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.8	ND	ND	ND	ND
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	ND	10	4.5 J	ND
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	620	260	710	83
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	ND	ND	ND	ND
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	11,600	5,500	2,300	4,400
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	400	89	59	110
7439-97-6	Mercury	0.7	(µg/L)	0.21	ND	ND	ND	ND	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	ND	8.5 J	1.3 J	1.8 J	ND	ND	1.6 J	16	310	5.3 J	14	2.1 J	1.6 J
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	105,000	14,900	81,900	74,400
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	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	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	188,000	5,000	201,000	180,000
7440-28-0	Thallium	0.5 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	2.1 J	1.8 J	3.8 J	5.2
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	10 B	140 B	9.0 JB	ND
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	37	9.4 J*	45	22
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	551,753	75,861	397,724	376,243

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	0.02	(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	0.05	(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	0.05	(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	10	(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	Vanadium	NS	(µg/L)	1.2 B	6.4 B	1.2 B	9.5	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 OBG 764 Water 12/13/2001	SW-1 Z7446 OB 4203 Water 12/17/2002	SW-1 B4289 OB 6968 Water 12/16/2003	SW-1 E1194 OB 6968 Water 6/9/2004	SW-1 0603095-001A LSL-BL 6030950 Water 3/21/2006	SW-1 A7E985015 TA A07-E985 Water 12/27/2007
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	0.02	(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	0.2	(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	0.05	(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									
7420-90-5	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	Arsenic	0.2	(µg/L)	5.3 B	6.3 B	3.4 B	8.3 B	4.6 B	8.8 B
7440-39-3	Barium	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	Caesium	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 Groundwater Class GA.

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

NS = No Standard

(G) = Guidance Value

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

B (organics) = The analyte was found in the associated blank, as well as in the sample
J or B (inorganics) = Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.

J (organics) = Indicates an estimated value

Appendix B-4

Surface Water Collection SW-2 and SW-3
Historically Detected Compounds

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

Notes:

NYSDEC June 1998 Ambient Water Quality Standards and Guidance Values for Groundwater Class GA.
Bold and shaded values exceed the NYSDEC 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

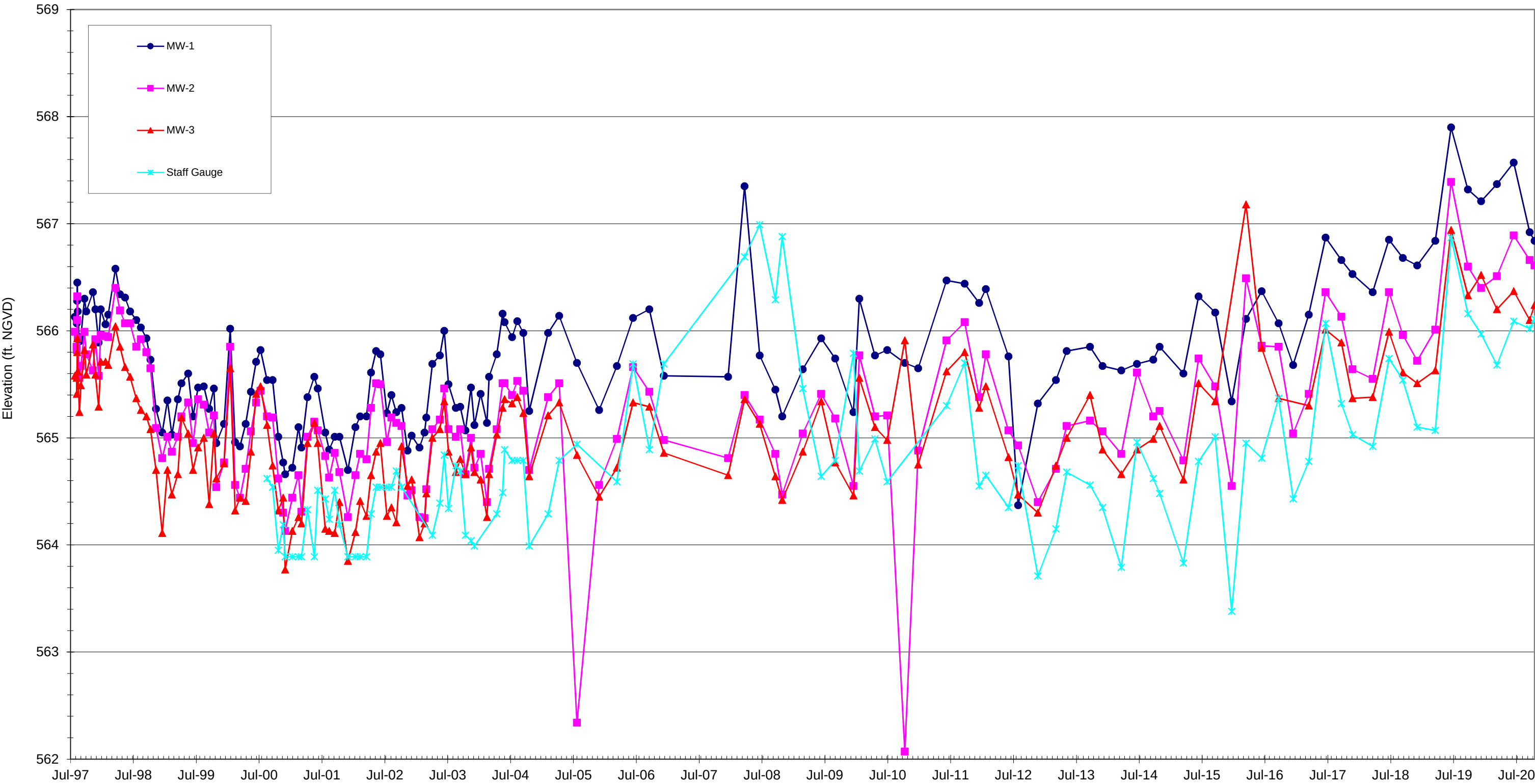


Appendix B-5 Historical Hydrographs (Monitoring Wells, 1997-2020)



Appendix B-5

Historical Hydrograph MW-1, MW-2, MW-3, and Staff Gauge



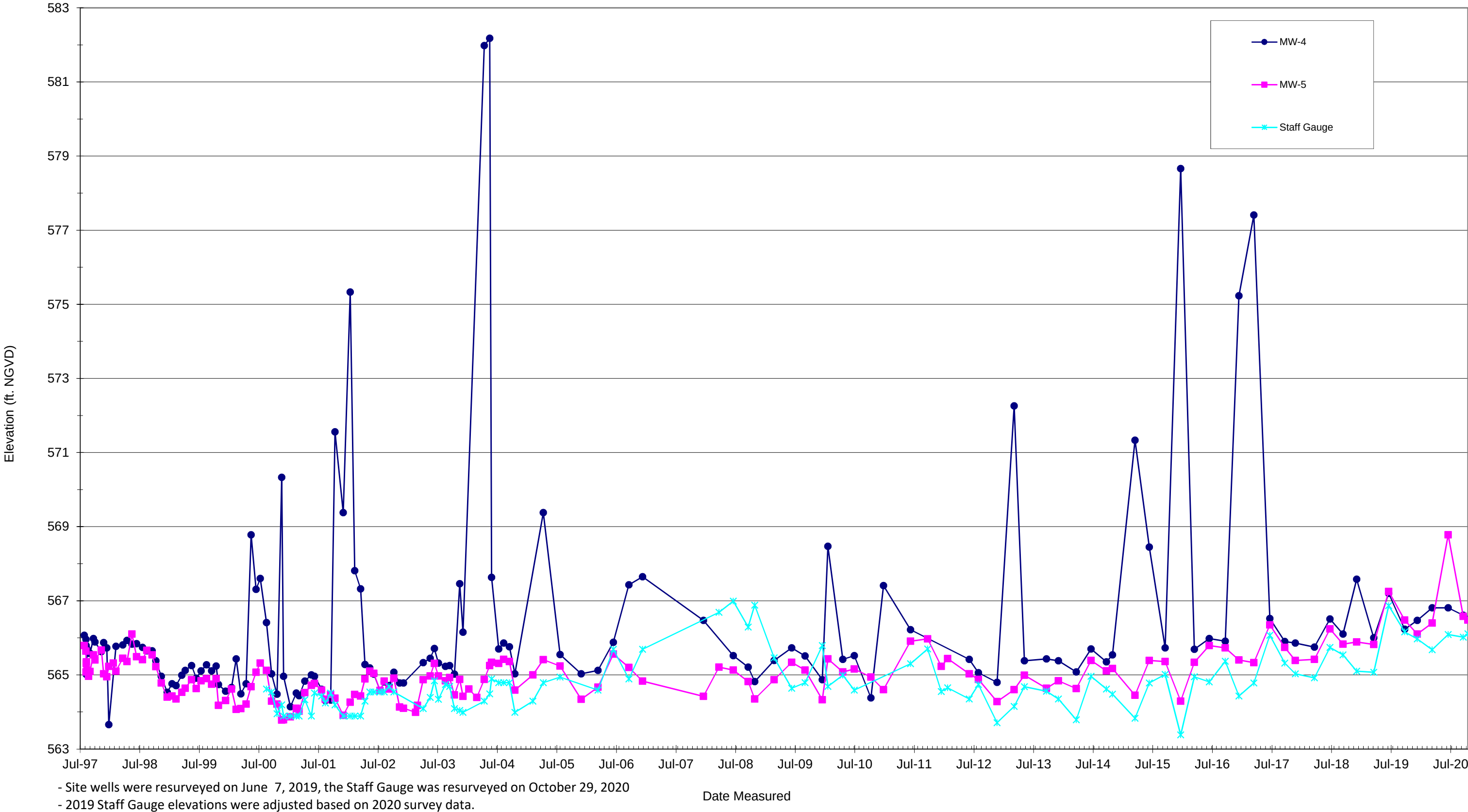
- Site wells were resurveyed on June 7, 2019, the Staff Gauge was resurveyed on October 29, 2020
- 2019 Staff Gauge elevations were adjusted based on 2020 survey data.

Date Measured



Appendix B-5

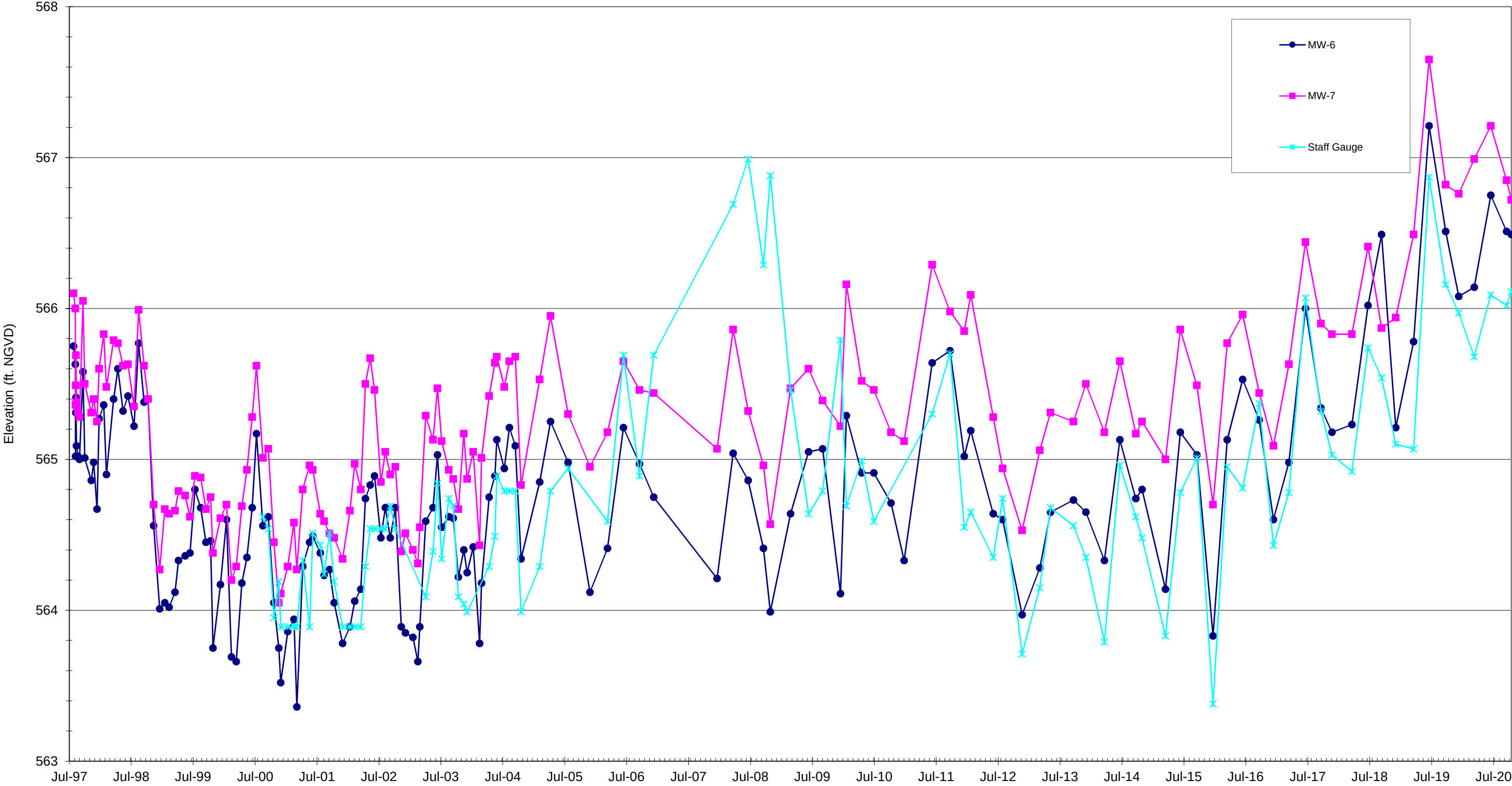
Historical Hydrograph MW-4, MW-5, and Staff Gauge





Appendix B-5

Historical Hydrograph MW-6, MW-7, and Staff Gauge



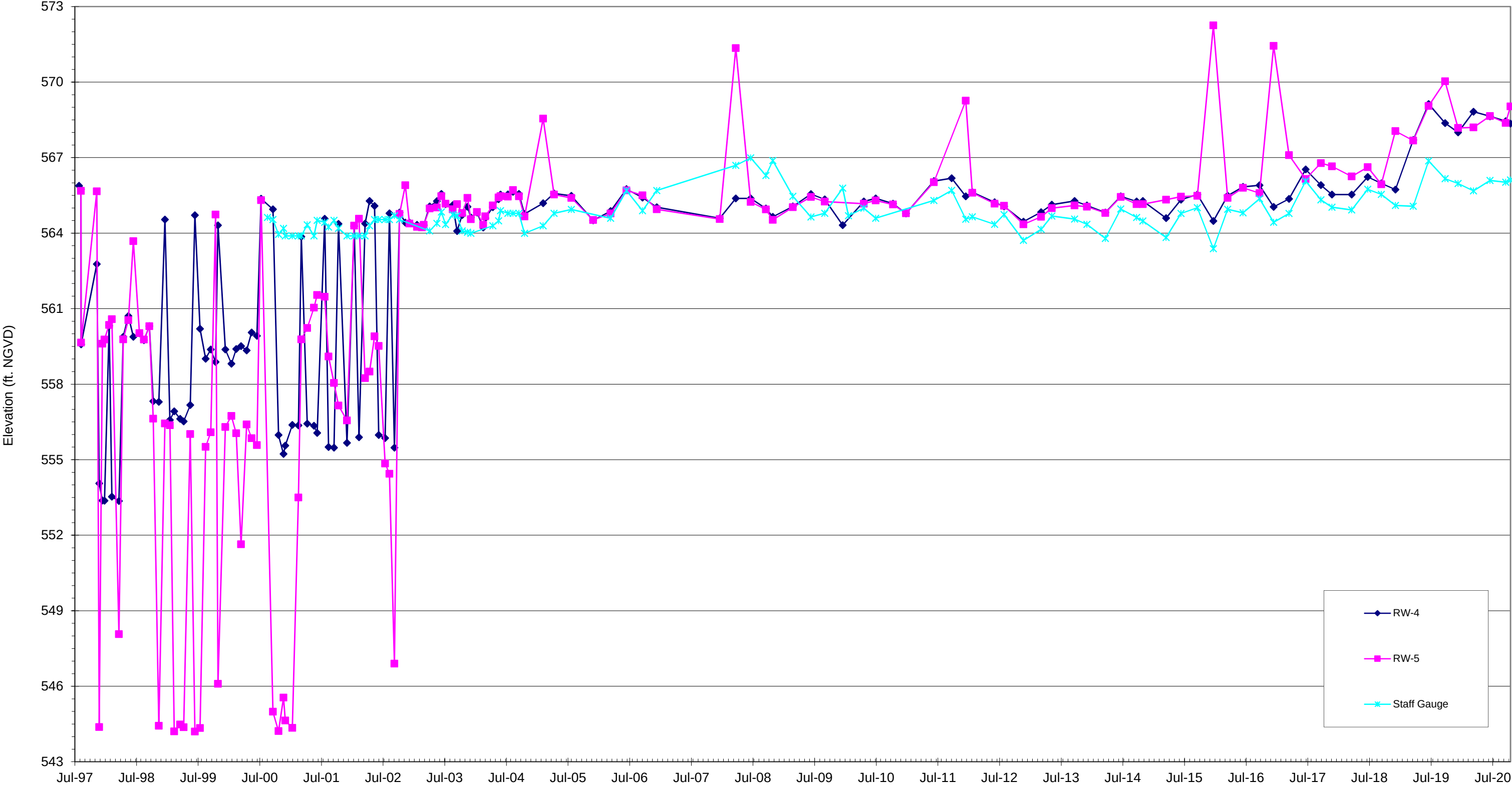
- Site wells were resurveyed on June 7, 2019, the Staff Gauge was resurveyed on October 29, 2020
- 2019 Staff Gauge elevations were adjusted based on 2020 survey data.

Date Measured



Appendix B-5

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



- Site wells were resurveyed on June 7, 2019, the Staff Gauge was resurveyed on October 29, 2020
- 2019 Staff Gauge elevations were adjusted based on 2020 survey data.

Date Measured

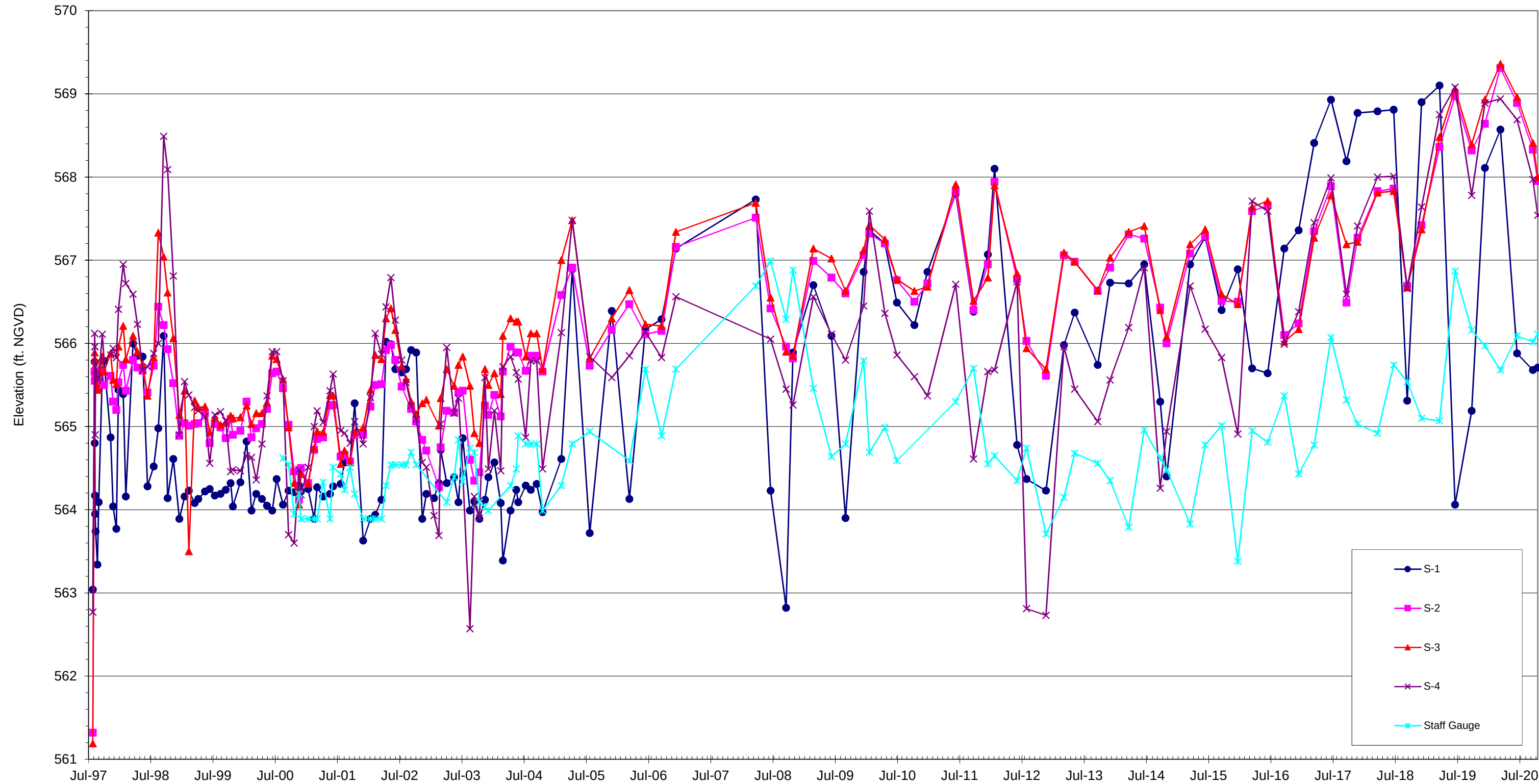


Appendix B-6 Historical Hydrographs (Sumps and Observation Wells, 1997-2020)



Appendix B-6

Historical Hydrograph S-1, S-2, S-3, S-4 and Staff Gauge

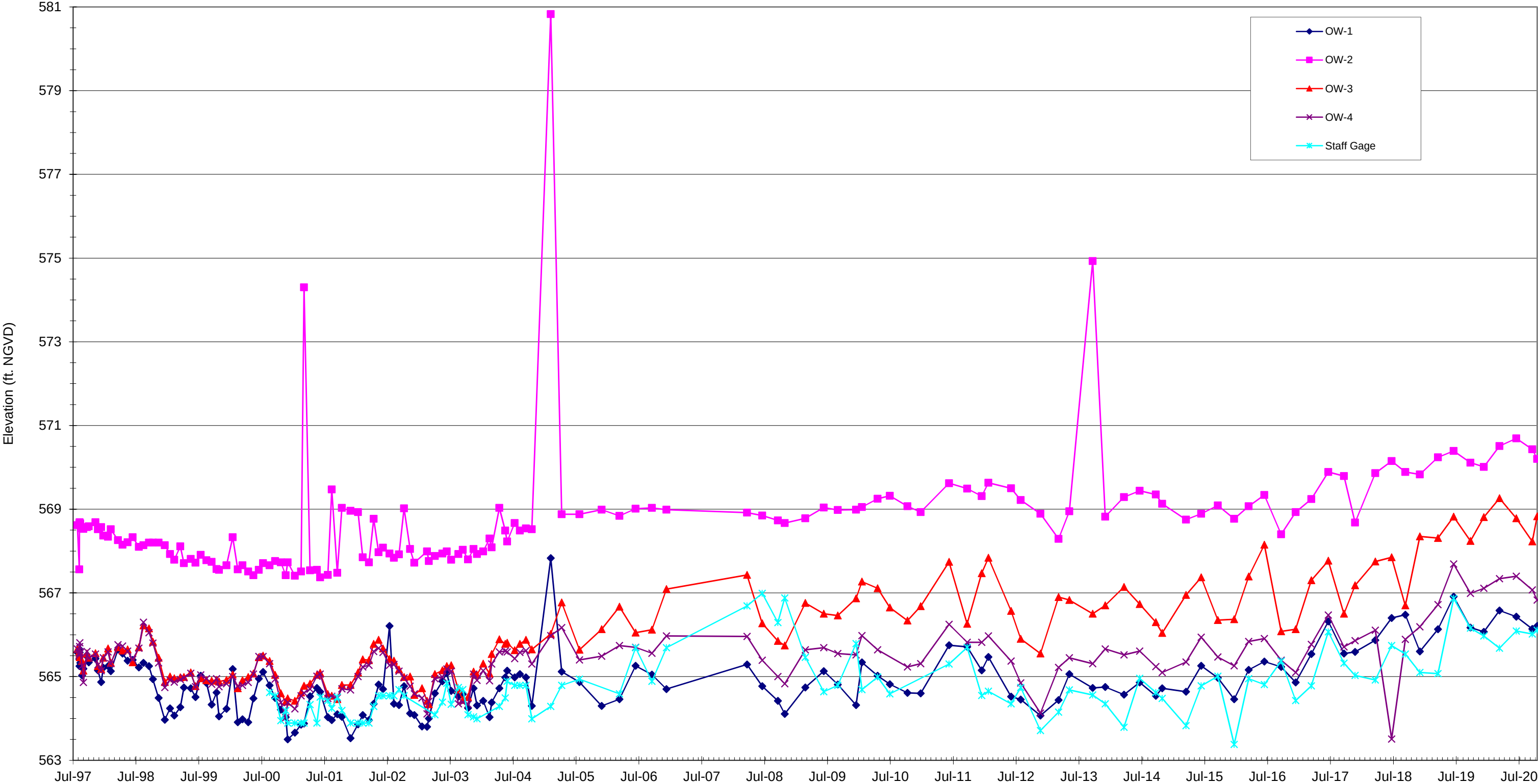


- Site wells were resurveyed on June 7, 2019, the Staff Gauge was resurveyed on October 29, 2020
- 2019 Staff Gauge elevations were adjusted based on 2020 survey data.



Appendix B-6

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

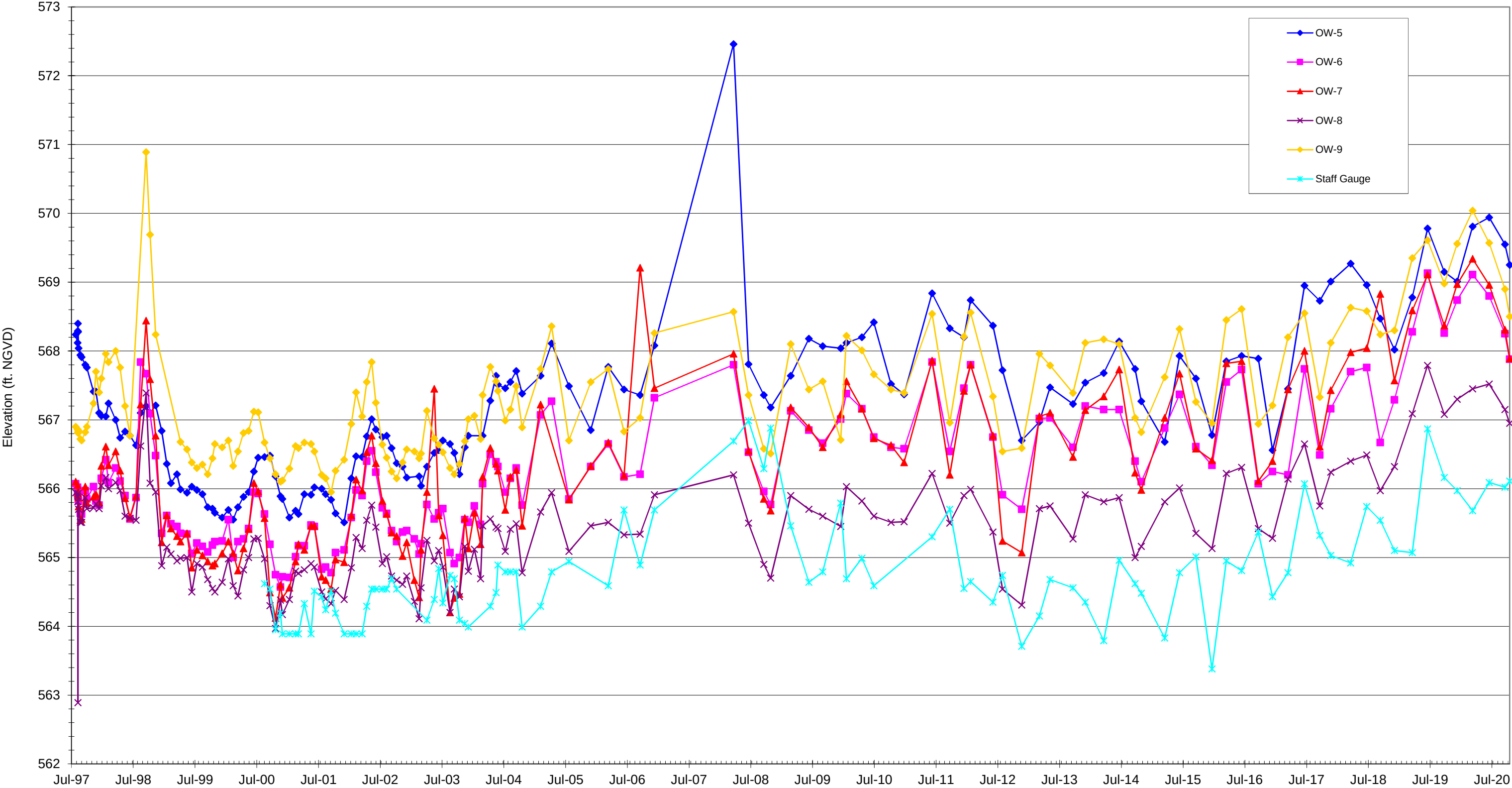


- Site wells were resurveyed on June 7, 2019, the Staff Gauge was resurveyed on October 29, 2020
- 2019 Staff Gauge elevations were adjusted based on 2020 survey data.



Appendix B-6

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



- Site wells were resurveyed on June 7, 2019, the Staff Gauge was resurveyed on October 29, 2020
- 2019 Staff Gauge elevations were adjusted based on 2020 survey data.

Date Measured



Appendix C - March and October 2020 Groundwater Sampling Logs

WELL SAMPLING RECORD

Site Name Well ID

Samplers

Total Well Depth (TOC)	40.50	feet
Initial Static Water Level (TOC)	10.50	feet
Well Diameter	2.0	inches

Purging Data

Method Date/Time

Well depth	DTW	Casing Vol. per foot	Water Volume
40.50	10.50	0.16	4.80

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 gallons

Sampling Data

Method Date/Time

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	8.28	7.83	7.73	7.74
Temp. (°C)	8.83	10.78	10.71	10.93
Spec. Cond. (mS/cm)	1.13	1.28	1.49	1.28
Turbidity (NTU)	5.70	5.24	8.71	7.67

Comments:

PSID:

WELL SAMPLING RECORD

Site Name Cherry Farms Well ID MW-2

Samplers Mike Reisch

Total Well Depth (TOC)	42.35	feet
Initial Static Water Level (TOC)	12.60	feet
Well Diameter	2.0	inches

Purging Data

Method Bailer Date/Time 3/17/2020 11:45

Well depth	DTW	Casing Vol. per foot	Water Volume
42.35	12.60	0.16	4.76

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 3/17/2020 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
pH	7.71	7.73	7.69	7.69
Temp. (°C)	9.53	10.80	11.60	11.86
Spec. Cond. (mS/cm)	0.886	1.230	1.270	1.260
Turbidity (NTU)	12.7	10.8	58.2	102.1

Comments:

PSID:

WELL SAMPLING RECORD

Site Name Cherry Farms Well ID MW-3

Samplers Mike Reisch

Total Well Depth (TOC)	31.30	feet
Initial Static Water Level (TOC)	5.25	feet
Well Diameter	2.0	inches

Purging Data

Method Bailer Date/Time 3/18/2020 08:00

Well depth	DTW	Casing Vol. per foot	Water Volume	
31.30	5.25	0.16	4.17	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 13 gallons

Sampling Data

Method Grab Date/Time 3/18/2020 09:00

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	7.74	7.49	7.50	7.49
Temp. (°C)	8.85	8.85	10.68	10.82
Spec. Cond. (mS/cm)	1.270	1.290	1.160	1.090
Turbidity (NTU)	961	109	23.9	13.1

Comments:

PSID:

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)	17.40	feet
Well Diameter	2.0	inches

Purging Data

Method Bailer Date/Time 3/18/2020 09:10

Well depth	DTW	Casing Vol. per foot	Water Volume	
49.83	17.40	0.16	5.19	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 16 gallons

Sampling Data

Method Grab Date/Time 3/18/2020 09:45

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

Field Parameters	0 Volume	1 Volume	2 Volume	3Vol/Sample
pH	9.11	7.43	7.45	7.48
Temp. (°C)	8.09	10.07	10.32	10.25
Spec. Cond. (mS/cm)	0.172	0.735	1.010	1.100
Turbidity (NTU)	46.2	72.1	59.1	224

Comments:

PSID:

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)	18.12	feet
Well Diameter	2.0	inches

Purging Data

Method Bailer Date/Time 3/18/2020 10:00

Well depth	DTW	Casing Vol. per foot	Water Volume
49.40	18.12	0.16	5.00

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 16 gallons

Sampling Data

Method Grab Date/Time 3/18/2020 10:40

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	7.87	7.45	7.30
Temp. (°C)	10.05	10.63	10.69
Spec. Cond. (mS/cm)	0.615	0.849	0.919
Turbidity (NTU)	42.8	33.1	22.5

Comments:

PSID:

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)	20.00	feet
Well Diameter	2.0	inches

Purging Data

Method Bailer Date/Time 3/17/2020 09:00

Well depth	DTW	Casing Vol. per foot	Water Volume
50.80	20.00	0.16	4.93

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 3/17/2020 10:00

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

Field Parameters	0 Volume	1 Volume	2 Volume	3Vol/Sample
pH	6.89	7.24	7.34	7.38
Temp. (°C)	10.55	10.67	10.78	10.57
Spec. Cond. (mS/cm)	0.749	0.757	0.758	0.752
Turbidity (NTU)	66	11.3	4.8	9.1

Comments:

PSID:

MS/MSD Collected

WELL SAMPLING RECORD

Site Name Cherry Farms Well ID MW-7

Samplers Mike Reisch

Total Well Depth (TOC)	45.45	feet
Initial Static Water Level (TOC)	19.95	feet
Well Diameter	2.0	inches

Purging Data

Method Bailing Date/Time 3/17/2020 10:20

Well depth	DTW	Casing Vol. per foot	Water Volume
45.45	19.95	0.16	4.08

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 12 gallons

Sampling Data

Method Grab Date/Time 3/17/2020 11:00

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	7.88	7.55	7.36	7.35
Temp. (°C)	10.09	11.08	11.34	11.33
Spec. Cond. (mS/cm)	0.520	0.555	0.577	0.605
Turbidity (NTU)	27.7	21.4	17	11.5

Comments:

PSID:

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)	15.60	feet
Well Diameter	10.0	inches

Purging Data

Method Low Flow Pumping Date/Time 3/19/2020 10:40

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 5.5 gallons

Sampling Data

Method Grab Date/Time 3/19/2020 11:45

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	15.54	8.80	11.75	0.136	2.0
	5	15.57	8.15	11.54	0.137	1.8
	10	15.59	7.88	10.16	0.733	1.7
	15	15.61	7.80	10.23	0.134	1.3
	20	15.64	7.64	10.45	0.132	1.1
	25	15.69	7.54	10.57	0.132	1.2
	30	15.72	7.46	10.63	0.131	1.0
	35	15.73	7.39	10.62	0.130	0.8
	40	15.73	7.38	10.84	0.130	0.6
	45	15.73	7.33	10.83	0.130	0.8
	50	15.73	7.30	10.83	0.130	0.6
	55	15.73	7.31	10.84	0.130	0.5
	60					

Comments:

PSID:

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)	15.89	feet
Well Diameter	8.0	inches

Purging Data

Method Low Flow Pumping Date/Time 3/19/2020 13:10

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 3.5 gallons

Sampling Data

Method Grab Date/Time 3/19/2020 13:55

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	15.85	8.70	12.68	0.308	5.20
	5	15.89	9.24	12.76	0.310	4.90
	10	15.95	9.29	13.02	0.310	8.90
	15	15.97	9.30	13.19	0.308	1.40
	20	16.00	9.30	13.40	0.306	0.90
	25	16.03	9.30	13.64	0.303	0.80
	30	16.07	9.29	13.66	0.302	0.60
	35	16.09	9.29	13.68	0.301	0.40

Comments:

PSID:

SUMP WATER SAMPLING RECORD

Site Name Well ID

Samplers

Sample Description

Depth to Water:
Type of water body:
Physical Appearance/Odor:
Color/Stain:

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	9.46
Temp. (°C)	7.34
Spec. Cond. (mS/cm)	0.288
Turbidity (NTU)	16.7

Comments:

PSID:

SUMP WATER SAMPLING RECORD

Site Name Well ID

Samplers

Sample Description

Depth to Water:
Type of water body:
Physical Appearance/Odor:
Color/Stain:

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	13.04
Temp. (°C)	11.2
Spec. Cond. (mS/cm)	0.565
Turbidity (NTU)	6.7

Comments:

PSID:

SUMP WATER SAMPLING RECORD

Site Name Well ID

Samplers

Sample Description

Depth to Water:
Type of water body:
Physical Appearance/Odor:
Color/Stain:

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	12.39
Temp. (°C)	9.14
Spec. Cond. (mS/cm)	0.828
Turbidity (NTU)	0.00

Comments:

PSID:

SUMP WATER SAMPLING RECORD

Site Name	<i>Cherry Farms</i>	Well ID	S-4
Samplers	<i>Mike Reisch</i>		

Sample Description

Depth to Water:	3.25
Type of water body:	Sump
Physical Appearance/Odor:	<i>Slight sheen, no odor</i>
Color/Stain:	None

Sampling Data

Method	<i>Grab</i>	Date/Time	<i>3/18/2020 11:30</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	10.48
Temp. (°C)	9.77
Spec. Cond. (mS/cm)	1.270
Turbidity (NTU)	2.6

Comments:

PSID:

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)	17.71	feet
Well Diameter	2.0	inches

Purging Data

Method Bailer Date/Time 10/22/2020 9:30

Well depth	DTW	Casing Vol. per foot	Water Volume	
49.83	17.71	0.16	5.14	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 16 gallons

Sampling Data

Method Grab Date/Time 10/22/2020 12:45

Parameters	Bottle	Preservation	Method
VOC	3x 40 ml	1:1 HCl	Grab
SVOC	2x 250 mL	None	Grab

Field Parameters

	0 Volume	1 Volume	2 Volume	3Vol/Sample
pH	7.20	6.96	7.02	6.95
Temp. (°C)	12.2	10.9	10.7	10.7
Spec. Cond. (mS/cm)	1.28	1.45	1.50	1.67
Turbidity (NTU)	9.80	34.23	68.76	64.88

Comments:

PSID:

WELL SAMPLING RECORD

Site Name Well ID

Samplers

Total Well Depth (TOC)	49.40	feet
Initial Static Water Level (TOC)	18.02	feet
Well Diameter	2.0	inches

Purging Data

Method Date/Time

Well depth	DTW	Casing Vol. per foot	Water Volume
49.40	18.02	0.16	5.02

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 gallons

Sampling Data

Method Date/Time

Parameters	Bottle	Preservation	Method
VOC	3x 40 ml	1:1 HCl	Grab
SVOC	2x 250 mL	None	Grab

Field Parameters

	0 Volume	1 Volume	2 Volume	3Vol/Sample
pH	6.95	6.84	6.82	6.79
Temp. (°C)	12.3	11.1	10.9	10.7
Spec. Cond. (mS/cm)	1.23	1.24	1.24	1.24
Turbidity (NTU)	5.4	20.56	9.1	6.28

Comments:

PSID:

WELL SAMPLING RECORD

Site Name Well ID

Samplers

Total Well Depth (TOC)	50.80	feet
Initial Static Water Level (TOC)	19.87	feet
Well Diameter	2.0	inches

Purging Data

Method Date/Time

Well depth	DTW	Casing Vol. per foot	Water Volume
50.80	19.87	0.16	4.95

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 gallons

Sampling Data

Method Date/Time

Parameters	Bottle	Preservation	Method
VOC	3x 40 ml	1:1 HCl	Grab
SVOC	2x 250 mL	None	Grab

Field Parameters

	0 Volume	1 Volume	2 Volume	3Vol/Sample
pH	7.66	6.97	7.06	6.91
Temp. (°C)	13.6	11.7	11.6	11.6
Spec. Cond. (mS/cm)	0.944	0.961	0.967	0.966
Turbidity (NTU)	8.71	23.82	15.2	9.54

Comments:

PSID:

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)	15.75	feet
Well Diameter	10.0	inches

Purging Data

Method Low Flow Pumping Date/Time 10/23/2020 07:45

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
				10-inch	4

Volume of Purge Water Removed 2.64 gallons

Sampling Data

Method Grab Date/Time 10/23/2020 8:45

Parameters	Bottle	Preservation	Method
VOC	3x 40 ml	1:1 HCl	Grab
SVOC	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	15.75	6.30	12.40	0.241	96.1	200
	5	15.77	6.22	12.00	0.241	220.00	200
	10	15.79	6.15	12.10	0.238	3.50	200
	15	15.82	6.07	12.00	0.238	10.60	200
	20	15.88	6.07	12.40	0.237	12.20	200
	25	15.90	6.06	12.60	0.237	13.22	200
	30	15.90	6.09	12.60	0.237	14.40	200
	35	15.90	6.06	12.60	0.237	4.16	200
	40	15.90	6.06	12.60	0.236	3.81	200
	45	15.90	6.06	12.60	0.236	2.5	200
	50	15.90	6.06	12.60	0.24	2.4	200
	55						
60							

Comments:

PSID:

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)	15.10	feet
Well Diameter	8.0	inches

Purging Data

Method Low Flow Pumping Date/Time 10/23/2020 09:00

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

Volume of Purge Water Removed 2.9 gallons

Sampling Data

Method Grab Date/Time 10/23/2020 10:00

Parameters	Bottle	Preservation	Method
VOC	3x 40 ml	1:1 HCl	Grab
SVOC	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	16.10	7.67	14.9	0.542	4.50	200
	5	16.13	7.75	15.4	0.553	8.53	200
	10	16.17	7.77	15.7	0.557	21.40	200
	15	16.20	7.80	15.6	0.559	48.80	200
	20	16.24	7.81	16.1	0.561	72.80	200
	25	16.28	7.82	16.6	0.563	88.10	200
	30	16.30	7.82	16.7	0.562	25.40	200
	35	16.34	7.83	16.9	0.564	16.95	200
	40	16.36	7.84	16.70	0.566	10.28	200
	45	16.37	7.84	16.80	0.563	7.27	200
	50	16.37	7.85	16.80	0.565	7.09	200
	55	16.37	7.85	16.90	0.563	7.08	200
60							

Comments:

PSID:

SUMP WATER SAMPLING RECORD

Site Name Well ID

Samplers

Sample Description

Depth to Water:
Type of water body:
Physical Appearance/Odor:
Color/Stain:

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	7.65
Temp. (°C)	14.7
Spec. Cond. (mS/cm)	0.775
Turbidity (NTU)	4.67

Comments:

PSID:

SUMP WATER SAMPLING RECORD

Site Name	<i>Cherry Farms</i>	Well ID	S-2
Samplers	<i>Mike Reisch</i>		

Sample Description

Depth to Water:	4.47
Type of water body:	Sump
Physical Appearance/Odor:	<i>Clear, no odor</i>
Color/Stain:	<i>Slightly Gritty</i>

Sampling Data

Method	<i>Grab</i>	Date/Time	<i>10/22/2020 12:15</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	11.29
Temp. (°C)	19.2
Spec. Cond. (mS/cm)	0.725
Turbidity (NTU)	3.63

Comments:

PSID:

SUMP WATER SAMPLING RECORD

Site Name Well ID

Samplers

Sample Description

Depth to Water:
Type of water body:
Physical Appearance/Odor:
Color/Stain:

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	10.81
Temp. (°C)	14.2
Spec. Cond. (mS/cm)	1.360
Turbidity (NTU)	2.00

Comments:

PSID:

SUMP WATER SAMPLING RECORD

Site Name Well ID

Samplers

Sample Description

Depth to Water:
Type of water body:
Physical Appearance/Odor:
Color/Stain:

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	9.29
Temp. (°C)	13.8
Spec. Cond. (mS/cm)	1.640
Turbidity (NTU)	2.6

Comments:

PSID:



Appendix D - 2020 Remedial System Monitoring Data and Town of Tonawanda Industrial Sewer Connection Permit

Appendix D

2020 Remedial System Monitoring Data

	Wastewater Discharge Limit	Units	1/6/2020	2/3/2020	3/2/2020	4/6/2020	5/4/2020	6/5/2020	7/6/2020	8/11/2020	9/10/2020	10/5/2020	11/2/2020	12/2/2020
OWS/Influent														
PCBs														
Aroclor 1016	NA	(µg/L)	ND	0.79	0.65	0.6	ND	ND	ND	0.5	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	1.1	ND	6.7	ND	1.4	1.90	ND
Aroclor 1242	NA	(µg/L)	0.59	ND	ND	ND	1.2	ND	0.92	1.3	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)	4.8 J	2.8 J	ND	ND	ND	ND	ND	1.7 J	ND	ND	ND	ND
Between Carbon														
PCBs														
Aroclor 1016	NA	(µg/L)	ND	0.14	0.088	0.11	0.16	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	0.31
Aroclor 1242	NA	(µg/L)	ND	ND	ND	ND	ND	ND	ND	0.270	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
Aroclor 1221	0.065 **	(µg/L)	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
Aroclor 1242	0.065 **	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1248	0.065 **	(µg/L)	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
Aroclor 1260	0.065 **	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TSS	250	(mg/L)	8.9	7.6	7.8	7.5	7.2 HF	7.2 HF	7.0	6.7	6.7	6.7	7.0	7.8
pH	5.0-9.5	(SU)	-	-	-	-	-	-	-	-	-	-	-	-
BOD	250	(mg/L)	-	-	-	-	-	-	-	-	-	-	-	-
SGT TPH	100	(mg/L)	2.9 J F1	5.0 B	4.9 B	ND	ND	3.8 J F1	ND	2.8	ND	ND	ND	ND
Total Cyanide	1.1	(mg/L)	-	-	-	-	0.047	-	-	-	-	-	0.032	-
Total Phosphorous	6	(mg/L)	-	-	-	-	.0091 J	-	-	-	-	-	0.03	-
Total Arsenic	0.5	(mg/L)	-	-	-	-	ND	-	-	-	-	-	ND	-
Total Zinc	4.4	(mg/L)	-	-	-	-	-	-	-	-	-	-	-	-
Effluent Volume	NA	(GPM)	303,319	272,933	218,082	295,797	280,086	284,759	282,509	305,215	313,124	290,675	363,086	319,421

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) = 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.

Permit No. 613

TOWN OF TONAWANDA
INDUSTRIAL SEWER CONNECTION PERMIT

Company Name: Cherry Farm/River Road PRP Group

Division Name (if Applicable) _____

Mailing Address: 415 Lawrence Bell Dr. Suite 6
Street or P.O. Box
Williamsville, NY 14221

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 20, 2020 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, 2020

Expiration Date: December 31, 2022

Permit No. 613

Date: 12/27/19 Signed: Paul K Morrow

Paul Morrow
Town of Tonawanda
Office of the Compliance Coordinator

PART 1 - WASTEWATER DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS

A. LOCALLY DERIVED LIMITATIONS

The industrial user shall comply with the following locally derived effluent limitations effective as of January 1, 2020

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/slugs control/SPCC plan(s) 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. *If an Industrial User knows in advance of the need for a bypass, it shall submit prior notice to the Town, if possible at least ten days before the date of the bypass. An Industrial User shall submit oral notice of an unanticipated bypass or slug discharge that exceeds applicable Pretreatment Standards to the Town within 24 hours from the time the Industrial User becomes aware of the bypass or slug discharge. A written submission shall also be provided within 5 days of the time the Industrial User becomes aware of the bypass or slug discharge. The written submission shall contain a description of the bypass or slug discharge and its cause; the duration of the bypass/ slug discharge, including exact dates and times, and, if the bypass has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the bypass/ slug discharge. The Town may waive the written report on a case-by-case basis if the oral report has been received within 24 hours.*
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. The Industrial User is required to notify the Town immediately of any changes to its facility affecting its potential for slug discharge.*

Permit Number 613

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 self-monitoring reports shall be submitted to the following address by the 25th day of the month following the reporting period:*
Paul Morrow, Pretreatment Coordinator
Wastewater Treatment Facility
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, SS 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. Permittees that sample more frequently than required for surchargeable parameters and have a greater than 30% variation in flow per reportable day will have a flow averaged used for surcharge calculation.*

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, 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*
- g) *Where sanitary sewer discharge is measured as consumed water, the water meter must be certified as per the following schedule: meter size 5/8 to 1 inch every ten years, meter size 1 inch to 4 inch every five years, and meter size 4 inches and larger every year.*

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 sixty (60) days prior to the expiration of the User's Permit. Within thirty (30) 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. 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. Town of Tonawanda Sewer Use Ordinance 2-2000 Article VI 165-33 allows for punitive Administrative fines of up to \$5,000 per day. 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 of any violation Article 6 of the Town Sewer Use Ordinance 2-2000

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: 56.000

Reporting Period: ~~December 31, 2019~~ to December 31, 2020
 January 1, 2020

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 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

Soil Management Plan

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
Monitoring Wells
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 Engineering Control 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. For each Engineering control listed in Box 4, I certify by checking "YES" below that all of the following statements are true:

(a) The 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, Syracuse, NY 13202,
print name print business address

am certifying as National Grid (Owner) (Owner or Remedial Party)

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

Brian Stearns

Digitally signed by Brian Stearns
Date: 2021.02.02 11:07:53 -05'00'

Signature of Owner, Remedial Party, or Designated Representative
Rendering Certification

02/02/2021

Date

EC CERTIFICATIONS

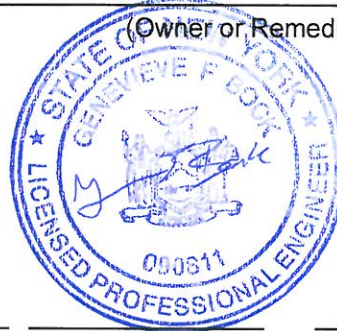
Box 7

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 Genevieve F. Bock, P.E. at GES Engineering of New York, P.C.
89A Cabot Ct, Hauppauge, NY 11788,
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)

2/16/21
Date

Site Details

Site No. 915031

Box 1

Site Name River Road Site

Site Address: 4100 RIVER ROAD Zip Code: 14150
City/Town: Tonawanda
County: Erie
Site Acreage: 23.000

Reporting Period: ~~December 31, 2019~~ to December 31, 2020
January 1, 2020

YES NO

1. Is the information above correct?

X ☐

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?

10

3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?

10 X

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 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**64.08-1-1.1**

Niagara River World Inc. Bonnie Leto

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 ControlsParcelEngineering Control**64.08-1-1.1**Cover System
Fencing/Access Control
Leachate Collection
Monitoring Wells
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

64.08-1-4Fencing/Access Control
Cover System

Parcel

Engineering Control

Monitoring Wells
Groundwater Treatment System
Leachate Collection

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.

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 Engineering Control 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. For each Engineering control listed in Box 4, I certify by checking "YES" below that all of the following statements are true:

(a) The 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

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.

GES Engineering of New York, P.C.
89A Cabot Ct, Hauppauge, NY 11788

I Genevieve F. Bock, P.E. at _____
print name print business address

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



Genevieve F. Bock
Signature of Professional Engineer, for the Owner or
Remedial Party, Rendering Certification

Stamp
(Required for PE)

2/16/21
Date



Appendix F - Waste Disposal Manifests

GENERATOR

INT'L

TRANSPORTER

DESIGNATED FACILITY

NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number NYD038641601	2. Page 1 of 1	3. Emergency Response Phone 800-535-5053	4. Waste Tracking Number 33439
5. Generator's Name and Mailing Address Cherry Farm PRP Group 4100 River Road Tonawanda, NY 14150			Generator's Site Address (if different than mailing address)		
Generator's Phone: 800-287-7857					
6. Transporter 1 Company Name Environmental Service Group, Inc			U.S. EPA ID Number NYD996903904		
7. Transporter 2 Company Name			U.S. EPA ID Number		
8. Designated Facility Name and Site Address American Recyclers Company 177 Wales Avenue Tonawanda, NY 14150			U.S. EPA ID Number NYR000030809		
Facility's Phone: 716.695.6720					
9. Waste Shipping Name and Description		10. Containers		11. Total Quantity	12. Unit Wt./Vol.
		No.	Type		
1. Non RCRA Non DOT Regulated, (Carbon Filter Media)		004	DF	01200	P
2.					
3.					
4.					
13. Special Handling Instructions and Additional Information					
ERG:		Approval #:		Handling Codes:	
1- 1- X-11620L		1- None		24 Hour Emergency Contact:	
2- 2-		2- None		INFOTRAC (Caller Must ID	
3- 3-		3- None		ESG)	
4- 4-		4- None			
14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.					
Generator's/Offor's Printed/Typed Name On behalf of PRP group Lawrence Kersik			Signature 		Month Day Year 1 8 20
15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: Date leaving U.S.:					
16. Transporter Acknowledgment of Receipt of Materials					
Transporter 1 Printed/Typed Name Sean P. Winter			Signature 		Month Day Year 01 08 20
Transporter 2 Printed/Typed Name			Signature		Month Day Year
17. Discrepancy					
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection					
Manifest Reference Number:					
17b. Alternate Facility (or Generator) U.S. EPA ID Number					
Facility's Phone:					
17c. Signature of Alternate Facility (or Generator) Month Day Year					
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in item 17a					
Printed/Typed Name Justin Rainville			Signature 		Month Day Year 01 08 20

DESIGNATED FACILITY TO GENERATOR

3862C PCB

Use print or type.

Form Approved, OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number NYD038641601	2. Page 1 of 1	3. Emergency Response Phone 800-535-5053	4. Manifest Tracking Number 012371771 FLE		
5. Generator's Name and Mailing Address Cherry Farm PRP Group 4100 River Road Tonawanda, NY 14160				Generator's Site Address (if different than mailing address)			
Generator's Phone: 800-287-7857							
6. Transporter 1 Company Name Environmental Service Group, Inc. (NY)				716.695.6720		U.S. EPA ID Number NYD986903904	
7. Transporter 2 Company Name						U.S. EPA ID Number	
8. Designated Facility Name and Site Address Environmental Enterprises, Inc. - PCB 4650 Spring Grove Ave. Cincinnati, OH 45232						U.S. EPA ID Number OH083377010	
Facility's Phone: 513.541.1823							
9a. HM	9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt/Vol.	13. Waste Codes	
		No.	Type				
X	1. RQ, UN3077, Environmentally hazardous substances, solid, n.o.s., 9, III, (Polychlorinated biphenyls)	001	DF	51 022	K	B007	
	2.					PCB2	
	3.						
	4.						
14. Special Handling Instructions and Additional Information 1 - PCBX112470 PCB-006178 ERG: 1- 171 24 Hour Emergency Contact: INFOTRAC (Caller Must ID ESG) ID# CFG19-01 OSD: 12-20-19							
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.							
Generator's/Officer's Printed/Typed Name On behalf of PRP Group Lawrence Reisch						Signature <i>[Signature]</i>	
						Month Day Year 1 8 20	
16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____							
17. Transporter Acknowledgment of Receipt of Materials							
Transporter 1 Printed/Typed Name Sean P. Winter				Signature <i>[Signature]</i>		Month Day Year 01 08 20	
Transporter 2 Printed/Typed Name				Signature		Month Day Year	
18. Discrepancy							
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection							
See Attached Reports						Manifest Reference Number:	
18b. Alternate Facility (or Generator)						U.S. EPA ID Number	
Facility's Phone:							
18c. Signature of Alternate Facility (or Generator)						Month Day Year	
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)							
1. H141		2.		3.		4.	
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in item 18a							
Printed/Typed Name DAVID K McNamee						Signature <i>[Signature]</i>	
						Month Day Year 1 1 20	

**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator ID Number
NYD038641601

2. Page 1 of
1

3. Emergency Response Phone
800-535-5053

4. Waste Tracking Number
35430

5. Generator's Name and Mailing Address
**Cherry Farm PRP Group
4100 River Road
Tonawanda, NY 14150**

Generator's Site Address (if different than mailing address)

Generator's Phone: **800-287-7857**

6. Transporter 1 Company Name
Environmental Service Group, Inc 716.695.6720

U.S. EPA ID Number
NYD986903904

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address
**American Recyclers Company
177 Wales Avenue
Tonawanda, NY 14150**

U.S. EPA ID Number

Facility's Phone: **716.695.6720**

NYR000030809

9. Waste Shipping Name and Description

10. Containers

11. Total
Quantity

12. Unit
Wt./Vol.

No.

Type

1. **Non RCRA Non DOT Regulated, (Carbon
Filter Media)**

002

DF

01000

P

**EST
Weight**

2.

3.

4.

13. Special Handling Instructions and Additional Information

ERG: Approval #:
1- 1-X-116201
2- 2-
3- 3-
4- 4-

Handling Codes: 24 Hour Emergency Contact:
1- None INFOTRAC (Caller Must ID
2- ESG)
3-
4-

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offor's Printed/Typed Name

Thomas Kane on behalf of Cherry Farm PRP Group

Signature

[Signature]

Month Day Year
08 03 20

15. International Shipments

☐ Import to U.S.

☐ Export from U.S.

Port of entry/exit:

Date leaving U.S.:

Transporter Signature (for exports only):

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Sean P. Winter

Signature

[Signature]

Month Day Year
08 03 20

Transporter 2 Printed/Typed Name

Signature

Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space

☐ Quantity

☐ Type

☐ Residue

☐ Partial Rejection

☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)

U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name

Justin Rainville

Signature

[Signature]

Month Day Year
08 03 2020

DESIGNATED FACILITY TO GENERATOR



REPUBLIC
SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

5852755

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is NOT asbestos waste, complete Sections I, II and III

I. GENERATOR (Generator completes la-r)

a. Generator's US EPA ID Number		b. Manifest Document Number		c. Page 1 of	
d. Generator's Name and Location: Cherry Farm PRP Group 4100 River Road Tonawanda NY 14150			e. Generator's Mailing Address: Ensol Inc 681 Main Street Niagara Falls NY 14304		
f. Phone: 716-285-3344			g. Phone: 716-285-3344		
If owner of the generating facility differs from the generator, provide:					
h. Owner's Name:			i. Owner's Phone No.:		
j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No. Type		n. Total Quantity
A. 42151016210	10/23/2020	HDPE Pipe & Sock	1 CM		5 Yds
B.					
C.					
GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.					
p. Generator Authorized Agent Name (Print) Thomas Palmer			q. Signature [Signature]		r. Date 1-30-2020

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address: Heuler, Empire Building Diagnostics #8		
b. Phone: 716-392-4344 9A-329 NY 145-77 MK		
c. Driver Name (Print) Jeff Bray	d. Signature [Signature]	e. Date 1/30/20

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address: Allied Waste Niagara Falls Landfill LLC 5600 Niagara Falls Blvd., Niagara Falls NY 14304		c. US EPA Number	d. Discrepancy Indication Space:
b. I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
e. Name of Authorized Agent (Print) SCOLL		f. Signature [Signature]	g. Date 1/30/2020

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:		c. Responsible Agency Name and Address:	
b. Phone:		d. Phone:	
e. Special Handling Instructions and Additional Information:			
f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable			
OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.			
g. Operator's Name and Title (Print)		h. Signature	
i. Date			
*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both			