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May 2, 2022

Ms. Megan Kuczka
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New York State Department of Environmental Conservation – Region 9
270 Michigan Avenue
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Re: 2021 Annual Periodic Review Report – Revision 2
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 Ms. Kuczka:

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 revised 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, 2021 through December 31, 2021.

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

Sincerely,

Thomas D. Palmer
Sr. Project Manager

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Cherry Farm/River Road Potentially Responsible Parties Group

2021 Annual Periodic Review Report - Revision 2

Cherry Farm/River Road Site
4100 River Road, Tonawanda, New York 14150
NYSDEC Site No. 9-15-063 and 9-15-031

May 2, 2022

File No. 442205

2021 Annual Periodic Review Report – Revision 2

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

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

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Acronyms

BOD	Biochemical Oxygen Demand
Class GA	New York State Ambient Groundwater Standards
DTP	Depth to Product
DTW	Depth to Water
ESG	Environmental Service Group, 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 2021 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, 2021 through December 31, 2021. 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 not sampled during the third quarter of 2021. 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 third (September) quarter of 2021.

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 and TCL SVOCs. A request to modify the annual groundwater sampling program was made to the New York State Department of Environmental Conservation (NYSDEC) on February 28, 2020 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 2021.

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 were performed on a quarterly basis and included inspection of 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, integrity of the cover system, and integrity of the offshore barrier islands and gabion wall. The NYSDEC attended the quarterly Site inspection on November 8, 2021.

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. When required, component replacements were made in-kind to ensure system operation continued as designed.

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) from the effluent and oil and grease and PCBs from the influent. Semi-annual effluent 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**.

Descriptions of significant non-routine maintenance operations performed between January 1 and December 31, 2021 are provided in **Table 2.3**.

Monitoring Summary

Intermediate/Deep Groundwater Sampling – Third Quarter 2021

VOC analytes were not detected in concentrations exceeding Class GA WQSG in intermediate/deep groundwater samples.

SVOC analytes were not detected in concentrations exceeding Class GA WQSG in intermediate/deep groundwater samples.

Shallow Groundwater Sampling – Third Quarter 2021

VOCs were not detected in concentrations exceeding Class GA WQSG in shallow sump samples.

SVOC analytes were not detected in concentrations exceeding Class GA WQSG in shallow sump samples.

Pesticides were not detected in concentrations exceeding Class GA WQSG.

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

- Aroclor-1232 concentration exceeded in S-4 at 3.3 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 1,600 µg/L.
- Sodium concentration exceeded in S-2 at 62,600 µg/L, S-3 at 121,000 µg/L, and S-4 at 173,000 µg/L.

Concentrations of the Resource Conservation and Recovery Act (RCRA)-8 listed metals were below Class GA WQSG in all shallow groundwater samples.

Surface Water Sampling

Surface water was not present in any of the surface water sampling locations during the 2021 sampling events. Surface water sampling has not been conducted since 2007.

Water Level Monitoring

Quarterly water level monitoring was completed on March 8, June 28, September 20, and November 22, 2021. Water table elevations for the monitoring wells, observation wells, and sumps were higher than the water elevation of the Niagara River for the reporting period with the exception of monitoring well MW-3 in June 2021 (elevation reported as 0.02 feet lower than the river elevation). This is consistent with historical trends for the monitoring wells, observation wells, and sumps. 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 2021. There were no deficiencies noted during the inspections.

System Effectiveness

During system operation, the average flow rate for 2021 was approximately 6.50 gallons per minute (gpm). The system up-time for 2021 was approximately 94.0%. Approximately 3,210,523 gallons of groundwater was treated and discharged to the Town of Tonawanda Wastewater Treatment Facility during 2021. Based on the annual sampling data from the remedial system sumps and the total gallons treated and discharged by the system in 2021, approximately 0.007 pounds of VOCs, 0.027 pounds of SVOCs, 0.001 pounds of pesticides, and 0.022 pounds of PCBs were removed in 2021. No LNAPL was recovered by the treatment system in 2021. No surface overflows were observed from the trench during the reporting period.

Reduced groundwater flow was observed from the Sump 1-3 conveyance line in October 2021. GES attempted to address the flow restriction between October and December 2021; however, no significant improvement in the flow from this line was observed and the NYSDEC was notified of the reduced flow from the Sump 1-3 conveyance line on December 27, 2021. Currently Sumps

1-3 remain offline while compressed air and acid is added to the line in an attempt to clear the restriction. During line flushing activities flow from the conveyance line dropped from approximately 4 gallons per minute (gpm) to less than 1 gpm, most likely from loosened scale building up at a narrowed portion of the piping. The reduced flow does not allow proper pump operation, therefore flushing was continued to try to increase flow. Currently Sumps 1-3 remain offline while compressed air and acid is added to the line in an attempt to clear the restriction. A work plan detailing plans to repair or replace a portion of the affected conveyance line will be submitted to the NYSDEC in early 2022, with repair work anticipated for Spring 2022.

1 Introduction

This 2021 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, 2021. 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 Order on Consent (NYSDEC, 1994 amended 1998). 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.

2.3 Potential Future Habitat Restoration

The Niagara River Remedial Advisory Committee has identified the Site as a potential location for enhanced shoreline restoration. In 2021 the NYSDEC contacted National Grid to discuss moving forward with habitat restoration and wetland restoration at the site. In early 2022, the U.S. Environmental Protection Agency allocated funding for a feasibility study and design of restoration work. Audubon Great Lakes is expected to take the lead in managing the project.

3 Program Methodology

3.1 Institutional and Engineering Controls

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

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

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

3.2 Groundwater Quality Monitoring

The monitoring wells and sumps were sampled in accordance with the OM&M manual. Groundwater quality in the intermediate/deep zone was monitored at five (5) locations, including three (3) monitoring wells (MW-4 through MW-6) and two (2) former recovery wells (RW-4 and RW-5). The shallow groundwater quality was monitored at the four (4) sumps (S-1 through S-4) located in the collection trench. The monitoring wells and sumps were sampled on September 23, and 24, 2021. 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 third quarter of 2021. Sample results from 2021 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 2021 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 and TCL SVOCs. Associated QA/QC samples were collected, including one (1) field duplicate, one (1) matrix spike, and one (1) matrix spike duplicate. The purge water and decontamination water were containerized 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 TestAmerica Buffalo 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 2021 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 8, June 28, September 20, and November 22, 2021. 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. No LNAPL was identified in any of the wells during any of the 2022 gauging events. 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**. Below is a summary of groundwater level monitoring program.

- Monitoring wells MW-1 through MW-7, RW-4, and RW-5 are utilized to measure the hydraulic gradient of intermediate/deep groundwater. The water level data collected from the monitoring wells is used to construct groundwater contour maps (**Figures 3.3a** through **3.3d**) 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. Groundwater elevation data from deep wells RW-4 and RW-5 was not used to generate groundwater contours (**Figures 3.3a** through **3.3d**) as they measure a different hydrostratigraphic unit than the intermediate monitoring wells (MW-1 through MW-7).
- 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 attended a formal cap inspection on November 8, 2021. 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; integrity of the cover system; and integrity of the offshore barrier islands and gabion wall.

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. The offshore barrier islands and gabion wall were found to be in good condition.

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.

In October 2021, road repairs including the addition of stone to fill in low areas and raking the road surface were completed to the access road from the LeFarge employee parking area to the system shed main gate. The import request details for the road repairs are located in **Appendix F.**

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) from the effluent and oil and grease and PCBs from the influent. Semi-annual effluent 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 2021 and a copy of the Industrial Sewer Connection Permit for 2020 through 2022 are provided in **Appendix D**.

On May 20, 2021 GES received analytical data from Eurofins TestAmerica indicating an effluent PCB concentration of 0.20 micrograms per liter (µg/L), which is above the discharge permit level of 0.065 µg/L. The Town of Tonawanda was notified of the exceedance, the system effluent (ML-2) was resampled for PCBs and submitted to Eurofins TestAmerica for rush analysis, and then the system was shut down on May 20, 2021. On June 2, 2021 GES, with assistance from Environmental Service Group, Inc. (ESG) of Tonawanda, NY, started a full carbon change of both system liquid granular activated carbon (LGAC) vessels. On June 4, 2021, the system was

restarted after draining, cleaning, re-filling, and rehydrating the carbon vessels. Subsequent ML-2 samples have all been non-detect for PCBs.

In October 2021 GES received analytical data from Eurofins TestAmerica indicating an effluent pH reading of 9.7 standard units, which is above discharge permit level of 9.5. The sample was re-run by the laboratory and the result pH was 7.9 standard units which was in line with system pH readings at the time of sample collection. Subsequent ML-2 samples have been within permit limits for pH.

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. Reduced groundwater flow was observed from the Sump 1-3 conveyance line in October 2021. GES initiated attempts to clear the line including addition of muriatic acid and application of pressurized air on the line between October and December 2021. On November 15, 2021, GES confirmed that there are no constrictions in conveyance lines between Sump 1 to Sump 2, and Sump 2 to Sump 3. Therefore, the flow constriction is present between the treatment building and Sump 3. GES attempts to remove the constriction in the Sump 1-3 conveyance line did not result in any significant improvement; therefore, the NYSDEC was notified of the reduced flow due to the conveyance line constriction (for Sumps 1-3) via electronic mail on December 27, 2021. A work plan detailing plans to repair or replace the affected conveyance line (partial or full replacement between the treatment building and Sump 3) will be submitted to the NYSDEC in early 2022, with repair work anticipated for Spring 2022.

Descriptions of significant non-routine maintenance operations performed between January 1 and December 31, 2021 are provided in **Table 2.3**.

3.7 Waste

On June 2, 2021, 7.48 tons of spent carbon from a complete carbon change out, as well as from a previous partial change out, was pumped out by a vacuum truck and then transported for disposal. The carbon from the complete carbon change out was extracted from the carbon vessels into the vacuum truck. Afterward, carbon from April 2021 partial carbon change out was extracted from drums into the vacuum truck. Extracted carbon was transported to the disposal facility by the vacuum truck. Carbon extraction and transportation was completed by ESG of Tonawanda, New York.

The spent carbon was transported to American Recyclers Company disposal facility in Tonawanda, New York. The waste manifest for is presented in **Appendix G.**

No additional waste was removed from the site during 2021.

4 Monitoring Summary

4.1 Groundwater Quality

Annual sampling was conducted on September 23 and 24, 2021, included the collection of groundwater samples from monitoring wells to assess intermediate/deep groundwater quality and from the sumps located in the shallow collection trench to assess shallow groundwater quality. Groundwater samples were collected from five (5) groundwater monitoring/recovery wells (MW-4 through MW-6, RW-4, and RW-5) and four (4) sumps (S-1 through S-4).

The 2021 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 September 2021 groundwater sampling event 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**) and SVOCs (**Figure 3.1b** and **3.2b**), respectively. Concentration and trend graphs for the sump samples are provided for VOCs (**Figure 3.1c** and **3.2c**), SVOCs (**Figure 3.1d** and **3.2d**), PCBs (**Figure 3.1e** and **3.2e**), pesticides (**Figure 3.1f** and **3.2f**), and Resource Conservation and Recovery Act (RCRA)-8 Metals (**Figure 3.1g** and **3.2g**), respectively. Copies of the groundwater sampling field logs are provided in **Appendix C**.

4.1.1 Intermediate/Deep Groundwater Quality

Intermediate/Deep Groundwater Sampling – September 2021

VOCs were not detected in concentrations exceeding Class GA WQSG in MW-4 through MW-6, RW-4, and RW-5.

SVOCs were not detected in concentrations exceeding Class GA WQSG in MW-4 through MW-6, RW-4, and RW-5.

Intermediate/Deep Groundwater Trends –2021

Total VOC concentration trends at the intermediate wells sampled in September 2021 (MW-4 through MW-6) are either decreasing or indicate that there is “no trend” based on all historic data (**Figure 3.2a**). Total VOC concentration trends at deep wells RW-4 and RW-5 depict a positive slope for the trend line shown in **Figure 3.2a**. However, A Mann-Kendall statistical analysis of the historic total VOC data from RW-4 indicates that the concentrations have “no trend” [RW-4: Mann-Kendall Statistic (S) = 39, Confidence Factor = 87.3%]; and that total VOC data from RW-5 indicates the concentration is “decreasing” (RW-5: S = -58, Confidence Factor 95.7%) 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 VOC concentrations at RW-4 did not exceed Class GA WQSG standards during the September 2021 groundwater sampling event.

SVOC concentrations did not exceed WQSG standards during the September groundwater sampling event. Total SVOC concentration trends at the intermediate wells sampled in September 2021 (MW-4 through MW-6) and at deep well RW-5 are either decreasing or indicate that there is "no trend" based on all historic data (**Figure 3.2b**). The total SVOC concentration trend at deep well RW-4 depicts a positive slope for the trend line shown in **Figure 3.2b.** However, a Mann-Kendall statistical analysis of the historic total SVOC data from RW-4 indicates that the concentrations have "no trend" [RW-4: Mann-Kendall Statistic (S) = 11, Confidence Factor = 61.8%] based on groundwater data since August 2005. Additionally, only one SVOC analyte has been detected above standard on one occasion from RW-4 (naphthalene on March 19, 2020) and SVOC concentrations at RW-4 did not exceed Class GA WQSG standards during the September 2021 groundwater sampling event.

4.1.2 Shallow Groundwater Quality

Shallow Groundwater Sampling – September 2021

VOCs were not detected in concentrations exceeding Class GA WQSG in S-1 through S-4 during the sampling event.

SVOC analytes were not detected in concentrations exceeding Class GA WQSG in shallow sump samples.

Pesticide analytes were not detected in concentrations exceeding Class GA WQSG in samples S-1 through S-4.

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

- Aroclor-1232 concentration exceeded in S-4 at 3.3 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 1,600 µg/L.
- Sodium concentration exceeded in all Sump samples with the exception of S-1. The respective Sodium values were 62,600 µg/L in S-2, 121,000 µg/L in S-3, and 173,000 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 third quarter 2021 sampling event.

Shallow Groundwater Trends – 2021

VOCs were detected at concentrations below Class GA WQSG in all shallow groundwater samples collected during the September 2021 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 3.2c**.

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 (**Figure 3.2d**).

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 based on all historic data (**Figure 3.2e**) 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 3.2e**. A Mann-Kendall statistical analysis of the historical total PCB data from S-4 indicates that total PCB concentrations are "increasing" (S-4: S = 135, Confidence Factor 99.9%) 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 µg/L observed in November 2014 and PCB concentrations over the last 10 years (2012 through 2021) have "no trend" via Mann-Kendall analysis.

Total pesticide concentration trends are stable or decreasing for all sumps based on historic data on **Figure 3.2f**. Pesticides were not detected in concentrations exceeding Class GA WQSG in any shallow groundwater samples collected during the September 2021 sampling event.

Detected metal concentrations are consistent with historical trends. Iron and sodium were exceeded in one (1) or more shallow groundwater samples in 2021.

RCRA-8 metals were below Class GA WQSG in all sump samples collected in 2021. Total RCRA-8 metals concentration trends are stable or decreasing for all sumps based on historic data on **Figure 3.2g.**

4.1.3 Surface Water Quality

Surface water was not present at sampling locations SW-1, SW-2, or SW-3 during the third quarter 2021 sampling event. 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 8 (**Figure 3.3a**), June 28 (**Figure 3.3b**), September 20 (**Figure 3.3c**), and November 22, 2021 (**Figure 3.3d**) 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 2021, groundwater flow direction was observed to be primarily to the west, towards the Niagara River. An unusually high groundwater elevation was observed on November 22, 2021 at monitoring well MW-3; however, groundwater flow direction was still towards the Niagara River.

The 2021 quarterly groundwater elevation data (**Table 2.2**) was consistent with historical levels and trends (**Figures 3.4a-d** and **Appendix B-1**). Water table elevations for the monitoring wells,

observation wells, and sumps were higher than the water elevation of the Niagara River for the 2021 reporting period with the exception of monitoring well MW-3 in June 2021 (elevation reported as 0.02 feet lower than the river elevation).

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 geo-membrane on the down gradient (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 2021 was approximately 6.50 gallons per minute (gpm). The 2021 average flow rate is slightly lower when compared to the average flow rate for 2020 (6.72 gpm), and it is slightly higher than the average flow rate of the system from the previous five (5) years (6.21 gpm between 2016 and 2020). The system up-time for 2021 was approximately 94.0%. Aside from normal down-time for routine maintenance checks, other issues that caused additional down-time included a complete carbon change of both vessels, build-up of scale in the influent flowmeter box and effluent pipe from flowmeter bow to acid tank, and faulty pH probes that were subsequently replaced. Approximately 3,210,523 gallons of groundwater were treated and discharged to the Town of Tonawanda Wastewater Treatment Facility during 2021. Based on the average annual sampling data from the remedial system sumps and the total gallons treated and discharged by the system in 2021, approximately 0.007 pounds of VOCs, 0.027 pounds of SVOCs, 0.001 pounds of pesticides, and 0.022 pounds of PCBs were removed in 2021. Mass removal data is provided in **Table 3.3**. No surface overflows were observed from the trench during the reporting period.

The 2021 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**.

Water table elevations for the nine (9) observation wells and the four (4) sumps in 2021 remained higher than the surface water elevation of the Niagara River (consistent with historical trends) for all 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 September 2021 Intermediate/Deep Aquifer

- In the intermediate/deep groundwater samples from MW-4 through MW-6, RW-4, and RW-5, groundwater concentrations did not exceed Class GA WQSG for any VOCs.
- In the intermediate/deep groundwater samples from MW-4 through MW-6, RW-4, and RW-5, groundwater concentrations did not exceed Class GA WQSG for any SVOCs.
- PCBs were not collected for the September intermediate/deep sampling event.

5.2 September 2021 Shallow Groundwater

VOCs were not detected in concentrations exceeding Class GA WQSG in sump samples during the 2021 sampling event.

SVOC analytes were not detected in concentrations exceeding Class GA WQSG in shallow sump samples.

Pesticides were not detected in concentrations exceeding Class GA WQSG in sump samples during the 2021 sampling event.

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

- Aroclor-1232 concentration exceeded in S-4 at 3.3 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 1,600 µg/L.
- Sodium concentration exceeded in S-2 at 62,600 µg/L, in S-3 at 121,000 µg/L, and in S-4 at 173,000 µg/L.

Concentrations of the RCRA-8 listed metals were below Class GA WQSG in all shallow groundwater samples collected in the 2021 sampling event.

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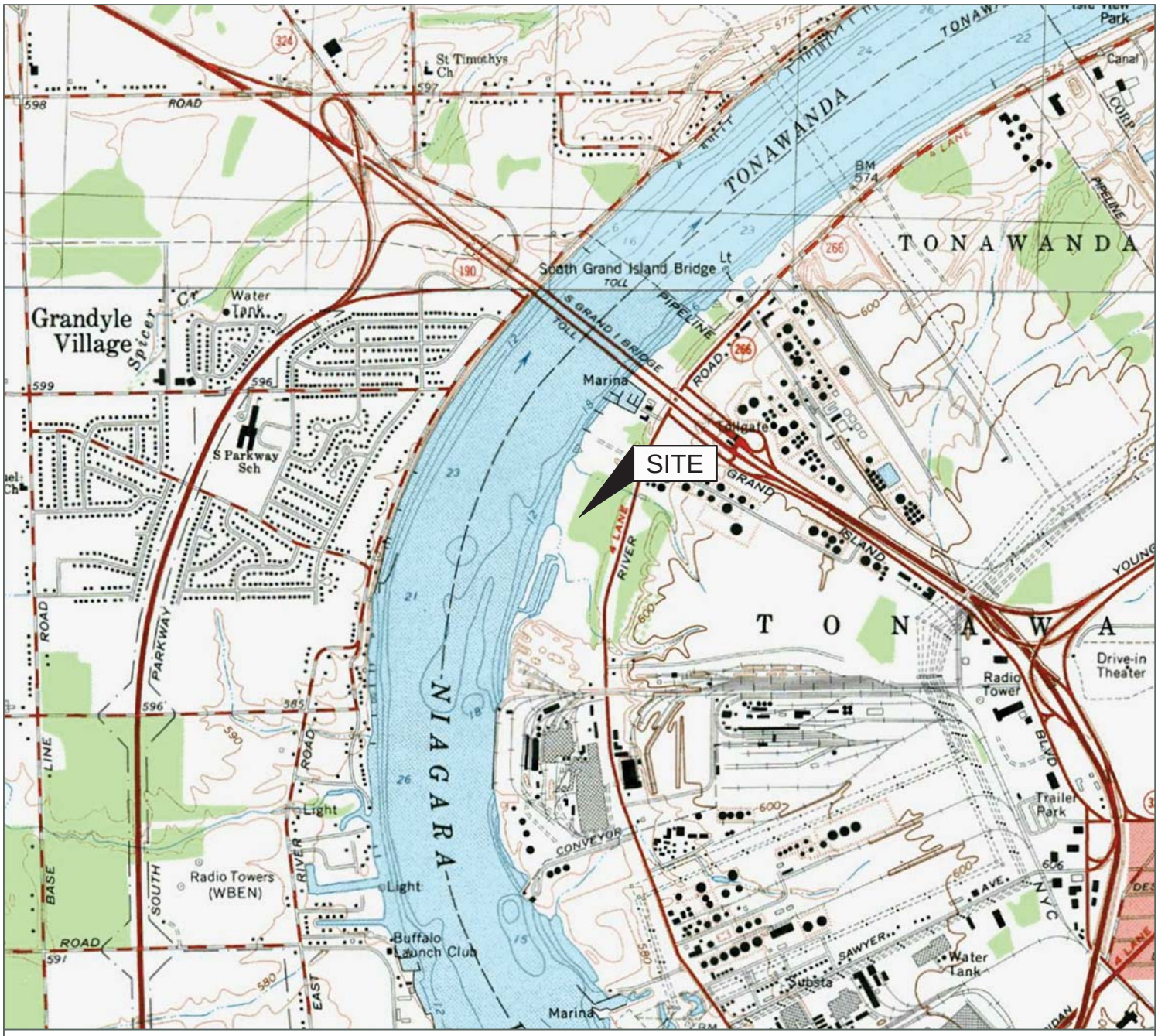
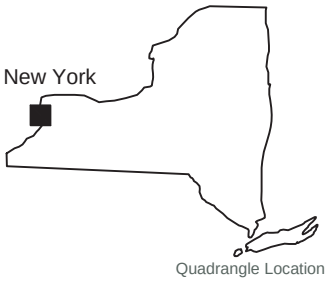
5.3 Other Conclusions/Recommendations

- There was no surface water present in any of the surface water sampling points at the time of the 2021 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 2021 was approximately 6.50 gpm. The 2021 average flow rate is slightly lower when compared to the average flow rate for 2020 (6.72 gpm), and it is slightly higher than the average flow rate of the system from the previous five (5) years (6.21 gpm between 2016 and 2020). The system up-time for 2021 was approximately 94.0%. Approximately 3,210,523 gallons of groundwater were treated and discharged to the Town of Tonawanda Wastewater Treatment Facility during 2021. Based on the annual sampling data from the remedial system sumps and the total gallons treated and discharged by the system in 2021, approximately 0.007 pounds of VOCs, 0.027 pounds of SVOCs, 0.001 pounds of pesticides, and 0.022 pounds of PCBs were removed in 2021. 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, with the exception of the May sample. In June, a complete carbon change was performed and all subsequent discharge samples have been below permit limits. The signed permit is included in **Appendix D**.
- Routine system operation and maintenance shall continue to ensure that the system discharge remains in compliance with the sewer discharge permit.
- Repair or replacement of a portion of the Sump 1-3 conveyance line will be completed in Spring 2022 to restore full flow from Sumps 1 through 3.
    - A formal work plan detailing the proposed replacement activities will be submitted to the NYSDEC in early 2022.
- 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'



Site Location Map

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

Drawn
W.G.S.
Designed

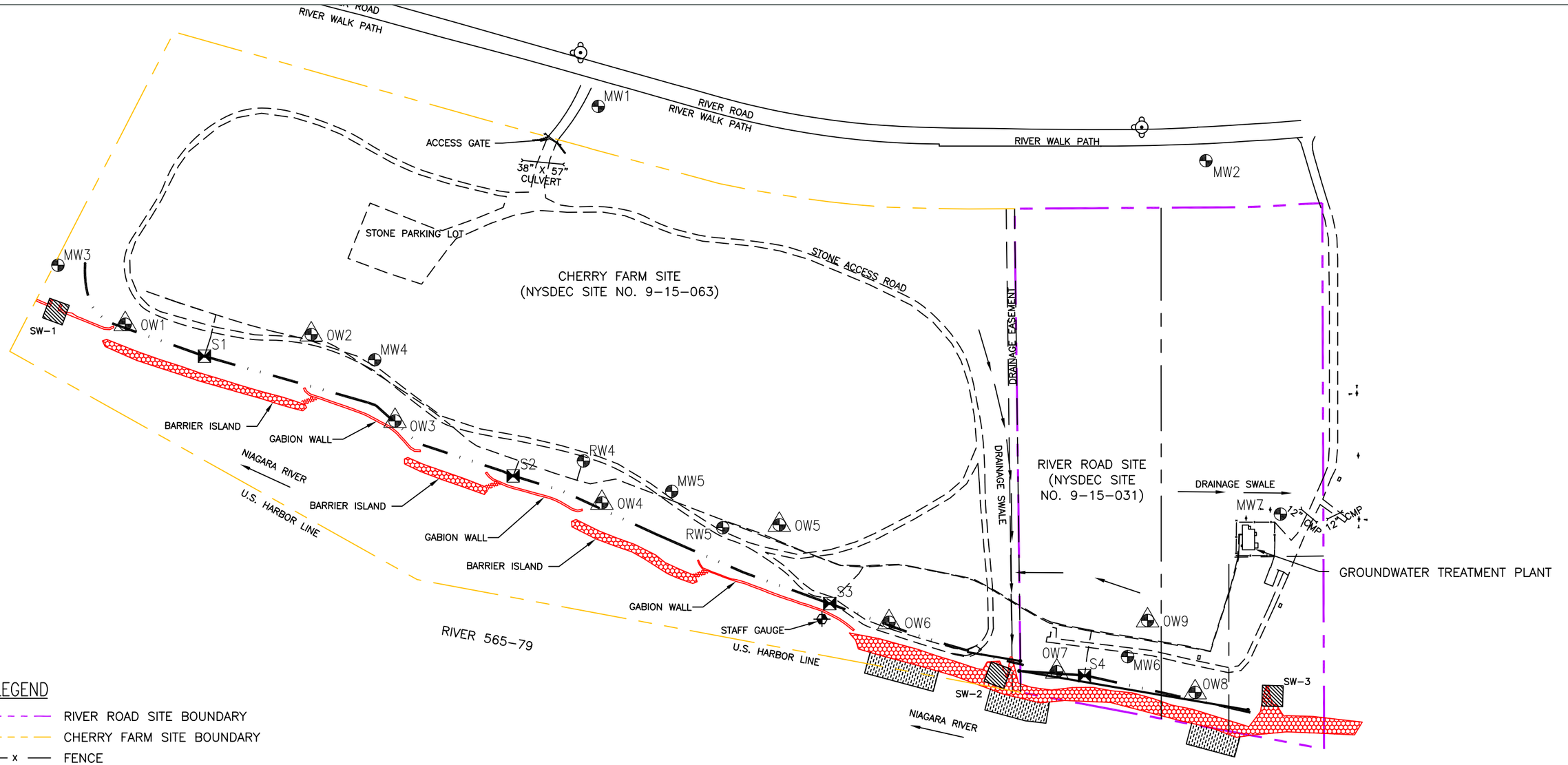
Approved

Date
5/15/18
Figure
1

Scale In Feet
0 2000

Groundwater & Environmental Services, Inc.

M:\Graphics\0900-Buffalo\Misc\Cherry Farms\Tonawanda\Cherry Farms (Tonawanda) SLM.dwg, Template SLM, WShea



LEGEND

- RIVER ROAD SITE BOUNDARY
- CHERRY FARM SITE BOUNDARY
- 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

Approved

Date
3/17/22
Figure
2

Scale In Feet
0 250

Groundwater & Environmental Services, Inc.

Figure 3.1a

Monitoring Well Concentrations - Total VOCs

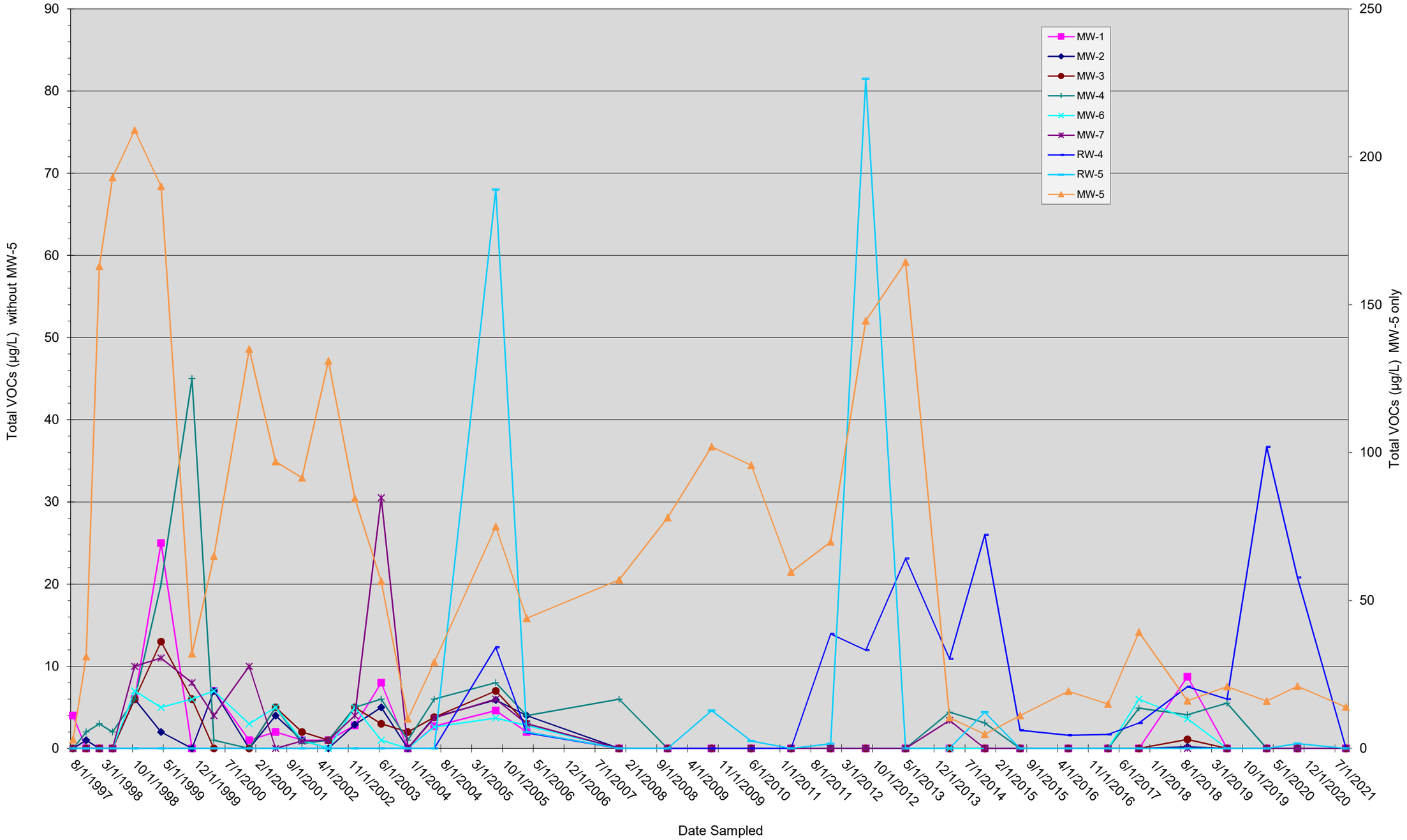


Figure 3.1b

Monitoring Well Concentrations - Total SVOCs

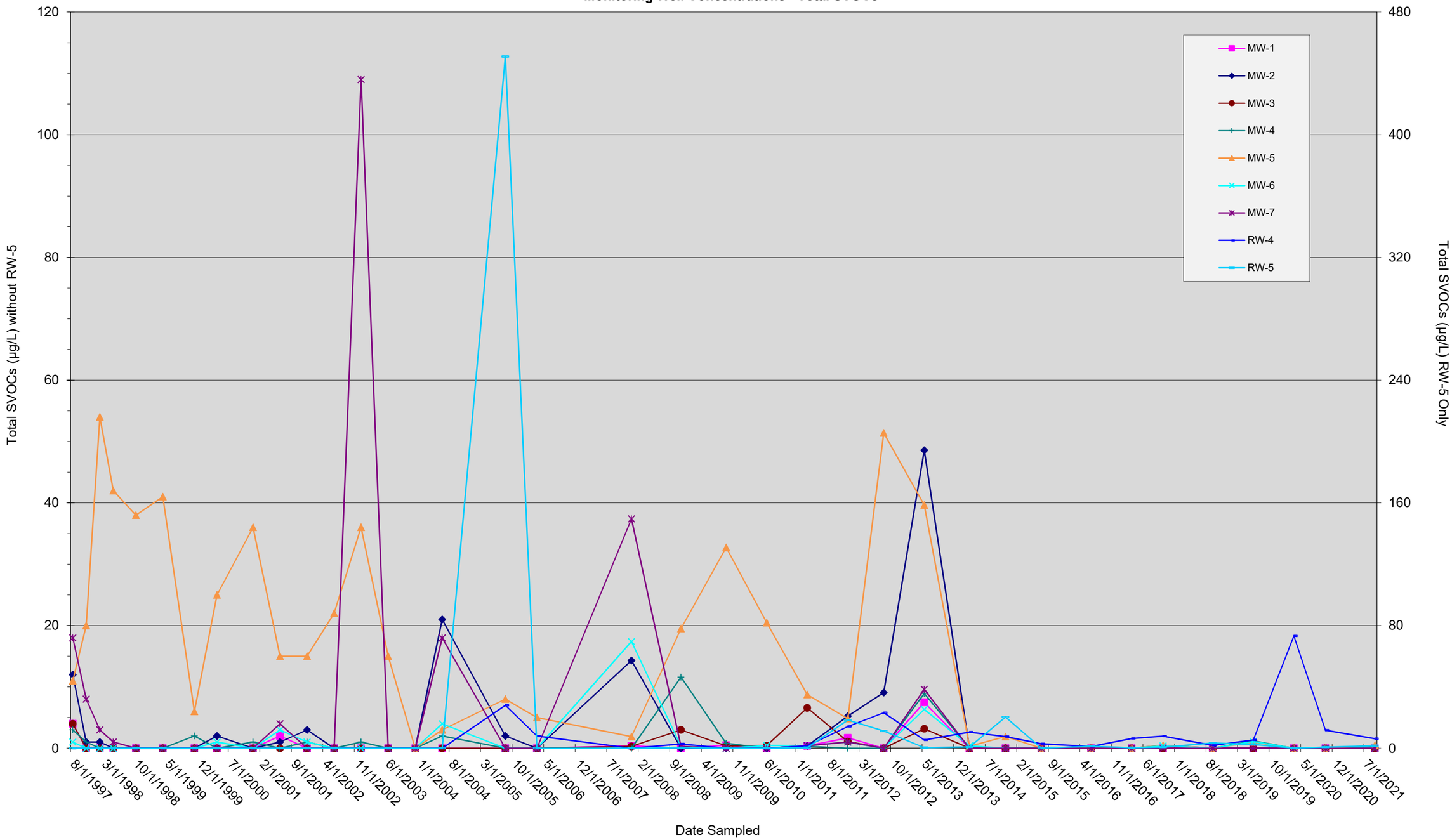


Figure 3.1c

Sump Concentrations - Total VOCs

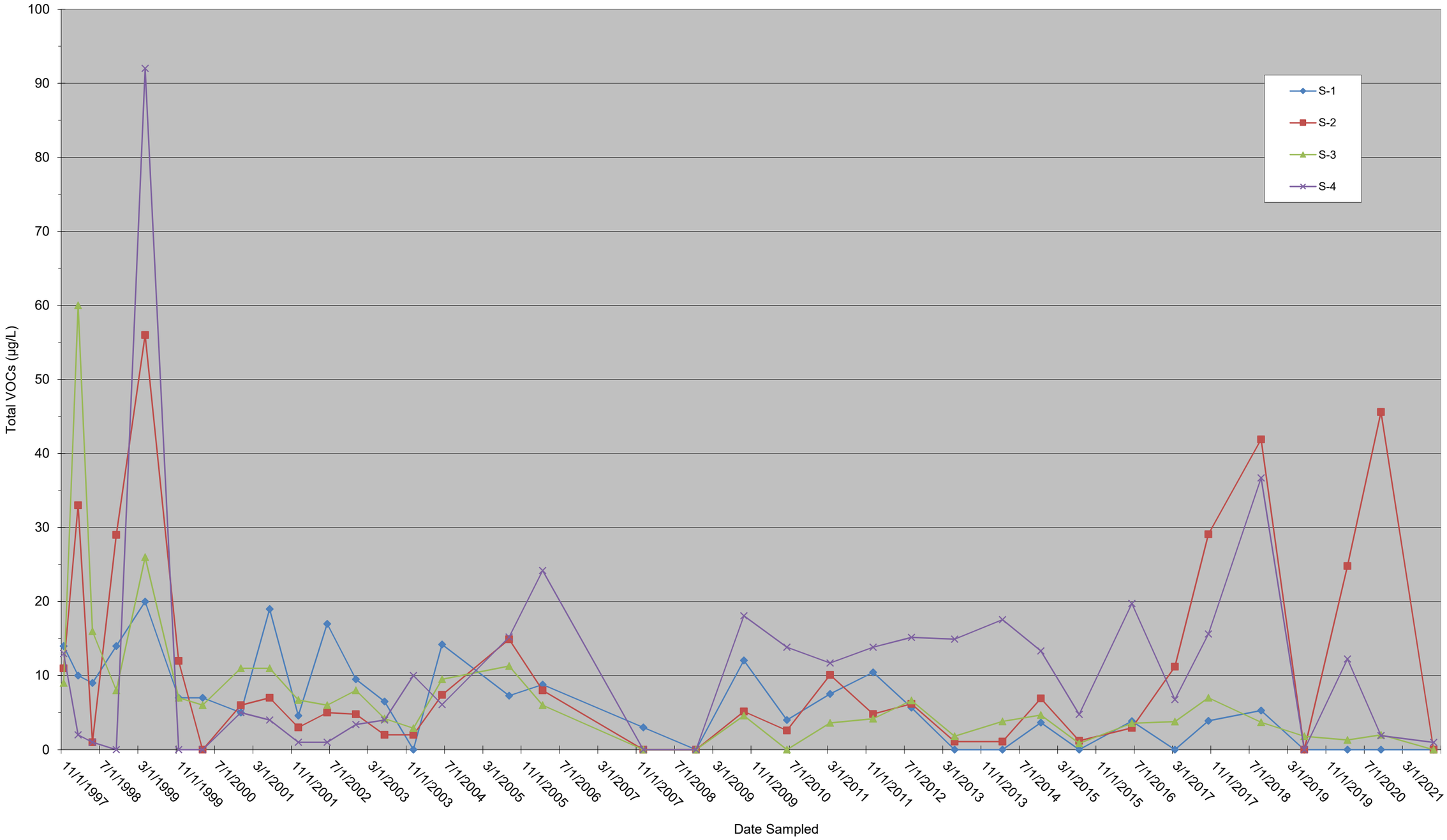


Figure 3.1d

Sump Concentrations - Total SVOCs

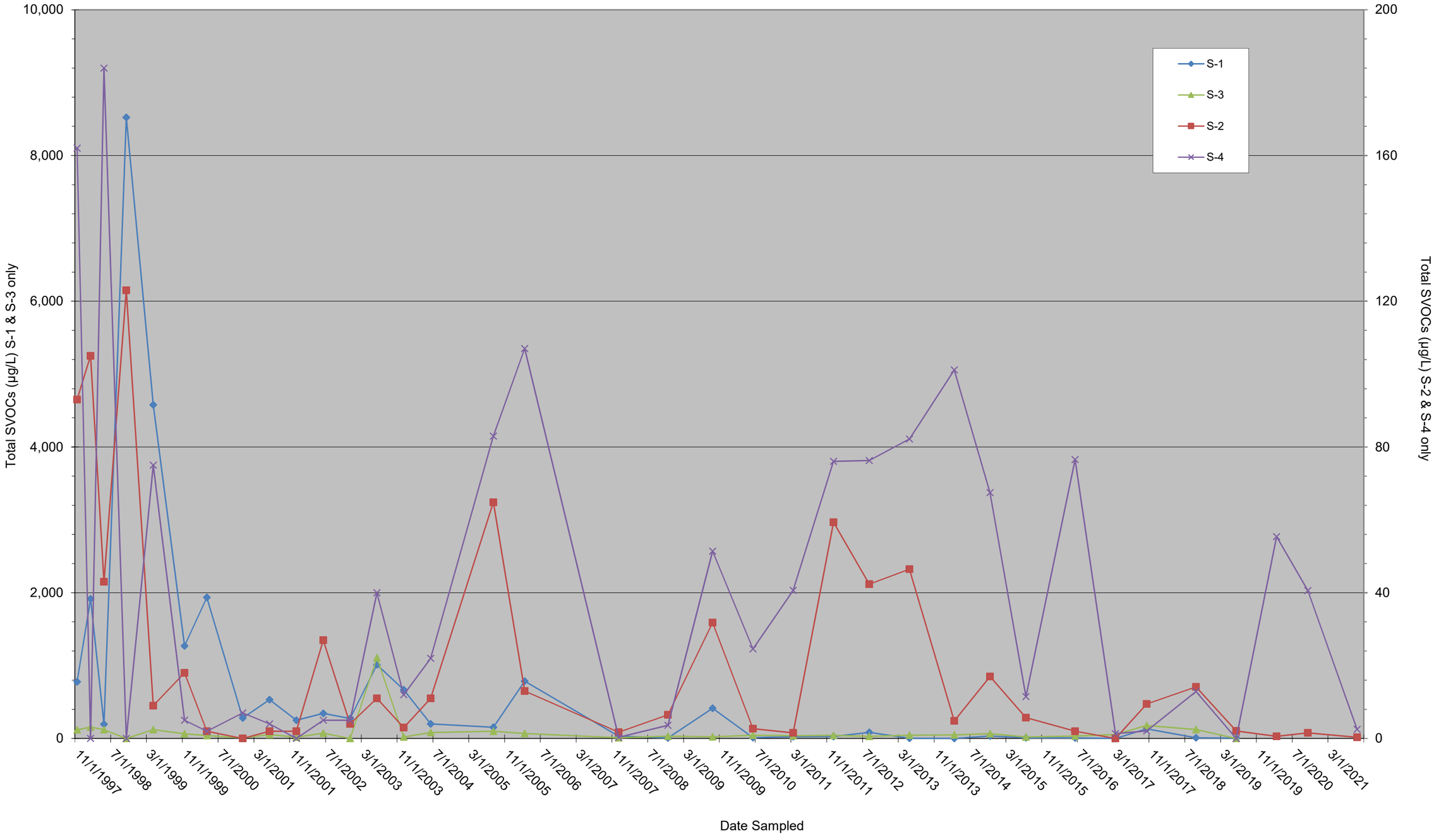


Figure 3.1e

Sump Concentrations - Total PCBs

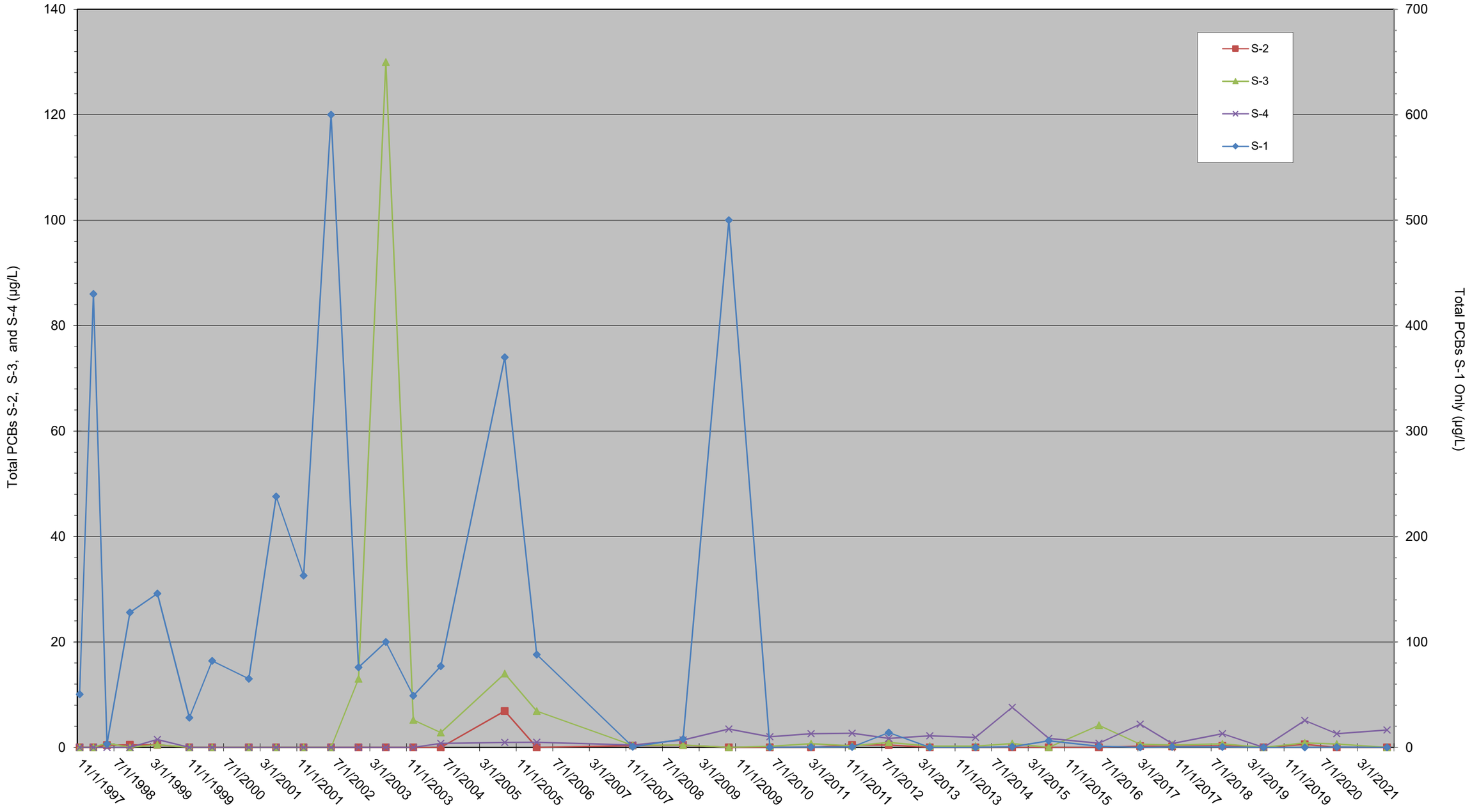


Figure 3.1f

Sump Concentrations - Total Pesticides

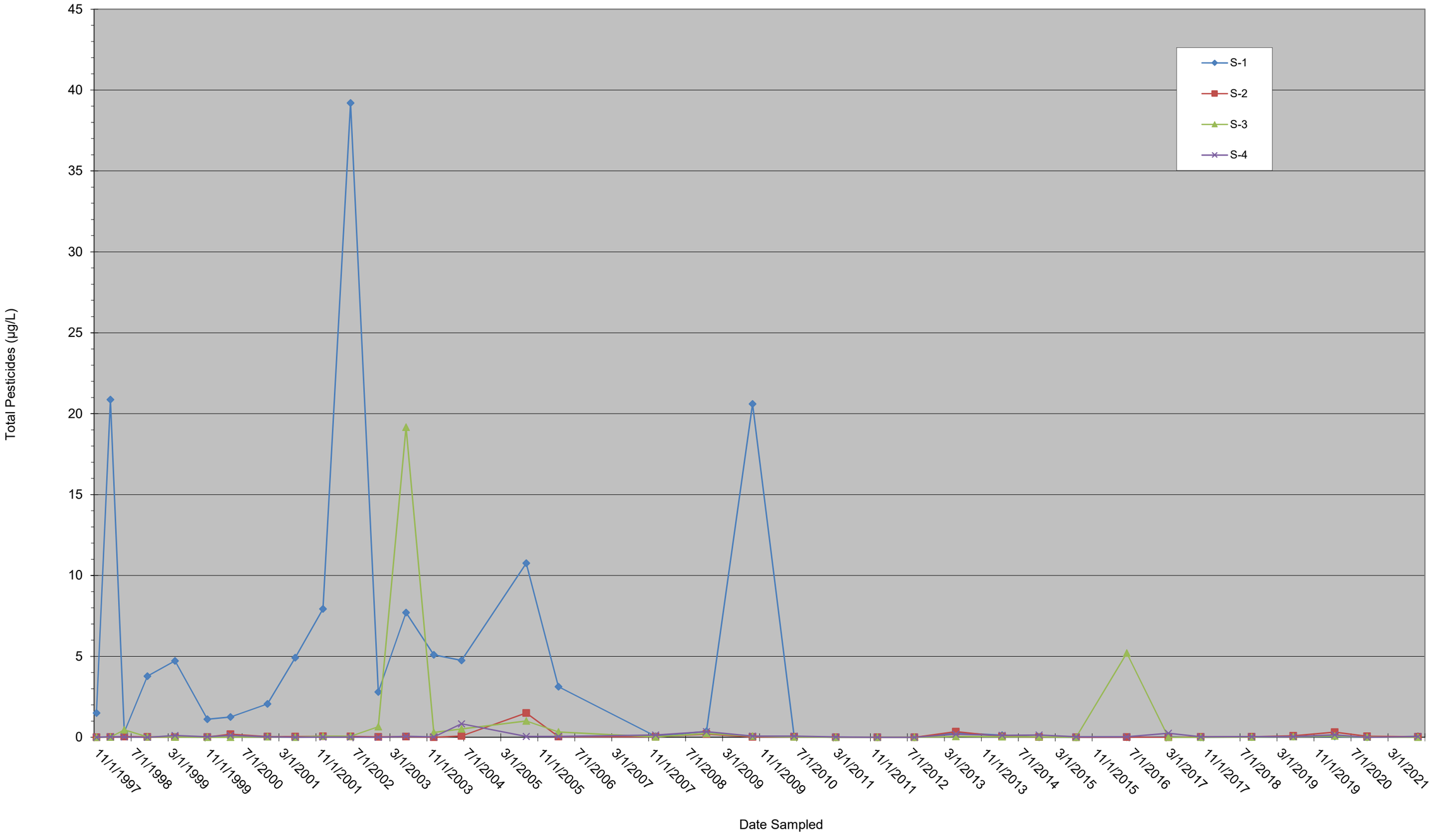


Figure 3.1g

Sump Concentrations - Total 8-RCRA Metals

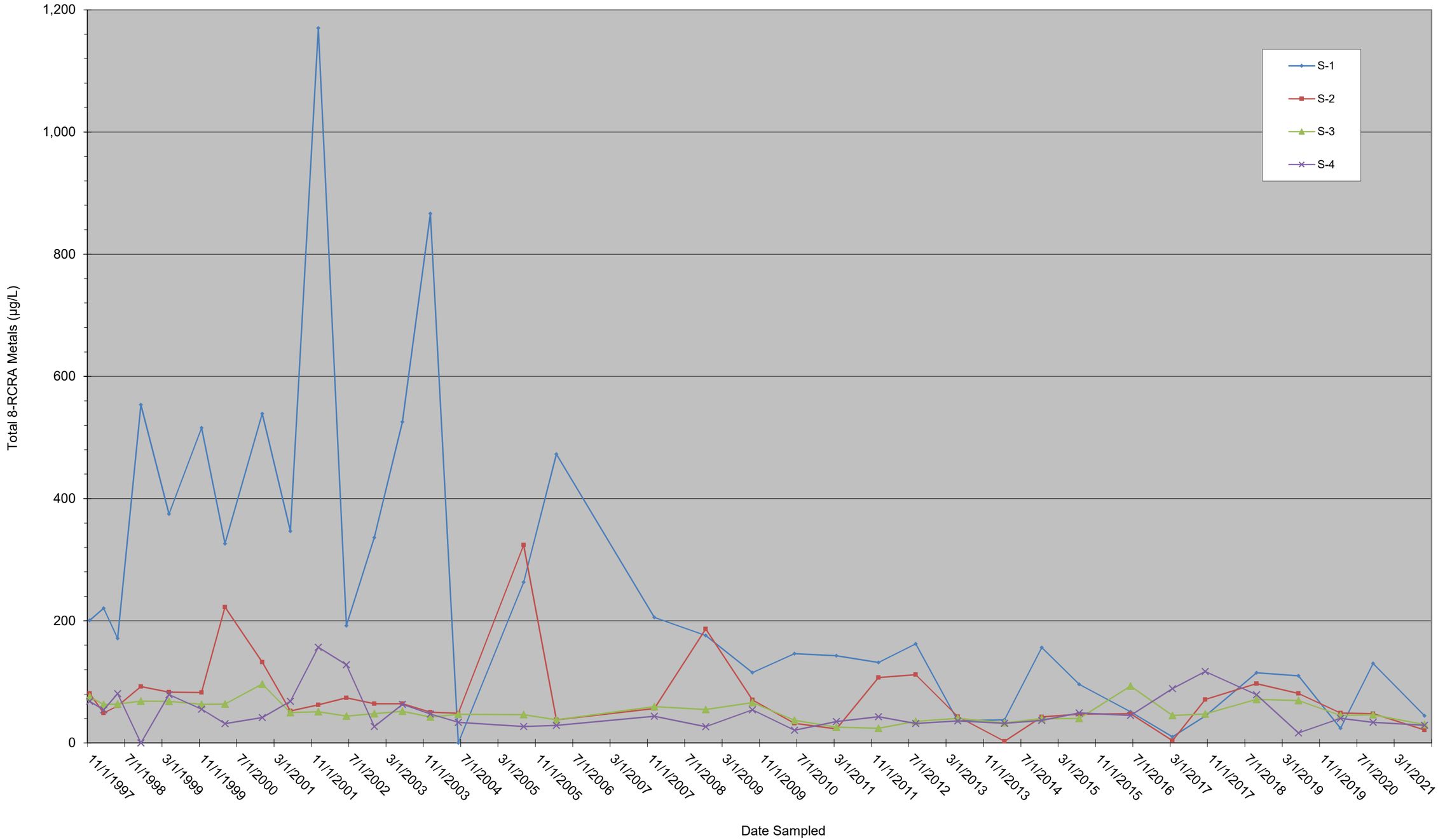


Figure 3.2a

Monitoring Well Trends - Total VOCs

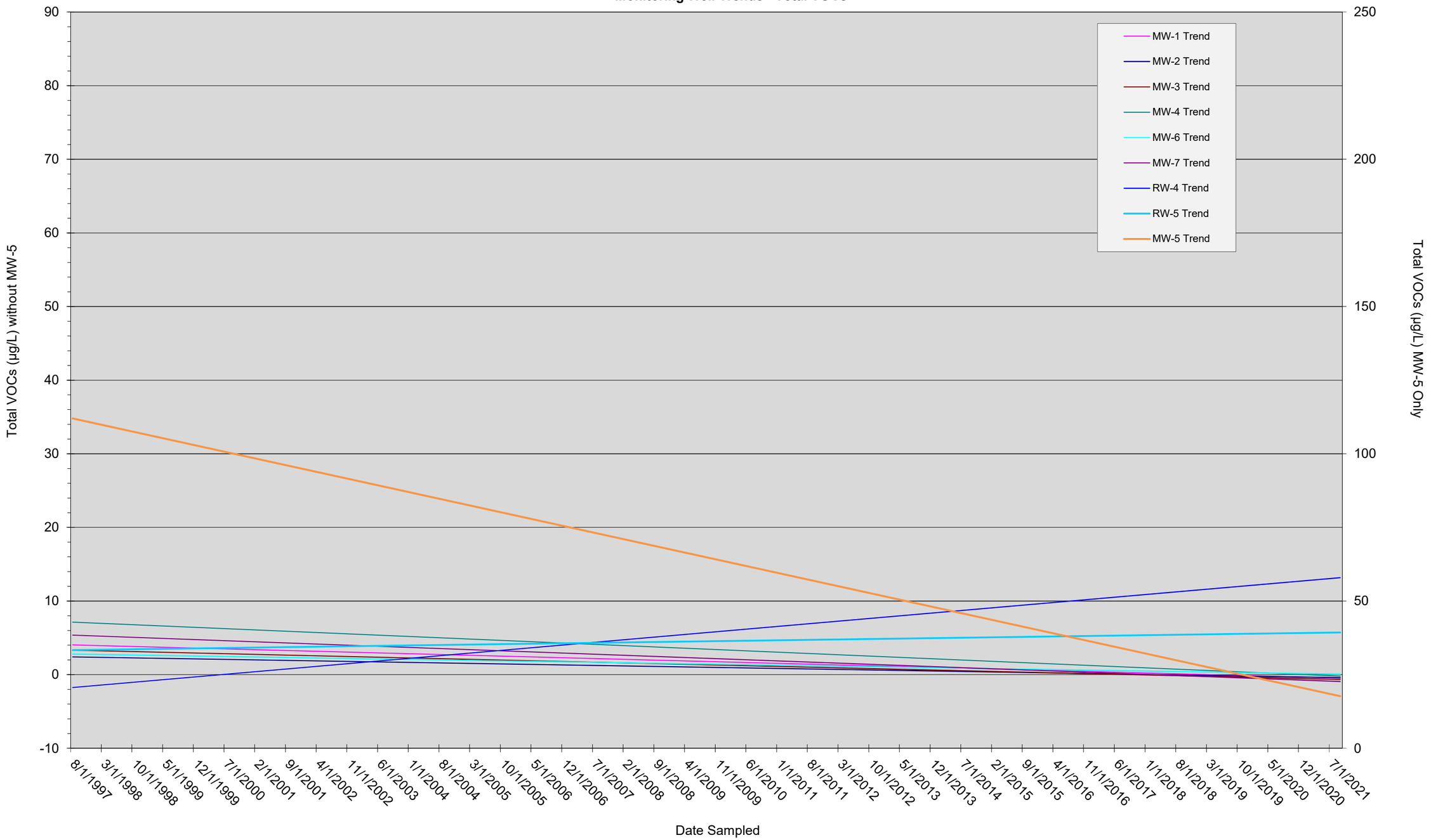


Figure 3.2b

Monitoring Well Trends - Total SVOCs

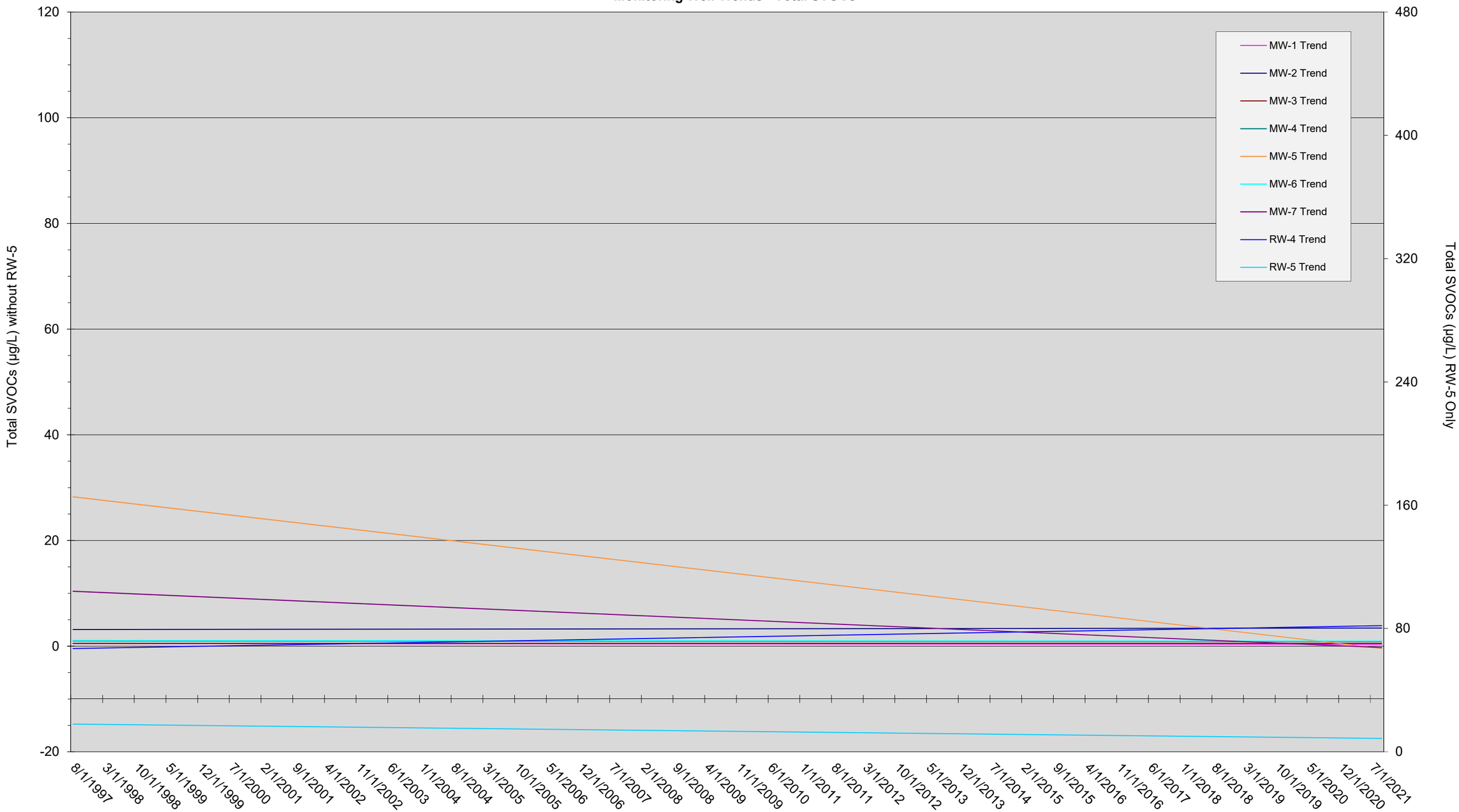


Figure 3.2c

Sump Trends - Total VOCs

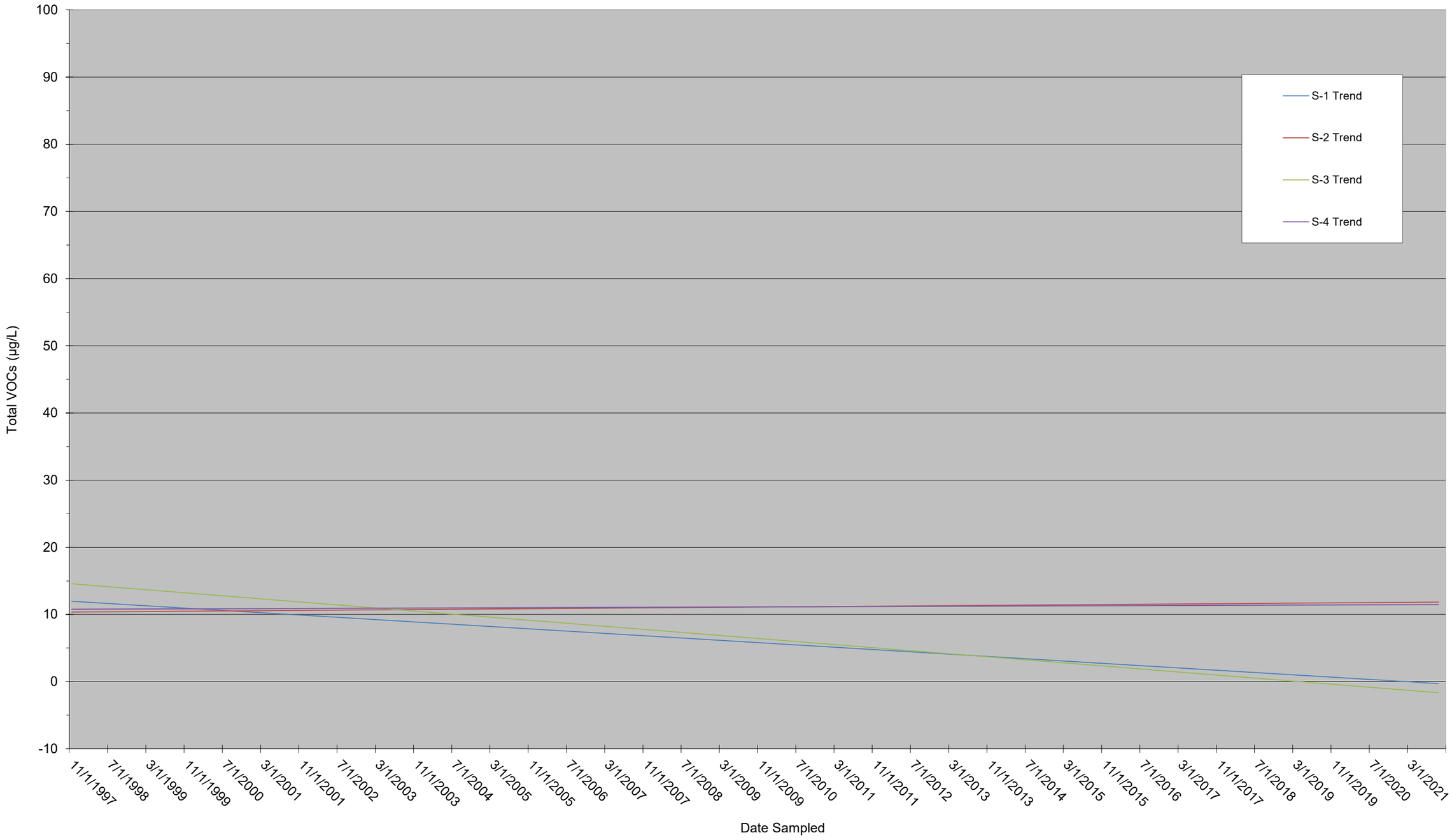


Figure 3.2d

Sump Trends - Total SVOCs

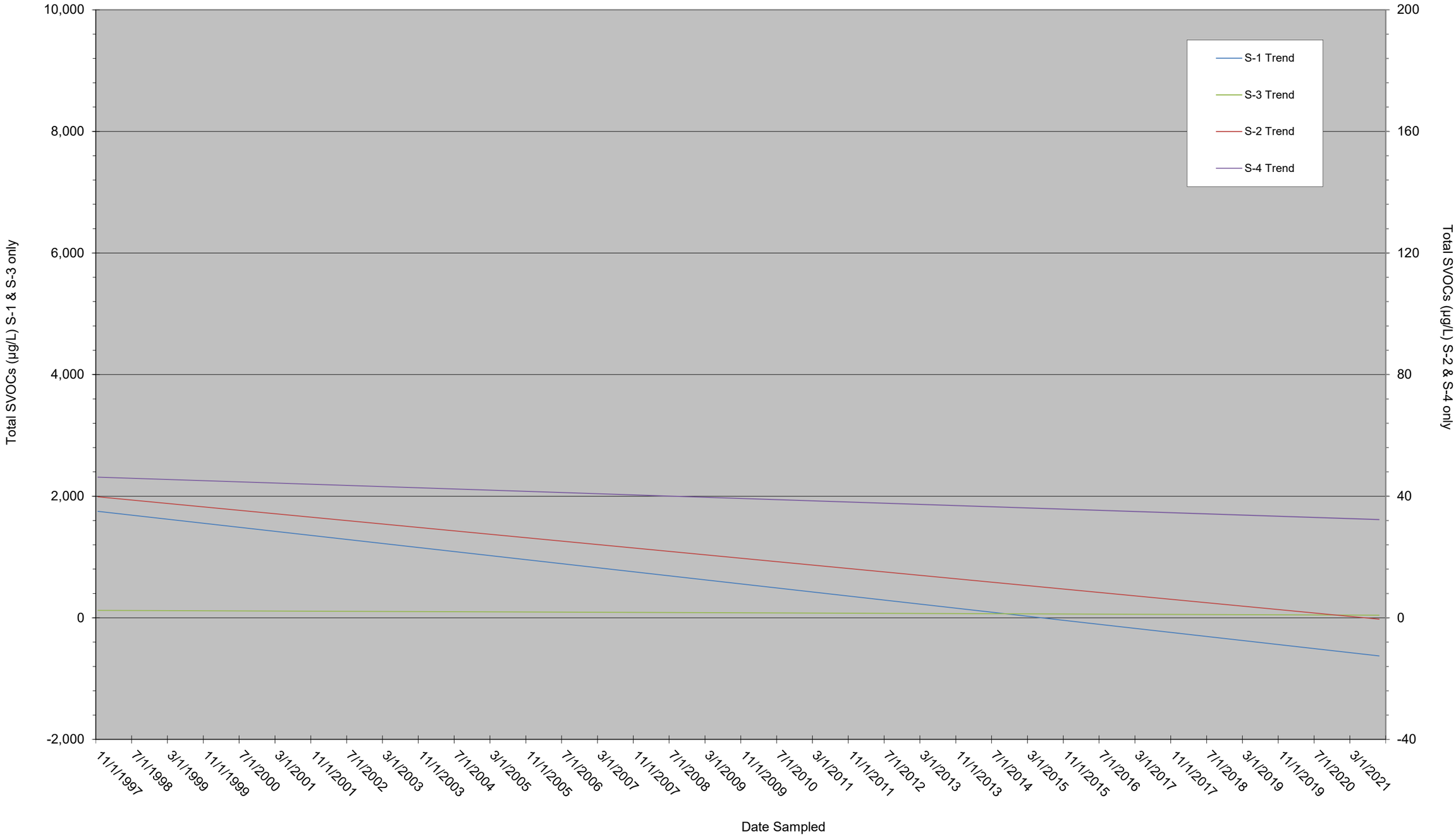


Figure 3.2e

Sump Trends - Total PCBs

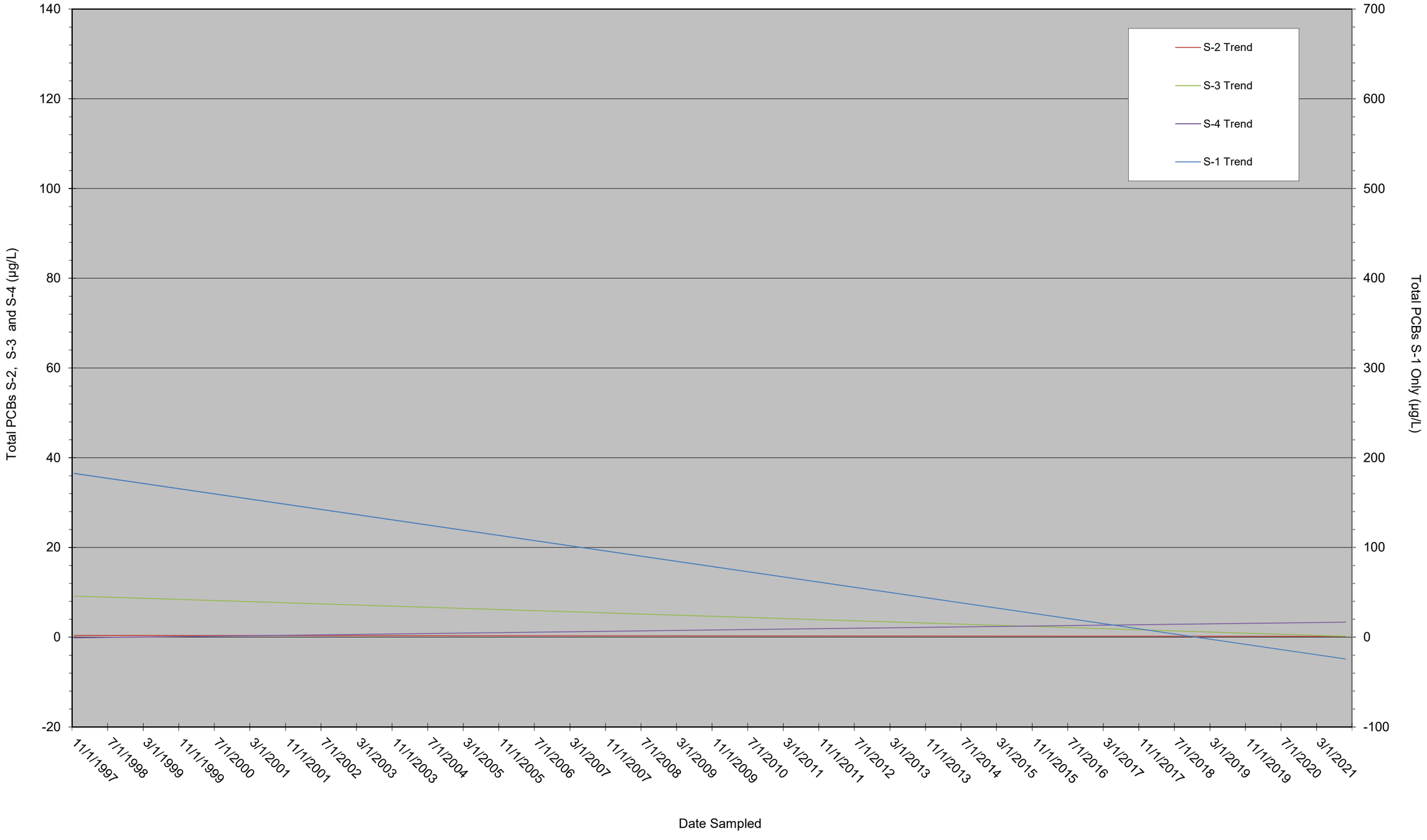
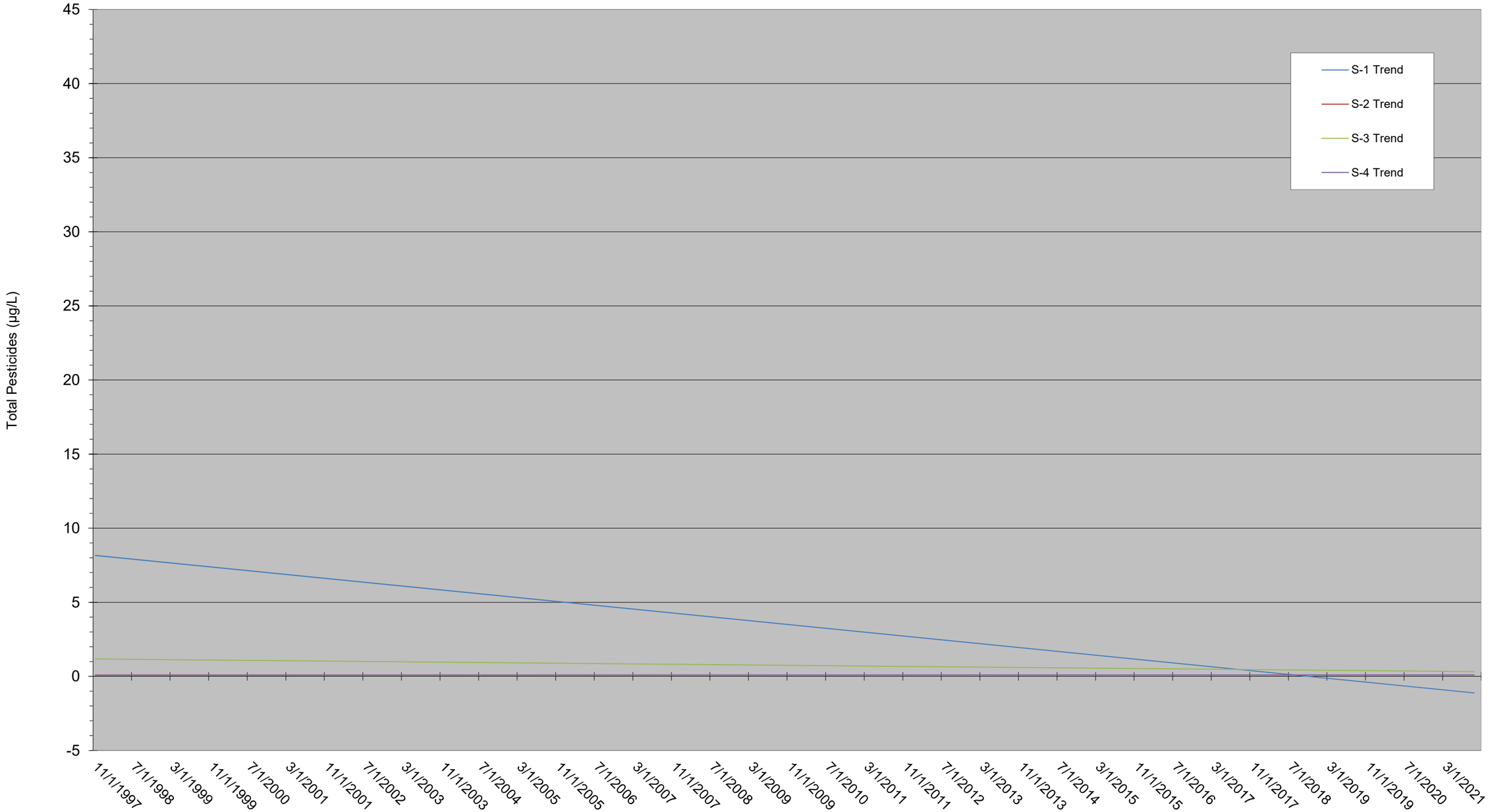


Figure 3.2f

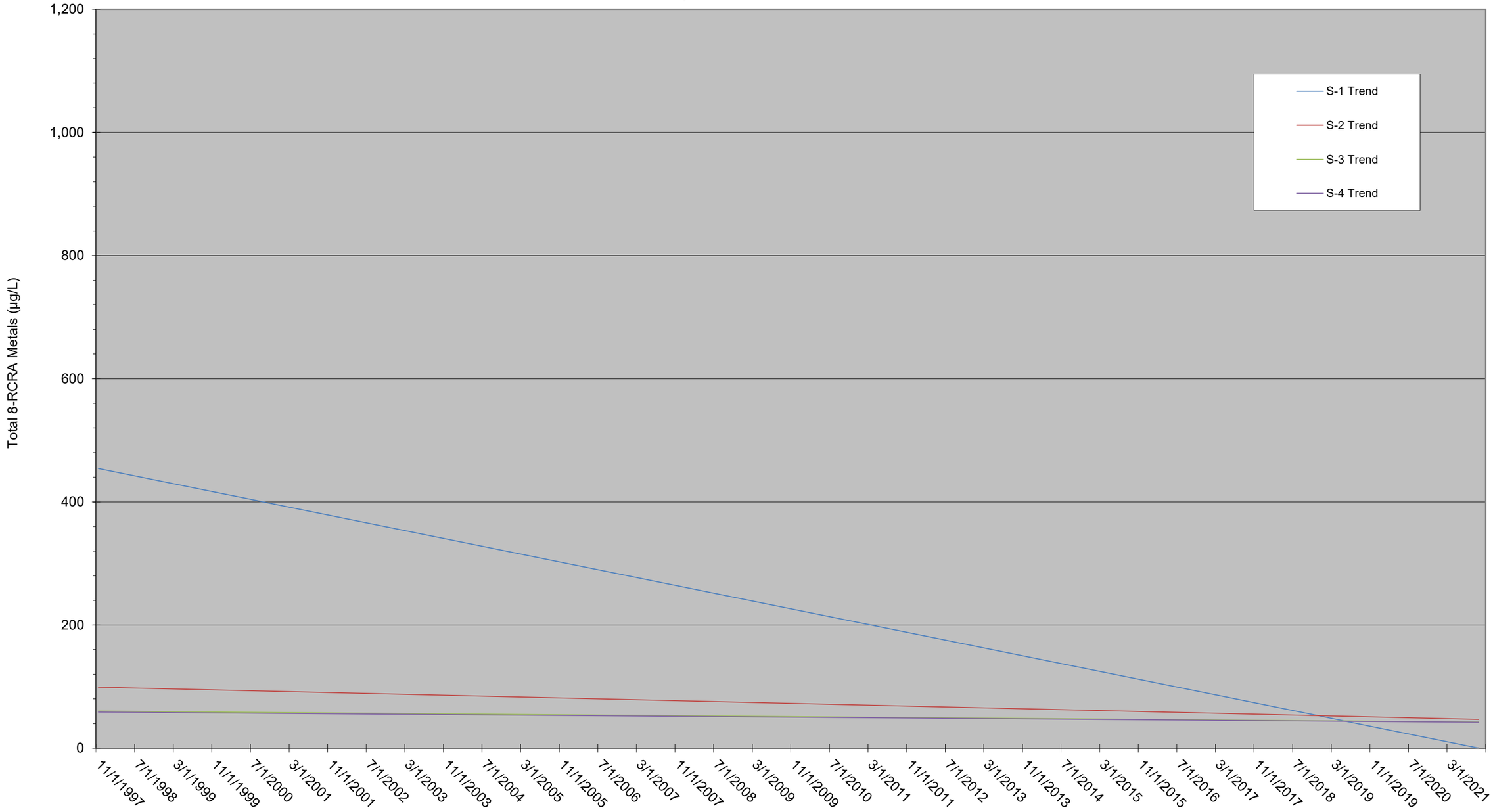
Sump Trends - Total Pesticides

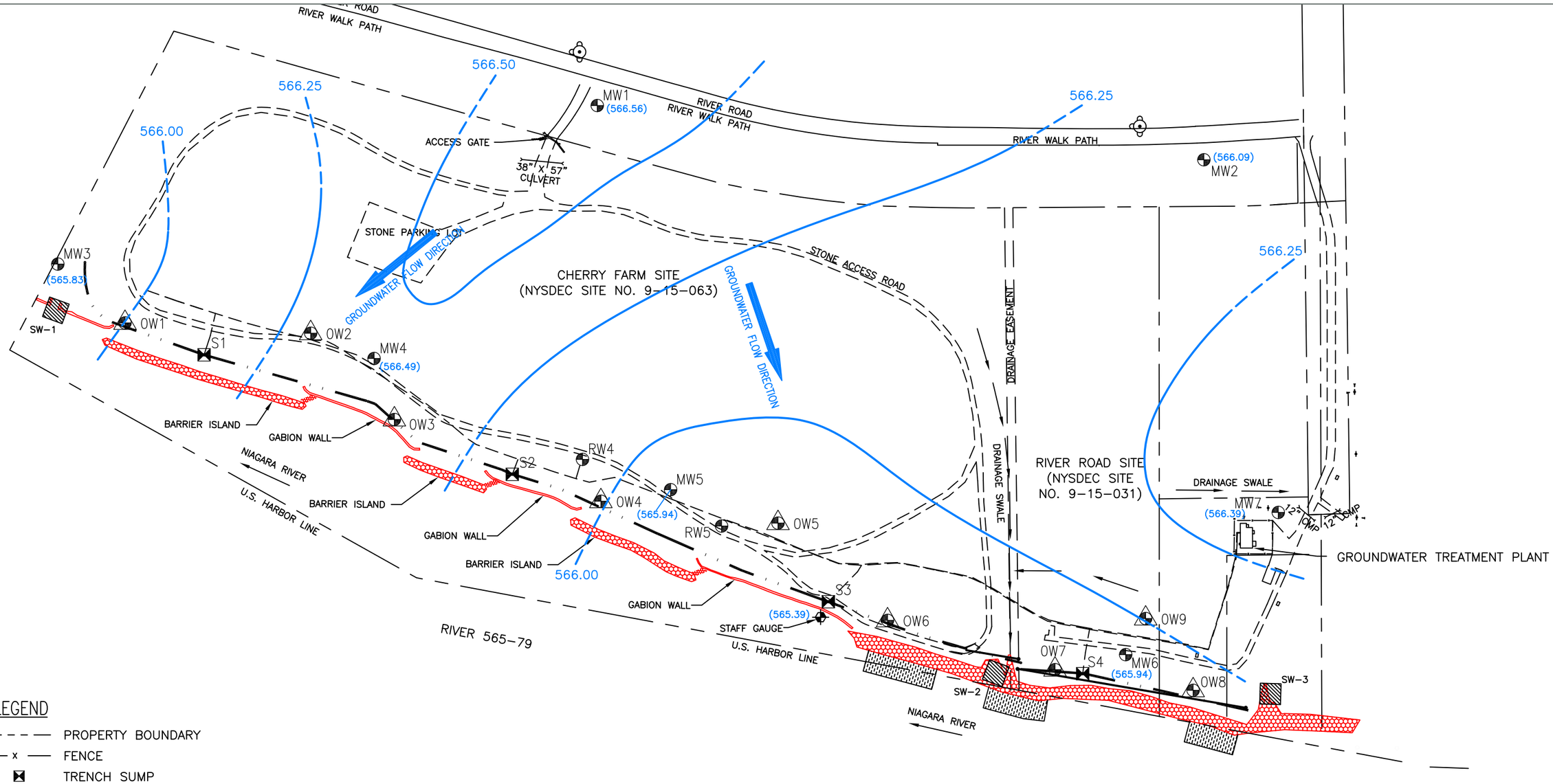


Note: Sumps S-2 and S-4 were always historically non-detect for Pesticides. Therfore, the trend line is identical along the X-asis and the individual trend lines are not visible.

Figure 3.2g

Sump Trends - Total 8-RCRA Metals





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
NM	NOT MEASURED

NOTE:

RW4 AND RW5 WERE NOT USED TO GENERATE GROUNDWATER CONTOURS.

Groundwater Contour Map
March 8, 2021

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

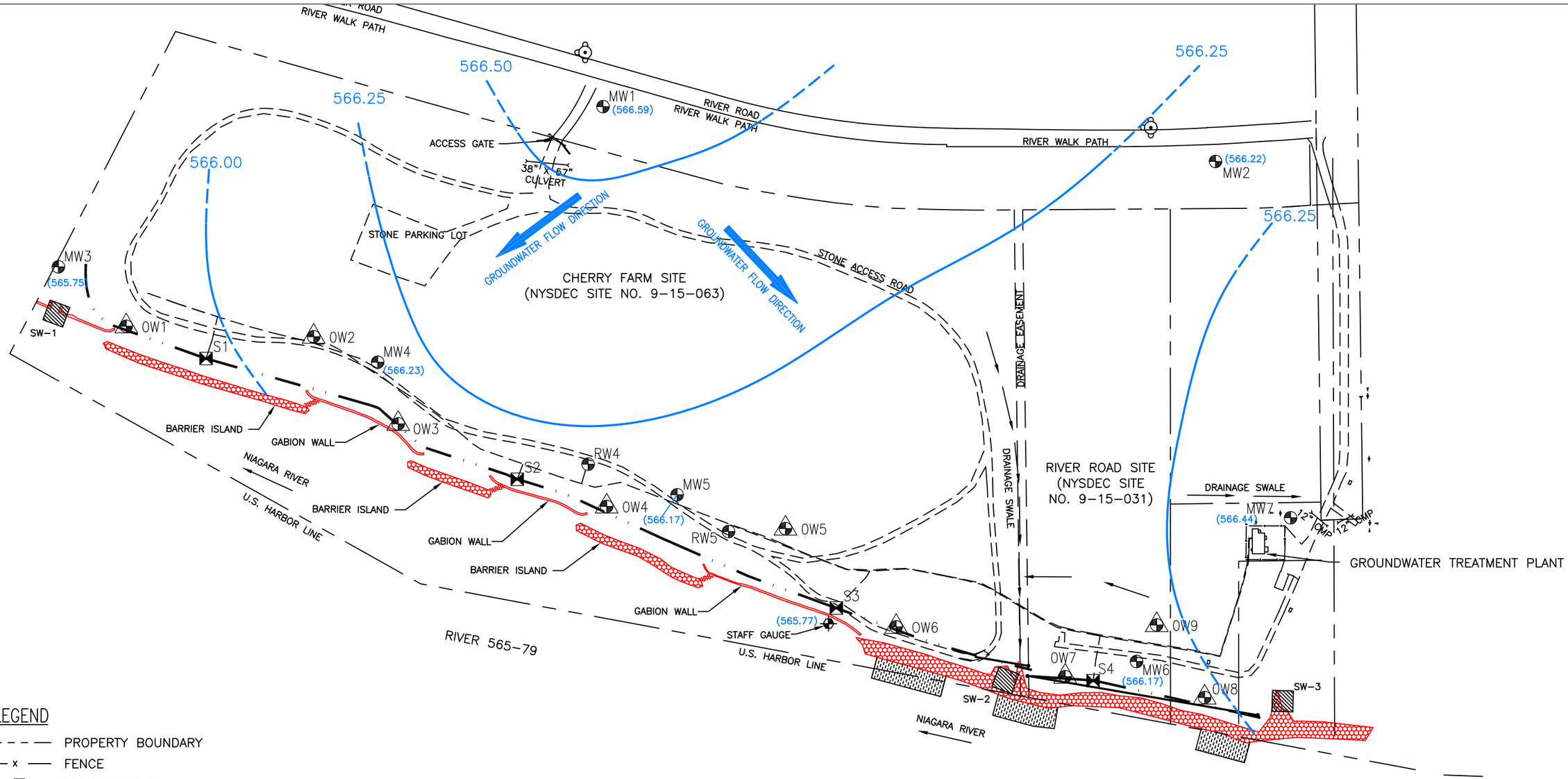
Drawn W.G.S.
Designed
Approved

Date 2/1/22
Figure 3.3a

Scale In Feet
0 250

Groundwater & Environmental Services, Inc.

M:\Graphics\0900-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
NM	NOT MEASURED

NOTE:

RW4 AND RW5 WERE NOT USED TO GENERATE GROUNDWATER CONTOURS.

Groundwater Contour Map
June 28, 2021

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

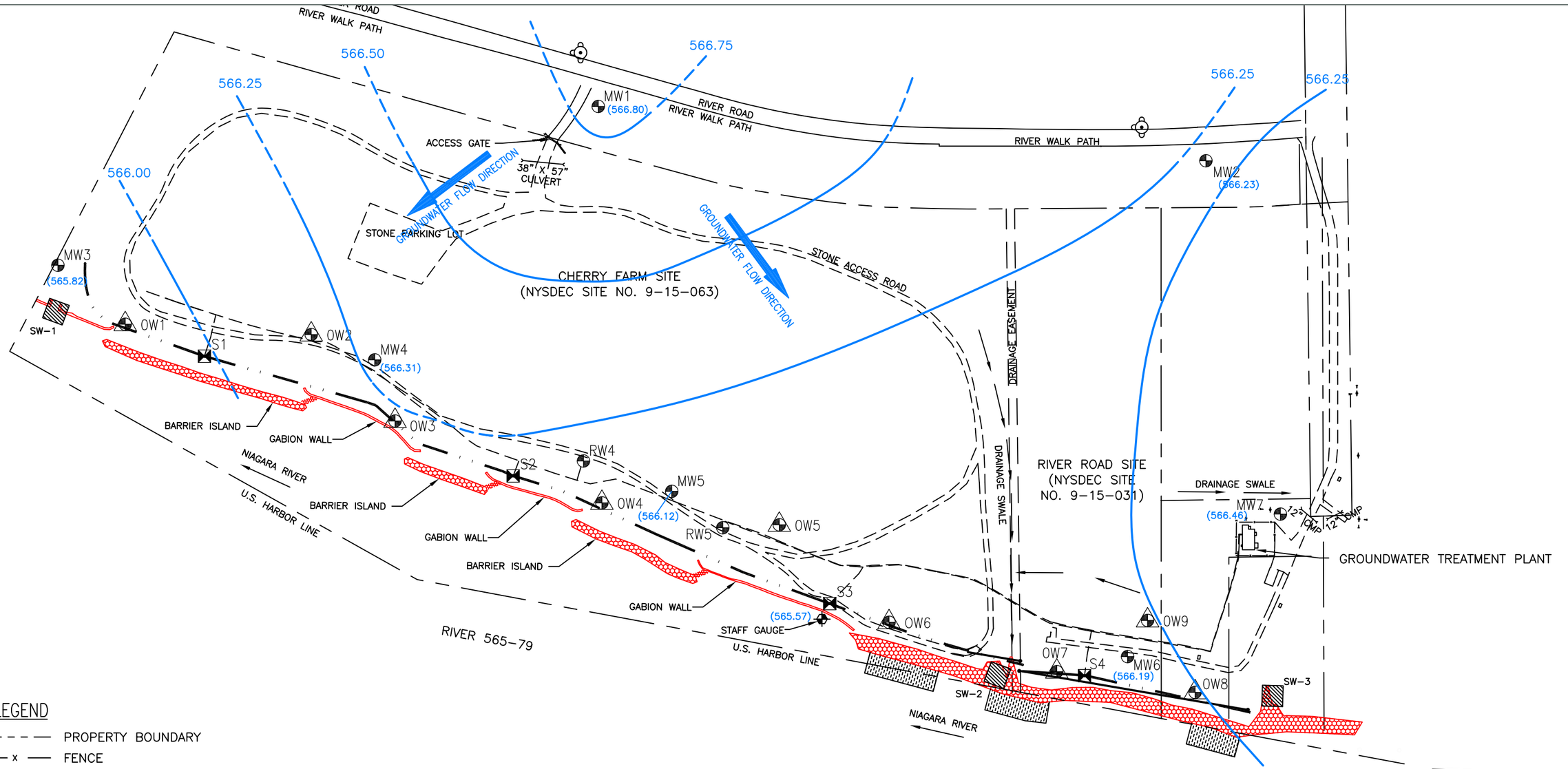
Drawn W.G.S.
Designed
Approved

Date 2/1/22
Figure 3.3b

Scale In Feet
0 250

Groundwater & Environmental Services, Inc.

M:\Graphics\0900-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
NM	NOT MEASURED

NOTE:

RW4 AND RW5 WERE NOT USED TO GENERATE GROUNDWATER CONTOURS.

Groundwater Contour Map
September 20, 2021

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

Drawn
W.G.S.
Designed

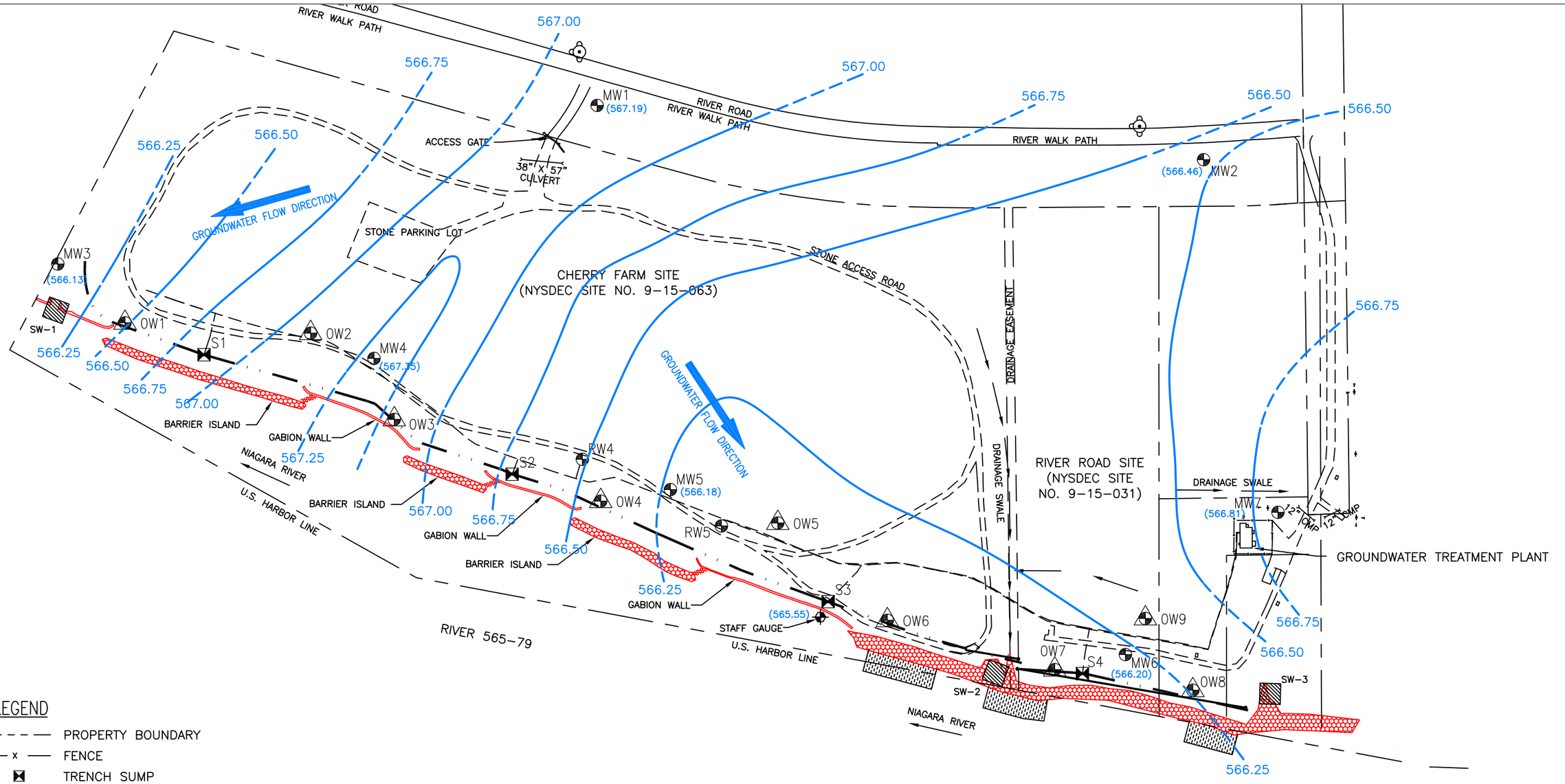
Approved

Date
2/1/22
Figure
3.3c

Scale In Feet
0 250

Groundwater & Environmental Services, Inc.

M:\Graphics\0900-Buffalo\Misc\Cherry Farms\Tonawanda\Cherry Farms (Tonawanda) SM.dwg, B250 sm, WShea



LEGEND

- PROPERTY BOUNDARY
- 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
- NM NOT MEASURED

NOTE:

RW4 AND RW5 WERE NOT USED TO GENERATE GROUNDWATER CONTOURS.

Groundwater Contour Map
November 22, 2021

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

Drawn W.G.S.
Designed
Approved

Date 2/1/22
Figure 3.3d

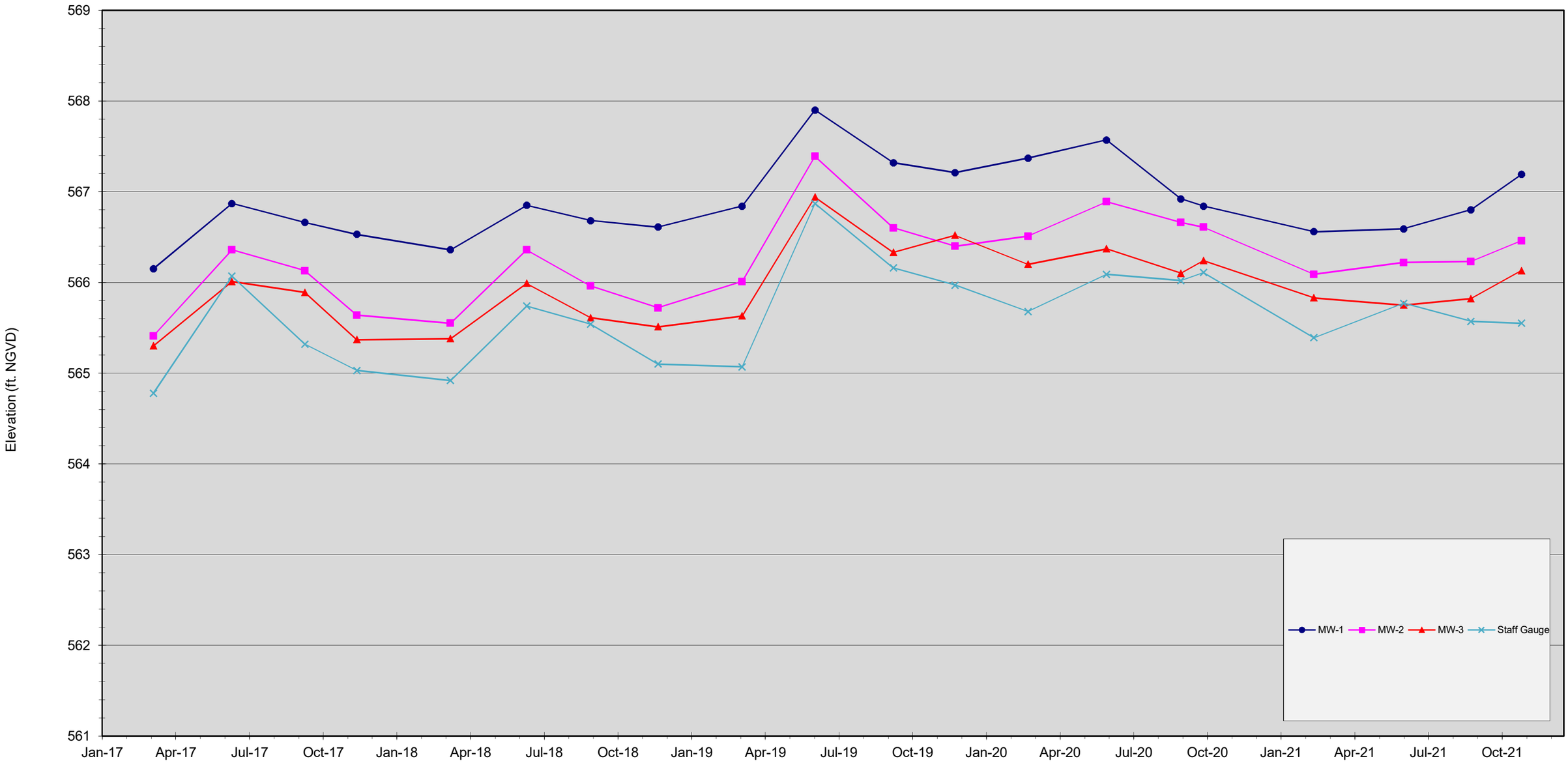
Scale In Feet
0 250

Groundwater & Environmental Services, Inc.

M:\Graphics\0900-Buffalo\Misc\Cherry Farms\Tonawanda\Cherry Farms (Tonawanda) SM.dwg, B250 sm, WShea

Figure 3.4a

Monitoring Well Hydrograph (2017-2021) MW-1, MW-2, MW-3, and Staff Gauge

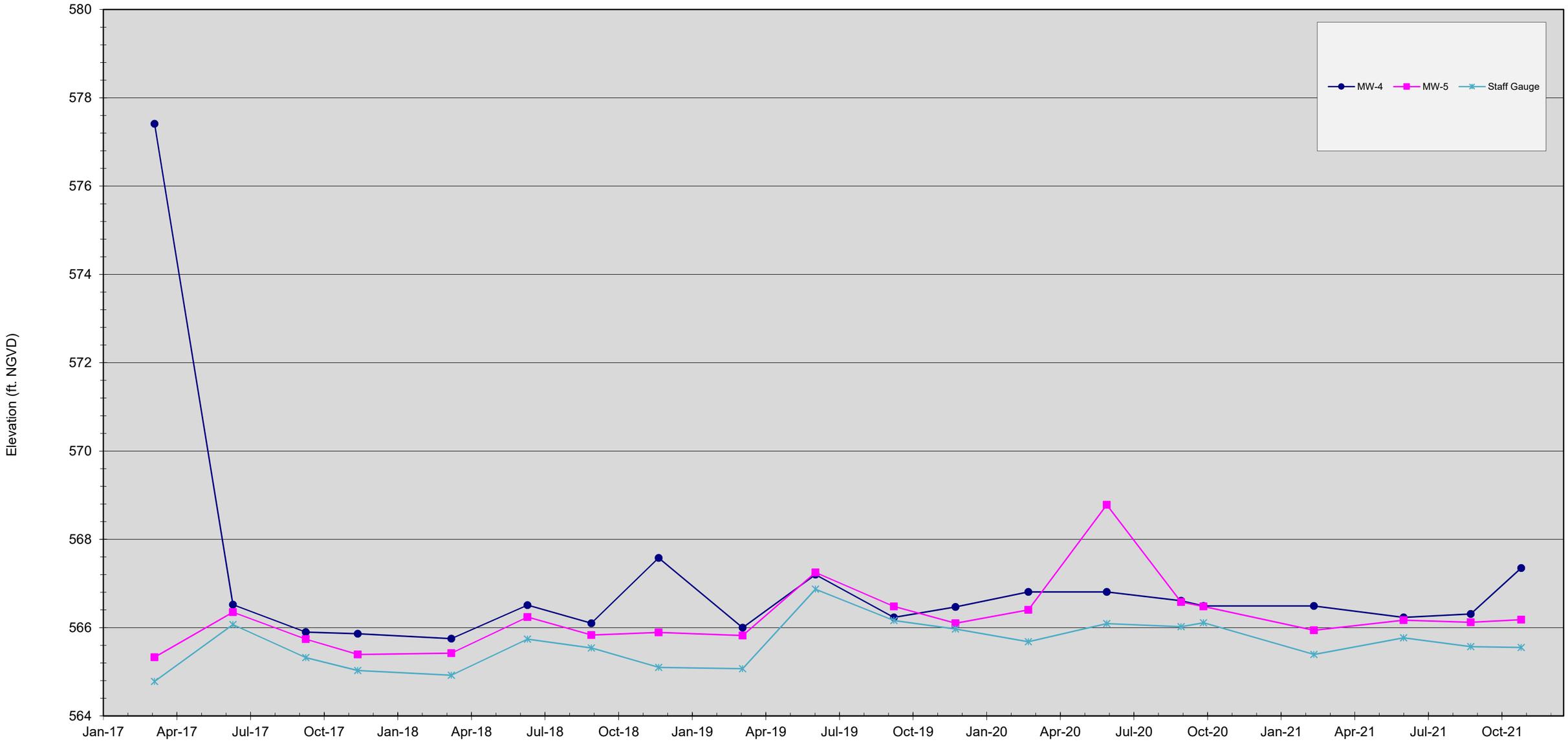


- Site wells were resurveyed on June 7, 2019, the Staff Gauge was resurveyed on October 29, 2020
- 2019 Staff Gauge elevations were adjusted based on 2020 survey data.

NGVD-National Geodetic Vertical Datum

Figure 3.4b

Monitoring Well Hydrograph (2017-2021) MW-4, MW-5 and Staff Gauge

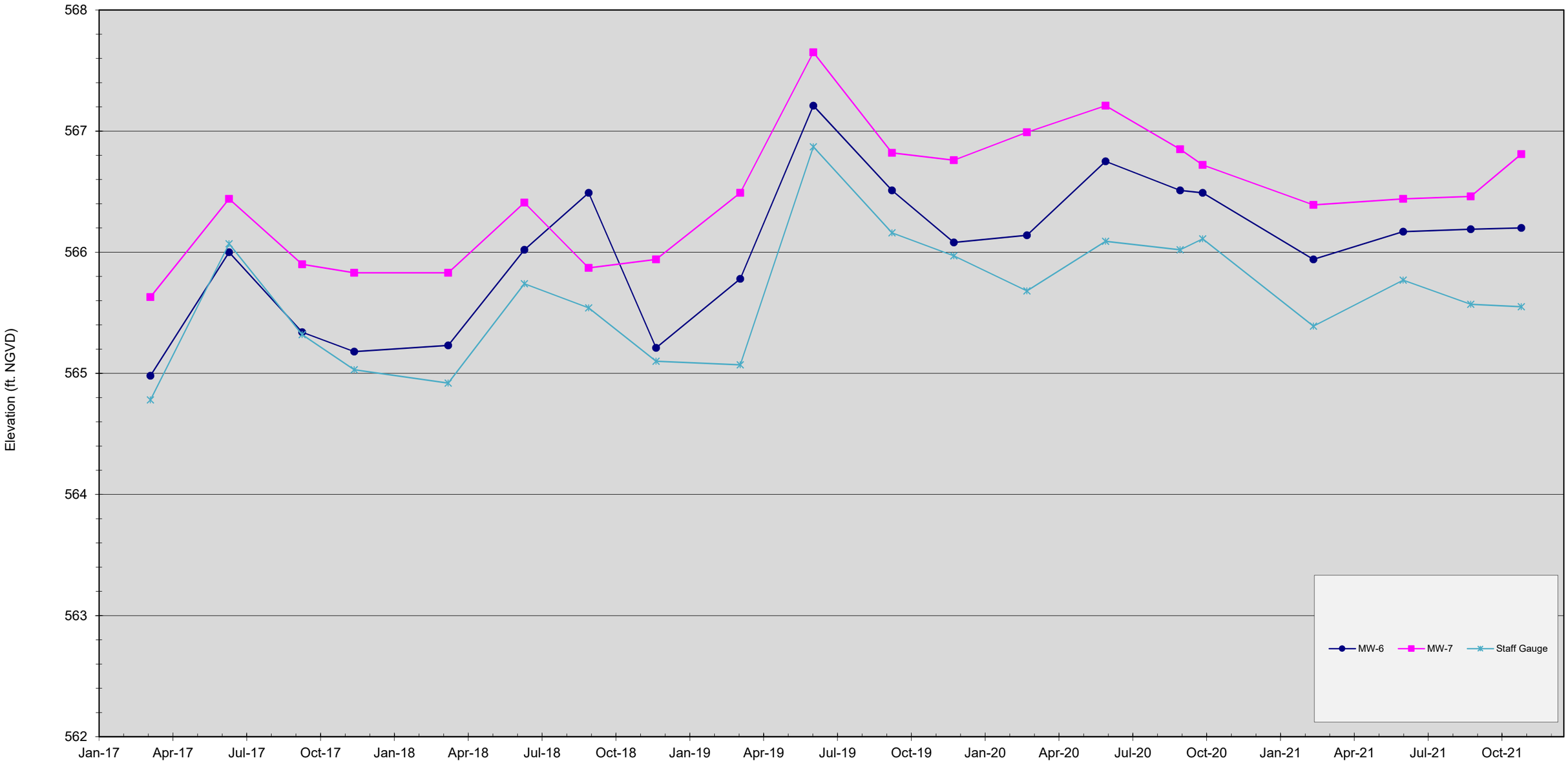


- Site wells were resurveyed on June 7, 2019, the Staff Gauge was resurveyed on October 29, 2020
- 2019 Staff Gauge elevations were adjusted based on 2020 survey data.

NGVD-National Geodetic Vertical Datum

Figure 3.4c

Monitoring Well Hydrograph (2017-2021) MW-6, MW-7 and Staff Gauge



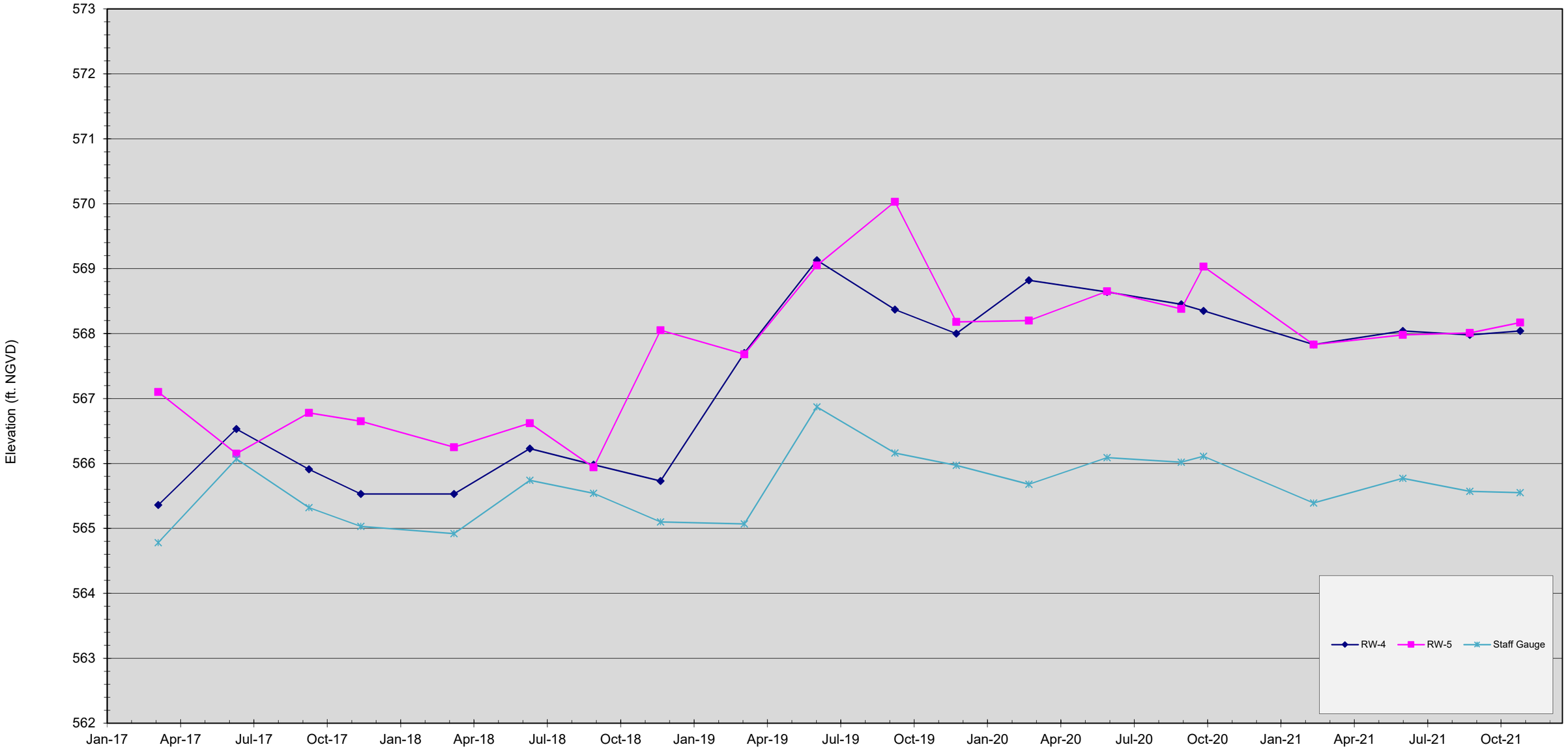
- Site wells were resurveyed on June 7, 2019, the Staff Gauge was resurveyed on October 29, 2020
- 2019 Staff Gauge elevations were adjusted based on 2020 survey data.

Date Measured

NGVD-National Geodetic Vertical Datum

Figure 3.4d

Monitoring Well Hydrograph (2017-2021) RW-4, RW-5 and Staff Gauge



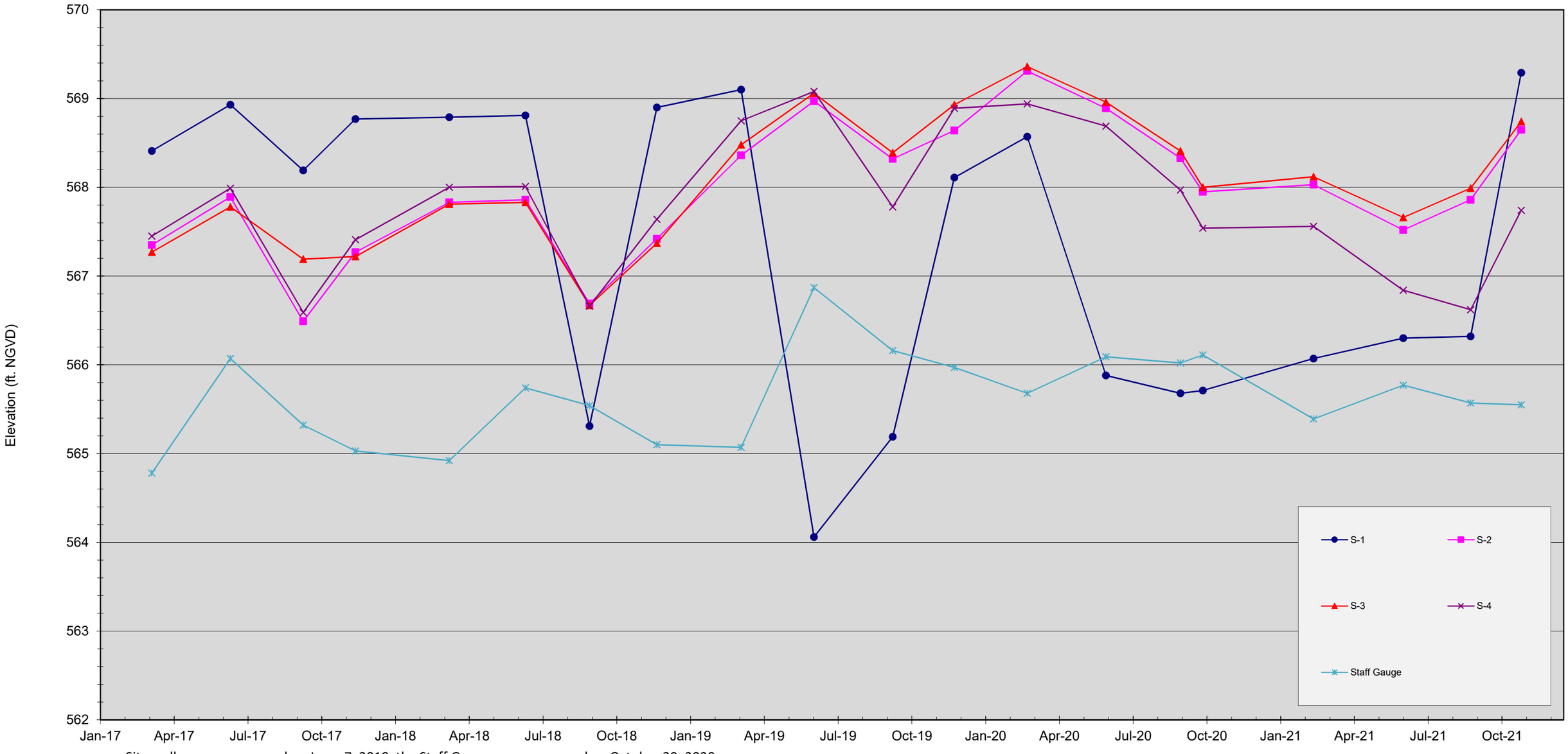
- Site wells were resurveyed on June 7, 2019, the Staff Gauge was resurveyed on October 29, 2020
- 2019 Staff Gauge elevations were adjusted based on 2020 survey data.

Date Measured

NGVD-National Geodetic Vertical Datum

Figure 3.5a

Sump Hydrograph (2017-2021) S-1, S-2, S-3, S-4 and Staff Gauge



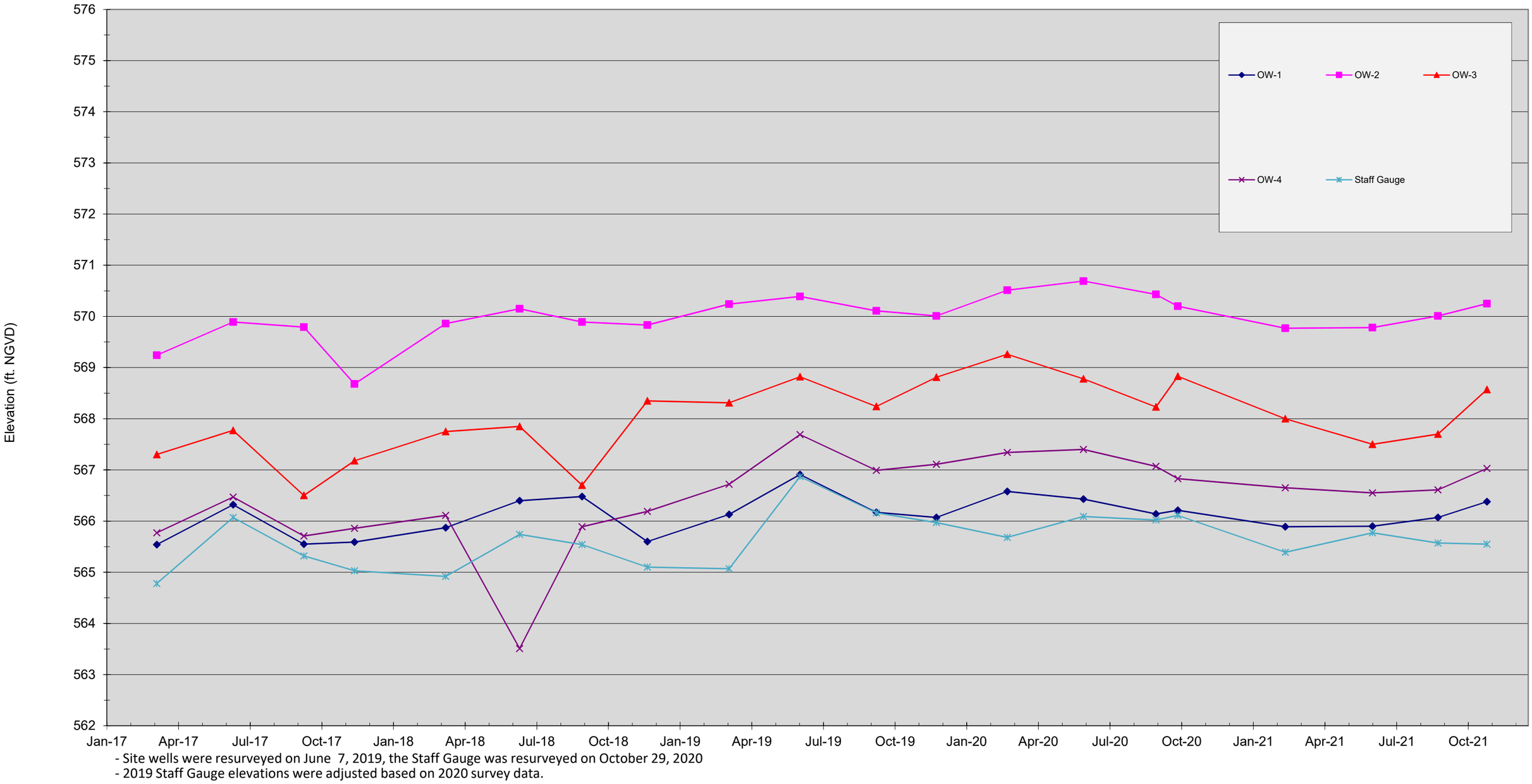
- Site wells were resurveyed on June 7, 2019, the Staff Gauge was resurveyed on October 29, 2020
- 2019 Staff Gauge elevations were adjusted based on 2020 survey data.

Date Measured

NGVD-National Geodetic Vertical Datum

Figure 3.5b

Observation Well Hydrograph (2017-2021) OW-1, OW-2, OW-3, OW-4 and Staff Gauge

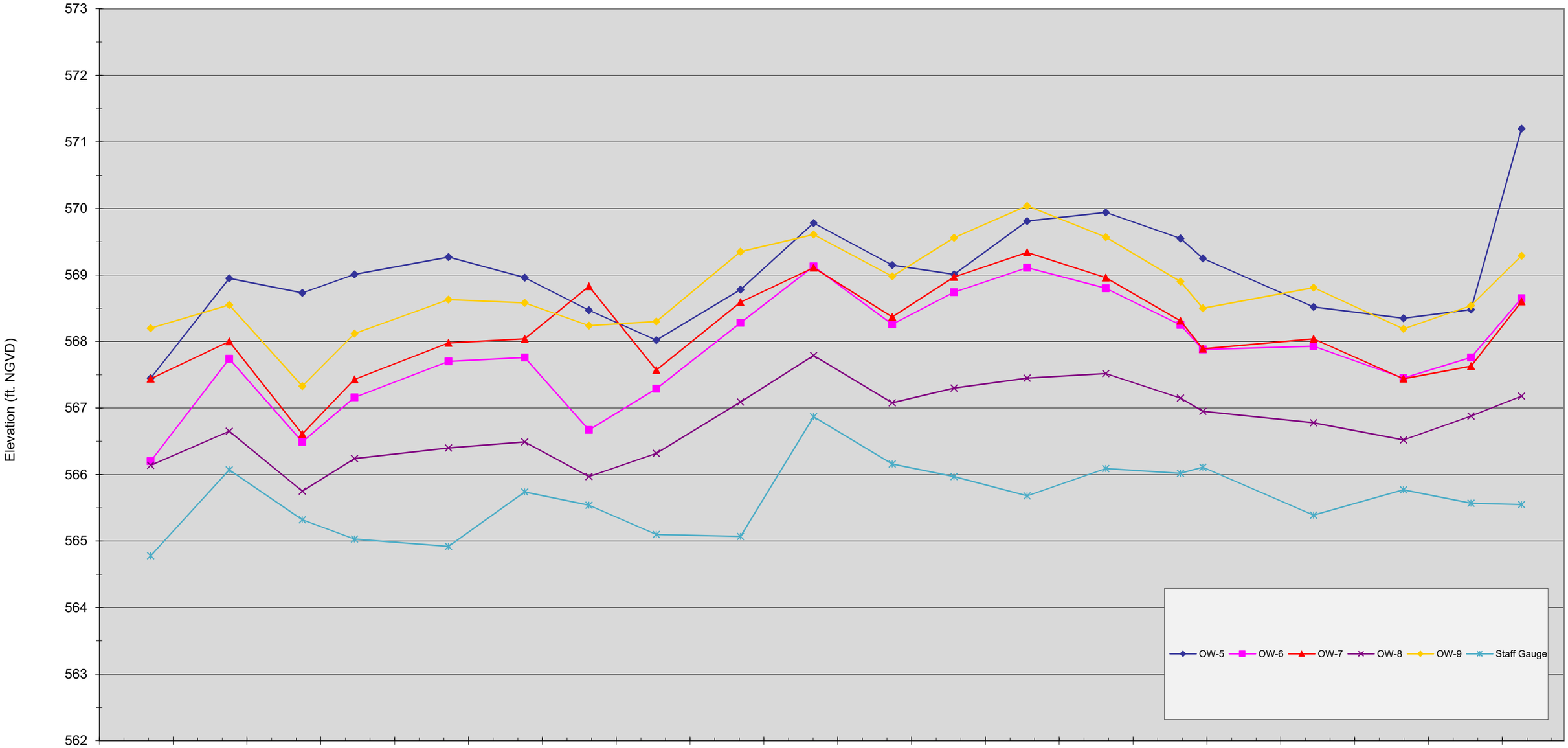


- Site wells were resurveyed on June 7, 2019, the Staff Gauge was resurveyed on October 29, 2020
- 2019 Staff Gauge elevations were adjusted based on 2020 survey data.

NGVD-National Geodetic Vertical Datum

Figure 3.5c

Observation Well Hydrograph (2017-2021) 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

NGVD-National Geodetic Vertical Datum

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	Restictions on building construction/use to prevent activities that would intrude into wastes or otherwise diminish the effectiveness of the cap/remedy.	Monitored during routine site visits and cap inspections.	Weekly and Semi-Annually	None Noted	NA
Land Use Restriction	Restictions on land use to prevent activities that would intrude into wastes or otherwise diminish the effectiveness of the remedy.	Monitored during routine site visits and cap inspections.	Weekly and Semi-Annually	None Noted	NA
Monitoring Plan	A long-term monitoring program was instituted since hazardous waste remains untreated on site. The program monitors the effectiveness of the remedy and allows for evaluation of the need for continued shallow groundwater collection and treatment.	Water level measurements of groundwater monitoring wells, observation wells, sumps, and the Niagara River. Shallow and deep groundwater sampling of groundwater monitoring wells, sumps, and surface water.	Quarterly water level measurements and annual groundwater sampling.	None Noted	NA
O&M Plan	The O&M program includes post-remedial construction activities that will be conducted to ensure the effectiveness of the shallow groundwater collection system and surface water management program. The program describes groundwater and surface water monitoring, cover and drainage system inspections, reporting requirements and emergency response procedures. It also includes standard operating procedures for operation of the shallow groundwater collection and treatment system.	Monitored during routine site visits.	O&M Plan and SOPs are reviewed/ updated annually.	None Noted	NA

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	Flow restriction observed from Sump 1-3 conveyance line due to constriction.	Parial replacement of the Sump 1-3 conveyance line required in 2022 to restore flow.
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 permeabillity 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 errosion.	Monitored during routine site visits and cap inspections.	Weekly and Semi-Annually	None Noted	NA
Monitoring Plan	A long-term monitoring program was instituted since hazardous waste remains untreated on site. The program monitors the effectiveness of the remedy and allows for evaluation of the need for continued shallow groundwater collection and treatment.	Water level measurements of groundwater monitoring wells, observation wells, sumps, and the Niagara River. Shallow and deep groundwater sampling of groundwater monitoring wells, sumps, and surface water.	Quarterly water level measurements and annual groundwater sampling.	None Noted	NA
O&M Plan	The O&M program includes post-remedial construction activities that will be conducted to ensure the effectiveness of the shallow groundwater collection system and surface water management program. The program describes groundwater and surface water monitoring, cover and drainage system inspections, reporting requirements and emergency response procedures. It also includes standard operating procedures for operation of the shallow groundwater collection and treatment system.	Monitored during routine site visits.	O&M Plan and SOPs are reviewed/ updated annually.	None Noted	NA
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

2021 Groundwater Elevation Summary

WELL NAME	WELL DIAMETER	03/08/21 ELEVATION (FEET)	06/28/21 ELEVATION (FEET)	09/20/21 ELEVATION (FEET)	11/22/21 ELEVATION (FEET)
MW-1	2"	566.56	566.59	566.80	567.19
MW-2	2"	566.09	566.22	566.23	566.46
MW-3	2"	565.83	565.75	565.82	566.13
MW-4	2"	566.49	566.23	566.31	567.35
MW-5	2"	565.94	566.17	566.12	566.18
MW-6	2"	565.94	566.17	566.19	566.20
MW-7	2"	566.39	566.44	566.46	566.81
OW-1	1 1/2"	565.89	565.90	566.07	566.38
OW-2	1 1/2"	569.77	569.78	570.01	570.25
OW-3	1 1/2"	568.00	567.50	567.70	568.57
OW-4	1 1/2"	566.65	566.55	566.61	567.03
OW-5	1 1/2"	568.52	568.35	568.48	571.20
OW-6	1 1/2"	567.93	567.45	567.76	568.65
OW-7	1 1/2"	568.04	567.44	567.63	568.60
OW-8	1 1/2"	566.78	566.52	566.88	567.18
OW-9	1 1/2"	568.81	568.19	568.54	569.29
RW-4	8"	567.83	568.04	567.98	568.04
RW-5	8"	567.83	567.98	568.01	568.17
S-1	vault	566.07	566.30	566.32	569.29
S-2	vault	568.03	567.52	567.86	568.65
S-3	vault	568.12	567.66	567.99	568.74
S-4	vault	567.56	566.84	566.62	567.74
SG	NA	565.39	565.77	565.57	565.55

Notes:
NA = Not applicable
NM = Not Measured
SG = Staff Gauge
Site wells were surveyed on 6/07/2019. New survey data was used for all GW elevations since 2019.

Table 2.3

Non-Routine Maintenance Summary

Date	Non-Routine Maintenance Item
January 2021	• Sump pump replacement for T-2 tank. • Cleaned Sump 4 pump. • Cleaned spare pump head.
February 2021	• Changed crossover pipe between influent flowmeter box and acid tank. • Backflow preventer inspection and seal replacement. • Backflow Preventor Inspection, leaky seal replaced.
March 2021	• Cleaned influent flowmeter box.
April 2021	• Partial carbon changeout on carbon vessel 1.
May 2021	• HVAC maintenance by Greater Niagara. • Muriatic acid / Air pressure treatment on Sump 1-3 conveyance line.
June 2021	• Complete carbon change out on carbon vessels 1 & 2.
July 2021	• High level sump alarm, and replaced crossover pipe and cleaned box. • Change out pH probe in T2. • Change Sump 4 pump head. • Muriatic acid / Air pressure treatment on Sump 1-3 conveyance line.
August 2021	• High pH alarm, and replace pH probe. • Low pH alarm, and restart pump.
September 2021	• Muriatic acid / Air pressure treatment on S 1-3 conveyance line.

Table 2.3

Non-Routine Maintenance Summary

Date	Non-Routine Maintenance Item
October 2021	• Repair road from LaFarge employee parking to system shed gate. • Floor repair from acid damage with cement. • Rebuild caustic back pressure valve. • Muriatic acid / Air pressure treatment on Sump 1-3 conveyance line in an attempt to increase flow/remove pipe constriction.
November 2021	• Continued muriatic acid / Air pressure treatment on Sump 1-3 conveyance line in an attempt to increase flow/remove pipe constriction. • Tested Sump 1-3 conveyance line flow between Sump 1 and Sump 2, and Sump 2 and Sump 3. No flow constriction present in on this portion of the conveyance line. Flow constriction is located between the treatment building and Sump 3. • Replace Acid and Caustic pump relays.
December 2021	• Replacment of faultly sump pump that was tripping circuit breaker. • Continued muriatic acid / Air pressure treatment on Sump 1-3 and Sump 4 conveyance lines. • NYSDEC notified of reduced flow from Sumps 1-3 due to conveyance line constriction on December 27, 2021. • Powerwash, prep and paint floor, ramp, and raised platforms. • HVAC maintenance by Greater Niagara. • Annual flowmeter calibration. • Change Sump 4 pump head (new head).

Table 3.1

2021 Detected Compound Summary
Monitoring Well Samples

Cherry Farm/River Road September 2021 Monitoring Well Sampling Detections	**NYSDEC Class GA Groundwater Standards/ Guidance Values**	**Sample ID:**	MW-4	MW-5	MW-6	DUP (MW-6)	RW-4	RW-5
		Lab Sample ID:	480-190061-1	480-190061-2	480-190061-3	480-190061-10	480-190061-4	480-190061-5
		Depth:	NM	NM	NM	NM	NM	NM
		Source:	TA	TA	TA	TA	TA	TA
		SDG:	480-190061	480-190061	480-190061	480-190061	480-190061	480-190061
		Matrix:	WATER	WATER	WATER	WATER	WATER	WATER
		Sampled:	9/23/2021	9/23/2021	9/23/2021	9/23/2021	9/24/2021	9/24/2021
COMPOUND		**UNITS:**						
VOLATILES								
Acetone	50 (G)	**(µg/L)**	ND	14 (J)(F2)	ND	ND	ND	ND
SEMIVOLATILES								
Di-n-butyl phthalate	50	**(µg/L)**	0.31 (J)	ND	ND	ND	0.35 (J)	ND
Diethyl phthalate	50 (G)	**(µg/L)**	ND	ND	ND	ND	1.2 (J)	1.6 (J)
Phenanthrene	50 (G)	**(µg/L)**	ND	0.49 (J)	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.
(F2) = MS/MSD RPD exceeds control limits.
(G) = Guidance Value
(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.
ND = Indicates compound was analyzed for, but not detected at or above the reporting limit.
NM = Not Measured
TA = Eurofins TestAmerica

Table 3.2

2021 Detected Compound Summary
Sump Samples

Cherry Farm/River Road September 2021 Sump Sampling Detections COMPOUND	NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample ID: Source: SDG: Matrix: Sampled: UNITS:	S-1 480-190061-6 TA 480-190061 WATER 9/23/2021	S-2 480-190061-7 TA 480-190061 WATER 9/23/2021	S-3 480-190061-8 TA 480-190061 WATER 9/23/2021	S-4 480-190061-9 TA 480-190061 WATER 9/23/2021
VOLATILES						
1,1-Dichloroethane	5	(µg/L)	ND	ND	ND	0.99 (J)
SEMIVOLATILES						
2,4-Dimethylphenol	50	(µg/L)	ND	ND	ND	2.5 (J)
Di-n-butyl phthalate	50	(µg/L)	0.38 (J)	0.33 (J)	ND	ND
Diethyl phthalate	50 (G)	(µg/L)	0.27 (J)	ND	ND	ND
Phenanthrene	50 (G)	(µg/L)	0.52 (J)	ND	ND	ND
PESTICIDES						
4,4'-DDE	0.2	(µg/L)	0.039 (J)	ND	ND	ND
Endosulfan I	NS	(µg/L)	ND	ND	ND	0.028 (J)
Endrin ketone	5	(µg/L)	0.015 (J)	ND	ND	ND
gamma-BHC (Lindane)	0.05	(µg/L)	0.0092 (J)	ND	ND	0.016 (J)
trans-Chlordane	0.05	(µg/L)	ND	0.028 (J)	ND	ND
PCBs	Sum of all PCBs is					
Aroclor 1232	<0.09	(µg/L)	ND	ND	ND	**3.3**
INORGANICS						
Aluminum	NS	(µg/L)	1,800 (B)	ND	75 (J)(B)	340 (B)
Arsenic	25	(µg/L)	8.4 (J)	ND	ND	ND
Barium	1,000	(µg/L)	25	21	30	29
Calcium	NS	(µg/L)	36,400	12,400	54,400	95,800
Chromium	50	(µg/L)	1.8 (J)	ND	ND	ND
Copper	200	(µg/L)	3.5 (J)	ND	ND	ND
Iron	300	(µg/L)	**1,600**	77	82	140
Lead	25	(µg/L)	9.3	ND	ND	ND
Magnesium	35,000 (G)	(µg/L)	10,800	480	200	4,000
Manganese	300	(µg/L)	60 (B)	4.1 (B)	41 (B)	73 (B)
Nickel	100	(µg/L)	1.7 (J)	1.5 (J)	ND	ND
Potassium	NS	(µg/L)	5,800	29,100	39,800	65,600
Sodium	20,000	(µg/L)	1,300	**62,600**	**121,000**	**173,000**
Vanadium	NS	(µg/L)	3.0 (J)	4.0 (J)	7.1	5.2
Zinc	2,000 (G)	(µg/L)	19 (B)	12 (B)	ND	6.7 (J)(B)
Cyanide	200	(µg/L)	ND	18	74	38

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.
(B) = Compound was found in the blank and sample.
(G) = Guidance Value
(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.
ND = Indicates compound was analyzed for, but not detected at or above the reporting limit.
NM = Not Measured
NS = No Standard
TA = Eurofins TestAmerica

Table 3.3

Total 2021 Contaminant Mass Removal

Sum of Analytical Concentrations	S-1	S-2	S-3	S-4	Average Influent Concentration	2021 Total Plant Flow	Total Removed
Units	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(gal)	(lbs)
Date	09/23/21	09/23/21	09/23/21	09/23/21			
Total VOCs	0.0	0.0	0.0	0.99	0.25	3,210,523	0.007
Total SVOCs	1.17	0.33	0.0	2.5	1.00	3,210,523	0.027
Total Pesticides	0.063	0.028	0.0	0.044	0.03	3,210,523	0.001
Total PCBs	0.0	0.0	0.0	3.3	0.83	3,210,523	0.022

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
L = liter

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

Appendix A-1 2021 September Analytical Data

Appendix A-1

2021 Analytical Data Monitoring Well Samples Volatile Organic Compounds

Cherry Farm/River Road **September 2021** **Monitoring Well Sampling** **EPA Method 8260C**	**NYSDEC Class GA Groundwater Standards/ Guidance Values**	**Sample ID:** **Lab Sample ID:** **Depth:** **Source:** **SDG:** **Matrix:** **Sampled:**	MW-4 480-190061-1 NM TA 480-190061 WATER 9/23/2021	MW-5 480-190061-2 NM TA 480-190061 WATER 9/23/2021	MW-6 480-190061-3 NM TA 480-190061 WATER 9/23/2021	DUP (MW-6) 480-190061-10 NM TA 480-190061 WATER 9/23/2021	RW-4 480-190061-4 NM TA 480-190061 WATER 9/24/2021	RW-5 480-190061-5 NM TA 480-190061 WATER 9/24/2021
COMPOUND		**UNITS:**						
VOLATILES								
1,1,1-Trichloroethane	5	**(µg/L)**	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5	**(µg/L)**	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	1	**(µg/L)**	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	**(µg/L)**	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	5	**(µg/L)**	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.6	**(µg/L)**	ND	ND	ND	ND	ND	ND
1,2-Dichloroethene, Total	NS	**(µg/L)**	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	1	**(µg/L)**	ND	ND	ND	ND	ND	ND
2-Butanone	50 (G)	**(µg/L)**	ND	ND	ND	ND	ND	ND
2-Hexanone	50 (G)	**(µg/L)**	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	NS	**(µg/L)**	ND	ND	ND	ND	ND	ND
Acetone	50 (G)	**(µg/L)**	ND	14 (J)(F2)	ND	ND	ND	ND
Benzene	1	**(µg/L)**	ND	ND	ND	ND	ND	ND
Bromodichloromethane	50 (G)	**(µg/L)**	ND	ND	ND	ND	ND	ND
Bromoform	50 (G)	**(µg/L)**	ND	ND	ND	ND	ND	ND
Bromomethane	5	**(µg/L)**	ND	ND (F2)	ND	ND	ND	ND
Carbon disulfide	60 (G)	**(µg/L)**	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	5	**(µg/L)**	ND	ND	ND	ND	ND	ND
Chlorobenzene	5	**(µg/L)**	ND	ND	ND	ND	ND	ND
Chloroethane	5	**(µg/L)**	ND	ND	ND	ND	ND	ND
Chloroform	7	**(µg/L)**	ND	ND	ND	ND	ND	ND
Chloromethane	5	**(µg/L)**	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.4	**(µg/L)**	ND	ND	ND	ND	ND	ND
Dibromochloromethane	50 (G)	**(µg/L)**	ND	ND	ND	ND	ND	ND
Ethylbenzene	5	**(µg/L)**	ND	ND	ND	ND	ND	ND
Methylene Chloride	5	**(µg/L)**	ND	ND	ND	ND	ND	ND
Styrene	5	**(µg/L)**	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5	**(µg/L)**	ND	ND	ND	ND	ND	ND
Toluene	5	**(µg/L)**	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.4	**(µg/L)**	ND	ND	ND	ND	ND	ND
Trichloroethene	5	**(µg/L)**	ND	ND	ND	ND	ND	ND
Vinyl chloride	2	**(µg/L)**	ND	ND (F2)	ND	ND	ND	ND
Xylenes, total	5	**(µg/L)**	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.
(F2) = MS/MSD RPD exceeds control limits.

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2021 Analytical Data Monitoring Well Samples Semi-Volatile Organic Compounds

Cherry Farm/River Road September 2021 Monitoring Well Sampling EPA Method 8270D	NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample ID: Depth: Source: SDG: Matrix: Sampled:	MW-4 480-190061-1 NM TA 480-190061 WATER 9/23/2021	MW-5 480-190061-2 NM TA 480-190061 WATER 9/23/2021	MW-6 480-190061-3 NM TA 480-190061 WATER 9/23/2021	DUP (MW-6) 480-190061-10 NM TA 480-190061 WATER 9/23/2021	RW-4 480-190061-4 NM TA 480-190061 WATER 9/24/2021	RW-5 480-190061-5 NM TA 480-190061 WATER 9/24/2021
COMPOUND		**UNITS:**						
SEMIVOLATILES								
1,2,4-Trichlorobenzene	5	(µg/L)	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	3	(µg/L)	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	3	(µg/L)	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	3	(µg/L)	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	1	(µg/L)	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	NS	(µg/L)	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	1	(µg/L)	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	50	(µg/L)	ND	ND	ND	ND	ND	ND
2,4-Dinitrophenol	10 (G)	(µg/L)	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	5	(µg/L)	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	5	(µg/L)	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	10 (G)	(µg/L)	ND	ND	ND	ND	ND	ND
2-Chlorophenol	1	(µg/L)	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	NS	(µg/L)	ND	ND	ND	ND	ND	ND
2-Methylphenol	1	(µg/L)	ND	ND (F1)	ND	ND	ND	ND
2-Nitroaniline	5	(µg/L)	ND	ND	ND	ND	ND	ND
2-Nitrophenol	1	(µg/L)	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	5	(µg/L)	ND	ND	ND	ND	ND	ND
3-Nitroaniline	5	(µg/L)	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	1	(µg/L)	ND	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	NS	(µg/L)	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	1	(µg/L)	ND	ND	ND	ND	ND	ND
4-Chloroaniline	5	(µg/L)	ND	ND	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	NS	(µg/L)	ND	ND	ND	ND	ND	ND
4-Methylphenol	1	(µg/L)	ND	ND	ND	ND	ND	ND
4-Nitroaniline	5	(µg/L)	ND	ND	ND	ND	ND	ND
4-Nitrophenol	1	(µg/L)	ND	ND	ND	ND	ND	ND
Acenaphthene	20 (G)	(µg/L)	ND	ND	ND	ND	ND	ND
Acenaphthylene	NS	(µg/L)	ND	ND	ND	ND	ND	ND
Anthracene	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	ND
Benzo[a]pyrene	NS	(µg/L)	ND	ND	ND	ND	ND	ND

Notes:
µg/L = micrograms per liter
NYSDEC (J)une 1998 Ambient Water Quality Standards and Guidance Values for Groundwater Class GA.
Bold values exceed the NYSDEC Class GA groundwater standard/guidance value.
NS = No Standard
(G) = Guidance Value
ND = Indicates compound was analyzed for, but not detected at or above the reporting limit.
(J) = Result is less than the Reporting Limit but greater than or equal to the Method Detection Limit and the concentration is an approximate value.
(E) = Result exceeded calibration range.
(*) = LCS or LCSD is outside acceptance limits. ISTD Response or retention time outside acceptable limits.
(F1) = MS and/or MSD Recovery is outside acceptance limits.
(F2)= MS/MSD RPD Exceeds Control Limits.

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2021 Analytical Data Monitoring Well Samples Semi-Volatile Organic Compounds

Cherry Farm/River Road September 2021 Monitoring Well Sampling EPA Method 8270D	NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample ID: Depth: Source: SDG: Matrix: Sampled:	MW-4 480-190061-1 NM TA 480-190061 WATER 9/23/2021	MW-5 480-190061-2 NM TA 480-190061 WATER 9/23/2021	MW-6 480-190061-3 NM TA 480-190061 WATER 9/23/2021	DUP (MW-6) 480-190061-10 NM TA 480-190061 WATER 9/23/2021	RW-4 480-190061-4 NM TA 480-190061 WATER 9/24/2021	RW-5 480-190061-5 NM TA 480-190061 WATER 9/24/2021
COMPOUND		**UNITS:**						
Benzo[b]fluoranthene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	ND
Benzo[g,h,i]perylene	NS	(µg/L)	ND	ND	ND	ND	ND	ND
Benzo[k]fluoranthene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	ND
Bis(2-chloroethoxy)methane	5	(µg/L)	ND	ND	ND	ND	ND	ND
Bis(2-chloroethyl)ether	1	(µg/L)	ND	ND	ND	ND	ND	ND
Bis(2-chloroisopropyl) ether	5	(µg/L)	ND	ND	ND	ND	ND	ND
Bis(2-ethylhexyl) phthalate	5	(µg/L)	ND	ND	ND	ND	ND	ND
Butyl benzyl phthalate	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND
Carbazole	NS	(µg/L)	ND	ND	ND	ND	ND	ND
Chrysene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	ND
Dibenz[a,h]anthracene	NS	(µg/L)	ND	ND	ND	ND	ND	ND
Dibenzofuran	NS	(µg/L)	ND	ND	ND	ND	ND	ND
Diethyl phthalate	50 (G)	(µg/L)	ND	ND	ND	ND	1.2 (J)	1.6 (J)
Dimethyl phthalate	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND
Di-n-butyl phthalate	50	(µg/L)	0.31 (J)	ND	ND	ND	0.35 (J)	ND
Di-n-octyl phthalate	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND
Fluoranthene	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND
Fluorene	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	0.04	(µg/L)	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	0.5	(µg/L)	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	5	(µg/L)	ND	ND	ND	ND	ND	ND
Hexachloroethane	5	(µg/L)	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	ND
Isophorone	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND
Naphthalene	10 (G)	(µg/L)	ND	ND	ND	ND	ND	ND
Nitrobenzene	0.4	(µg/L)	ND	ND	ND	ND	ND	ND
N-Nitrosodi-n-propylamine	NS	(µg/L)	ND	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND
Pentachlorophenol	5	(µg/L)	ND (*+)	ND (*+)(F1)	ND (*+)	ND (*+)	ND (*+)	ND (*+)
Phenanthrene	50 (G)	(µg/L)	ND	0.49 (J)	ND	ND	ND	ND
Phenol	1	(µg/L)	ND	ND	ND	ND	ND	ND
Pyrene	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND

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

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2021 Analytical Data Sump Samples Volatile Organic Compounds

Cherry Farm/River Road September 2021 Sump Sampling EPA Method 8260C	NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample ID: Depth: Source: SDG: Matrix: Sampled:	S-1 480-190061-6 NM TA 480-190061 WATER 9/23/2021	S-2 480-190061-7 NM TA 480-190061 WATER 9/23/2021	S-3 480-190061-8 NM TA 480-190061 WATER 9/23/2021	S-4 480-190061-9 NM TA 480-190061 WATER 9/23/2021
COMPOUND		**UNITS:**				
VOLATILES						
1,1,1-Trichloroethane	5	(µg/L)	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5	(µg/L)	ND	ND	ND	ND
1,1,2-Trichloroethane	1	(µg/L)	ND	ND	ND	ND
1,1-Dichloroethane	5	(µg/L)	ND	ND	ND	0.99 (J)
1,1-Dichloroethene	5	(µg/L)	ND	ND	ND	ND
1,2-Dichloroethane	0.6	(µg/L)	ND	ND	ND	ND
1,2-Dichloroethene, Total	NS	(µg/L)	ND	ND	ND	ND
1,2-Dichloropropane	1	(µg/L)	ND	ND	ND	ND
2-Butanone	50 (G)	(µg/L)	ND	ND	ND	ND
2-Hexanone	50 (G)	(µg/L)	ND	ND	ND	ND
4-Methyl-2-pentanone	NS	(µg/L)	ND	ND	ND	ND
Acetone	50 (G)	(µg/L)	ND	ND	ND	ND
Benzene	1	(µg/L)	ND	ND	ND	ND
Bromodichloromethane	50 (G)	(µg/L)	ND	ND	ND	ND
Bromoform	50 (G)	(µg/L)	ND	ND	ND	ND
Bromomethane	5	(µg/L)	ND	ND	ND	ND
Carbon disulfide	60 (G)	(µg/L)	ND	ND	ND	ND
Carbon Tetrachloride	5	(µg/L)	ND	ND	ND	ND
Chlorobenzene	5	(µg/L)	ND	ND	ND	ND
Chloroethane	5	(µg/L)	ND	ND	ND	ND
Chloroform	7	(µg/L)	ND	ND	ND	ND
Chloromethane	5	(µg/L)	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.4	(µg/L)	ND	ND	ND	ND
Dibromochloromethane	50 (G)	(µg/L)	ND	ND	ND	ND
Ethylbenzene	5	(µg/L)	ND	ND	ND	ND
Methylene Chloride	5	(µg/L)	ND	ND	ND	ND
Styrene	5	(µg/L)	ND	ND	ND	ND
Tetrachloroethene	5	(µg/L)	ND	ND	ND	ND
Toluene	5	(µg/L)	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.4	(µg/L)	ND	ND	ND	ND
Trichloroethene	5	(µg/L)	ND	ND	ND	ND
Vinyl chloride	2	(µg/L)	ND	ND	ND	ND
Xylenes, total	5	(µg/L)	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.
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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2021 Analytical Data Sump Samples Semi-Volatile Organic Compounds

Cherry Farm/River Road September 2021 Sump Sampling EPA Method 8270D	NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample ID: Depth: Source: SDG: Matrix: Sampled:	S-1 480-190061-6 NM TA 480-190061 WATER 9/23/2021	S-2 480-190061-7 NM TA 480-190061 WATER 9/23/2021	S-3 480-190061-8 NM TA 480-190061 WATER 9/23/2021	S-4 480-190061-9 NM TA 480-190061 WATER 9/23/2021
COMPOUND		**UNITS:**				
SEMIVOLATILES						
1,2,4-Trichlorobenzene	5	(µg/L)	ND	ND	ND	ND
1,2-Dichlorobenzene	3	(µg/L)	ND	ND	ND	ND
1,3-Dichlorobenzene	3	(µg/L)	ND	ND	ND	ND
1,4-Dichlorobenzene	3	(µg/L)	ND	ND	ND	ND
2,4,5-Trichlorophenol	NS	(µg/L)	ND	ND	ND	ND
2,4,6-Trichlorophenol	NS	(µg/L)	ND	ND	ND	ND
2,4-Dichlorophenol	1	(µg/L)	ND	ND	ND	ND
2,4-Dimethylphenol	50	(µg/L)	ND	ND	ND	2.5 (J)
2,4-Dinitrophenol	10 (G)	(µg/L)	ND	ND	ND	ND
2,4-Dinitrotoluene	5	(µg/L)	ND	ND	ND	ND
2,6-Dinitrotoluene	5	(µg/L)	ND	ND	ND	ND
2-Chloronaphthalene	10 (G)	(µg/L)	ND	ND	ND	ND
2-Chlorophenol	1	(µg/L)	ND	ND	ND	ND
2-Methylnaphthalene	NS	(µg/L)	ND	ND	ND	ND
2-Methylphenol	1	(µg/L)	ND	ND	ND	ND
2-Nitroaniline	5	(µg/L)	ND	ND	ND	ND
2-Nitrophenol	1	(µg/L)	ND	ND	ND	ND
3,3'-Dichlorobenzidine	5	(µg/L)	ND	ND	ND	ND
3-Nitroaniline	5	(µg/L)	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	1	(µg/L)	ND	ND	ND	ND
4-Bromophenyl phenyl ether	NS	(µg/L)	ND	ND	ND	ND
4-Chloro-3-methylphenol	1	(µg/L)	ND	ND	ND	ND
4-Chloroaniline	5	(µg/L)	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	NS	(µg/L)	ND	ND	ND	ND
4-Methylphenol	1	(µg/L)	ND	ND	ND	ND
4-Nitroaniline	5	(µg/L)	ND	ND	ND	ND
4-Nitrophenol	1	(µg/L)	ND	ND	ND	ND
Acenaphthene	20 (G)	(µg/L)	ND	ND	ND	ND
Acenaphthylene	NS	(µg/L)	ND	ND	ND	ND
Anthracene	50 (G)	(µg/L)	ND	ND	ND	ND
Benzo[a]anthracene	0.002 (G)	(µg/L)	ND	ND	ND	ND
Benzo[a]pyrene	NS	(µg/L)	ND	ND	ND	ND

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

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2021 Analytical Data Sump Samples Semi-Volatile Organic Compounds

Cherry Farm/River Road **September 2021** **Sump Sampling** **EPA Method 8270D**	**NYSDEC Class GA Groundwater Standards/ Guidance Values**	**Sample ID:** **Lab Sample ID:** **Depth:** **Source:** **SDG:** **Matrix:** **Sampled:**	S-1 480-190061-6 NM TA 480-190061 WATER 9/23/2021	S-2 480-190061-7 NM TA 480-190061 WATER 9/23/2021	S-3 480-190061-8 NM TA 480-190061 WATER 9/23/2021	S-4 480-190061-9 NM TA 480-190061 WATER 9/23/2021
COMPOUND		**UNITS:**				
Benzo[b]fluoranthene	0.002 (G)	(µg/L)	ND	ND	ND	ND
Benzo[g,h,i]perylene	NS	(µg/L)	ND	ND	ND	ND
Benzo[k]fluoranthene	0.002 (G)	(µg/L)	ND	ND	ND	ND
Bis(2-chloroethoxy)methane	5	(µg/L)	ND	ND	ND	ND
Bis(2-chloroethyl)ether	1	(µg/L)	ND	ND	ND	ND
Bis(2-chloroisopropyl) ether	5	(µg/L)	ND	ND	ND	ND
Bis(2-ethylhexyl) phthalate	5	(µg/L)	ND	ND	ND	ND
Butyl benzyl phthalate	50 (G)	(µg/L)	ND	ND	ND	ND
Carbazole	NS	(µg/L)	ND	ND	ND	ND
Chrysene	0.002 (G)	(µg/L)	ND	ND	ND	ND
Dibenz[a,h]anthracene	NS	(µg/L)	ND	ND	ND	ND
Dibenzofuran	NS	(µg/L)	ND	ND	ND	ND
Diethyl phthalate	50 (G)	(µg/L)	0.27 (J)	ND	ND	ND
Dimethyl phthalate	50 (G)	(µg/L)	ND	ND	ND	ND
Di-n-butyl phthalate	50	(µg/L)	0.38 (J)	0.33 (J)	ND	ND
Di-n-octyl phthalate	50 (G)	(µg/L)	ND	ND	ND	ND
Fluoranthene	50 (G)	(µg/L)	ND	ND	ND	ND
Fluorene	50 (G)	(µg/L)	ND	ND	ND	ND
Hexachlorobenzene	0.04	(µg/L)	ND	ND	ND	ND
Hexachlorobutadiene	0.5	(µg/L)	ND	ND	ND	ND
Hexachlorocyclopentadiene	5	(µg/L)	ND	ND	ND	ND
Hexachloroethane	5	(µg/L)	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	0.002 (G)	(µg/L)	ND	ND	ND	ND
Isophorone	50 (G)	(µg/L)	ND	ND	ND	ND
Naphthalene	10 (G)	(µg/L)	ND	ND	ND	ND
Nitrobenzene	0.4	(µg/L)	ND	ND	ND	ND
N-Nitrosodi-n-propylamine	NS	(µg/L)	ND	ND	ND	ND
N-Nitrosodiphenylamine	50 (G)	(µg/L)	ND	ND	ND	ND
Pentachlorophenol	5	(µg/L)	ND (*+)	ND (*+)	ND (*+)	ND (*+)
Phenanthrene	50 (G)	(µg/L)	0.52 (J)	ND	ND	ND
Phenol	1	(µg/L)	ND	ND	ND	ND
Pyrene	50 (G)	(µg/L)	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, high biased.

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2021 Analytical Data Sump Samples Pesticides and Polychlorinated Biphenyls

Cherry Farm/River Road September 2021 Sump Sampling EPA Method 8081B EPA Method 8082A COMPOUND	NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample ID: Depth: Source: SDG: Matrix: Sampled: UNITS:	S-1 480-190061-6 NM TA 480-190061 WATER 9/23/2021	S-2 480-190061-7 NM TA 480-190061 WATER 9/23/2021	S-3 480-190061-8 NM TA 480-190061 WATER 9/23/2021	S-4 480-190061-9 NM TA 480-190061 WATER 9/23/2021
PESTICIDES						
4,4'-DDD	0.3	(µg/L)	ND	ND	ND	ND
4,4'-DDE	0.2	(µg/L)	0.039 (J)	ND	ND	ND
4,4'-DDT	0.2	(µg/L)	ND	ND	ND	ND
Aldrin	NS	(µg/L)	ND	ND	ND	ND
alpha-BHC	0.01	(µg/L)	ND	ND	ND	ND
alpha-Chlordane	0.05	(µg/L)	ND	ND	ND	ND
beta-BHC	0.04	(µg/L)	ND	ND	ND	ND
delta-BHC	0.04	(µg/L)	ND	ND	ND	ND
Dieldrin	0.004	(µg/L)	ND	ND	ND	ND
Endosulfan I	NS	(µg/L)	ND	ND	ND	0.028 (J)
Endosulfan II	NS	(µg/L)	ND	ND	ND	ND
Endosulfan sulfate	NS	(µg/L)	ND	ND	ND	ND
Endrin	NS	(µg/L)	ND	ND	ND	ND
Endrin aldehyde	5	(µg/L)	ND	ND	ND	ND
Endrin ketone	5	(µg/L)	0.015 (J)	ND	ND	ND
gamma-BHC (Lindane)	0.05	(µg/L)	0.0092 (J)	ND	ND	0.016 (J)
gamma-Chlordane	0.05	(µg/L)	ND	ND	ND	ND
Heptachlor	0.04	(µg/L)	ND	ND	ND	ND
Heptachlor epoxide	0.03	(µg/L)	ND	ND	ND	ND
Methoxychlor	35	(µg/L)	ND	ND	ND	ND
Toxaphene	0.06	(µg/L)	ND	ND	ND	ND
trans-Chlordane	0.05	(µg/L)	ND	0.028 (J)	ND	ND
PCBs						
Aroclor 1016	Sum of all PCBs is <0.09	(µg/L)	ND	ND	ND	ND
Aroclor 1221		(µg/L)	ND	ND	ND	ND
Aroclor 1232		(µg/L)	ND	ND	ND	**3.3**
Aroclor 1242		(µg/L)	ND	ND	ND	ND
Aroclor 1248		(µg/L)	ND	ND	ND	ND
Aroclor 1254		(µg/L)	ND	ND	ND	ND
Aroclor 1260		(µg/L)	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 va

Appendix A-1

2021 Analytical Data Sump Samples Inorganics

Cherry Farm/River Road September 2021 Sump Sampling EPA Method 6010C	NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample ID: Depth: Source: SDG: Matrix: Sampled:	S-1 480-190061-6 NM TA 480-190061 WATER 9/23/2021	S-2 480-190061-7 NM TA 480-190061 WATER 9/23/2021	S-3 480-190061-8 NM TA 480-190061 WATER 9/23/2021	S-4 480-190061-9 NM TA 480-190061 WATER 9/23/2021
COMPOUND		**UNITS:**				
INORGANICS						
Aluminum	NS	(µg/L)	1,800 (B)	ND	75 (J)(B)	340 (B)
Antimony	3	(µg/L)	ND	ND	ND	ND
Arsenic	25	(µg/L)	8.4 (J)	ND	ND	ND
Barium	1,000	(µg/L)	25	21	30	29
Beryllium	3 (G)	(µg/L)	ND	ND	ND	ND
Cadmium	5	(µg/L)	ND	ND	ND	ND
Calcium	NS	(µg/L)	36,400	12,400	54,400	95,800
Chromium	50	(µg/L)	1.8 (J)	ND	ND	ND
Cobalt	NS	(µg/L)	ND	ND	ND	ND
Copper	200	(µg/L)	3.5 (J)	ND	ND	ND
Iron	300	(µg/L)	**1,600**	77	82	140
Lead	25	(µg/L)	9.3	ND	ND	ND
Magnesium	35,000 (G)	(µg/L)	10,800	480	200	4,000
Manganese	300	(µg/L)	60 (B)	4.1 (B)	41 (B)	73 (B)
Mercury	0.7	(µg/L)	ND	ND	ND	ND
Nickel	100	(µg/L)	1.7 (J)	1.5 (J)	ND	ND
Potassium	NS	(µg/L)	5,800	29,100	39,800	65,600
Selenium	10	(µg/L)	ND	ND	ND	ND
Silver	50	(µg/L)	ND	ND	ND	ND
Sodium	20,000	(µg/L)	1,300	**62,600**	**121,000**	**173,000**
Thallium	0.5 (G)	(µg/L)	ND	ND	ND	ND
Vanadium	NS	(µg/L)	3.0 (J)	4.0 (J)	7.1	5.2
Zinc	2,000 (G)	(µg/L)	19 (B)	12 (B)	ND	6.7 (J)(B)
Cyanide	200	(µg/L)	ND	18	74	38

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

2021 Analytical Data Sump Samples RCRA 8 Metals

Cherry Farm/River Road September 2021 Sump Sampling EPA Method 6010C	NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample ID: Depth: Source: SDG: Matrix: Sampled:	S-1 480-190061-6 NM TA 480-190061 WATER 9/23/2021	S-2 480-190061-7 NM TA 480-190061 WATER 9/23/2021	S-3 480-190061-8 NM TA 480-190061 WATER 9/23/2021	S-4 480-190061-9 NM TA 480-190061 WATER 9/23/2021
COMPOUND		**UNITS:**				
RCRA 8 Metals						
Arsenic	25	**(µg/L)**	8.4 (J)	ND	ND	ND
Barium	1,000	**(µg/L)**	25	21	30	29
Cadmium	10	**(µg/L)**	ND	ND	ND	ND
Chromium	50	**(µg/L)**	1.8 (J)	ND	ND	ND
Lead	25	**(µg/L)**	9.3	ND	ND	ND
Mercury	0.7	**(µg/L)**	ND	ND	ND	ND
Selenium	10	**(µg/L)**	ND	ND	ND	ND
Silver	50	**(µg/L)**	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.
ND = Indicates compound was analyzed for, but not detected at or above the reporting limit.
(J) = Result is less than the Reporting Limit but greater than or equal to the Method Detection Limit and the concentration is an approximate value.

Appendix A-2 2021 September Analytical Data Packages

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 480-190061-1
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:
10/7/2021 8:57:28 AM
Rebecca Jones, Project Management Assistant I
Rebecca.Jones@Eurofinset.com

Designee for

Orlette Johnson, Senior Project Manager
(484)685-0864
Orlette.Johnson@Eurofinset.com

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Definitions/Glossary

Client: Groundwater & Environmental Services Inc
Job ID: 480-190061-1
Project/Site: Cherry Farms Annual GW Sample

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F2	MS/MSD RPD exceeds control 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
*+	LCS and/or LCSD is outside acceptance limits, high biased.
F1	MS and/or MSD recovery exceeds control limits.
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
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 480-190061-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-190061-1

Comments
No additional comments.

Receipt
The samples were received on 9/24/2021 2:30 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 3.7º C and 5.2º 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 (480-190061-1), MW-5 (480-190061-2), MW-5 (480-190061-2[MS]), MW-5 (480-190061-2[MSD]), MW-6 (480-190061-3), RW-4 (480-190061-4), RW-5 (480-190061-5), S-1 (480-190061-6), S-2 (480-190061-7), S-3 (480-190061-8), S-4 (480-190061-9) and DUP (480-190061-10). Elevated reporting limits (RLs) are provided.

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-598610 recovered outside acceptance criteria, low biased, for 1,1-Dichloroethene. 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: MW-4 (480-190061-1), MW-5 (480-190061-2), MW-6 (480-190061-3), RW-4 (480-190061-4), RW-5 (480-190061-5), S-1 (480-190061-6), S-2 (480-190061-7), S-3 (480-190061-8), S-4 (480-190061-9) and DUP (480-190061-10).

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 continuing calibration verification (CCV) associated with batch 480-598205 recovered above the upper control limit for Fluoranthene, Hexachloroethane and Pentachlorophenol. 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-4 (480-190061-1), MW-5 (480-190061-2), MW-6 (480-190061-3), RW-4 (480-190061-4), RW-5 (480-190061-5), S-1 (480-190061-6), S-2 (480-190061-7), S-3 (480-190061-8), S-4 (480-190061-9) and DUP (480-190061-10).

Method 8270D: The following samples were diluted due to color and appearance: S-3 (480-190061-8) and S-4 (480-190061-9). Elevated reporting limits (RL) are provided.

Method 8270D: The laboratory control sample (LCS) for preparation batch 480-598041 and analytical batch 480-598205 recovered outside control limits for the following analytes: Pentachlorophenol. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

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 continuing calibration verification (CCV) associated with batch 480-598676 recovered above the upper control limit for Methoxychlor. 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-1 (480-190061-6), S-2 (480-190061-7), S-3 (480-190061-8) and S-4 (480-190061-9).

Methods 8082, 8082A: The following samples are associated with a continuing calibration verification (CCV 480-598199/31) that had recoveries for the surrogate Decachlorobiphenyl that were above acceptance limits: S-1 (480-190061-6), S-2 (480-190061-7), S-3 (480-190061-8) and S-4 (480-190061-9). The secondary surrogate Tetrachloro-m-xylene is within limits. Therefore, the data has been reported.

Methods 8082, 8082A: The continuing calibration verification (CCV) associated with batch 480-598199 recovered above the upper control limit for 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-1 (480-190061-6), S-2 (480-190061-7), S-3 (480-190061-8) and S-4 (480-190061-9).

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

Job ID: 480-190061-1 (Continued)

Laboratory: Eurofins TestAmerica, Buffalo (Continued)

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

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

Organic Prep
Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 480-598484.

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
Job ID: 480-190061-1
Project/Site: Cherry Farms Annual GW Sample

Client Sample ID: MW-4 — Lab Sample ID: 480-190061-1

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

Client Sample ID: MW-5 — Lab Sample ID: 480-190061-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	14	J F2	20	6.0	ug/L	2		8260C	Total/NA
Phenanthrene	0.49	J	5.0	0.44	ug/L	1		8270D	Total/NA

Client Sample ID: MW-6 — Lab Sample ID: 480-190061-3

No Detections.

Client Sample ID: RW-4 — Lab Sample ID: 480-190061-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Di-n-butyl phthalate	0.35	J	5.0	0.31	ug/L	1		8270D	Total/NA
Diethyl phthalate	1.2	J	5.0	0.22	ug/L	1		8270D	Total/NA

Client Sample ID: RW-5 — Lab Sample ID: 480-190061-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diethyl phthalate	1.6	J	5.0	0.22	ug/L	1		8270D	Total/NA

Client Sample ID: S-1 — Lab Sample ID: 480-190061-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Di-n-butyl phthalate	0.38	J	5.0	0.31	ug/L	1		8270D	Total/NA
Diethyl phthalate	0.27	J	5.0	0.22	ug/L	1		8270D	Total/NA
Phenanthrene	0.52	J	5.0	0.44	ug/L	1		8270D	Total/NA
4,4'-DDE	0.039	J	0.050	0.012	ug/L	1		8081B	Total/NA
Endrin ketone	0.015	J	0.050	0.012	ug/L	1		8081B	Total/NA
gamma-BHC (Lindane)	0.0092	J	0.050	0.0080	ug/L	1		8081B	Total/NA
Aluminum	1.8	B	0.20	0.060	mg/L	1		6010C	Total/NA
Arsenic	0.0084	J	0.010	0.0056	mg/L	1		6010C	Total/NA
Barium	0.025		0.0020	0.00070	mg/L	1		6010C	Total/NA
Calcium	36.4		0.50	0.10	mg/L	1		6010C	Total/NA
Chromium	0.0018	J	0.0040	0.0010	mg/L	1		6010C	Total/NA
Copper	0.0035	J	0.010	0.0016	mg/L	1		6010C	Total/NA
Iron	1.6		0.050	0.019	mg/L	1		6010C	Total/NA
Lead	0.0093		0.0050	0.0030	mg/L	1		6010C	Total/NA
Magnesium	10.8		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	0.060	B	0.0030	0.00040	mg/L	1		6010C	Total/NA
Nickel	0.0017	J	0.010	0.0013	mg/L	1		6010C	Total/NA
Potassium	5.8		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	1.3		1.0	0.32	mg/L	1		6010C	Total/NA
Vanadium	0.0030	J	0.0050	0.0015	mg/L	1		6010C	Total/NA
Zinc	0.019	B	0.010	0.0015	mg/L	1		6010C	Total/NA

Client Sample ID: S-2 — Lab Sample ID: 480-190061-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Di-n-butyl phthalate	0.33	J	5.0	0.31	ug/L	1		8270D	Total/NA
trans-Chlordane	0.028	J	0.050	0.011	ug/L	1		8081B	Total/NA
Barium	0.021		0.0020	0.00070	mg/L	1		6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Client Sample ID: S-2 (Continued)
Lab Sample ID: 480-190061-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	12.4		0.50	0.10	mg/L	1		6010C	Total/NA
Iron	0.077		0.050	0.019	mg/L	1		6010C	Total/NA
Magnesium	0.48		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	0.0041	B	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	29.1		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	62.6		1.0	0.32	mg/L	1		6010C	Total/NA
Vanadium	0.0040	J	0.0050	0.0015	mg/L	1		6010C	Total/NA
Zinc	0.012	B	0.010	0.0015	mg/L	1		6010C	Total/NA
Cyanide, Total	0.018		0.010	0.0050	mg/L	1		9012B	Total/NA

Client Sample ID: S-3
Lab Sample ID: 480-190061-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	0.075	J B	0.20	0.060	mg/L	1		6010C	Total/NA
Barium	0.030		0.0020	0.00070	mg/L	1		6010C	Total/NA
Calcium	54.4		0.50	0.10	mg/L	1		6010C	Total/NA
Iron	0.082		0.050	0.019	mg/L	1		6010C	Total/NA
Magnesium	0.20		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	0.041	B	0.0030	0.00040	mg/L	1		6010C	Total/NA
Potassium	39.8		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	121		1.0	0.32	mg/L	1		6010C	Total/NA
Vanadium	0.0071		0.0050	0.0015	mg/L	1		6010C	Total/NA
Cyanide, Total	0.074		0.010	0.0050	mg/L	1		9012B	Total/NA

Client Sample ID: S-4
Lab Sample ID: 480-190061-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.99	J	2.0	0.76	ug/L	2		8260C	Total/NA
2,4-Dimethylphenol	2.5	J	25	2.5	ug/L	5		8270D	Total/NA
Endosulfan I	0.028	J	0.050	0.011	ug/L	1		8081B	Total/NA
gamma-BHC (Lindane)	0.016	J	0.050	0.0080	ug/L	1		8081B	Total/NA
PCB-1232	3.3		0.50	0.18	ug/L	1		8082A	Total/NA
Aluminum	0.34	B	0.20	0.060	mg/L	1		6010C	Total/NA
Barium	0.029		0.0020	0.00070	mg/L	1		6010C	Total/NA
Calcium	95.8		0.50	0.10	mg/L	1		6010C	Total/NA
Iron	0.14		0.050	0.019	mg/L	1		6010C	Total/NA
Magnesium	4.0		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	0.073	B	0.0030	0.00040	mg/L	1		6010C	Total/NA
Potassium	65.6		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	173		1.0	0.32	mg/L	1		6010C	Total/NA
Vanadium	0.0052		0.0050	0.0015	mg/L	1		6010C	Total/NA
Zinc	0.0067	J B	0.010	0.0015	mg/L	1		6010C	Total/NA
Cyanide, Total	0.038		0.010	0.0050	mg/L	1		9012B	Total/NA

Client Sample ID: DUP
Lab Sample ID: 480-190061-10

No Detections.

This Detection Summary does not include radiochemical test results.

Client: Groundwater & Environmental Services Inc
Job ID: 480-190061-1
Project/Site: Cherry Farms Annual GW Sample

Client Sample ID: MW-4
Lab Sample ID: 480-190061-1
Date Collected: 09/23/21 15:45
Matrix: Water
Date Received: 09/24/21 14:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.0	1.6	ug/L			10/01/21 02:13	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			10/01/21 02:13	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			10/01/21 02:13	2
1,1-Dichloroethane	ND		2.0	0.76	ug/L			10/01/21 02:13	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			10/01/21 02:13	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			10/01/21 02:13	2
1,2-Dichloroethene, Total	ND		4.0	1.6	ug/L			10/01/21 02:13	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			10/01/21 02:13	2
2-Butanone (MEK)	ND		20	2.6	ug/L			10/01/21 02:13	2
2-Hexanone	ND		10	2.5	ug/L			10/01/21 02:13	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			10/01/21 02:13	2
Acetone	ND		20	6.0	ug/L			10/01/21 02:13	2
Benzene	ND		2.0	0.82	ug/L			10/01/21 02:13	2
Bromoform	ND		2.0	0.52	ug/L			10/01/21 02:13	2
Bromomethane	ND		2.0	1.4	ug/L			10/01/21 02:13	2
Carbon disulfide	ND		2.0	0.38	ug/L			10/01/21 02:13	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			10/01/21 02:13	2
Chlorobenzene	ND		2.0	1.5	ug/L			10/01/21 02:13	2
Dibromochloromethane	ND		2.0	0.64	ug/L			10/01/21 02:13	2
Chloroethane	ND		2.0	0.64	ug/L			10/01/21 02:13	2
Chloroform	ND		2.0	0.68	ug/L			10/01/21 02:13	2
Chloromethane	ND		2.0	0.70	ug/L			10/01/21 02:13	2
Bromodichloromethane	ND		2.0	0.78	ug/L			10/01/21 02:13	2
Ethylbenzene	ND		2.0	1.5	ug/L			10/01/21 02:13	2
Methylene Chloride	ND		2.0	0.88	ug/L			10/01/21 02:13	2
Tetrachloroethene	ND		2.0	0.72	ug/L			10/01/21 02:13	2
Toluene	ND		2.0	1.0	ug/L			10/01/21 02:13	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			10/01/21 02:13	2
Trichloroethene	ND		2.0	0.92	ug/L			10/01/21 02:13	2
Vinyl chloride	ND		2.0	1.8	ug/L			10/01/21 02:13	2
Xylenes, Total	ND		4.0	1.3	ug/L			10/01/21 02:13	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			10/01/21 02:13	2
Styrene	ND		2.0	1.5	ug/L			10/01/21 02:13	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*10/01/21 02:13*	*2*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*10/01/21 02:13*	*2*
Toluene-d8 (Surr)	*105*		*80 - 120*		*10/01/21 02:13*	*2*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*10/01/21 02:13*	*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		09/27/21 14:38	09/28/21 17:31	1
1,2,4-Trichlorobenzene	ND		10	0.44	ug/L		09/27/21 14:38	09/28/21 17:31	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		09/27/21 14:38	09/28/21 17:31	1
1,2-Dichlorobenzene	ND		10	0.40	ug/L		09/27/21 14:38	09/28/21 17:31	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		09/27/21 14:38	09/28/21 17:31	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		09/27/21 14:38	09/28/21 17:31	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		09/27/21 14:38	09/28/21 17:31	1
1,3-Dichlorobenzene	ND		10	0.48	ug/L		09/27/21 14:38	09/28/21 17:31	1

Client: Groundwater & Environmental Services Inc
Job ID: 480-190061-1
Project/Site: Cherry Farms Annual GW Sample

Client Sample ID: MW-4
Lab Sample ID: 480-190061-1
Date Collected: 09/23/21 15:45
Matrix: Water
Date Received: 09/24/21 14:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrophenol	ND		10	2.2	ug/L		09/27/21 14:38	09/28/21 17:31	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		09/27/21 14:38	09/28/21 17:31	1
1,4-Dichlorobenzene	ND		10	0.46	ug/L		09/27/21 14:38	09/28/21 17:31	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		09/27/21 14:38	09/28/21 17:31	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		09/27/21 14:38	09/28/21 17:31	1
2-Chlorophenol	ND		5.0	0.53	ug/L		09/27/21 14:38	09/28/21 17:31	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		09/27/21 14:38	09/28/21 17:31	1
2-Methylphenol	ND		5.0	0.40	ug/L		09/27/21 14:38	09/28/21 17:31	1
2-Nitroaniline	ND		10	0.42	ug/L		09/27/21 14:38	09/28/21 17:31	1
2-Nitrophenol	ND		5.0	0.48	ug/L		09/27/21 14:38	09/28/21 17:31	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		09/27/21 14:38	09/28/21 17:31	1
3-Nitroaniline	ND		10	0.48	ug/L		09/27/21 14:38	09/28/21 17:31	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		09/27/21 14:38	09/28/21 17:31	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		09/27/21 14:38	09/28/21 17:31	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		09/27/21 14:38	09/28/21 17:31	1
4-Chloroaniline	ND		5.0	0.59	ug/L		09/27/21 14:38	09/28/21 17:31	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		09/27/21 14:38	09/28/21 17:31	1
4-Methylphenol	ND		10	0.36	ug/L		09/27/21 14:38	09/28/21 17:31	1
4-Nitroaniline	ND		10	0.25	ug/L		09/27/21 14:38	09/28/21 17:31	1
4-Nitrophenol	ND		10	1.5	ug/L		09/27/21 14:38	09/28/21 17:31	1
Acenaphthene	ND		5.0	0.41	ug/L		09/27/21 14:38	09/28/21 17:31	1
Acenaphthylene	ND		5.0	0.38	ug/L		09/27/21 14:38	09/28/21 17:31	1
Anthracene	ND		5.0	0.28	ug/L		09/27/21 14:38	09/28/21 17:31	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		09/27/21 14:38	09/28/21 17:31	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		09/27/21 14:38	09/28/21 17:31	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		09/27/21 14:38	09/28/21 17:31	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		09/27/21 14:38	09/28/21 17:31	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		09/27/21 14:38	09/28/21 17:31	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		09/27/21 14:38	09/28/21 17:31	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		09/27/21 14:38	09/28/21 17:31	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		09/27/21 14:38	09/28/21 17:31	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		09/27/21 14:38	09/28/21 17:31	1
Carbazole	ND		5.0	0.30	ug/L		09/27/21 14:38	09/28/21 17:31	1
Chrysene	ND		5.0	0.33	ug/L		09/27/21 14:38	09/28/21 17:31	1
Di-n-butyl phthalate	**0.31**	**J**	5.0	0.31	ug/L		09/27/21 14:38	09/28/21 17:31	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		09/27/21 14:38	09/28/21 17:31	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		09/27/21 14:38	09/28/21 17:31	1
Dibenzofuran	ND		10	0.51	ug/L		09/27/21 14:38	09/28/21 17:31	1
Diethyl phthalate	ND		5.0	0.22	ug/L		09/27/21 14:38	09/28/21 17:31	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		09/27/21 14:38	09/28/21 17:31	1
Fluoranthene	ND		5.0	0.40	ug/L		09/27/21 14:38	09/28/21 17:31	1
Fluorene	ND		5.0	0.36	ug/L		09/27/21 14:38	09/28/21 17:31	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		09/27/21 14:38	09/28/21 17:31	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		09/27/21 14:38	09/28/21 17:31	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		09/27/21 14:38	09/28/21 17:31	1
Hexachloroethane	ND		5.0	0.59	ug/L		09/27/21 14:38	09/28/21 17:31	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		09/27/21 14:38	09/28/21 17:31	1
Isophorone	ND		5.0	0.43	ug/L		09/27/21 14:38	09/28/21 17:31	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		09/27/21 14:38	09/28/21 17:31	1

Client Sample ID: MW-4
Lab Sample ID: 480-190061-1
Date Collected: 09/23/21 15:45
Matrix: Water
Date Received: 09/24/21 14:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		09/27/21 14:38	09/28/21 17:31	1
Naphthalene	ND		5.0	0.76	ug/L		09/27/21 14:38	09/28/21 17:31	1
Nitrobenzene	ND		5.0	0.29	ug/L		09/27/21 14:38	09/28/21 17:31	1
Pentachlorophenol	ND	*+	10	2.2	ug/L		09/27/21 14:38	09/28/21 17:31	1
Phenanthrene	ND		5.0	0.44	ug/L		09/27/21 14:38	09/28/21 17:31	1
Phenol	ND		5.0	0.39	ug/L		09/27/21 14:38	09/28/21 17:31	1
Pyrene	ND		5.0	0.34	ug/L		09/27/21 14:38	09/28/21 17:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*90*		*41 - 120*	*09/27/21 14:38*	*09/28/21 17:31*	*1*
2-Fluorobiphenyl	*88*		*48 - 120*	*09/27/21 14:38*	*09/28/21 17:31*	*1*
2-Fluorophenol	*56*		*35 - 120*	*09/27/21 14:38*	*09/28/21 17:31*	*1*
Nitrobenzene-d5	*82*		*46 - 120*	*09/27/21 14:38*	*09/28/21 17:31*	*1*
p-Terphenyl-d14	*72*		*60 - 148*	*09/27/21 14:38*	*09/28/21 17:31*	*1*
Phenol-d5	*44*		*22 - 120*	*09/27/21 14:38*	*09/28/21 17:31*	*1*

Client Sample ID: MW-5
Lab Sample ID: 480-190061-2
Date Collected: 09/23/21 15:30
Matrix: Water
Date Received: 09/24/21 14:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.0	1.6	ug/L			10/01/21 02:36	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			10/01/21 02:36	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			10/01/21 02:36	2
1,1-Dichloroethane	ND		2.0	0.76	ug/L			10/01/21 02:36	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			10/01/21 02:36	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			10/01/21 02:36	2
1,2-Dichloroethene, Total	ND		4.0	1.6	ug/L			10/01/21 02:36	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			10/01/21 02:36	2
2-Butanone (MEK)	ND		20	2.6	ug/L			10/01/21 02:36	2
2-Hexanone	ND		10	2.5	ug/L			10/01/21 02:36	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			10/01/21 02:36	2
Acetone	**14**	**J F2**	20	6.0	ug/L			10/01/21 02:36	2
Benzene	ND		2.0	0.82	ug/L			10/01/21 02:36	2
Bromoform	ND		2.0	0.52	ug/L			10/01/21 02:36	2
Bromomethane	ND	F2	2.0	1.4	ug/L			10/01/21 02:36	2
Carbon disulfide	ND		2.0	0.38	ug/L			10/01/21 02:36	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			10/01/21 02:36	2
Chlorobenzene	ND		2.0	1.5	ug/L			10/01/21 02:36	2
Dibromochloromethane	ND		2.0	0.64	ug/L			10/01/21 02:36	2
Chloroethane	ND		2.0	0.64	ug/L			10/01/21 02:36	2
Chloroform	ND		2.0	0.68	ug/L			10/01/21 02:36	2
Chloromethane	ND		2.0	0.70	ug/L			10/01/21 02:36	2
Bromodichloromethane	ND		2.0	0.78	ug/L			10/01/21 02:36	2
Ethylbenzene	ND		2.0	1.5	ug/L			10/01/21 02:36	2
Methylene Chloride	ND		2.0	0.88	ug/L			10/01/21 02:36	2
Tetrachloroethene	ND		2.0	0.72	ug/L			10/01/21 02:36	2
Toluene	ND		2.0	1.0	ug/L			10/01/21 02:36	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			10/01/21 02:36	2

Client: Groundwater & Environmental Services Inc
Job ID: 480-190061-1
Project/Site: Cherry Farms Annual GW Sample

Client Sample ID: MW-5
Lab Sample ID: 480-190061-2
Date Collected: 09/23/21 15:30
Matrix: Water
Date Received: 09/24/21 14:30

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			10/01/21 02:36	2
Vinyl chloride	ND	F2	2.0	1.8	ug/L			10/01/21 02:36	2
Xylenes, Total	ND		4.0	1.3	ug/L			10/01/21 02:36	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			10/01/21 02:36	2
Styrene	ND		2.0	1.5	ug/L			10/01/21 02:36	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*10/01/21 02:36*	*2*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*10/01/21 02:36*	*2*
Toluene-d8 (Surr)	*100*		*80 - 120*		*10/01/21 02:36*	*2*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*10/01/21 02:36*	*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		09/27/21 14:38	09/28/21 17:04	1
1,2,4-Trichlorobenzene	ND		10	0.44	ug/L		09/27/21 14:38	09/28/21 17:04	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		09/27/21 14:38	09/28/21 17:04	1
1,2-Dichlorobenzene	ND		10	0.40	ug/L		09/27/21 14:38	09/28/21 17:04	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		09/27/21 14:38	09/28/21 17:04	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		09/27/21 14:38	09/28/21 17:04	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		09/27/21 14:38	09/28/21 17:04	1
1,3-Dichlorobenzene	ND		10	0.48	ug/L		09/27/21 14:38	09/28/21 17:04	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		09/27/21 14:38	09/28/21 17:04	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		09/27/21 14:38	09/28/21 17:04	1
1,4-Dichlorobenzene	ND		10	0.46	ug/L		09/27/21 14:38	09/28/21 17:04	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		09/27/21 14:38	09/28/21 17:04	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		09/27/21 14:38	09/28/21 17:04	1
2-Chlorophenol	ND		5.0	0.53	ug/L		09/27/21 14:38	09/28/21 17:04	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		09/27/21 14:38	09/28/21 17:04	1
2-Methylphenol	ND	F1	5.0	0.40	ug/L		09/27/21 14:38	09/28/21 17:04	1
2-Nitroaniline	ND		10	0.42	ug/L		09/27/21 14:38	09/28/21 17:04	1
2-Nitrophenol	ND		5.0	0.48	ug/L		09/27/21 14:38	09/28/21 17:04	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		09/27/21 14:38	09/28/21 17:04	1
3-Nitroaniline	ND		10	0.48	ug/L		09/27/21 14:38	09/28/21 17:04	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		09/27/21 14:38	09/28/21 17:04	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		09/27/21 14:38	09/28/21 17:04	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		09/27/21 14:38	09/28/21 17:04	1
4-Chloroaniline	ND		5.0	0.59	ug/L		09/27/21 14:38	09/28/21 17:04	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		09/27/21 14:38	09/28/21 17:04	1
4-Methylphenol	ND		10	0.36	ug/L		09/27/21 14:38	09/28/21 17:04	1
4-Nitroaniline	ND		10	0.25	ug/L		09/27/21 14:38	09/28/21 17:04	1
4-Nitrophenol	ND		10	1.5	ug/L		09/27/21 14:38	09/28/21 17:04	1
Acenaphthene	ND		5.0	0.41	ug/L		09/27/21 14:38	09/28/21 17:04	1
Acenaphthylene	ND		5.0	0.38	ug/L		09/27/21 14:38	09/28/21 17:04	1
Anthracene	ND		5.0	0.28	ug/L		09/27/21 14:38	09/28/21 17:04	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		09/27/21 14:38	09/28/21 17:04	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		09/27/21 14:38	09/28/21 17:04	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		09/27/21 14:38	09/28/21 17:04	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		09/27/21 14:38	09/28/21 17:04	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		09/27/21 14:38	09/28/21 17:04	1

Client Sample ID: MW-5
Lab Sample ID: 480-190061-2
Date Collected: 09/23/21 15:30
Matrix: Water
Date Received: 09/24/21 14:30

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		09/27/21 14:38	09/28/21 17:04	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		09/27/21 14:38	09/28/21 17:04	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		09/27/21 14:38	09/28/21 17:04	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		09/27/21 14:38	09/28/21 17:04	1
Carbazole	ND		5.0	0.30	ug/L		09/27/21 14:38	09/28/21 17:04	1
Chrysene	ND		5.0	0.33	ug/L		09/27/21 14:38	09/28/21 17:04	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		09/27/21 14:38	09/28/21 17:04	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		09/27/21 14:38	09/28/21 17:04	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		09/27/21 14:38	09/28/21 17:04	1
Dibenzofuran	ND		10	0.51	ug/L		09/27/21 14:38	09/28/21 17:04	1
Diethyl phthalate	ND		5.0	0.22	ug/L		09/27/21 14:38	09/28/21 17:04	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		09/27/21 14:38	09/28/21 17:04	1
Fluoranthene	ND		5.0	0.40	ug/L		09/27/21 14:38	09/28/21 17:04	1
Fluorene	ND		5.0	0.36	ug/L		09/27/21 14:38	09/28/21 17:04	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		09/27/21 14:38	09/28/21 17:04	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		09/27/21 14:38	09/28/21 17:04	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		09/27/21 14:38	09/28/21 17:04	1
Hexachloroethane	ND		5.0	0.59	ug/L		09/27/21 14:38	09/28/21 17:04	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		09/27/21 14:38	09/28/21 17:04	1
Isophorone	ND		5.0	0.43	ug/L		09/27/21 14:38	09/28/21 17:04	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		09/27/21 14:38	09/28/21 17:04	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		09/27/21 14:38	09/28/21 17:04	1
Naphthalene	ND		5.0	0.76	ug/L		09/27/21 14:38	09/28/21 17:04	1
Nitrobenzene	ND		5.0	0.29	ug/L		09/27/21 14:38	09/28/21 17:04	1
Pentachlorophenol	ND	*+ F1	10	2.2	ug/L		09/27/21 14:38	09/28/21 17:04	1
Phenanthrene	**0.49**	**J**	5.0	0.44	ug/L		09/27/21 14:38	09/28/21 17:04	1
Phenol	ND		5.0	0.39	ug/L		09/27/21 14:38	09/28/21 17:04	1
Pyrene	ND		5.0	0.34	ug/L		09/27/21 14:38	09/28/21 17:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*99*		*41 - 120*	*09/27/21 14:38*	*09/28/21 17:04*	*1*
2-Fluorobiphenyl	*83*		*48 - 120*	*09/27/21 14:38*	*09/28/21 17:04*	*1*
2-Fluorophenol	*60*		*35 - 120*	*09/27/21 14:38*	*09/28/21 17:04*	*1*
Nitrobenzene-d5	*89*		*46 - 120*	*09/27/21 14:38*	*09/28/21 17:04*	*1*
p-Terphenyl-d14	*79*		*60 - 148*	*09/27/21 14:38*	*09/28/21 17:04*	*1*
Phenol-d5	*44*		*22 - 120*	*09/27/21 14:38*	*09/28/21 17:04*	*1*

Client Sample ID: MW-6
Lab Sample ID: 480-190061-3
Date Collected: 09/23/21 15:15
Matrix: Water
Date Received: 09/24/21 14:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.0	1.6	ug/L			10/01/21 03:00	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			10/01/21 03:00	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			10/01/21 03:00	2
1,1-Dichloroethane	ND		2.0	0.76	ug/L			10/01/21 03:00	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			10/01/21 03:00	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			10/01/21 03:00	2
1,2-Dichloroethene, Total	ND		4.0	1.6	ug/L			10/01/21 03:00	2

Client Sample ID: MW-6
Lab Sample ID: 480-190061-3
Date Collected: 09/23/21 15:15
Matrix: Water
Date Received: 09/24/21 14:30

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			10/01/21 03:00	2
2-Butanone (MEK)	ND		20	2.6	ug/L			10/01/21 03:00	2
2-Hexanone	ND		10	2.5	ug/L			10/01/21 03:00	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			10/01/21 03:00	2
Acetone	ND		20	6.0	ug/L			10/01/21 03:00	2
Benzene	ND		2.0	0.82	ug/L			10/01/21 03:00	2
Bromoform	ND		2.0	0.52	ug/L			10/01/21 03:00	2
Bromomethane	ND		2.0	1.4	ug/L			10/01/21 03:00	2
Carbon disulfide	ND		2.0	0.38	ug/L			10/01/21 03:00	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			10/01/21 03:00	2
Chlorobenzene	ND		2.0	1.5	ug/L			10/01/21 03:00	2
Dibromochloromethane	ND		2.0	0.64	ug/L			10/01/21 03:00	2
Chloroethane	ND		2.0	0.64	ug/L			10/01/21 03:00	2
Chloroform	ND		2.0	0.68	ug/L			10/01/21 03:00	2
Chloromethane	ND		2.0	0.70	ug/L			10/01/21 03:00	2
Bromodichloromethane	ND		2.0	0.78	ug/L			10/01/21 03:00	2
Ethylbenzene	ND		2.0	1.5	ug/L			10/01/21 03:00	2
Methylene Chloride	ND		2.0	0.88	ug/L			10/01/21 03:00	2
Tetrachloroethene	ND		2.0	0.72	ug/L			10/01/21 03:00	2
Toluene	ND		2.0	1.0	ug/L			10/01/21 03:00	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			10/01/21 03:00	2
Trichloroethene	ND		2.0	0.92	ug/L			10/01/21 03:00	2
Vinyl chloride	ND		2.0	1.8	ug/L			10/01/21 03:00	2
Xylenes, Total	ND		4.0	1.3	ug/L			10/01/21 03:00	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			10/01/21 03:00	2
Styrene	ND		2.0	1.5	ug/L			10/01/21 03:00	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*10/01/21 03:00*	*2*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*10/01/21 03:00*	*2*
Toluene-d8 (Surr)	*102*		*80 - 120*		*10/01/21 03:00*	*2*
Dibromofluoromethane (Surr)	*95*		*75 - 123*		*10/01/21 03:00*	*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		09/27/21 14:38	09/28/21 17:57	1
1,2,4-Trichlorobenzene	ND		10	0.44	ug/L		09/27/21 14:38	09/28/21 17:57	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		09/27/21 14:38	09/28/21 17:57	1
1,2-Dichlorobenzene	ND		10	0.40	ug/L		09/27/21 14:38	09/28/21 17:57	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		09/27/21 14:38	09/28/21 17:57	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		09/27/21 14:38	09/28/21 17:57	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		09/27/21 14:38	09/28/21 17:57	1
1,3-Dichlorobenzene	ND		10	0.48	ug/L		09/27/21 14:38	09/28/21 17:57	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		09/27/21 14:38	09/28/21 17:57	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		09/27/21 14:38	09/28/21 17:57	1
1,4-Dichlorobenzene	ND		10	0.46	ug/L		09/27/21 14:38	09/28/21 17:57	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		09/27/21 14:38	09/28/21 17:57	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		09/27/21 14:38	09/28/21 17:57	1
2-Chlorophenol	ND		5.0	0.53	ug/L		09/27/21 14:38	09/28/21 17:57	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		09/27/21 14:38	09/28/21 17:57	1

Client: Groundwater & Environmental Services Inc
Job ID: 480-190061-1
Project/Site: Cherry Farms Annual GW Sample

Client Sample ID: MW-6
Lab Sample ID: 480-190061-3
Date Collected: 09/23/21 15:15
Matrix: Water
Date Received: 09/24/21 14:30

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		09/27/21 14:38	09/28/21 17:57	1
2-Nitroaniline	ND		10	0.42	ug/L		09/27/21 14:38	09/28/21 17:57	1
2-Nitrophenol	ND		5.0	0.48	ug/L		09/27/21 14:38	09/28/21 17:57	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		09/27/21 14:38	09/28/21 17:57	1
3-Nitroaniline	ND		10	0.48	ug/L		09/27/21 14:38	09/28/21 17:57	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		09/27/21 14:38	09/28/21 17:57	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		09/27/21 14:38	09/28/21 17:57	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		09/27/21 14:38	09/28/21 17:57	1
4-Chloroaniline	ND		5.0	0.59	ug/L		09/27/21 14:38	09/28/21 17:57	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		09/27/21 14:38	09/28/21 17:57	1
4-Methylphenol	ND		10	0.36	ug/L		09/27/21 14:38	09/28/21 17:57	1
4-Nitroaniline	ND		10	0.25	ug/L		09/27/21 14:38	09/28/21 17:57	1
4-Nitrophenol	ND		10	1.5	ug/L		09/27/21 14:38	09/28/21 17:57	1
Acenaphthene	ND		5.0	0.41	ug/L		09/27/21 14:38	09/28/21 17:57	1
Acenaphthylene	ND		5.0	0.38	ug/L		09/27/21 14:38	09/28/21 17:57	1
Anthracene	ND		5.0	0.28	ug/L		09/27/21 14:38	09/28/21 17:57	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		09/27/21 14:38	09/28/21 17:57	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		09/27/21 14:38	09/28/21 17:57	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		09/27/21 14:38	09/28/21 17:57	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		09/27/21 14:38	09/28/21 17:57	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		09/27/21 14:38	09/28/21 17:57	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		09/27/21 14:38	09/28/21 17:57	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		09/27/21 14:38	09/28/21 17:57	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		09/27/21 14:38	09/28/21 17:57	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		09/27/21 14:38	09/28/21 17:57	1
Carbazole	ND		5.0	0.30	ug/L		09/27/21 14:38	09/28/21 17:57	1
Chrysene	ND		5.0	0.33	ug/L		09/27/21 14:38	09/28/21 17:57	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		09/27/21 14:38	09/28/21 17:57	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		09/27/21 14:38	09/28/21 17:57	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		09/27/21 14:38	09/28/21 17:57	1
Dibenzofuran	ND		10	0.51	ug/L		09/27/21 14:38	09/28/21 17:57	1
Diethyl phthalate	ND		5.0	0.22	ug/L		09/27/21 14:38	09/28/21 17:57	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		09/27/21 14:38	09/28/21 17:57	1
Fluoranthene	ND		5.0	0.40	ug/L		09/27/21 14:38	09/28/21 17:57	1
Fluorene	ND		5.0	0.36	ug/L		09/27/21 14:38	09/28/21 17:57	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		09/27/21 14:38	09/28/21 17:57	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		09/27/21 14:38	09/28/21 17:57	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		09/27/21 14:38	09/28/21 17:57	1
Hexachloroethane	ND		5.0	0.59	ug/L		09/27/21 14:38	09/28/21 17:57	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		09/27/21 14:38	09/28/21 17:57	1
Isophorone	ND		5.0	0.43	ug/L		09/27/21 14:38	09/28/21 17:57	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		09/27/21 14:38	09/28/21 17:57	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		09/27/21 14:38	09/28/21 17:57	1
Naphthalene	ND		5.0	0.76	ug/L		09/27/21 14:38	09/28/21 17:57	1
Nitrobenzene	ND		5.0	0.29	ug/L		09/27/21 14:38	09/28/21 17:57	1
Pentachlorophenol	ND	*+	10	2.2	ug/L		09/27/21 14:38	09/28/21 17:57	1
Phenanthrene	ND		5.0	0.44	ug/L		09/27/21 14:38	09/28/21 17:57	1
Phenol	ND		5.0	0.39	ug/L		09/27/21 14:38	09/28/21 17:57	1
Pyrene	ND		5.0	0.34	ug/L		09/27/21 14:38	09/28/21 17:57	1

Client Sample ID: MW-6
Lab Sample ID: 480-190061-3
Date Collected: 09/23/21 15:15
Matrix: Water
Date Received: 09/24/21 14:30

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	*92*		*41 - 120*	*09/27/21 14:38*	*09/28/21 17:57*	*1*
2-Fluorobiphenyl	*84*		*48 - 120*	*09/27/21 14:38*	*09/28/21 17:57*	*1*
2-Fluorophenol	*58*		*35 - 120*	*09/27/21 14:38*	*09/28/21 17:57*	*1*
Nitrobenzene-d5	*86*		*46 - 120*	*09/27/21 14:38*	*09/28/21 17:57*	*1*
p-Terphenyl-d14	*75*		*60 - 148*	*09/27/21 14:38*	*09/28/21 17:57*	*1*
Phenol-d5	*44*		*22 - 120*	*09/27/21 14:38*	*09/28/21 17:57*	*1*

Client Sample ID: RW-4
Lab Sample ID: 480-190061-4
Date Collected: 09/24/21 13:40
Matrix: Water
Date Received: 09/24/21 14:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.0	1.6	ug/L			10/01/21 03:23	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			10/01/21 03:23	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			10/01/21 03:23	2
1,1-Dichloroethane	ND		2.0	0.76	ug/L			10/01/21 03:23	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			10/01/21 03:23	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			10/01/21 03:23	2
1,2-Dichloroethene, Total	ND		4.0	1.6	ug/L			10/01/21 03:23	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			10/01/21 03:23	2
2-Butanone (MEK)	ND		20	2.6	ug/L			10/01/21 03:23	2
2-Hexanone	ND		10	2.5	ug/L			10/01/21 03:23	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			10/01/21 03:23	2
Acetone	ND		20	6.0	ug/L			10/01/21 03:23	2
Benzene	ND		2.0	0.82	ug/L			10/01/21 03:23	2
Bromoform	ND		2.0	0.52	ug/L			10/01/21 03:23	2
Bromomethane	ND		2.0	1.4	ug/L			10/01/21 03:23	2
Carbon disulfide	ND		2.0	0.38	ug/L			10/01/21 03:23	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			10/01/21 03:23	2
Chlorobenzene	ND		2.0	1.5	ug/L			10/01/21 03:23	2
Dibromochloromethane	ND		2.0	0.64	ug/L			10/01/21 03:23	2
Chloroethane	ND		2.0	0.64	ug/L			10/01/21 03:23	2
Chloroform	ND		2.0	0.68	ug/L			10/01/21 03:23	2
Chloromethane	ND		2.0	0.70	ug/L			10/01/21 03:23	2
Bromodichloromethane	ND		2.0	0.78	ug/L			10/01/21 03:23	2
Ethylbenzene	ND		2.0	1.5	ug/L			10/01/21 03:23	2
Methylene Chloride	ND		2.0	0.88	ug/L			10/01/21 03:23	2
Tetrachloroethene	ND		2.0	0.72	ug/L			10/01/21 03:23	2
Toluene	ND		2.0	1.0	ug/L			10/01/21 03:23	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			10/01/21 03:23	2
Trichloroethene	ND		2.0	0.92	ug/L			10/01/21 03:23	2
Vinyl chloride	ND		2.0	1.8	ug/L			10/01/21 03:23	2
Xylenes, Total	ND		4.0	1.3	ug/L			10/01/21 03:23	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			10/01/21 03:23	2
Styrene	ND		2.0	1.5	ug/L			10/01/21 03:23	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*10/01/21 03:23*	*2*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*10/01/21 03:23*	*2*
Toluene-d8 (Surr)	*101*		*80 - 120*		*10/01/21 03:23*	*2*

Client: Groundwater & Environmental Services Inc
Job ID: 480-190061-1
Project/Site: Cherry Farms Annual GW Sample

Client Sample ID: RW-4
Lab Sample ID: 480-190061-4
Date Collected: 09/24/21 13:40
Matrix: Water
Date Received: 09/24/21 14:30

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*10/01/21 03:23*	*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		09/27/21 14:38	09/28/21 18:23	1
1,2,4-Trichlorobenzene	ND		10	0.44	ug/L		09/27/21 14:38	09/28/21 18:23	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		09/27/21 14:38	09/28/21 18:23	1
1,2-Dichlorobenzene	ND		10	0.40	ug/L		09/27/21 14:38	09/28/21 18:23	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		09/27/21 14:38	09/28/21 18:23	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		09/27/21 14:38	09/28/21 18:23	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		09/27/21 14:38	09/28/21 18:23	1
1,3-Dichlorobenzene	ND		10	0.48	ug/L		09/27/21 14:38	09/28/21 18:23	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		09/27/21 14:38	09/28/21 18:23	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		09/27/21 14:38	09/28/21 18:23	1
1,4-Dichlorobenzene	ND		10	0.46	ug/L		09/27/21 14:38	09/28/21 18:23	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		09/27/21 14:38	09/28/21 18:23	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		09/27/21 14:38	09/28/21 18:23	1
2-Chlorophenol	ND		5.0	0.53	ug/L		09/27/21 14:38	09/28/21 18:23	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		09/27/21 14:38	09/28/21 18:23	1
2-Methylphenol	ND		5.0	0.40	ug/L		09/27/21 14:38	09/28/21 18:23	1
2-Nitroaniline	ND		10	0.42	ug/L		09/27/21 14:38	09/28/21 18:23	1
2-Nitrophenol	ND		5.0	0.48	ug/L		09/27/21 14:38	09/28/21 18:23	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		09/27/21 14:38	09/28/21 18:23	1
3-Nitroaniline	ND		10	0.48	ug/L		09/27/21 14:38	09/28/21 18:23	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		09/27/21 14:38	09/28/21 18:23	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		09/27/21 14:38	09/28/21 18:23	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		09/27/21 14:38	09/28/21 18:23	1
4-Chloroaniline	ND		5.0	0.59	ug/L		09/27/21 14:38	09/28/21 18:23	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		09/27/21 14:38	09/28/21 18:23	1
4-Methylphenol	ND		10	0.36	ug/L		09/27/21 14:38	09/28/21 18:23	1
4-Nitroaniline	ND		10	0.25	ug/L		09/27/21 14:38	09/28/21 18:23	1
4-Nitrophenol	ND		10	1.5	ug/L		09/27/21 14:38	09/28/21 18:23	1
Acenaphthene	ND		5.0	0.41	ug/L		09/27/21 14:38	09/28/21 18:23	1
Acenaphthylene	ND		5.0	0.38	ug/L		09/27/21 14:38	09/28/21 18:23	1
Anthracene	ND		5.0	0.28	ug/L		09/27/21 14:38	09/28/21 18:23	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		09/27/21 14:38	09/28/21 18:23	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		09/27/21 14:38	09/28/21 18:23	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		09/27/21 14:38	09/28/21 18:23	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		09/27/21 14:38	09/28/21 18:23	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		09/27/21 14:38	09/28/21 18:23	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		09/27/21 14:38	09/28/21 18:23	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		09/27/21 14:38	09/28/21 18:23	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		09/27/21 14:38	09/28/21 18:23	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		09/27/21 14:38	09/28/21 18:23	1
Carbazole	ND		5.0	0.30	ug/L		09/27/21 14:38	09/28/21 18:23	1
Chrysene	ND		5.0	0.33	ug/L		09/27/21 14:38	09/28/21 18:23	1
Di-n-butyl phthalate	**0.35**	**J**	5.0	0.31	ug/L		09/27/21 14:38	09/28/21 18:23	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		09/27/21 14:38	09/28/21 18:23	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		09/27/21 14:38	09/28/21 18:23	1

Client Sample ID: RW-4
Lab Sample ID: 480-190061-4
Date Collected: 09/24/21 13:40
Matrix: Water
Date Received: 09/24/21 14:30

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		09/27/21 14:38	09/28/21 18:23	1
Diethyl phthalate	**1.2**	**J**	5.0	0.22	ug/L		09/27/21 14:38	09/28/21 18:23	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		09/27/21 14:38	09/28/21 18:23	1
Fluoranthene	ND		5.0	0.40	ug/L		09/27/21 14:38	09/28/21 18:23	1
Fluorene	ND		5.0	0.36	ug/L		09/27/21 14:38	09/28/21 18:23	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		09/27/21 14:38	09/28/21 18:23	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		09/27/21 14:38	09/28/21 18:23	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		09/27/21 14:38	09/28/21 18:23	1
Hexachloroethane	ND		5.0	0.59	ug/L		09/27/21 14:38	09/28/21 18:23	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		09/27/21 14:38	09/28/21 18:23	1
Isophorone	ND		5.0	0.43	ug/L		09/27/21 14:38	09/28/21 18:23	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		09/27/21 14:38	09/28/21 18:23	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		09/27/21 14:38	09/28/21 18:23	1
Naphthalene	ND		5.0	0.76	ug/L		09/27/21 14:38	09/28/21 18:23	1
Nitrobenzene	ND		5.0	0.29	ug/L		09/27/21 14:38	09/28/21 18:23	1
Pentachlorophenol	ND	*+	10	2.2	ug/L		09/27/21 14:38	09/28/21 18:23	1
Phenanthrene	ND		5.0	0.44	ug/L		09/27/21 14:38	09/28/21 18:23	1
Phenol	ND		5.0	0.39	ug/L		09/27/21 14:38	09/28/21 18:23	1
Pyrene	ND		5.0	0.34	ug/L		09/27/21 14:38	09/28/21 18:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*98*		*41 - 120*	*09/27/21 14:38*	*09/28/21 18:23*	*1*
2-Fluorobiphenyl	*73*		*48 - 120*	*09/27/21 14:38*	*09/28/21 18:23*	*1*
2-Fluorophenol	*49*		*35 - 120*	*09/27/21 14:38*	*09/28/21 18:23*	*1*
Nitrobenzene-d5	*72*		*46 - 120*	*09/27/21 14:38*	*09/28/21 18:23*	*1*
p-Terphenyl-d14	*94*		*60 - 148*	*09/27/21 14:38*	*09/28/21 18:23*	*1*
Phenol-d5	*42*		*22 - 120*	*09/27/21 14:38*	*09/28/21 18:23*	*1*

Client Sample ID: RW-5
Lab Sample ID: 480-190061-5
Date Collected: 09/24/21 11:10
Matrix: Water
Date Received: 09/24/21 14:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.0	1.6	ug/L			10/01/21 03:46	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			10/01/21 03:46	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			10/01/21 03:46	2
1,1-Dichloroethane	ND		2.0	0.76	ug/L			10/01/21 03:46	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			10/01/21 03:46	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			10/01/21 03:46	2
1,2-Dichloroethene, Total	ND		4.0	1.6	ug/L			10/01/21 03:46	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			10/01/21 03:46	2
2-Butanone (MEK)	ND		20	2.6	ug/L			10/01/21 03:46	2
2-Hexanone	ND		10	2.5	ug/L			10/01/21 03:46	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			10/01/21 03:46	2
Acetone	ND		20	6.0	ug/L			10/01/21 03:46	2
Benzene	ND		2.0	0.82	ug/L			10/01/21 03:46	2
Bromoform	ND		2.0	0.52	ug/L			10/01/21 03:46	2
Bromomethane	ND		2.0	1.4	ug/L			10/01/21 03:46	2
Carbon disulfide	ND		2.0	0.38	ug/L			10/01/21 03:46	2

Client: Groundwater & Environmental Services Inc
Job ID: 480-190061-1
Project/Site: Cherry Farms Annual GW Sample

Client Sample ID: RW-5
Lab Sample ID: 480-190061-5
Date Collected: 09/24/21 11:10
Matrix: Water
Date Received: 09/24/21 14:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND		2.0	0.54	ug/L			10/01/21 03:46	2
Chlorobenzene	ND		2.0	1.5	ug/L			10/01/21 03:46	2
Dibromochloromethane	ND		2.0	0.64	ug/L			10/01/21 03:46	2
Chloroethane	ND		2.0	0.64	ug/L			10/01/21 03:46	2
Chloroform	ND		2.0	0.68	ug/L			10/01/21 03:46	2
Chloromethane	ND		2.0	0.70	ug/L			10/01/21 03:46	2
Bromodichloromethane	ND		2.0	0.78	ug/L			10/01/21 03:46	2
Ethylbenzene	ND		2.0	1.5	ug/L			10/01/21 03:46	2
Methylene Chloride	ND		2.0	0.88	ug/L			10/01/21 03:46	2
Tetrachloroethene	ND		2.0	0.72	ug/L			10/01/21 03:46	2
Toluene	ND		2.0	1.0	ug/L			10/01/21 03:46	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			10/01/21 03:46	2
Trichloroethene	ND		2.0	0.92	ug/L			10/01/21 03:46	2
Vinyl chloride	ND		2.0	1.8	ug/L			10/01/21 03:46	2
Xylenes, Total	ND		4.0	1.3	ug/L			10/01/21 03:46	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			10/01/21 03:46	2
Styrene	ND		2.0	1.5	ug/L			10/01/21 03:46	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*10/01/21 03:46*	*2*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*10/01/21 03:46*	*2*
Toluene-d8 (Surr)	*98*		*80 - 120*		*10/01/21 03:46*	*2*
Dibromofluoromethane (Surr)	*93*		*75 - 123*		*10/01/21 03:46*	*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		09/27/21 14:38	09/28/21 18:50	1
1,2,4-Trichlorobenzene	ND		10	0.44	ug/L		09/27/21 14:38	09/28/21 18:50	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		09/27/21 14:38	09/28/21 18:50	1
1,2-Dichlorobenzene	ND		10	0.40	ug/L		09/27/21 14:38	09/28/21 18:50	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		09/27/21 14:38	09/28/21 18:50	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		09/27/21 14:38	09/28/21 18:50	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		09/27/21 14:38	09/28/21 18:50	1
1,3-Dichlorobenzene	ND		10	0.48	ug/L		09/27/21 14:38	09/28/21 18:50	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		09/27/21 14:38	09/28/21 18:50	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		09/27/21 14:38	09/28/21 18:50	1
1,4-Dichlorobenzene	ND		10	0.46	ug/L		09/27/21 14:38	09/28/21 18:50	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		09/27/21 14:38	09/28/21 18:50	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		09/27/21 14:38	09/28/21 18:50	1
2-Chlorophenol	ND		5.0	0.53	ug/L		09/27/21 14:38	09/28/21 18:50	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		09/27/21 14:38	09/28/21 18:50	1
2-Methylphenol	ND		5.0	0.40	ug/L		09/27/21 14:38	09/28/21 18:50	1
2-Nitroaniline	ND		10	0.42	ug/L		09/27/21 14:38	09/28/21 18:50	1
2-Nitrophenol	ND		5.0	0.48	ug/L		09/27/21 14:38	09/28/21 18:50	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		09/27/21 14:38	09/28/21 18:50	1
3-Nitroaniline	ND		10	0.48	ug/L		09/27/21 14:38	09/28/21 18:50	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		09/27/21 14:38	09/28/21 18:50	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		09/27/21 14:38	09/28/21 18:50	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		09/27/21 14:38	09/28/21 18:50	1
4-Chloroaniline	ND		5.0	0.59	ug/L		09/27/21 14:38	09/28/21 18:50	1

Client: Groundwater & Environmental Services Inc
Job ID: 480-190061-1
Project/Site: Cherry Farms Annual GW Sample

Client Sample ID: RW-5
Lab Sample ID: 480-190061-5
Date Collected: 09/24/21 11:10
Matrix: Water
Date Received: 09/24/21 14:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		09/27/21 14:38	09/28/21 18:50	1
4-Methylphenol	ND		10	0.36	ug/L		09/27/21 14:38	09/28/21 18:50	1
4-Nitroaniline	ND		10	0.25	ug/L		09/27/21 14:38	09/28/21 18:50	1
4-Nitrophenol	ND		10	1.5	ug/L		09/27/21 14:38	09/28/21 18:50	1
Acenaphthene	ND		5.0	0.41	ug/L		09/27/21 14:38	09/28/21 18:50	1
Acenaphthylene	ND		5.0	0.38	ug/L		09/27/21 14:38	09/28/21 18:50	1
Anthracene	ND		5.0	0.28	ug/L		09/27/21 14:38	09/28/21 18:50	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		09/27/21 14:38	09/28/21 18:50	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		09/27/21 14:38	09/28/21 18:50	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		09/27/21 14:38	09/28/21 18:50	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		09/27/21 14:38	09/28/21 18:50	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		09/27/21 14:38	09/28/21 18:50	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		09/27/21 14:38	09/28/21 18:50	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		09/27/21 14:38	09/28/21 18:50	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		09/27/21 14:38	09/28/21 18:50	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		09/27/21 14:38	09/28/21 18:50	1
Carbazole	ND		5.0	0.30	ug/L		09/27/21 14:38	09/28/21 18:50	1
Chrysene	ND		5.0	0.33	ug/L		09/27/21 14:38	09/28/21 18:50	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		09/27/21 14:38	09/28/21 18:50	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		09/27/21 14:38	09/28/21 18:50	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		09/27/21 14:38	09/28/21 18:50	1
Dibenzofuran	ND		10	0.51	ug/L		09/27/21 14:38	09/28/21 18:50	1
Diethyl phthalate	**1.6**	**J**	5.0	0.22	ug/L		09/27/21 14:38	09/28/21 18:50	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		09/27/21 14:38	09/28/21 18:50	1
Fluoranthene	ND		5.0	0.40	ug/L		09/27/21 14:38	09/28/21 18:50	1
Fluorene	ND		5.0	0.36	ug/L		09/27/21 14:38	09/28/21 18:50	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		09/27/21 14:38	09/28/21 18:50	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		09/27/21 14:38	09/28/21 18:50	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		09/27/21 14:38	09/28/21 18:50	1
Hexachloroethane	ND		5.0	0.59	ug/L		09/27/21 14:38	09/28/21 18:50	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		09/27/21 14:38	09/28/21 18:50	1
Isophorone	ND		5.0	0.43	ug/L		09/27/21 14:38	09/28/21 18:50	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		09/27/21 14:38	09/28/21 18:50	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		09/27/21 14:38	09/28/21 18:50	1
Naphthalene	ND		5.0	0.76	ug/L		09/27/21 14:38	09/28/21 18:50	1
Nitrobenzene	ND		5.0	0.29	ug/L		09/27/21 14:38	09/28/21 18:50	1
Pentachlorophenol	ND	*+	10	2.2	ug/L		09/27/21 14:38	09/28/21 18:50	1
Phenanthrene	ND		5.0	0.44	ug/L		09/27/21 14:38	09/28/21 18:50	1
Phenol	ND		5.0	0.39	ug/L		09/27/21 14:38	09/28/21 18:50	1
Pyrene	ND		5.0	0.34	ug/L		09/27/21 14:38	09/28/21 18:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*93*		*41 - 120*	*09/27/21 14:38*	*09/28/21 18:50*	*1*
2-Fluorobiphenyl	*73*		*48 - 120*	*09/27/21 14:38*	*09/28/21 18:50*	*1*
2-Fluorophenol	*40*		*35 - 120*	*09/27/21 14:38*	*09/28/21 18:50*	*1*
Nitrobenzene-d5	*69*		*46 - 120*	*09/27/21 14:38*	*09/28/21 18:50*	*1*
p-Terphenyl-d14	*76*		*60 - 148*	*09/27/21 14:38*	*09/28/21 18:50*	*1*
Phenol-d5	*34*		*22 - 120*	*09/27/21 14:38*	*09/28/21 18:50*	*1*

Client: Groundwater & Environmental Services Inc
Job ID: 480-190061-1
Project/Site: Cherry Farms Annual GW Sample

Client Sample ID: S-1
Lab Sample ID: 480-190061-6
Date Collected: 09/23/21 12:30
Matrix: Water
Date Received: 09/24/21 14:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.0	3.3	ug/L			10/01/21 04:09	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			10/01/21 04:09	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			10/01/21 04:09	4
1,1-Dichloroethane	ND		4.0	1.5	ug/L			10/01/21 04:09	4
1,1-Dichloroethene	ND		4.0	1.2	ug/L			10/01/21 04:09	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			10/01/21 04:09	4
1,2-Dichloroethene, Total	ND		8.0	3.2	ug/L			10/01/21 04:09	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			10/01/21 04:09	4
2-Butanone (MEK)	ND		40	5.3	ug/L			10/01/21 04:09	4
2-Hexanone	ND		20	5.0	ug/L			10/01/21 04:09	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			10/01/21 04:09	4
Acetone	ND		40	12	ug/L			10/01/21 04:09	4
Benzene	ND		4.0	1.6	ug/L			10/01/21 04:09	4
Bromoform	ND		4.0	1.0	ug/L			10/01/21 04:09	4
Bromomethane	ND		4.0	2.8	ug/L			10/01/21 04:09	4
Carbon disulfide	ND		4.0	0.76	ug/L			10/01/21 04:09	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			10/01/21 04:09	4
Chlorobenzene	ND		4.0	3.0	ug/L			10/01/21 04:09	4
Dibromochloromethane	ND		4.0	1.3	ug/L			10/01/21 04:09	4
Chloroethane	ND		4.0	1.3	ug/L			10/01/21 04:09	4
Chloroform	ND		4.0	1.4	ug/L			10/01/21 04:09	4
Chloromethane	ND		4.0	1.4	ug/L			10/01/21 04:09	4
Bromodichloromethane	ND		4.0	1.6	ug/L			10/01/21 04:09	4
Ethylbenzene	ND		4.0	3.0	ug/L			10/01/21 04:09	4
Methylene Chloride	ND		4.0	1.8	ug/L			10/01/21 04:09	4
Tetrachloroethene	ND		4.0	1.4	ug/L			10/01/21 04:09	4
Toluene	ND		4.0	2.0	ug/L			10/01/21 04:09	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			10/01/21 04:09	4
Trichloroethene	ND		4.0	1.8	ug/L			10/01/21 04:09	4
Vinyl chloride	ND		4.0	3.6	ug/L			10/01/21 04:09	4
Xylenes, Total	ND		8.0	2.6	ug/L			10/01/21 04:09	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			10/01/21 04:09	4
Styrene	ND		4.0	2.9	ug/L			10/01/21 04:09	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*10/01/21 04:09*	*4*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*10/01/21 04:09*	*4*
Toluene-d8 (Surr)	*101*		*80 - 120*		*10/01/21 04:09*	*4*
Dibromofluoromethane (Surr)	*97*		*75 - 123*		*10/01/21 04:09*	*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		09/27/21 14:38	09/28/21 19:16	1
1,2,4-Trichlorobenzene	ND		10	0.44	ug/L		09/27/21 14:38	09/28/21 19:16	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		09/27/21 14:38	09/28/21 19:16	1
1,2-Dichlorobenzene	ND		10	0.40	ug/L		09/27/21 14:38	09/28/21 19:16	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		09/27/21 14:38	09/28/21 19:16	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		09/27/21 14:38	09/28/21 19:16	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		09/27/21 14:38	09/28/21 19:16	1
1,3-Dichlorobenzene	ND		10	0.48	ug/L		09/27/21 14:38	09/28/21 19:16	1

Client: Groundwater & Environmental Services Inc
Job ID: 480-190061-1
Project/Site: Cherry Farms Annual GW Sample

Client Sample ID: S-1
Lab Sample ID: 480-190061-6
Date Collected: 09/23/21 12:30
Matrix: Water
Date Received: 09/24/21 14:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrophenol	ND		10	2.2	ug/L		09/27/21 14:38	09/28/21 19:16	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		09/27/21 14:38	09/28/21 19:16	1
1,4-Dichlorobenzene	ND		10	0.46	ug/L		09/27/21 14:38	09/28/21 19:16	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		09/27/21 14:38	09/28/21 19:16	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		09/27/21 14:38	09/28/21 19:16	1
2-Chlorophenol	ND		5.0	0.53	ug/L		09/27/21 14:38	09/28/21 19:16	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		09/27/21 14:38	09/28/21 19:16	1
2-Methylphenol	ND		5.0	0.40	ug/L		09/27/21 14:38	09/28/21 19:16	1
2-Nitroaniline	ND		10	0.42	ug/L		09/27/21 14:38	09/28/21 19:16	1
2-Nitrophenol	ND		5.0	0.48	ug/L		09/27/21 14:38	09/28/21 19:16	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		09/27/21 14:38	09/28/21 19:16	1
3-Nitroaniline	ND		10	0.48	ug/L		09/27/21 14:38	09/28/21 19:16	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		09/27/21 14:38	09/28/21 19:16	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		09/27/21 14:38	09/28/21 19:16	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		09/27/21 14:38	09/28/21 19:16	1
4-Chloroaniline	ND		5.0	0.59	ug/L		09/27/21 14:38	09/28/21 19:16	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		09/27/21 14:38	09/28/21 19:16	1
4-Methylphenol	ND		10	0.36	ug/L		09/27/21 14:38	09/28/21 19:16	1
4-Nitroaniline	ND		10	0.25	ug/L		09/27/21 14:38	09/28/21 19:16	1
4-Nitrophenol	ND		10	1.5	ug/L		09/27/21 14:38	09/28/21 19:16	1
Acenaphthene	ND		5.0	0.41	ug/L		09/27/21 14:38	09/28/21 19:16	1
Acenaphthylene	ND		5.0	0.38	ug/L		09/27/21 14:38	09/28/21 19:16	1
Anthracene	ND		5.0	0.28	ug/L		09/27/21 14:38	09/28/21 19:16	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		09/27/21 14:38	09/28/21 19:16	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		09/27/21 14:38	09/28/21 19:16	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		09/27/21 14:38	09/28/21 19:16	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		09/27/21 14:38	09/28/21 19:16	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		09/27/21 14:38	09/28/21 19:16	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		09/27/21 14:38	09/28/21 19:16	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		09/27/21 14:38	09/28/21 19:16	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		09/27/21 14:38	09/28/21 19:16	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		09/27/21 14:38	09/28/21 19:16	1
Carbazole	ND		5.0	0.30	ug/L		09/27/21 14:38	09/28/21 19:16	1
Chrysene	ND		5.0	0.33	ug/L		09/27/21 14:38	09/28/21 19:16	1
Di-n-butyl phthalate	**0.38**	**J**	5.0	0.31	ug/L		09/27/21 14:38	09/28/21 19:16	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		09/27/21 14:38	09/28/21 19:16	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		09/27/21 14:38	09/28/21 19:16	1
Dibenzofuran	ND		10	0.51	ug/L		09/27/21 14:38	09/28/21 19:16	1
Diethyl phthalate	**0.27**	**J**	5.0	0.22	ug/L		09/27/21 14:38	09/28/21 19:16	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		09/27/21 14:38	09/28/21 19:16	1
Fluoranthene	ND		5.0	0.40	ug/L		09/27/21 14:38	09/28/21 19:16	1
Fluorene	ND		5.0	0.36	ug/L		09/27/21 14:38	09/28/21 19:16	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		09/27/21 14:38	09/28/21 19:16	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		09/27/21 14:38	09/28/21 19:16	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		09/27/21 14:38	09/28/21 19:16	1
Hexachloroethane	ND		5.0	0.59	ug/L		09/27/21 14:38	09/28/21 19:16	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		09/27/21 14:38	09/28/21 19:16	1
Isophorone	ND		5.0	0.43	ug/L		09/27/21 14:38	09/28/21 19:16	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		09/27/21 14:38	09/28/21 19:16	1

Client Sample ID: S-1
Date Collected: 09/23/21 12:30
Date Received: 09/24/21 14:30

Lab Sample ID: 480-190061-6
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		09/27/21 14:38	09/28/21 19:16	1
Naphthalene	ND		5.0	0.76	ug/L		09/27/21 14:38	09/28/21 19:16	1
Nitrobenzene	ND		5.0	0.29	ug/L		09/27/21 14:38	09/28/21 19:16	1
Pentachlorophenol	ND	*+	10	2.2	ug/L		09/27/21 14:38	09/28/21 19:16	1
Phenanthrene	**0.52**	**J**	5.0	0.44	ug/L		09/27/21 14:38	09/28/21 19:16	1
Phenol	ND		5.0	0.39	ug/L		09/27/21 14:38	09/28/21 19:16	1
Pyrene	ND		5.0	0.34	ug/L		09/27/21 14:38	09/28/21 19:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*99*		*41 - 120*	*09/27/21 14:38*	*09/28/21 19:16*	*1*
2-Fluorobiphenyl	*88*		*48 - 120*	*09/27/21 14:38*	*09/28/21 19:16*	*1*
2-Fluorophenol	*69*		*35 - 120*	*09/27/21 14:38*	*09/28/21 19:16*	*1*
Nitrobenzene-d5	*95*		*46 - 120*	*09/27/21 14:38*	*09/28/21 19:16*	*1*
p-Terphenyl-d14	*74*		*60 - 148*	*09/27/21 14:38*	*09/28/21 19:16*	*1*
Phenol-d5	*51*		*22 - 120*	*09/27/21 14:38*	*09/28/21 19:16*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.050	0.0092	ug/L		09/30/21 09:04	10/01/21 13:44	1
4,4'-DDE	**0.039**	**J**	0.050	0.012	ug/L		09/30/21 09:04	10/01/21 13:44	1
4,4'-DDT	ND		0.050	0.011	ug/L		09/30/21 09:04	10/01/21 13:44	1
Aldrin	ND		0.050	0.0081	ug/L		09/30/21 09:04	10/01/21 13:44	1
alpha-BHC	ND		0.050	0.0077	ug/L		09/30/21 09:04	10/01/21 13:44	1
cis-Chlordane	ND		0.050	0.015	ug/L		09/30/21 09:04	10/01/21 13:44	1
beta-BHC	ND		0.050	0.025	ug/L		09/30/21 09:04	10/01/21 13:44	1
delta-BHC	ND		0.050	0.010	ug/L		09/30/21 09:04	10/01/21 13:44	1
Dieldrin	ND		0.050	0.0098	ug/L		09/30/21 09:04	10/01/21 13:44	1
Endosulfan I	ND		0.050	0.011	ug/L		09/30/21 09:04	10/01/21 13:44	1
Endosulfan II	ND		0.050	0.012	ug/L		09/30/21 09:04	10/01/21 13:44	1
Endosulfan sulfate	ND		0.050	0.016	ug/L		09/30/21 09:04	10/01/21 13:44	1
Endrin	ND		0.050	0.014	ug/L		09/30/21 09:04	10/01/21 13:44	1
Endrin aldehyde	ND		0.050	0.016	ug/L		09/30/21 09:04	10/01/21 13:44	1
Endrin ketone	**0.015**	**J**	0.050	0.012	ug/L		09/30/21 09:04	10/01/21 13:44	1
gamma-BHC (Lindane)	**0.0092**	**J**	0.050	0.0080	ug/L		09/30/21 09:04	10/01/21 13:44	1
trans-Chlordane	ND		0.050	0.011	ug/L		09/30/21 09:04	10/01/21 13:44	1
Heptachlor	ND		0.050	0.0085	ug/L		09/30/21 09:04	10/01/21 13:44	1
Heptachlor epoxide	ND		0.050	0.0074	ug/L		09/30/21 09:04	10/01/21 13:44	1
Methoxychlor	ND		0.050	0.014	ug/L		09/30/21 09:04	10/01/21 13:44	1
Toxaphene	ND		0.50	0.12	ug/L		09/30/21 09:04	10/01/21 13:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*46*		*20 - 120*	*09/30/21 09:04*	*10/01/21 13:44*	*1*
Tetrachloro-m-xylene	*83*		*44 - 120*	*09/30/21 09:04*	*10/01/21 13:44*	*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		09/28/21 07:00	09/28/21 22:23	1
PCB-1221	ND		0.50	0.18	ug/L		09/28/21 07:00	09/28/21 22:23	1
PCB-1232	ND		0.50	0.18	ug/L		09/28/21 07:00	09/28/21 22:23	1
PCB-1242	ND		0.50	0.18	ug/L		09/28/21 07:00	09/28/21 22:23	1

Client Sample ID: S-1
Lab Sample ID: 480-190061-6
Date Collected: 09/23/21 12:30
Matrix: Water
Date Received: 09/24/21 14:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1248	ND		0.50	0.18	ug/L		09/28/21 07:00	09/28/21 22:23	1
PCB-1254	ND		0.50	0.25	ug/L		09/28/21 07:00	09/28/21 22:23	1
PCB-1260	ND		0.50	0.25	ug/L		09/28/21 07:00	09/28/21 22:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*43*		*19 - 120*	*09/28/21 07:00*	*09/28/21 22:23*	*1*
Tetrachloro-m-xylene	*92*		*39 - 121*	*09/28/21 07:00*	*09/28/21 22:23*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**1.8**	**B**	0.20	0.060	mg/L		09/27/21 09:54	09/27/21 22:09	1
Antimony	ND		0.020	0.0068	mg/L		09/27/21 09:54	09/27/21 22:09	1
Arsenic	**0.0084**	**J**	0.010	0.0056	mg/L		09/27/21 09:54	09/27/21 22:09	1
Barium	**0.025**		0.0020	0.00070	mg/L		09/27/21 09:54	09/27/21 22:09	1
Beryllium	ND		0.0020	0.00030	mg/L		09/27/21 09:54	09/27/21 22:09	1
Cadmium	ND		0.0010	0.00050	mg/L		09/27/21 09:54	09/27/21 22:09	1
Calcium	**36.4**		0.50	0.10	mg/L		09/27/21 09:54	09/27/21 22:09	1
Chromium	**0.0018**	**J**	0.0040	0.0010	mg/L		09/27/21 09:54	09/27/21 22:09	1
Cobalt	ND		0.0040	0.00063	mg/L		09/27/21 09:54	09/27/21 22:09	1
Copper	**0.0035**	**J**	0.010	0.0016	mg/L		09/27/21 09:54	09/27/21 22:09	1
Iron	**1.6**		0.050	0.019	mg/L		09/27/21 09:54	09/27/21 22:09	1
Lead	**0.0093**		0.0050	0.0030	mg/L		09/27/21 09:54	09/27/21 22:09	1
Magnesium	**10.8**		0.20	0.043	mg/L		09/27/21 09:54	09/27/21 22:09	1
Manganese	**0.060**	**B**	0.0030	0.00040	mg/L		09/27/21 09:54	09/27/21 22:09	1
Nickel	**0.0017**	**J**	0.010	0.0013	mg/L		09/27/21 09:54	09/27/21 22:09	1
Potassium	**5.8**		0.50	0.10	mg/L		09/27/21 09:54	09/27/21 22:09	1
Selenium	ND		0.015	0.0087	mg/L		09/27/21 09:54	09/27/21 22:09	1
Silver	ND		0.0030	0.0017	mg/L		09/27/21 09:54	09/27/21 22:09	1
Sodium	**1.3**		1.0	0.32	mg/L		09/27/21 09:54	09/27/21 22:09	1
Thallium	ND		0.020	0.010	mg/L		09/27/21 09:54	09/27/21 22:09	1
Vanadium	**0.0030**	**J**	0.0050	0.0015	mg/L		09/27/21 09:54	09/27/21 22:09	1
Zinc	**0.019**	**B**	0.010	0.0015	mg/L		09/27/21 09:54	09/27/21 22:09	1

Method: 7470A_ASP - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000043	mg/L		09/27/21 13:25	09/27/21 17:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		09/28/21 13:14	09/28/21 19:52	1

Client Sample ID: S-2
Lab Sample ID: 480-190061-7
Date Collected: 09/23/21 12:45
Matrix: Water
Date Received: 09/24/21 14:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.0	3.3	ug/L			10/01/21 04:32	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			10/01/21 04:32	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			10/01/21 04:32	4
1,1-Dichloroethane	ND		4.0	1.5	ug/L			10/01/21 04:32	4

Client: Groundwater & Environmental Services Inc
Job ID: 480-190061-1
Project/Site: Cherry Farms Annual GW Sample

Client Sample ID: S-2
Lab Sample ID: 480-190061-7
Date Collected: 09/23/21 12:45
Matrix: Water
Date Received: 09/24/21 14:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		4.0	1.2	ug/L			10/01/21 04:32	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			10/01/21 04:32	4
1,2-Dichloroethene, Total	ND		8.0	3.2	ug/L			10/01/21 04:32	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			10/01/21 04:32	4
2-Butanone (MEK)	ND		40	5.3	ug/L			10/01/21 04:32	4
2-Hexanone	ND		20	5.0	ug/L			10/01/21 04:32	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			10/01/21 04:32	4
Acetone	ND		40	12	ug/L			10/01/21 04:32	4
Benzene	ND		4.0	1.6	ug/L			10/01/21 04:32	4
Bromoform	ND		4.0	1.0	ug/L			10/01/21 04:32	4
Bromomethane	ND		4.0	2.8	ug/L			10/01/21 04:32	4
Carbon disulfide	ND		4.0	0.76	ug/L			10/01/21 04:32	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			10/01/21 04:32	4
Chlorobenzene	ND		4.0	3.0	ug/L			10/01/21 04:32	4
Dibromochloromethane	ND		4.0	1.3	ug/L			10/01/21 04:32	4
Chloroethane	ND		4.0	1.3	ug/L			10/01/21 04:32	4
Chloroform	ND		4.0	1.4	ug/L			10/01/21 04:32	4
Chloromethane	ND		4.0	1.4	ug/L			10/01/21 04:32	4
Bromodichloromethane	ND		4.0	1.6	ug/L			10/01/21 04:32	4
Ethylbenzene	ND		4.0	3.0	ug/L			10/01/21 04:32	4
Methylene Chloride	ND		4.0	1.8	ug/L			10/01/21 04:32	4
Tetrachloroethene	ND		4.0	1.4	ug/L			10/01/21 04:32	4
Toluene	ND		4.0	2.0	ug/L			10/01/21 04:32	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			10/01/21 04:32	4
Trichloroethene	ND		4.0	1.8	ug/L			10/01/21 04:32	4
Vinyl chloride	ND		4.0	3.6	ug/L			10/01/21 04:32	4
Xylenes, Total	ND		8.0	2.6	ug/L			10/01/21 04:32	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			10/01/21 04:32	4
Styrene	ND		4.0	2.9	ug/L			10/01/21 04:32	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*10/01/21 04:32*	*4*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*10/01/21 04:32*	*4*
Toluene-d8 (Surr)	*104*		*80 - 120*		*10/01/21 04:32*	*4*
Dibromofluoromethane (Surr)	*107*		*75 - 123*		*10/01/21 04:32*	*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		09/27/21 14:38	09/28/21 19:42	1
1,2,4-Trichlorobenzene	ND		10	0.44	ug/L		09/27/21 14:38	09/28/21 19:42	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		09/27/21 14:38	09/28/21 19:42	1
1,2-Dichlorobenzene	ND		10	0.40	ug/L		09/27/21 14:38	09/28/21 19:42	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		09/27/21 14:38	09/28/21 19:42	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		09/27/21 14:38	09/28/21 19:42	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		09/27/21 14:38	09/28/21 19:42	1
1,3-Dichlorobenzene	ND		10	0.48	ug/L		09/27/21 14:38	09/28/21 19:42	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		09/27/21 14:38	09/28/21 19:42	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		09/27/21 14:38	09/28/21 19:42	1
1,4-Dichlorobenzene	ND		10	0.46	ug/L		09/27/21 14:38	09/28/21 19:42	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		09/27/21 14:38	09/28/21 19:42	1

Client: Groundwater & Environmental Services Inc
Job ID: 480-190061-1
Project/Site: Cherry Farms Annual GW Sample

Client Sample ID: S-2
Lab Sample ID: 480-190061-7
Date Collected: 09/23/21 12:45
Matrix: Water
Date Received: 09/24/21 14:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chloronaphthalene	ND		5.0	0.46	ug/L		09/27/21 14:38	09/28/21 19:42	1
2-Chlorophenol	ND		5.0	0.53	ug/L		09/27/21 14:38	09/28/21 19:42	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		09/27/21 14:38	09/28/21 19:42	1
2-Methylphenol	ND		5.0	0.40	ug/L		09/27/21 14:38	09/28/21 19:42	1
2-Nitroaniline	ND		10	0.42	ug/L		09/27/21 14:38	09/28/21 19:42	1
2-Nitrophenol	ND		5.0	0.48	ug/L		09/27/21 14:38	09/28/21 19:42	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		09/27/21 14:38	09/28/21 19:42	1
3-Nitroaniline	ND		10	0.48	ug/L		09/27/21 14:38	09/28/21 19:42	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		09/27/21 14:38	09/28/21 19:42	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		09/27/21 14:38	09/28/21 19:42	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		09/27/21 14:38	09/28/21 19:42	1
4-Chloroaniline	ND		5.0	0.59	ug/L		09/27/21 14:38	09/28/21 19:42	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		09/27/21 14:38	09/28/21 19:42	1
4-Methylphenol	ND		10	0.36	ug/L		09/27/21 14:38	09/28/21 19:42	1
4-Nitroaniline	ND		10	0.25	ug/L		09/27/21 14:38	09/28/21 19:42	1
4-Nitrophenol	ND		10	1.5	ug/L		09/27/21 14:38	09/28/21 19:42	1
Acenaphthene	ND		5.0	0.41	ug/L		09/27/21 14:38	09/28/21 19:42	1
Acenaphthylene	ND		5.0	0.38	ug/L		09/27/21 14:38	09/28/21 19:42	1
Anthracene	ND		5.0	0.28	ug/L		09/27/21 14:38	09/28/21 19:42	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		09/27/21 14:38	09/28/21 19:42	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		09/27/21 14:38	09/28/21 19:42	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		09/27/21 14:38	09/28/21 19:42	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		09/27/21 14:38	09/28/21 19:42	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		09/27/21 14:38	09/28/21 19:42	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		09/27/21 14:38	09/28/21 19:42	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		09/27/21 14:38	09/28/21 19:42	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		09/27/21 14:38	09/28/21 19:42	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		09/27/21 14:38	09/28/21 19:42	1
Carbazole	ND		5.0	0.30	ug/L		09/27/21 14:38	09/28/21 19:42	1
Chrysene	ND		5.0	0.33	ug/L		09/27/21 14:38	09/28/21 19:42	1
Di-n-butyl phthalate	**0.33**	**J**	5.0	0.31	ug/L		09/27/21 14:38	09/28/21 19:42	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		09/27/21 14:38	09/28/21 19:42	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		09/27/21 14:38	09/28/21 19:42	1
Dibenzofuran	ND		10	0.51	ug/L		09/27/21 14:38	09/28/21 19:42	1
Diethyl phthalate	ND		5.0	0.22	ug/L		09/27/21 14:38	09/28/21 19:42	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		09/27/21 14:38	09/28/21 19:42	1
Fluoranthene	ND		5.0	0.40	ug/L		09/27/21 14:38	09/28/21 19:42	1
Fluorene	ND		5.0	0.36	ug/L		09/27/21 14:38	09/28/21 19:42	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		09/27/21 14:38	09/28/21 19:42	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		09/27/21 14:38	09/28/21 19:42	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		09/27/21 14:38	09/28/21 19:42	1
Hexachloroethane	ND		5.0	0.59	ug/L		09/27/21 14:38	09/28/21 19:42	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		09/27/21 14:38	09/28/21 19:42	1
Isophorone	ND		5.0	0.43	ug/L		09/27/21 14:38	09/28/21 19:42	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		09/27/21 14:38	09/28/21 19:42	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		09/27/21 14:38	09/28/21 19:42	1
Naphthalene	ND		5.0	0.76	ug/L		09/27/21 14:38	09/28/21 19:42	1
Nitrobenzene	ND		5.0	0.29	ug/L		09/27/21 14:38	09/28/21 19:42	1
Pentachlorophenol	ND	*+	10	2.2	ug/L		09/27/21 14:38	09/28/21 19:42	1

Client Sample ID: S-2
Date Collected: 09/23/21 12:45
Date Received: 09/24/21 14:30

Lab Sample ID: 480-190061-7
Matrix: Water

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		09/27/21 14:38	09/28/21 19:42	1
Phenol	ND		5.0	0.39	ug/L		09/27/21 14:38	09/28/21 19:42	1
Pyrene	ND		5.0	0.34	ug/L		09/27/21 14:38	09/28/21 19:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*85*		*41 - 120*	*09/27/21 14:38*	*09/28/21 19:42*	*1*
2-Fluorobiphenyl	*67*		*48 - 120*	*09/27/21 14:38*	*09/28/21 19:42*	*1*
2-Fluorophenol	*42*		*35 - 120*	*09/27/21 14:38*	*09/28/21 19:42*	*1*
Nitrobenzene-d5	*66*		*46 - 120*	*09/27/21 14:38*	*09/28/21 19:42*	*1*
p-Terphenyl-d14	*74*		*60 - 148*	*09/27/21 14:38*	*09/28/21 19:42*	*1*
Phenol-d5	*31*		*22 - 120*	*09/27/21 14:38*	*09/28/21 19:42*	*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		09/30/21 09:04	10/01/21 14:04	1
4,4'-DDE	ND		0.050	0.012	ug/L		09/30/21 09:04	10/01/21 14:04	1
4,4'-DDT	ND		0.050	0.011	ug/L		09/30/21 09:04	10/01/21 14:04	1
Aldrin	ND		0.050	0.0081	ug/L		09/30/21 09:04	10/01/21 14:04	1
alpha-BHC	ND		0.050	0.0077	ug/L		09/30/21 09:04	10/01/21 14:04	1
cis-Chlordane	ND		0.050	0.015	ug/L		09/30/21 09:04	10/01/21 14:04	1
beta-BHC	ND		0.050	0.025	ug/L		09/30/21 09:04	10/01/21 14:04	1
delta-BHC	ND		0.050	0.010	ug/L		09/30/21 09:04	10/01/21 14:04	1
Dieldrin	ND		0.050	0.0098	ug/L		09/30/21 09:04	10/01/21 14:04	1
Endosulfan I	ND		0.050	0.011	ug/L		09/30/21 09:04	10/01/21 14:04	1
Endosulfan II	ND		0.050	0.012	ug/L		09/30/21 09:04	10/01/21 14:04	1
Endosulfan sulfate	ND		0.050	0.016	ug/L		09/30/21 09:04	10/01/21 14:04	1
Endrin	ND		0.050	0.014	ug/L		09/30/21 09:04	10/01/21 14:04	1
Endrin aldehyde	ND		0.050	0.016	ug/L		09/30/21 09:04	10/01/21 14:04	1
Endrin ketone	ND		0.050	0.012	ug/L		09/30/21 09:04	10/01/21 14:04	1
gamma-BHC (Lindane)	ND		0.050	0.0080	ug/L		09/30/21 09:04	10/01/21 14:04	1
trans-Chlordane	**0.028**	**J**	0.050	0.011	ug/L		09/30/21 09:04	10/01/21 14:04	1
Heptachlor	ND		0.050	0.0085	ug/L		09/30/21 09:04	10/01/21 14:04	1
Heptachlor epoxide	ND		0.050	0.0074	ug/L		09/30/21 09:04	10/01/21 14:04	1
Methoxychlor	ND		0.050	0.014	ug/L		09/30/21 09:04	10/01/21 14:04	1
Toxaphene	ND		0.50	0.12	ug/L		09/30/21 09:04	10/01/21 14:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*41*		*20 - 120*	*09/30/21 09:04*	*10/01/21 14:04*	*1*
Tetrachloro-m-xylene	*80*		*44 - 120*	*09/30/21 09:04*	*10/01/21 14:04*	*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		09/28/21 07:00	09/28/21 22:36	1
PCB-1221	ND		0.54	0.19	ug/L		09/28/21 07:00	09/28/21 22:36	1
PCB-1232	ND		0.54	0.19	ug/L		09/28/21 07:00	09/28/21 22:36	1
PCB-1242	ND		0.54	0.19	ug/L		09/28/21 07:00	09/28/21 22:36	1
PCB-1248	ND		0.54	0.19	ug/L		09/28/21 07:00	09/28/21 22:36	1
PCB-1254	ND		0.54	0.27	ug/L		09/28/21 07:00	09/28/21 22:36	1
PCB-1260	ND		0.54	0.27	ug/L		09/28/21 07:00	09/28/21 22:36	1

Client Sample ID: S-2
Lab Sample ID: 480-190061-7
Date Collected: 09/23/21 12:45
Matrix: Water
Date Received: 09/24/21 14:30

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*49*		*19 - 120*	*09/28/21 07:00*	*09/28/21 22:36*	*1*
Tetrachloro-m-xylene	*98*		*39 - 121*	*09/28/21 07:00*	*09/28/21 22:36*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		09/27/21 09:54	09/27/21 22:13	1
Antimony	ND		0.020	0.0068	mg/L		09/27/21 09:54	09/27/21 22:13	1
Arsenic	ND		0.010	0.0056	mg/L		09/27/21 09:54	09/27/21 22:13	1
Barium	**0.021**		0.0020	0.00070	mg/L		09/27/21 09:54	09/27/21 22:13	1
Beryllium	ND		0.0020	0.00030	mg/L		09/27/21 09:54	09/27/21 22:13	1
Cadmium	ND		0.0010	0.00050	mg/L		09/27/21 09:54	09/27/21 22:13	1
Calcium	**12.4**		0.50	0.10	mg/L		09/27/21 09:54	09/27/21 22:13	1
Chromium	ND		0.0040	0.0010	mg/L		09/27/21 09:54	09/27/21 22:13	1
Cobalt	ND		0.0040	0.00063	mg/L		09/27/21 09:54	09/27/21 22:13	1
Copper	ND		0.010	0.0016	mg/L		09/27/21 09:54	09/27/21 22:13	1
Iron	**0.077**		0.050	0.019	mg/L		09/27/21 09:54	09/27/21 22:13	1
Lead	ND		0.0050	0.0030	mg/L		09/27/21 09:54	09/27/21 22:13	1
Magnesium	**0.48**		0.20	0.043	mg/L		09/27/21 09:54	09/27/21 22:13	1
Manganese	**0.0041**	**B**	0.0030	0.00040	mg/L		09/27/21 09:54	09/27/21 22:13	1
Nickel	**0.0015**	**J**	0.010	0.0013	mg/L		09/27/21 09:54	09/27/21 22:13	1
Potassium	**29.1**		0.50	0.10	mg/L		09/27/21 09:54	09/27/21 22:13	1
Selenium	ND		0.015	0.0087	mg/L		09/27/21 09:54	09/27/21 22:13	1
Silver	ND		0.0030	0.0017	mg/L		09/27/21 09:54	09/27/21 22:13	1
Sodium	**62.6**		1.0	0.32	mg/L		09/27/21 09:54	09/27/21 22:13	1
Thallium	ND		0.020	0.010	mg/L		09/27/21 09:54	09/27/21 22:13	1
Vanadium	**0.0040**	**J**	0.0050	0.0015	mg/L		09/27/21 09:54	09/27/21 22:13	1
Zinc	**0.012**	**B**	0.010	0.0015	mg/L		09/27/21 09:54	09/27/21 22:13	1

Method: 7470A_ASP - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000043	mg/L		09/27/21 13:25	09/27/21 17:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**0.018**		0.010	0.0050	mg/L		09/28/21 13:14	09/28/21 19:55	1

Client Sample ID: S-3
Lab Sample ID: 480-190061-8
Date Collected: 09/23/21 13:00
Matrix: Water
Date Received: 09/24/21 14:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.0	1.6	ug/L			10/01/21 04:55	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			10/01/21 04:55	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			10/01/21 04:55	2
1,1-Dichloroethane	ND		2.0	0.76	ug/L			10/01/21 04:55	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			10/01/21 04:55	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			10/01/21 04:55	2
1,2-Dichloroethene, Total	ND		4.0	1.6	ug/L			10/01/21 04:55	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			10/01/21 04:55	2
2-Butanone (MEK)	ND		20	2.6	ug/L			10/01/21 04:55	2

Client Sample ID: S-3
Lab Sample ID: 480-190061-8
Date Collected: 09/23/21 13:00
Matrix: Water
Date Received: 09/24/21 14:30

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			10/01/21 04:55	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			10/01/21 04:55	2
Acetone	ND		20	6.0	ug/L			10/01/21 04:55	2
Benzene	ND		2.0	0.82	ug/L			10/01/21 04:55	2
Bromoform	ND		2.0	0.52	ug/L			10/01/21 04:55	2
Bromomethane	ND		2.0	1.4	ug/L			10/01/21 04:55	2
Carbon disulfide	ND		2.0	0.38	ug/L			10/01/21 04:55	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			10/01/21 04:55	2
Chlorobenzene	ND		2.0	1.5	ug/L			10/01/21 04:55	2
Dibromochloromethane	ND		2.0	0.64	ug/L			10/01/21 04:55	2
Chloroethane	ND		2.0	0.64	ug/L			10/01/21 04:55	2
Chloroform	ND		2.0	0.68	ug/L			10/01/21 04:55	2
Chloromethane	ND		2.0	0.70	ug/L			10/01/21 04:55	2
Bromodichloromethane	ND		2.0	0.78	ug/L			10/01/21 04:55	2
Ethylbenzene	ND		2.0	1.5	ug/L			10/01/21 04:55	2
Methylene Chloride	ND		2.0	0.88	ug/L			10/01/21 04:55	2
Tetrachloroethene	ND		2.0	0.72	ug/L			10/01/21 04:55	2
Toluene	ND		2.0	1.0	ug/L			10/01/21 04:55	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			10/01/21 04:55	2
Trichloroethene	ND		2.0	0.92	ug/L			10/01/21 04:55	2
Vinyl chloride	ND		2.0	1.8	ug/L			10/01/21 04:55	2
Xylenes, Total	ND		4.0	1.3	ug/L			10/01/21 04:55	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			10/01/21 04:55	2
Styrene	ND		2.0	1.5	ug/L			10/01/21 04:55	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*10/01/21 04:55*	*2*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*10/01/21 04:55*	*2*
Toluene-d8 (Surr)	*99*		*80 - 120*		*10/01/21 04:55*	*2*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*10/01/21 04:55*	*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		09/27/21 14:38	09/28/21 20:08	5
1,2,4-Trichlorobenzene	ND		50	2.2	ug/L		09/27/21 14:38	09/28/21 20:08	5
2,4,5-Trichlorophenol	ND		25	2.4	ug/L		09/27/21 14:38	09/28/21 20:08	5
1,2-Dichlorobenzene	ND		50	2.0	ug/L		09/27/21 14:38	09/28/21 20:08	5
2,4,6-Trichlorophenol	ND		25	3.1	ug/L		09/27/21 14:38	09/28/21 20:08	5
2,4-Dichlorophenol	ND		25	2.6	ug/L		09/27/21 14:38	09/28/21 20:08	5
2,4-Dimethylphenol	ND		25	2.5	ug/L		09/27/21 14:38	09/28/21 20:08	5
1,3-Dichlorobenzene	ND		50	2.4	ug/L		09/27/21 14:38	09/28/21 20:08	5
2,4-Dinitrophenol	ND		50	11	ug/L		09/27/21 14:38	09/28/21 20:08	5
2,4-Dinitrotoluene	ND		25	2.2	ug/L		09/27/21 14:38	09/28/21 20:08	5
1,4-Dichlorobenzene	ND		50	2.3	ug/L		09/27/21 14:38	09/28/21 20:08	5
2,6-Dinitrotoluene	ND		25	2.0	ug/L		09/27/21 14:38	09/28/21 20:08	5
2-Chloronaphthalene	ND		25	2.3	ug/L		09/27/21 14:38	09/28/21 20:08	5
2-Chlorophenol	ND		25	2.7	ug/L		09/27/21 14:38	09/28/21 20:08	5
2-Methylnaphthalene	ND		25	3.0	ug/L		09/27/21 14:38	09/28/21 20:08	5
2-Methylphenol	ND		25	2.0	ug/L		09/27/21 14:38	09/28/21 20:08	5
2-Nitroaniline	ND		50	2.1	ug/L		09/27/21 14:38	09/28/21 20:08	5

Client: Groundwater & Environmental Services Inc
Job ID: 480-190061-1
Project/Site: Cherry Farms Annual GW Sample

Client Sample ID: S-3
Lab Sample ID: 480-190061-8
Date Collected: 09/23/21 13:00
Matrix: Water
Date Received: 09/24/21 14:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitrophenol	ND		25	2.4	ug/L		09/27/21 14:38	09/28/21 20:08	5
3,3'-Dichlorobenzidine	ND		25	2.0	ug/L		09/27/21 14:38	09/28/21 20:08	5
3-Nitroaniline	ND		50	2.4	ug/L		09/27/21 14:38	09/28/21 20:08	5
4,6-Dinitro-2-methylphenol	ND		50	11	ug/L		09/27/21 14:38	09/28/21 20:08	5
4-Bromophenyl phenyl ether	ND		25	2.3	ug/L		09/27/21 14:38	09/28/21 20:08	5
4-Chloro-3-methylphenol	ND		25	2.3	ug/L		09/27/21 14:38	09/28/21 20:08	5
4-Chloroaniline	ND		25	3.0	ug/L		09/27/21 14:38	09/28/21 20:08	5
4-Chlorophenyl phenyl ether	ND		25	1.8	ug/L		09/27/21 14:38	09/28/21 20:08	5
4-Methylphenol	ND		50	1.8	ug/L		09/27/21 14:38	09/28/21 20:08	5
4-Nitroaniline	ND		50	1.3	ug/L		09/27/21 14:38	09/28/21 20:08	5
4-Nitrophenol	ND		50	7.6	ug/L		09/27/21 14:38	09/28/21 20:08	5
Acenaphthene	ND		25	2.1	ug/L		09/27/21 14:38	09/28/21 20:08	5
Acenaphthylene	ND		25	1.9	ug/L		09/27/21 14:38	09/28/21 20:08	5
Anthracene	ND		25	1.4	ug/L		09/27/21 14:38	09/28/21 20:08	5
Benzo[a]anthracene	ND		25	1.8	ug/L		09/27/21 14:38	09/28/21 20:08	5
Benzo[a]pyrene	ND		25	2.4	ug/L		09/27/21 14:38	09/28/21 20:08	5
Benzo[b]fluoranthene	ND		25	1.7	ug/L		09/27/21 14:38	09/28/21 20:08	5
Benzo[g,h,i]perylene	ND		25	1.8	ug/L		09/27/21 14:38	09/28/21 20:08	5
Benzo[k]fluoranthene	ND		25	3.7	ug/L		09/27/21 14:38	09/28/21 20:08	5
Bis(2-chloroethoxy)methane	ND		25	1.8	ug/L		09/27/21 14:38	09/28/21 20:08	5
Bis(2-chloroethyl)ether	ND		25	2.0	ug/L		09/27/21 14:38	09/28/21 20:08	5
Bis(2-ethylhexyl) phthalate	ND		25	11	ug/L		09/27/21 14:38	09/28/21 20:08	5
Butyl benzyl phthalate	ND		25	5.0	ug/L		09/27/21 14:38	09/28/21 20:08	5
Carbazole	ND		25	1.5	ug/L		09/27/21 14:38	09/28/21 20:08	5
Chrysene	ND		25	1.7	ug/L		09/27/21 14:38	09/28/21 20:08	5
Di-n-butyl phthalate	ND		25	1.6	ug/L		09/27/21 14:38	09/28/21 20:08	5
Di-n-octyl phthalate	ND		25	2.4	ug/L		09/27/21 14:38	09/28/21 20:08	5
Dibenz(a,h)anthracene	ND		25	2.1	ug/L		09/27/21 14:38	09/28/21 20:08	5
Dibenzofuran	ND		50	2.6	ug/L		09/27/21 14:38	09/28/21 20:08	5
Diethyl phthalate	ND		25	1.1	ug/L		09/27/21 14:38	09/28/21 20:08	5
Dimethyl phthalate	ND		25	1.8	ug/L		09/27/21 14:38	09/28/21 20:08	5
Fluoranthene	ND		25	2.0	ug/L		09/27/21 14:38	09/28/21 20:08	5
Fluorene	ND		25	1.8	ug/L		09/27/21 14:38	09/28/21 20:08	5
Hexachlorobenzene	ND		25	2.6	ug/L		09/27/21 14:38	09/28/21 20:08	5
Hexachlorobutadiene	ND		25	3.4	ug/L		09/27/21 14:38	09/28/21 20:08	5
Hexachlorocyclopentadiene	ND		25	3.0	ug/L		09/27/21 14:38	09/28/21 20:08	5
Hexachloroethane	ND		25	3.0	ug/L		09/27/21 14:38	09/28/21 20:08	5
Indeno[1,2,3-cd]pyrene	ND		25	2.4	ug/L		09/27/21 14:38	09/28/21 20:08	5
Isophorone	ND		25	2.2	ug/L		09/27/21 14:38	09/28/21 20:08	5
N-Nitrosodi-n-propylamine	ND		25	2.7	ug/L		09/27/21 14:38	09/28/21 20:08	5
N-Nitrosodiphenylamine	ND		25	2.6	ug/L		09/27/21 14:38	09/28/21 20:08	5
Naphthalene	ND		25	3.8	ug/L		09/27/21 14:38	09/28/21 20:08	5
Nitrobenzene	ND		25	1.5	ug/L		09/27/21 14:38	09/28/21 20:08	5
Pentachlorophenol	ND	*+	50	11	ug/L		09/27/21 14:38	09/28/21 20:08	5
Phenanthrene	ND		25	2.2	ug/L		09/27/21 14:38	09/28/21 20:08	5
Phenol	ND		25	2.0	ug/L		09/27/21 14:38	09/28/21 20:08	5
Pyrene	ND		25	1.7	ug/L		09/27/21 14:38	09/28/21 20:08	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*72*		*41 - 120*	*09/27/21 14:38*	*09/28/21 20:08*	*5*

Client Sample ID: S-3
Lab Sample ID: 480-190061-8
Date Collected: 09/23/21 13:00
Matrix: Water
Date Received: 09/24/21 14:30

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*71*		*48 - 120*	*09/27/21 14:38*	*09/28/21 20:08*	*5*
2-Fluorophenol	*49*		*35 - 120*	*09/27/21 14:38*	*09/28/21 20:08*	*5*
Nitrobenzene-d5	*81*		*46 - 120*	*09/27/21 14:38*	*09/28/21 20:08*	*5*
p-Terphenyl-d14	*70*		*60 - 148*	*09/27/21 14:38*	*09/28/21 20:08*	*5*
Phenol-d5	*38*		*22 - 120*	*09/27/21 14:38*	*09/28/21 20:08*	*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		09/30/21 09:04	10/01/21 14:23	1
4,4'-DDE	ND		0.050	0.012	ug/L		09/30/21 09:04	10/01/21 14:23	1
4,4'-DDT	ND		0.050	0.011	ug/L		09/30/21 09:04	10/01/21 14:23	1
Aldrin	ND		0.050	0.0081	ug/L		09/30/21 09:04	10/01/21 14:23	1
alpha-BHC	ND		0.050	0.0077	ug/L		09/30/21 09:04	10/01/21 14:23	1
cis-Chlordane	ND		0.050	0.015	ug/L		09/30/21 09:04	10/01/21 14:23	1
beta-BHC	ND		0.050	0.025	ug/L		09/30/21 09:04	10/01/21 14:23	1
delta-BHC	ND		0.050	0.010	ug/L		09/30/21 09:04	10/01/21 14:23	1
Dieldrin	ND		0.050	0.0098	ug/L		09/30/21 09:04	10/01/21 14:23	1
Endosulfan I	ND		0.050	0.011	ug/L		09/30/21 09:04	10/01/21 14:23	1
Endosulfan II	ND		0.050	0.012	ug/L		09/30/21 09:04	10/01/21 14:23	1
Endosulfan sulfate	ND		0.050	0.016	ug/L		09/30/21 09:04	10/01/21 14:23	1
Endrin	ND		0.050	0.014	ug/L		09/30/21 09:04	10/01/21 14:23	1
Endrin aldehyde	ND		0.050	0.016	ug/L		09/30/21 09:04	10/01/21 14:23	1
Endrin ketone	ND		0.050	0.012	ug/L		09/30/21 09:04	10/01/21 14:23	1
gamma-BHC (Lindane)	ND		0.050	0.0080	ug/L		09/30/21 09:04	10/01/21 14:23	1
trans-Chlordane	ND		0.050	0.011	ug/L		09/30/21 09:04	10/01/21 14:23	1
Heptachlor	ND		0.050	0.0085	ug/L		09/30/21 09:04	10/01/21 14:23	1
Heptachlor epoxide	ND		0.050	0.0074	ug/L		09/30/21 09:04	10/01/21 14:23	1
Methoxychlor	ND		0.050	0.014	ug/L		09/30/21 09:04	10/01/21 14:23	1
Toxaphene	ND		0.50	0.12	ug/L		09/30/21 09:04	10/01/21 14:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*50*		*20 - 120*	*09/30/21 09:04*	*10/01/21 14:23*	*1*
Tetrachloro-m-xylene	*87*		*44 - 120*	*09/30/21 09:04*	*10/01/21 14:23*	*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		09/28/21 07:00	09/28/21 22:49	1
PCB-1221	ND		0.50	0.18	ug/L		09/28/21 07:00	09/28/21 22:49	1
PCB-1232	ND		0.50	0.18	ug/L		09/28/21 07:00	09/28/21 22:49	1
PCB-1242	ND		0.50	0.18	ug/L		09/28/21 07:00	09/28/21 22:49	1
PCB-1248	ND		0.50	0.18	ug/L		09/28/21 07:00	09/28/21 22:49	1
PCB-1254	ND		0.50	0.25	ug/L		09/28/21 07:00	09/28/21 22:49	1
PCB-1260	ND		0.50	0.25	ug/L		09/28/21 07:00	09/28/21 22:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*60*		*19 - 120*	*09/28/21 07:00*	*09/28/21 22:49*	*1*
Tetrachloro-m-xylene	*95*		*39 - 121*	*09/28/21 07:00*	*09/28/21 22:49*	*1*

Client Sample ID: S-3
Lab Sample ID: 480-190061-8
Date Collected: 09/23/21 13:00
Matrix: Water
Date Received: 09/24/21 14:30

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.075**	**J B**	0.20	0.060	mg/L		09/27/21 09:54	09/27/21 22:42	1
Antimony	ND		0.020	0.0068	mg/L		09/27/21 09:54	09/27/21 22:42	1
Arsenic	ND		0.010	0.0056	mg/L		09/27/21 09:54	09/27/21 22:42	1
Barium	**0.030**		0.0020	0.00070	mg/L		09/27/21 09:54	09/27/21 22:42	1
Beryllium	ND		0.0020	0.00030	mg/L		09/27/21 09:54	09/27/21 22:42	1
Cadmium	ND		0.0010	0.00050	mg/L		09/27/21 09:54	09/27/21 22:42	1
Calcium	**54.4**		0.50	0.10	mg/L		09/27/21 09:54	09/27/21 22:42	1
Chromium	ND		0.0040	0.0010	mg/L		09/27/21 09:54	09/27/21 22:42	1
Cobalt	ND		0.0040	0.00063	mg/L		09/27/21 09:54	09/27/21 22:42	1
Copper	ND		0.010	0.0016	mg/L		09/27/21 09:54	09/27/21 22:42	1
Iron	**0.082**		0.050	0.019	mg/L		09/27/21 09:54	09/27/21 22:42	1
Lead	ND		0.0050	0.0030	mg/L		09/27/21 09:54	09/27/21 22:42	1
Magnesium	**0.20**		0.20	0.043	mg/L		09/27/21 09:54	09/27/21 22:42	1
Manganese	**0.041**	**B**	0.0030	0.00040	mg/L		09/27/21 09:54	09/27/21 22:42	1
Nickel	ND		0.010	0.0013	mg/L		09/27/21 09:54	09/27/21 22:42	1
Potassium	**39.8**		0.50	0.10	mg/L		09/27/21 09:54	09/27/21 22:42	1
Selenium	ND		0.015	0.0087	mg/L		09/27/21 09:54	09/27/21 22:42	1
Silver	ND		0.0030	0.0017	mg/L		09/27/21 09:54	09/27/21 22:42	1
Sodium	**121**		1.0	0.32	mg/L		09/27/21 09:54	09/27/21 22:42	1
Thallium	ND		0.020	0.010	mg/L		09/27/21 09:54	09/27/21 22:42	1
Vanadium	**0.0071**		0.0050	0.0015	mg/L		09/27/21 09:54	09/27/21 22:42	1
Zinc	ND		0.010	0.0015	mg/L		09/27/21 09:54	09/27/21 22:42	1

Method: 7470A_ASP - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000043	mg/L		09/27/21 13:25	09/27/21 17:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**0.074**		0.010	0.0050	mg/L		09/28/21 13:14	09/28/21 19:58	1

Client Sample ID: S-4
Lab Sample ID: 480-190061-9
Date Collected: 09/23/21 13:45
Matrix: Water
Date Received: 09/24/21 14:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.0	1.6	ug/L			10/01/21 05:19	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			10/01/21 05:19	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			10/01/21 05:19	2
1,1-Dichloroethane	**0.99**	**J**	2.0	0.76	ug/L			10/01/21 05:19	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			10/01/21 05:19	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			10/01/21 05:19	2
1,2-Dichloroethene, Total	ND		4.0	1.6	ug/L			10/01/21 05:19	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			10/01/21 05:19	2
2-Butanone (MEK)	ND		20	2.6	ug/L			10/01/21 05:19	2
2-Hexanone	ND		10	2.5	ug/L			10/01/21 05:19	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			10/01/21 05:19	2
Acetone	ND		20	6.0	ug/L			10/01/21 05:19	2
Benzene	ND		2.0	0.82	ug/L			10/01/21 05:19	2

Client: Groundwater & Environmental Services Inc
Job ID: 480-190061-1
Project/Site: Cherry Farms Annual GW Sample

Client Sample ID: S-4
Lab Sample ID: 480-190061-9
Date Collected: 09/23/21 13:45
Matrix: Water
Date Received: 09/24/21 14:30

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			10/01/21 05:19	2
Bromomethane	ND		2.0	1.4	ug/L			10/01/21 05:19	2
Carbon disulfide	ND		2.0	0.38	ug/L			10/01/21 05:19	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			10/01/21 05:19	2
Chlorobenzene	ND		2.0	1.5	ug/L			10/01/21 05:19	2
Dibromochloromethane	ND		2.0	0.64	ug/L			10/01/21 05:19	2
Chloroethane	ND		2.0	0.64	ug/L			10/01/21 05:19	2
Chloroform	ND		2.0	0.68	ug/L			10/01/21 05:19	2
Chloromethane	ND		2.0	0.70	ug/L			10/01/21 05:19	2
Bromodichloromethane	ND		2.0	0.78	ug/L			10/01/21 05:19	2
Ethylbenzene	ND		2.0	1.5	ug/L			10/01/21 05:19	2
Methylene Chloride	ND		2.0	0.88	ug/L			10/01/21 05:19	2
Tetrachloroethene	ND		2.0	0.72	ug/L			10/01/21 05:19	2
Toluene	ND		2.0	1.0	ug/L			10/01/21 05:19	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			10/01/21 05:19	2
Trichloroethene	ND		2.0	0.92	ug/L			10/01/21 05:19	2
Vinyl chloride	ND		2.0	1.8	ug/L			10/01/21 05:19	2
Xylenes, Total	ND		4.0	1.3	ug/L			10/01/21 05:19	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			10/01/21 05:19	2
Styrene	ND		2.0	1.5	ug/L			10/01/21 05:19	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*10/01/21 05:19*	*2*
4-Bromofluorobenzene (Surr)	*93*		*73 - 120*		*10/01/21 05:19*	*2*
Toluene-d8 (Surr)	*100*		*80 - 120*		*10/01/21 05:19*	*2*
Dibromofluoromethane (Surr)	*96*		*75 - 123*		*10/01/21 05:19*	*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		09/27/21 14:38	09/28/21 20:34	5
1,2,4-Trichlorobenzene	ND		50	2.2	ug/L		09/27/21 14:38	09/28/21 20:34	5
2,4,5-Trichlorophenol	ND		25	2.4	ug/L		09/27/21 14:38	09/28/21 20:34	5
1,2-Dichlorobenzene	ND		50	2.0	ug/L		09/27/21 14:38	09/28/21 20:34	5
2,4,6-Trichlorophenol	ND		25	3.1	ug/L		09/27/21 14:38	09/28/21 20:34	5
2,4-Dichlorophenol	ND		25	2.6	ug/L		09/27/21 14:38	09/28/21 20:34	5
2,4-Dimethylphenol	**2.5**	**J**	25	2.5	ug/L		09/27/21 14:38	09/28/21 20:34	5
1,3-Dichlorobenzene	ND		50	2.4	ug/L		09/27/21 14:38	09/28/21 20:34	5
2,4-Dinitrophenol	ND		50	11	ug/L		09/27/21 14:38	09/28/21 20:34	5
2,4-Dinitrotoluene	ND		25	2.2	ug/L		09/27/21 14:38	09/28/21 20:34	5
1,4-Dichlorobenzene	ND		50	2.3	ug/L		09/27/21 14:38	09/28/21 20:34	5
2,6-Dinitrotoluene	ND		25	2.0	ug/L		09/27/21 14:38	09/28/21 20:34	5
2-Chloronaphthalene	ND		25	2.3	ug/L		09/27/21 14:38	09/28/21 20:34	5
2-Chlorophenol	ND		25	2.7	ug/L		09/27/21 14:38	09/28/21 20:34	5
2-Methylnaphthalene	ND		25	3.0	ug/L		09/27/21 14:38	09/28/21 20:34	5
2-Methylphenol	ND		25	2.0	ug/L		09/27/21 14:38	09/28/21 20:34	5
2-Nitroaniline	ND		50	2.1	ug/L		09/27/21 14:38	09/28/21 20:34	5
2-Nitrophenol	ND		25	2.4	ug/L		09/27/21 14:38	09/28/21 20:34	5
3,3'-Dichlorobenzidine	ND		25	2.0	ug/L		09/27/21 14:38	09/28/21 20:34	5
3-Nitroaniline	ND		50	2.4	ug/L		09/27/21 14:38	09/28/21 20:34	5
4,6-Dinitro-2-methylphenol	ND		50	11	ug/L		09/27/21 14:38	09/28/21 20:34	5

Client: Groundwater & Environmental Services Inc
Job ID: 480-190061-1
Project/Site: Cherry Farms Annual GW Sample

Client Sample ID: S-4
Lab Sample ID: 480-190061-9
Date Collected: 09/23/21 13:45
Matrix: Water
Date Received: 09/24/21 14:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Bromophenyl phenyl ether	ND		25	2.3	ug/L		09/27/21 14:38	09/28/21 20:34	5
4-Chloro-3-methylphenol	ND		25	2.3	ug/L		09/27/21 14:38	09/28/21 20:34	5
4-Chloroaniline	ND		25	3.0	ug/L		09/27/21 14:38	09/28/21 20:34	5
4-Chlorophenyl phenyl ether	ND		25	1.8	ug/L		09/27/21 14:38	09/28/21 20:34	5
4-Methylphenol	ND		50	1.8	ug/L		09/27/21 14:38	09/28/21 20:34	5
4-Nitroaniline	ND		50	1.3	ug/L		09/27/21 14:38	09/28/21 20:34	5
4-Nitrophenol	ND		50	7.6	ug/L		09/27/21 14:38	09/28/21 20:34	5
Acenaphthene	ND		25	2.1	ug/L		09/27/21 14:38	09/28/21 20:34	5
Acenaphthylene	ND		25	1.9	ug/L		09/27/21 14:38	09/28/21 20:34	5
Anthracene	ND		25	1.4	ug/L		09/27/21 14:38	09/28/21 20:34	5
Benzo[a]anthracene	ND		25	1.8	ug/L		09/27/21 14:38	09/28/21 20:34	5
Benzo[a]pyrene	ND		25	2.4	ug/L		09/27/21 14:38	09/28/21 20:34	5
Benzo[b]fluoranthene	ND		25	1.7	ug/L		09/27/21 14:38	09/28/21 20:34	5
Benzo[g,h,i]perylene	ND		25	1.8	ug/L		09/27/21 14:38	09/28/21 20:34	5
Benzo[k]fluoranthene	ND		25	3.7	ug/L		09/27/21 14:38	09/28/21 20:34	5
Bis(2-chloroethoxy)methane	ND		25	1.8	ug/L		09/27/21 14:38	09/28/21 20:34	5
Bis(2-chloroethyl)ether	ND		25	2.0	ug/L		09/27/21 14:38	09/28/21 20:34	5
Bis(2-ethylhexyl) phthalate	ND		25	11	ug/L		09/27/21 14:38	09/28/21 20:34	5
Butyl benzyl phthalate	ND		25	5.0	ug/L		09/27/21 14:38	09/28/21 20:34	5
Carbazole	ND		25	1.5	ug/L		09/27/21 14:38	09/28/21 20:34	5
Chrysene	ND		25	1.7	ug/L		09/27/21 14:38	09/28/21 20:34	5
Di-n-butyl phthalate	ND		25	1.6	ug/L		09/27/21 14:38	09/28/21 20:34	5
Di-n-octyl phthalate	ND		25	2.4	ug/L		09/27/21 14:38	09/28/21 20:34	5
Dibenz(a,h)anthracene	ND		25	2.1	ug/L		09/27/21 14:38	09/28/21 20:34	5
Dibenzofuran	ND		50	2.6	ug/L		09/27/21 14:38	09/28/21 20:34	5
Diethyl phthalate	ND		25	1.1	ug/L		09/27/21 14:38	09/28/21 20:34	5
Dimethyl phthalate	ND		25	1.8	ug/L		09/27/21 14:38	09/28/21 20:34	5
Fluoranthene	ND		25	2.0	ug/L		09/27/21 14:38	09/28/21 20:34	5
Fluorene	ND		25	1.8	ug/L		09/27/21 14:38	09/28/21 20:34	5
Hexachlorobenzene	ND		25	2.6	ug/L		09/27/21 14:38	09/28/21 20:34	5
Hexachlorobutadiene	ND		25	3.4	ug/L		09/27/21 14:38	09/28/21 20:34	5
Hexachlorocyclopentadiene	ND		25	3.0	ug/L		09/27/21 14:38	09/28/21 20:34	5
Hexachloroethane	ND		25	3.0	ug/L		09/27/21 14:38	09/28/21 20:34	5
Indeno[1,2,3-cd]pyrene	ND		25	2.4	ug/L		09/27/21 14:38	09/28/21 20:34	5
Isophorone	ND		25	2.2	ug/L		09/27/21 14:38	09/28/21 20:34	5
N-Nitrosodi-n-propylamine	ND		25	2.7	ug/L		09/27/21 14:38	09/28/21 20:34	5
N-Nitrosodiphenylamine	ND		25	2.6	ug/L		09/27/21 14:38	09/28/21 20:34	5
Naphthalene	ND		25	3.8	ug/L		09/27/21 14:38	09/28/21 20:34	5
Nitrobenzene	ND		25	1.5	ug/L		09/27/21 14:38	09/28/21 20:34	5
Pentachlorophenol	ND	*+	50	11	ug/L		09/27/21 14:38	09/28/21 20:34	5
Phenanthrene	ND		25	2.2	ug/L		09/27/21 14:38	09/28/21 20:34	5
Phenol	ND		25	2.0	ug/L		09/27/21 14:38	09/28/21 20:34	5
Pyrene	ND		25	1.7	ug/L		09/27/21 14:38	09/28/21 20:34	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*95*		*41 - 120*	*09/27/21 14:38*	*09/28/21 20:34*	*5*
2-Fluorobiphenyl	*84*		*48 - 120*	*09/27/21 14:38*	*09/28/21 20:34*	*5*
2-Fluorophenol	*56*		*35 - 120*	*09/27/21 14:38*	*09/28/21 20:34*	*5*
Nitrobenzene-d5	*84*		*46 - 120*	*09/27/21 14:38*	*09/28/21 20:34*	*5*
p-Terphenyl-d14	*77*		*60 - 148*	*09/27/21 14:38*	*09/28/21 20:34*	*5*

Client Sample ID: S-4
Lab Sample ID: 480-190061-9

Date Collected: 09/23/21 13:45
Matrix: Water
Date Received: 09/24/21 14:30

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Phenol-d5	*44*		*22 - 120*	*09/27/21 14:38*	*09/28/21 20:34*	*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		09/30/21 09:04	10/01/21 14:43	1
4,4'-DDE	ND		0.050	0.012	ug/L		09/30/21 09:04	10/01/21 14:43	1
4,4'-DDT	ND		0.050	0.011	ug/L		09/30/21 09:04	10/01/21 14:43	1
Aldrin	ND		0.050	0.0081	ug/L		09/30/21 09:04	10/01/21 14:43	1
alpha-BHC	ND		0.050	0.0077	ug/L		09/30/21 09:04	10/01/21 14:43	1
cis-Chlordane	ND		0.050	0.015	ug/L		09/30/21 09:04	10/01/21 14:43	1
beta-BHC	ND		0.050	0.025	ug/L		09/30/21 09:04	10/01/21 14:43	1
delta-BHC	ND		0.050	0.010	ug/L		09/30/21 09:04	10/01/21 14:43	1
Dieldrin	ND		0.050	0.0098	ug/L		09/30/21 09:04	10/01/21 14:43	1
Endosulfan I	**0.028**	**J**	0.050	0.011	ug/L		09/30/21 09:04	10/01/21 14:43	1
Endosulfan II	ND		0.050	0.012	ug/L		09/30/21 09:04	10/01/21 14:43	1
Endosulfan sulfate	ND		0.050	0.016	ug/L		09/30/21 09:04	10/01/21 14:43	1
Endrin	ND		0.050	0.014	ug/L		09/30/21 09:04	10/01/21 14:43	1
Endrin aldehyde	ND		0.050	0.016	ug/L		09/30/21 09:04	10/01/21 14:43	1
Endrin ketone	ND		0.050	0.012	ug/L		09/30/21 09:04	10/01/21 14:43	1
gamma-BHC (Lindane)	**0.016**	**J**	0.050	0.0080	ug/L		09/30/21 09:04	10/01/21 14:43	1
trans-Chlordane	ND		0.050	0.011	ug/L		09/30/21 09:04	10/01/21 14:43	1
Heptachlor	ND		0.050	0.0085	ug/L		09/30/21 09:04	10/01/21 14:43	1
Heptachlor epoxide	ND		0.050	0.0074	ug/L		09/30/21 09:04	10/01/21 14:43	1
Methoxychlor	ND		0.050	0.014	ug/L		09/30/21 09:04	10/01/21 14:43	1
Toxaphene	ND		0.50	0.12	ug/L		09/30/21 09:04	10/01/21 14:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	*44*		*20 - 120*	*09/30/21 09:04*	*10/01/21 14:43*	*1*
Tetrachloro-m-xylene	*86*		*44 - 120*	*09/30/21 09:04*	*10/01/21 14:43*	*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		09/28/21 07:02	09/28/21 23:02	1
PCB-1221	ND		0.50	0.18	ug/L		09/28/21 07:02	09/28/21 23:02	1
PCB-1232	**3.3**		0.50	0.18	ug/L		09/28/21 07:02	09/28/21 23:02	1
PCB-1242	ND		0.50	0.18	ug/L		09/28/21 07:02	09/28/21 23:02	1
PCB-1248	ND		0.50	0.18	ug/L		09/28/21 07:02	09/28/21 23:02	1
PCB-1254	ND		0.50	0.25	ug/L		09/28/21 07:02	09/28/21 23:02	1
PCB-1260	ND		0.50	0.25	ug/L		09/28/21 07:02	09/28/21 23:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	*59*		*19 - 120*	*09/28/21 07:02*	*09/28/21 23:02*	*1*
Tetrachloro-m-xylene	*97*		*39 - 121*	*09/28/21 07:02*	*09/28/21 23:02*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.34**	**B**	0.20	0.060	mg/L		09/27/21 09:54	09/27/21 22:46	1
Antimony	ND		0.020	0.0068	mg/L		09/27/21 09:54	09/27/21 22:46	1
Arsenic	ND		0.010	0.0056	mg/L		09/27/21 09:54	09/27/21 22:46	1
Barium	**0.029**		0.0020	0.00070	mg/L		09/27/21 09:54	09/27/21 22:46	1

Client: Groundwater & Environmental Services Inc
Job ID: 480-190061-1
Project/Site: Cherry Farms Annual GW Sample

Client Sample ID: S-4
Lab Sample ID: 480-190061-9
Date Collected: 09/23/21 13:45
Matrix: Water
Date Received: 09/24/21 14:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	ND		0.0020	0.00030	mg/L		09/27/21 09:54	09/27/21 22:46	1
Cadmium	ND		0.0010	0.00050	mg/L		09/27/21 09:54	09/27/21 22:46	1
Calcium	**95.8**		0.50	0.10	mg/L		09/27/21 09:54	09/27/21 22:46	1
Chromium	ND		0.0040	0.0010	mg/L		09/27/21 09:54	09/27/21 22:46	1
Cobalt	ND		0.0040	0.00063	mg/L		09/27/21 09:54	09/27/21 22:46	1
Copper	ND		0.010	0.0016	mg/L		09/27/21 09:54	09/27/21 22:46	1
Iron	**0.14**		0.050	0.019	mg/L		09/27/21 09:54	09/27/21 22:46	1
Lead	ND		0.0050	0.0030	mg/L		09/27/21 09:54	09/27/21 22:46	1
Magnesium	**4.0**		0.20	0.043	mg/L		09/27/21 09:54	09/27/21 22:46	1
Manganese	**0.073**	**B**	0.0030	0.00040	mg/L		09/27/21 09:54	09/27/21 22:46	1
Nickel	ND		0.010	0.0013	mg/L		09/27/21 09:54	09/27/21 22:46	1
Potassium	**65.6**		0.50	0.10	mg/L		09/27/21 09:54	09/27/21 22:46	1
Selenium	ND		0.015	0.0087	mg/L		09/27/21 09:54	09/27/21 22:46	1
Silver	ND		0.0030	0.0017	mg/L		09/27/21 09:54	09/27/21 22:46	1
Sodium	**173**		1.0	0.32	mg/L		09/27/21 09:54	09/27/21 22:46	1
Thallium	ND		0.020	0.010	mg/L		09/27/21 09:54	09/27/21 22:46	1
Vanadium	**0.0052**		0.0050	0.0015	mg/L		09/27/21 09:54	09/27/21 22:46	1
Zinc	**0.0067**	**J B**	0.010	0.0015	mg/L		09/27/21 09:54	09/27/21 22:46	1

Method: 7470A_ASP - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000043	mg/L		09/27/21 13:25	09/27/21 17:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**0.038**		0.010	0.0050	mg/L		09/28/21 13:14	09/28/21 19:59	1

Client Sample ID: DUP
Lab Sample ID: 480-190061-10
Date Collected: 09/23/21 15:15
Matrix: Water
Date Received: 09/24/21 14:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.0	1.6	ug/L			10/01/21 05:42	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			10/01/21 05:42	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			10/01/21 05:42	2
1,1-Dichloroethane	ND		2.0	0.76	ug/L			10/01/21 05:42	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			10/01/21 05:42	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			10/01/21 05:42	2
1,2-Dichloroethene, Total	ND		4.0	1.6	ug/L			10/01/21 05:42	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			10/01/21 05:42	2
2-Butanone (MEK)	ND		20	2.6	ug/L			10/01/21 05:42	2
2-Hexanone	ND		10	2.5	ug/L			10/01/21 05:42	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			10/01/21 05:42	2
Acetone	ND		20	6.0	ug/L			10/01/21 05:42	2
Benzene	ND		2.0	0.82	ug/L			10/01/21 05:42	2
Bromoform	ND		2.0	0.52	ug/L			10/01/21 05:42	2
Bromomethane	ND		2.0	1.4	ug/L			10/01/21 05:42	2
Carbon disulfide	ND		2.0	0.38	ug/L			10/01/21 05:42	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			10/01/21 05:42	2

Client Sample ID: DUP
Lab Sample ID: 480-190061-10
Date Collected: 09/23/21 15:15
Matrix: Water
Date Received: 09/24/21 14:30

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			10/01/21 05:42	2
Dibromochloromethane	ND		2.0	0.64	ug/L			10/01/21 05:42	2
Chloroethane	ND		2.0	0.64	ug/L			10/01/21 05:42	2
Chloroform	ND		2.0	0.68	ug/L			10/01/21 05:42	2
Chloromethane	ND		2.0	0.70	ug/L			10/01/21 05:42	2
Bromodichloromethane	ND		2.0	0.78	ug/L			10/01/21 05:42	2
Ethylbenzene	ND		2.0	1.5	ug/L			10/01/21 05:42	2
Methylene Chloride	ND		2.0	0.88	ug/L			10/01/21 05:42	2
Tetrachloroethene	ND		2.0	0.72	ug/L			10/01/21 05:42	2
Toluene	ND		2.0	1.0	ug/L			10/01/21 05:42	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			10/01/21 05:42	2
Trichloroethene	ND		2.0	0.92	ug/L			10/01/21 05:42	2
Vinyl chloride	ND		2.0	1.8	ug/L			10/01/21 05:42	2
Xylenes, Total	ND		4.0	1.3	ug/L			10/01/21 05:42	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			10/01/21 05:42	2
Styrene	ND		2.0	1.5	ug/L			10/01/21 05:42	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*10/01/21 05:42*	*2*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*10/01/21 05:42*	*2*
Toluene-d8 (Surr)	*104*		*80 - 120*		*10/01/21 05:42*	*2*
Dibromofluoromethane (Surr)	*95*		*75 - 123*		*10/01/21 05:42*	*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		09/27/21 14:38	09/28/21 21:01	1
1,2,4-Trichlorobenzene	ND		10	0.44	ug/L		09/27/21 14:38	09/28/21 21:01	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		09/27/21 14:38	09/28/21 21:01	1
1,2-Dichlorobenzene	ND		10	0.40	ug/L		09/27/21 14:38	09/28/21 21:01	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		09/27/21 14:38	09/28/21 21:01	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		09/27/21 14:38	09/28/21 21:01	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		09/27/21 14:38	09/28/21 21:01	1
1,3-Dichlorobenzene	ND		10	0.48	ug/L		09/27/21 14:38	09/28/21 21:01	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		09/27/21 14:38	09/28/21 21:01	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		09/27/21 14:38	09/28/21 21:01	1
1,4-Dichlorobenzene	ND		10	0.46	ug/L		09/27/21 14:38	09/28/21 21:01	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		09/27/21 14:38	09/28/21 21:01	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		09/27/21 14:38	09/28/21 21:01	1
2-Chlorophenol	ND		5.0	0.53	ug/L		09/27/21 14:38	09/28/21 21:01	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		09/27/21 14:38	09/28/21 21:01	1
2-Methylphenol	ND		5.0	0.40	ug/L		09/27/21 14:38	09/28/21 21:01	1
2-Nitroaniline	ND		10	0.42	ug/L		09/27/21 14:38	09/28/21 21:01	1
2-Nitrophenol	ND		5.0	0.48	ug/L		09/27/21 14:38	09/28/21 21:01	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		09/27/21 14:38	09/28/21 21:01	1
3-Nitroaniline	ND		10	0.48	ug/L		09/27/21 14:38	09/28/21 21:01	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		09/27/21 14:38	09/28/21 21:01	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		09/27/21 14:38	09/28/21 21:01	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		09/27/21 14:38	09/28/21 21:01	1
4-Chloroaniline	ND		5.0	0.59	ug/L		09/27/21 14:38	09/28/21 21:01	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		09/27/21 14:38	09/28/21 21:01	1

Client Sample ID: DUP
Lab Sample ID: 480-190061-10

Date Collected: 09/23/21 15:15
Matrix: Water
Date Received: 09/24/21 14:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methylphenol	ND		10	0.36	ug/L		09/27/21 14:38	09/28/21 21:01	1
4-Nitroaniline	ND		10	0.25	ug/L		09/27/21 14:38	09/28/21 21:01	1
4-Nitrophenol	ND		10	1.5	ug/L		09/27/21 14:38	09/28/21 21:01	1
Acenaphthene	ND		5.0	0.41	ug/L		09/27/21 14:38	09/28/21 21:01	1
Acenaphthylene	ND		5.0	0.38	ug/L		09/27/21 14:38	09/28/21 21:01	1
Anthracene	ND		5.0	0.28	ug/L		09/27/21 14:38	09/28/21 21:01	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		09/27/21 14:38	09/28/21 21:01	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		09/27/21 14:38	09/28/21 21:01	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		09/27/21 14:38	09/28/21 21:01	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		09/27/21 14:38	09/28/21 21:01	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		09/27/21 14:38	09/28/21 21:01	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		09/27/21 14:38	09/28/21 21:01	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		09/27/21 14:38	09/28/21 21:01	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		09/27/21 14:38	09/28/21 21:01	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		09/27/21 14:38	09/28/21 21:01	1
Carbazole	ND		5.0	0.30	ug/L		09/27/21 14:38	09/28/21 21:01	1
Chrysene	ND		5.0	0.33	ug/L		09/27/21 14:38	09/28/21 21:01	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		09/27/21 14:38	09/28/21 21:01	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		09/27/21 14:38	09/28/21 21:01	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		09/27/21 14:38	09/28/21 21:01	1
Dibenzofuran	ND		10	0.51	ug/L		09/27/21 14:38	09/28/21 21:01	1
Diethyl phthalate	ND		5.0	0.22	ug/L		09/27/21 14:38	09/28/21 21:01	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		09/27/21 14:38	09/28/21 21:01	1
Fluoranthene	ND		5.0	0.40	ug/L		09/27/21 14:38	09/28/21 21:01	1
Fluorene	ND		5.0	0.36	ug/L		09/27/21 14:38	09/28/21 21:01	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		09/27/21 14:38	09/28/21 21:01	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		09/27/21 14:38	09/28/21 21:01	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		09/27/21 14:38	09/28/21 21:01	1
Hexachloroethane	ND		5.0	0.59	ug/L		09/27/21 14:38	09/28/21 21:01	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		09/27/21 14:38	09/28/21 21:01	1
Isophorone	ND		5.0	0.43	ug/L		09/27/21 14:38	09/28/21 21:01	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		09/27/21 14:38	09/28/21 21:01	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		09/27/21 14:38	09/28/21 21:01	1
Naphthalene	ND		5.0	0.76	ug/L		09/27/21 14:38	09/28/21 21:01	1
Nitrobenzene	ND		5.0	0.29	ug/L		09/27/21 14:38	09/28/21 21:01	1
Pentachlorophenol	ND	*+	10	2.2	ug/L		09/27/21 14:38	09/28/21 21:01	1
Phenanthrene	ND		5.0	0.44	ug/L		09/27/21 14:38	09/28/21 21:01	1
Phenol	ND		5.0	0.39	ug/L		09/27/21 14:38	09/28/21 21:01	1
Pyrene	ND		5.0	0.34	ug/L		09/27/21 14:38	09/28/21 21:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*98*		*41 - 120*	*09/27/21 14:38*	*09/28/21 21:01*	*1*
2-Fluorobiphenyl	*91*		*48 - 120*	*09/27/21 14:38*	*09/28/21 21:01*	*1*
2-Fluorophenol	*70*		*35 - 120*	*09/27/21 14:38*	*09/28/21 21:01*	*1*
Nitrobenzene-d5	*102*		*46 - 120*	*09/27/21 14:38*	*09/28/21 21:01*	*1*
p-Terphenyl-d14	*75*		*60 - 148*	*09/27/21 14:38*	*09/28/21 21:01*	*1*
Phenol-d5	*52*		*22 - 120*	*09/27/21 14:38*	*09/28/21 21:01*	*1*

Surrogate Summary

Client: Groundwater & Environmental Services Inc
Job ID: 480-190061-1
Project/Site: Cherry Farms Annual GW Sample

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

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

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(77-120)	(73-120)	(80-120)	(75-123)
480-190061-1	MW-4	104	99	105	105
480-190061-2	MW-5	103	101	100	99
480-190061-2 MS	MW-5	100	99	105	103
480-190061-2 MSD	MW-5	97	98	100	96
480-190061-3	MW-6	98	98	102	95
480-190061-4	RW-4	104	97	101	106
480-190061-5	RW-5	99	98	98	93
480-190061-6	S-1	100	101	101	97
480-190061-7	S-2	105	98	104	107
480-190061-8	S-3	98	100	99	99
480-190061-9	S-4	99	93	100	96
480-190061-10	DUP	98	98	104	95
LCS 480-598610/6	Lab Control Sample	99	97	102	96
MB 480-598610/8	Method Blank	102	95	104	95

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**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	TPHd14	PHL
Lab Sample ID	Client Sample ID	(41-120)	(48-120)	(35-120)	(46-120)	(60-148)	(22-120)
480-190061-1	MW-4	90	88	56	82	72	44
480-190061-2	MW-5	99	83	60	89	79	44
480-190061-2 MS	MW-5	113	100	66	102	61	51
480-190061-2 MSD	MW-5	105	94	62	91	60	48
480-190061-3	MW-6	92	84	58	86	75	44
480-190061-4	RW-4	98	73	49	72	94	42
480-190061-5	RW-5	93	73	40	69	76	34
480-190061-6	S-1	99	88	69	95	74	51
480-190061-7	S-2	85	67	42	66	74	31
480-190061-8	S-3	72	71	49	81	70	38
480-190061-9	S-4	95	84	56	84	77	44
480-190061-10	DUP	98	91	70	102	75	52
LCS 480-598041/2-A	Lab Control Sample	113	91	57	91	93	46
MB 480-598041/1-A	Method Blank	90	89	62	93	104	44

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
Job ID: 480-190061-1
Project/Site: Cherry Farms Annual GW Sample

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Water
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	DCBP1 (20-120)	TCX1 (44-120)
480-190061-6	S-1	46	83
480-190061-7	S-2	41	80
480-190061-8	S-3	50	87
480-190061-9	S-4	44	86
LCS 480-598484/2-A	Lab Control Sample	23	64
LCSD 480-598484/3-A	Lab Control Sample Dup	32	66
MB 480-598484/1-A	Method Blank	46	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	DCBP1 (19-120)	TCX1 (39-121)
480-190061-6	S-1	43	92
480-190061-7	S-2	49	98
480-190061-8	S-3	60	95
480-190061-9	S-4	59	97
LCS 480-598104/2-A	Lab Control Sample	58	81
LCSD 480-598104/3-A	Lab Control Sample Dup	59	80
MB 480-598104/1-A	Method Blank	60	74

Surrogate Legend

DCBP = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

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

Lab Sample ID: MB 480-598610/8
Matrix: Water
Analysis Batch: 598610

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			09/30/21 23:09	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/30/21 23:09	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/30/21 23:09	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/30/21 23:09	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/30/21 23:09	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/30/21 23:09	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			09/30/21 23:09	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/30/21 23:09	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/30/21 23:09	1
2-Hexanone	ND		5.0	1.2	ug/L			09/30/21 23:09	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/30/21 23:09	1
Acetone	ND		10	3.0	ug/L			09/30/21 23:09	1
Benzene	ND		1.0	0.41	ug/L			09/30/21 23:09	1
Bromoform	ND		1.0	0.26	ug/L			09/30/21 23:09	1
Bromomethane	ND		1.0	0.69	ug/L			09/30/21 23:09	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/30/21 23:09	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/30/21 23:09	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/30/21 23:09	1
Dibromochloromethane	ND		1.0	0.32	ug/L			09/30/21 23:09	1
Chloroethane	ND		1.0	0.32	ug/L			09/30/21 23:09	1
Chloroform	ND		1.0	0.34	ug/L			09/30/21 23:09	1
Chloromethane	ND		1.0	0.35	ug/L			09/30/21 23:09	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/30/21 23:09	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/30/21 23:09	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/30/21 23:09	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/30/21 23:09	1
Toluene	ND		1.0	0.51	ug/L			09/30/21 23:09	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/30/21 23:09	1
Trichloroethene	ND		1.0	0.46	ug/L			09/30/21 23:09	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/30/21 23:09	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/30/21 23:09	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/30/21 23:09	1
Styrene	ND		1.0	0.73	ug/L			09/30/21 23:09	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*09/30/21 23:09*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*09/30/21 23:09*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*09/30/21 23:09*	*1*
Dibromofluoromethane (Surr)	*95*		*75 - 123*		*09/30/21 23:09*	*1*

Lab Sample ID: LCS 480-598610/6
Matrix: Water
Analysis Batch: 598610

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	21.7		ug/L		87	73 - 126
1,1,2,2-Tetrachloroethane	25.0	25.6		ug/L		102	76 - 120
1,1,2-Trichloroethane	25.0	25.1		ug/L		100	76 - 122

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

Lab Sample ID: LCS 480-598610/6
Matrix: Water
Analysis Batch: 598610

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	23.6		ug/L		94	77 - 120
1,1-Dichloroethene	25.0	18.1		ug/L		72	66 - 127
1,2-Dichloroethane	25.0	24.0		ug/L		96	75 - 120
1,2-Dichloropropane	25.0	26.1		ug/L		105	76 - 120
2-Butanone (MEK)	125	143		ug/L		115	57 - 140
2-Hexanone	125	134		ug/L		107	65 - 127
4-Methyl-2-pentanone (MIBK)	125	126		ug/L		101	71 - 125
Acetone	125	126		ug/L		101	56 - 142
Benzene	25.0	25.0		ug/L		100	71 - 124
Bromoform	25.0	22.0		ug/L		88	61 - 132
Bromomethane	25.0	18.0		ug/L		72	55 - 144
Carbon disulfide	25.0	18.4		ug/L		73	59 - 134
Carbon tetrachloride	25.0	21.3		ug/L		85	72 - 134
Chlorobenzene	25.0	25.0		ug/L		100	80 - 120
Dibromochloromethane	25.0	23.3		ug/L		93	75 - 125
Chloroethane	25.0	19.8		ug/L		79	69 - 136
Chloroform	25.0	21.9		ug/L		88	73 - 127
Chloromethane	25.0	21.6		ug/L		86	68 - 124
Bromodichloromethane	25.0	24.4		ug/L		98	80 - 122
Ethylbenzene	25.0	24.7		ug/L		99	77 - 123
Methylene Chloride	25.0	24.2		ug/L		97	75 - 124
Tetrachloroethene	25.0	24.6		ug/L		98	74 - 122
Toluene	25.0	25.3		ug/L		101	80 - 122
trans-1,3-Dichloropropene	25.0	25.1		ug/L		100	80 - 120
Trichloroethene	25.0	25.3		ug/L		101	74 - 123
Vinyl chloride	25.0	21.2		ug/L		85	65 - 133
cis-1,3-Dichloropropene	25.0	26.1		ug/L		104	74 - 124
Styrene	25.0	25.2		ug/L		101	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*
Toluene-d8 (Surr)	*102*		*80 - 120*
Dibromofluoromethane (Surr)	*96*		*75 - 123*

Lab Sample ID: 480-190061-2 MS
Matrix: Water
Analysis Batch: 598610

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	ND		50.0	52.5		ug/L		105	73 - 126
1,1,2,2-Tetrachloroethane	ND		50.0	53.2		ug/L		106	76 - 120
1,1,2-Trichloroethane	ND		50.0	51.3		ug/L		103	76 - 122
1,1-Dichloroethane	ND		50.0	56.4		ug/L		113	77 - 120
1,1-Dichloroethene	ND		50.0	38.3		ug/L		77	66 - 127
1,2-Dichloroethane	ND		50.0	51.2		ug/L		102	75 - 120
1,2-Dichloropropane	ND		50.0	53.9		ug/L		108	76 - 120
2-Butanone (MEK)	ND		250	259		ug/L		104	57 - 140

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

Lab Sample ID: 480-190061-2 MS
Matrix: Water
Analysis Batch: 598610

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Hexanone	ND		250	266		ug/L		106	65 - 127
4-Methyl-2-pentanone (MIBK)	ND		250	271		ug/L		109	71 - 125
Acetone	14	J F2	250	226		ug/L		85	56 - 142
Benzene	ND		50.0	55.6		ug/L		111	71 - 124
Bromoform	ND		50.0	42.7		ug/L		85	61 - 132
Bromomethane	ND	F2	50.0	44.0		ug/L		88	55 - 144
Carbon disulfide	ND		50.0	38.9		ug/L		78	59 - 134
Carbon tetrachloride	ND		50.0	48.8		ug/L		98	72 - 134
Chlorobenzene	ND		50.0	54.5		ug/L		109	80 - 120
Dibromochloromethane	ND		50.0	48.8		ug/L		98	75 - 125
Chloroethane	ND		50.0	46.7		ug/L		93	69 - 136
Chloroform	ND		50.0	51.1		ug/L		102	73 - 127
Chloromethane	ND		50.0	51.8		ug/L		104	68 - 124
Bromodichloromethane	ND		50.0	52.0		ug/L		104	80 - 122
Ethylbenzene	ND		50.0	54.9		ug/L		110	77 - 123
Methylene Chloride	ND		50.0	47.1		ug/L		94	75 - 124
Tetrachloroethene	ND		50.0	56.9		ug/L		114	74 - 122
Toluene	ND		50.0	55.7		ug/L		111	80 - 122
trans-1,3-Dichloropropene	ND		50.0	45.5		ug/L		91	80 - 120
Trichloroethene	ND		50.0	55.8		ug/L		112	74 - 123
Vinyl chloride	ND	F2	50.0	51.6		ug/L		103	65 - 133
cis-1,3-Dichloropropene	ND		50.0	47.3		ug/L		95	74 - 124
Styrene	ND		50.0	52.7		ug/L		105	80 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*
Toluene-d8 (Surr)	*105*		*80 - 120*
Dibromofluoromethane (Surr)	*103*		*75 - 123*

Lab Sample ID: 480-190061-2 MSD
Matrix: Water
Analysis Batch: 598610

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND		50.0	45.2		ug/L		90	73 - 126	15	15
1,1,2,2-Tetrachloroethane	ND		50.0	50.6		ug/L		101	76 - 120	5	15
1,1,2-Trichloroethane	ND		50.0	50.3		ug/L		101	76 - 122	2	15
1,1-Dichloroethane	ND		50.0	49.2		ug/L		98	77 - 120	14	20
1,1-Dichloroethene	ND		50.0	43.6		ug/L		87	66 - 127	13	16
1,2-Dichloroethane	ND		50.0	48.5		ug/L		97	75 - 120	6	20
1,2-Dichloropropane	ND		50.0	53.9		ug/L		108	76 - 120	0	20
2-Butanone (MEK)	ND		250	286		ug/L		115	57 - 140	10	20
2-Hexanone	ND		250	284		ug/L		113	65 - 127	6	15
4-Methyl-2-pentanone (MIBK)	ND		250	264		ug/L		105	71 - 125	3	35
Acetone	14	J F2	250	286	F2	ug/L		108	56 - 142	23	15
Benzene	ND		50.0	52.5		ug/L		105	71 - 124	6	13
Bromoform	ND		50.0	42.0		ug/L		84	61 - 132	2	15

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

Lab Sample ID: 480-190061-2 MSD
Matrix: Water
Analysis Batch: 598610

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bromomethane	ND	F2	50.0	36.4	F2	ug/L		73	55 - 144	19	15
Carbon disulfide	ND		50.0	44.0		ug/L		88	59 - 134	12	15
Carbon tetrachloride	ND		50.0	43.7		ug/L		87	72 - 134	11	15
Chlorobenzene	ND		50.0	51.5		ug/L		103	80 - 120	6	25
Dibromochloromethane	ND		50.0	44.8		ug/L		90	75 - 125	9	15
Chloroethane	ND		50.0	40.4		ug/L		81	69 - 136	15	15
Chloroform	ND		50.0	45.1		ug/L		90	73 - 127	12	20
Chloromethane	ND		50.0	45.2		ug/L		90	68 - 124	14	15
Bromodichloromethane	ND		50.0	49.4		ug/L		99	80 - 122	5	15
Ethylbenzene	ND		50.0	50.8		ug/L		102	77 - 123	8	15
Methylene Chloride	ND		50.0	49.1		ug/L		98	75 - 124	4	15
Tetrachloroethene	ND		50.0	50.6		ug/L		101	74 - 122	12	20
Toluene	ND		50.0	51.1		ug/L		102	80 - 122	9	15
trans-1,3-Dichloropropene	ND		50.0	46.3		ug/L		93	80 - 120	2	15
Trichloroethene	ND		50.0	51.4		ug/L		103	74 - 123	8	16
Vinyl chloride	ND	F2	50.0	44.1	F2	ug/L		88	65 - 133	16	15
cis-1,3-Dichloropropene	ND		50.0	48.5		ug/L		97	74 - 124	3	15
Styrene	ND		50.0	51.0		ug/L		102	80 - 120	3	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*
Toluene-d8 (Surr)	*100*		*80 - 120*
Dibromofluoromethane (Surr)	*96*		*75 - 123*

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

Lab Sample ID: MB 480-598041/1-A
Matrix: Water
Analysis Batch: 598205

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 598041

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		09/27/21 14:38	09/28/21 15:18	1
1,2,4-Trichlorobenzene	ND		10	0.44	ug/L		09/27/21 14:38	09/28/21 15:18	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		09/27/21 14:38	09/28/21 15:18	1
1,2-Dichlorobenzene	ND		10	0.40	ug/L		09/27/21 14:38	09/28/21 15:18	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		09/27/21 14:38	09/28/21 15:18	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		09/27/21 14:38	09/28/21 15:18	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		09/27/21 14:38	09/28/21 15:18	1
1,3-Dichlorobenzene	ND		10	0.48	ug/L		09/27/21 14:38	09/28/21 15:18	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		09/27/21 14:38	09/28/21 15:18	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		09/27/21 14:38	09/28/21 15:18	1
1,4-Dichlorobenzene	ND		10	0.46	ug/L		09/27/21 14:38	09/28/21 15:18	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		09/27/21 14:38	09/28/21 15:18	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		09/27/21 14:38	09/28/21 15:18	1
2-Chlorophenol	ND		5.0	0.53	ug/L		09/27/21 14:38	09/28/21 15:18	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		09/27/21 14:38	09/28/21 15:18	1
2-Methylphenol	ND		5.0	0.40	ug/L		09/27/21 14:38	09/28/21 15:18	1
2-Nitroaniline	ND		10	0.42	ug/L		09/27/21 14:38	09/28/21 15:18	1

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

Lab Sample ID: MB 480-598041/1-A
Matrix: Water
Analysis Batch: 598205

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 598041

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitrophenol	ND		5.0	0.48	ug/L		09/27/21 14:38	09/28/21 15:18	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		09/27/21 14:38	09/28/21 15:18	1
3-Nitroaniline	ND		10	0.48	ug/L		09/27/21 14:38	09/28/21 15:18	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		09/27/21 14:38	09/28/21 15:18	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		09/27/21 14:38	09/28/21 15:18	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		09/27/21 14:38	09/28/21 15:18	1
4-Chloroaniline	ND		5.0	0.59	ug/L		09/27/21 14:38	09/28/21 15:18	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		09/27/21 14:38	09/28/21 15:18	1
4-Methylphenol	ND		10	0.36	ug/L		09/27/21 14:38	09/28/21 15:18	1
4-Nitroaniline	ND		10	0.25	ug/L		09/27/21 14:38	09/28/21 15:18	1
4-Nitrophenol	ND		10	1.5	ug/L		09/27/21 14:38	09/28/21 15:18	1
Acenaphthene	ND		5.0	0.41	ug/L		09/27/21 14:38	09/28/21 15:18	1
Acenaphthylene	ND		5.0	0.38	ug/L		09/27/21 14:38	09/28/21 15:18	1
Anthracene	ND		5.0	0.28	ug/L		09/27/21 14:38	09/28/21 15:18	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		09/27/21 14:38	09/28/21 15:18	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		09/27/21 14:38	09/28/21 15:18	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		09/27/21 14:38	09/28/21 15:18	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		09/27/21 14:38	09/28/21 15:18	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		09/27/21 14:38	09/28/21 15:18	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		09/27/21 14:38	09/28/21 15:18	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		09/27/21 14:38	09/28/21 15:18	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		09/27/21 14:38	09/28/21 15:18	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		09/27/21 14:38	09/28/21 15:18	1
Carbazole	ND		5.0	0.30	ug/L		09/27/21 14:38	09/28/21 15:18	1
Chrysene	ND		5.0	0.33	ug/L		09/27/21 14:38	09/28/21 15:18	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		09/27/21 14:38	09/28/21 15:18	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		09/27/21 14:38	09/28/21 15:18	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		09/27/21 14:38	09/28/21 15:18	1
Dibenzofuran	ND		10	0.51	ug/L		09/27/21 14:38	09/28/21 15:18	1
Diethyl phthalate	ND		5.0	0.22	ug/L		09/27/21 14:38	09/28/21 15:18	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		09/27/21 14:38	09/28/21 15:18	1
Fluoranthene	ND		5.0	0.40	ug/L		09/27/21 14:38	09/28/21 15:18	1
Fluorene	ND		5.0	0.36	ug/L		09/27/21 14:38	09/28/21 15:18	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		09/27/21 14:38	09/28/21 15:18	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		09/27/21 14:38	09/28/21 15:18	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		09/27/21 14:38	09/28/21 15:18	1
Hexachloroethane	ND		5.0	0.59	ug/L		09/27/21 14:38	09/28/21 15:18	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		09/27/21 14:38	09/28/21 15:18	1
Isophorone	ND		5.0	0.43	ug/L		09/27/21 14:38	09/28/21 15:18	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		09/27/21 14:38	09/28/21 15:18	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		09/27/21 14:38	09/28/21 15:18	1
Naphthalene	ND		5.0	0.76	ug/L		09/27/21 14:38	09/28/21 15:18	1
Nitrobenzene	ND		5.0	0.29	ug/L		09/27/21 14:38	09/28/21 15:18	1
Pentachlorophenol	ND		10	2.2	ug/L		09/27/21 14:38	09/28/21 15:18	1
Phenanthrene	ND		5.0	0.44	ug/L		09/27/21 14:38	09/28/21 15:18	1
Phenol	ND		5.0	0.39	ug/L		09/27/21 14:38	09/28/21 15:18	1
Pyrene	ND		5.0	0.34	ug/L		09/27/21 14:38	09/28/21 15:18	1

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

Lab Sample ID: MB 480-598041/1-A
Matrix: Water
Analysis Batch: 598205

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 598041

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	90		41 - 120	09/27/21 14:38	09/28/21 15:18	1
2-Fluorobiphenyl	89		48 - 120	09/27/21 14:38	09/28/21 15:18	1
2-Fluorophenol	62		35 - 120	09/27/21 14:38	09/28/21 15:18	1
Nitrobenzene-d5	93		46 - 120	09/27/21 14:38	09/28/21 15:18	1
p-Terphenyl-d14	104		60 - 148	09/27/21 14:38	09/28/21 15:18	1
Phenol-d5	44		22 - 120	09/27/21 14:38	09/28/21 15:18	1

Lab Sample ID: LCS 480-598041/2-A
Matrix: Water
Analysis Batch: 598205

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 598041

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
bis (2-chloroisopropyl) ether	32.0	30.9		ug/L		96	21 - 136
1,2,4-Trichlorobenzene	32.0	24.7		ug/L		77	40 - 120
2,4,5-Trichlorophenol	32.0	30.5		ug/L		95	65 - 126
1,2-Dichlorobenzene	32.0	23.2		ug/L		72	49 - 120
2,4,6-Trichlorophenol	32.0	28.7		ug/L		90	64 - 120
2,4-Dichlorophenol	32.0	27.7		ug/L		87	63 - 120
2,4-Dimethylphenol	32.0	28.7		ug/L		90	47 - 120
1,3-Dichlorobenzene	32.0	21.6		ug/L		68	50 - 120
2,4-Dinitrophenol	64.0	54.2		ug/L		85	31 - 137
2,4-Dinitrotoluene	32.0	31.8		ug/L		99	69 - 120
1,4-Dichlorobenzene	32.0	22.3		ug/L		70	51 - 120
2,6-Dinitrotoluene	32.0	26.7		ug/L		84	68 - 120
2-Chloronaphthalene	32.0	27.5		ug/L		86	58 - 120
2-Chlorophenol	32.0	24.3		ug/L		76	48 - 120
2-Methylnaphthalene	32.0	27.9		ug/L		87	59 - 120
2-Methylphenol	32.0	32.5		ug/L		102	39 - 120
2-Nitroaniline	32.0	31.6		ug/L		99	54 - 127
2-Nitrophenol	32.0	25.2		ug/L		79	52 - 125
3,3'-Dichlorobenzidine	64.0	75.4		ug/L		118	49 - 135
3-Nitroaniline	32.0	28.7		ug/L		90	51 - 120
4,6-Dinitro-2-methylphenol	64.0	66.5		ug/L		104	46 - 136
4-Bromophenyl phenyl ether	32.0	32.6		ug/L		102	65 - 120
4-Chloro-3-methylphenol	32.0	29.5		ug/L		92	61 - 123
4-Chloroaniline	32.0	24.8		ug/L		78	30 - 120
4-Chlorophenyl phenyl ether	32.0	32.0		ug/L		100	62 - 120
4-Methylphenol	32.0	23.1		ug/L		72	29 - 131
4-Nitroaniline	32.0	31.0		ug/L		97	65 - 120
4-Nitrophenol	64.0	48.1		ug/L		75	45 - 120
Acenaphthene	32.0	29.7		ug/L		93	60 - 120
Acenaphthylene	32.0	31.7		ug/L		99	63 - 120
Anthracene	32.0	33.1		ug/L		104	67 - 120
Benzo[a]anthracene	32.0	32.3		ug/L		101	70 - 121
Benzo[a]pyrene	32.0	29.1		ug/L		91	60 - 123
Benzo[b]fluoranthene	32.0	31.0		ug/L		97	66 - 126
Benzo[g,h,i]perylene	32.0	31.2		ug/L		98	66 - 150
Benzo[k]fluoranthene	32.0	29.6		ug/L		92	65 - 124

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

Lab Sample ID: LCS 480-598041/2-A
Matrix: Water
Analysis Batch: 598205

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 598041

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bis(2-chloroethoxy)methane	32.0	26.5		ug/L		83	50 - 128
Bis(2-chloroethyl)ether	32.0	23.9		ug/L		75	44 - 120
Bis(2-ethylhexyl) phthalate	32.0	26.7		ug/L		84	63 - 139
Butyl benzyl phthalate	32.0	27.9		ug/L		87	70 - 129
Carbazole	32.0	36.3		ug/L		114	66 - 123
Chrysene	32.0	32.0		ug/L		100	69 - 120
Di-n-butyl phthalate	32.0	35.7		ug/L		112	69 - 131
Di-n-octyl phthalate	32.0	26.5		ug/L		83	63 - 140
Dibenz(a,h)anthracene	32.0	32.2		ug/L		101	65 - 135
Dibenzofuran	32.0	29.7		ug/L		93	66 - 120
Diethyl phthalate	32.0	31.1		ug/L		97	59 - 127
Dimethyl phthalate	32.0	28.9		ug/L		90	68 - 120
Fluoranthene	32.0	38.3		ug/L		120	69 - 126
Fluorene	32.0	31.1		ug/L		97	66 - 120
Hexachlorobenzene	32.0	33.9		ug/L		106	61 - 120
Hexachlorobutadiene	32.0	26.0		ug/L		81	35 - 120
Hexachlorocyclopentadiene	32.0	18.7		ug/L		58	31 - 120
Hexachloroethane	32.0	24.9		ug/L		78	43 - 120
Indeno[1,2,3-cd]pyrene	32.0	30.3		ug/L		95	69 - 146
Isophorone	32.0	29.5		ug/L		92	55 - 120
N-Nitrosodi-n-propylamine	32.0	28.4		ug/L		89	32 - 140
N-Nitrosodiphenylamine	32.0	32.4		ug/L		101	61 - 120
Naphthalene	32.0	26.7		ug/L		83	57 - 120
Nitrobenzene	32.0	29.1		ug/L		91	53 - 123
Pentachlorophenol	64.0	109	*+	ug/L		171	29 - 136
Phenanthrene	32.0	36.4		ug/L		114	68 - 120
Phenol	32.0	16.2		ug/L		51	17 - 120
Pyrene	32.0	30.1		ug/L		94	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol	*113*		*41 - 120*
2-Fluorobiphenyl	*91*		*48 - 120*
2-Fluorophenol	*57*		*35 - 120*
Nitrobenzene-d5	*91*		*46 - 120*
p-Terphenyl-d14	*93*		*60 - 148*
Phenol-d5	*46*		*22 - 120*

Lab Sample ID: 480-190061-2 MS
Matrix: Water
Analysis Batch: 598205

Client Sample ID: MW-5
Prep Type: Total/NA
Prep Batch: 598041

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
bis (2-chloroisopropyl) ether	ND		32.0	37.5		ug/L		117	28 - 121
1,2,4-Trichlorobenzene	ND		32.0	26.4		ug/L		83	49 - 120
2,4,5-Trichlorophenol	ND		32.0	33.1		ug/L		104	65 - 126
1,2-Dichlorobenzene	ND		32.0	27.5		ug/L		86	48 - 120
2,4,6-Trichlorophenol	ND		32.0	30.1		ug/L		94	64 - 120
2,4-Dichlorophenol	ND		32.0	29.2		ug/L		91	48 - 132

Client: Groundwater & Environmental Services Inc
Job ID: 480-190061-1
Project/Site: Cherry Farms Annual GW Sample

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

Lab Sample ID: 480-190061-2 MS
Matrix: Water
Analysis Batch: 598205

Client Sample ID: MW-5
Prep Type: Total/NA
Prep Batch: 598041

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-Dimethylphenol	ND		32.0	30.8		ug/L		96	39 - 130
1,3-Dichlorobenzene	ND		32.0	25.9		ug/L		81	51 - 120
2,4-Dinitrophenol	ND		64.0	67.0		ug/L		105	21 - 150
2,4-Dinitrotoluene	ND		32.0	31.0		ug/L		97	54 - 138
1,4-Dichlorobenzene	ND		32.0	25.9		ug/L		81	32 - 150
2,6-Dinitrotoluene	ND		32.0	28.9		ug/L		90	17 - 150
2-Chloronaphthalene	ND		32.0	30.0		ug/L		94	52 - 124
2-Chlorophenol	ND		32.0	27.8		ug/L		87	48 - 120
2-Methylnaphthalene	ND		32.0	29.8		ug/L		93	34 - 140
2-Methylphenol	ND	F1	32.0	40.7	F1	ug/L		127	46 - 120
2-Nitroaniline	ND		32.0	34.3		ug/L		107	44 - 136
2-Nitrophenol	ND		32.0	28.1		ug/L		88	38 - 141
3,3'-Dichlorobenzidine	ND		64.0	41.0		ug/L		64	10 - 150
3-Nitroaniline	ND		32.0	22.6		ug/L		71	32 - 150
4,6-Dinitro-2-methylphenol	ND		64.0	69.6		ug/L		109	38 - 150
4-Bromophenyl phenyl ether	ND		32.0	33.4		ug/L		104	63 - 126
4-Chloro-3-methylphenol	ND		32.0	30.5		ug/L		95	64 - 127
4-Chloroaniline	ND		32.0	21.6		ug/L		67	16 - 124
4-Chlorophenyl phenyl ether	ND		32.0	32.4		ug/L		101	61 - 120
4-Methylphenol	ND		32.0	25.3		ug/L		79	36 - 120
4-Nitroaniline	ND		32.0	31.7		ug/L		99	32 - 150
4-Nitrophenol	ND		64.0	53.6		ug/L		84	23 - 132
Acenaphthene	ND		32.0	31.6		ug/L		99	48 - 120
Acenaphthylene	ND		32.0	34.3		ug/L		107	63 - 120
Anthracene	ND		32.0	31.6		ug/L		99	65 - 122
Benzo[a]anthracene	ND		32.0	28.3		ug/L		88	43 - 124
Benzo[a]pyrene	ND		32.0	24.2		ug/L		76	23 - 125
Benzo[b]fluoranthene	ND		32.0	24.6		ug/L		77	27 - 127
Benzo[g,h,i]perylene	ND		32.0	22.9		ug/L		72	16 - 147
Benzo[k]fluoranthene	ND		32.0	24.6		ug/L		77	20 - 124
Bis(2-chloroethoxy)methane	ND		32.0	30.6		ug/L		96	44 - 128
Bis(2-chloroethyl)ether	ND		32.0	30.7		ug/L		96	45 - 120
Bis(2-ethylhexyl) phthalate	ND		32.0	21.9		ug/L		69	16 - 150
Butyl benzyl phthalate	ND		32.0	26.9		ug/L		84	51 - 140
Carbazole	ND		32.0	35.4		ug/L		111	16 - 148
Chrysene	ND		32.0	26.8		ug/L		84	44 - 122
Di-n-butyl phthalate	ND		32.0	33.9		ug/L		106	65 - 129
Di-n-octyl phthalate	ND		32.0	21.5		ug/L		67	16 - 150
Dibenz(a,h)anthracene	ND		32.0	23.8		ug/L		74	16 - 139
Dibenzofuran	ND		32.0	32.1		ug/L		100	60 - 120
Diethyl phthalate	ND		32.0	34.2		ug/L		107	53 - 133
Dimethyl phthalate	ND		32.0	29.6		ug/L		93	59 - 123
Fluoranthene	ND		32.0	35.8		ug/L		112	63 - 129
Fluorene	ND		32.0	32.9		ug/L		103	62 - 120
Hexachlorobenzene	ND		32.0	31.2		ug/L		98	57 - 121
Hexachlorobutadiene	ND		32.0	27.9		ug/L		87	37 - 120
Hexachlorocyclopentadiene	ND		32.0	26.4		ug/L		83	21 - 120
Hexachloroethane	ND		32.0	28.9		ug/L		90	16 - 130
Indeno[1,2,3-cd]pyrene	ND		32.0	22.5		ug/L		70	16 - 140

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

Lab Sample ID: 480-190061-2 MS
Matrix: Water
Analysis Batch: 598205

Client Sample ID: MW-5
Prep Type: Total/NA
Prep Batch: 598041

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Isophorone	ND		32.0	33.4		ug/L		104	48 - 133
N-Nitrosodi-n-propylamine	ND		32.0	33.2		ug/L		104	49 - 120
N-Nitrosodiphenylamine	ND		32.0	26.1		ug/L		82	39 - 138
Naphthalene	ND		32.0	29.6		ug/L		93	45 - 120
Nitrobenzene	ND		32.0	32.9		ug/L		103	45 - 123
Pentachlorophenol	ND	*+ F1	64.0	122	F1	ug/L		191	23 - 149
Phenanthrene	0.49	J	32.0	35.4		ug/L		109	65 - 122
Phenol	ND		32.0	18.3		ug/L		57	16 - 120
Pyrene	ND		32.0	30.0		ug/L		94	58 - 128

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol	*113*		*41 - 120*
2-Fluorobiphenyl	*100*		*48 - 120*
2-Fluorophenol	*66*		*35 - 120*
Nitrobenzene-d5	*102*		*46 - 120*
p-Terphenyl-d14	*61*		*60 - 148*
Phenol-d5	*51*		*22 - 120*

Lab Sample ID: 480-190061-2 MSD
Matrix: Water
Analysis Batch: 598205

Client Sample ID: MW-5
Prep Type: Total/NA
Prep Batch: 598041

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	32.7		ug/L		102	28 - 121	14	24
1,2,4-Trichlorobenzene	ND		32.0	23.7		ug/L		74	49 - 120	11	30
2,4,5-Trichlorophenol	ND		32.0	31.3		ug/L		98	65 - 126	6	18
1,2-Dichlorobenzene	ND		32.0	24.4		ug/L		76	48 - 120	12	29
2,4,6-Trichlorophenol	ND		32.0	27.3		ug/L		85	64 - 120	10	19
2,4-Dichlorophenol	ND		32.0	27.3		ug/L		85	48 - 132	7	19
2,4-Dimethylphenol	ND		32.0	29.5		ug/L		92	39 - 130	4	42
1,3-Dichlorobenzene	ND		32.0	23.4		ug/L		73	51 - 120	10	37
2,4-Dinitrophenol	ND		64.0	59.3		ug/L		93	21 - 150	12	22
2,4-Dinitrotoluene	ND		32.0	28.2		ug/L		88	54 - 138	10	20
1,4-Dichlorobenzene	ND		32.0	24.1		ug/L		75	32 - 150	7	36
2,6-Dinitrotoluene	ND		32.0	31.0		ug/L		97	17 - 150	7	15
2-Chloronaphthalene	ND		32.0	28.1		ug/L		88	52 - 124	7	21
2-Chlorophenol	ND		32.0	25.2		ug/L		79	48 - 120	10	25
2-Methylnaphthalene	ND		32.0	28.0		ug/L		88	34 - 140	6	21
2-Methylphenol	ND	F1	32.0	36.5		ug/L		114	46 - 120	11	27
2-Nitroaniline	ND		32.0	32.2		ug/L		101	44 - 136	6	15
2-Nitrophenol	ND		32.0	25.7		ug/L		80	38 - 141	9	18
3,3'-Dichlorobenzidine	ND		64.0	41.2		ug/L		64	10 - 150	0	25
3-Nitroaniline	ND		32.0	24.6		ug/L		77	32 - 150	9	19
4,6-Dinitro-2-methylphenol	ND		64.0	66.9		ug/L		105	38 - 150	4	15
4-Bromophenyl phenyl ether	ND		32.0	32.5		ug/L		102	63 - 126	3	15
4-Chloro-3-methylphenol	ND		32.0	29.3		ug/L		92	64 - 127	4	27
4-Chloroaniline	ND		32.0	21.9		ug/L		69	16 - 124	2	22
4-Chlorophenyl phenyl ether	ND		32.0	31.1		ug/L		97	61 - 120	4	16

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

Lab Sample ID: 480-190061-2 MSD
Matrix: Water
Analysis Batch: 598205

Client Sample ID: MW-5
Prep Type: Total/NA
Prep Batch: 598041

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4-Methylphenol	ND		32.0	24.0		ug/L		75	36 - 120	5	24
4-Nitroaniline	ND		32.0	27.7		ug/L		87	32 - 150	13	24
4-Nitrophenol	ND		64.0	48.9		ug/L		76	23 - 132	9	48
Acenaphthene	ND		32.0	30.2		ug/L		94	48 - 120	5	24
Acenaphthylene	ND		32.0	32.4		ug/L		101	63 - 120	6	18
Anthracene	ND		32.0	31.6		ug/L		99	65 - 122	0	15
Benzo[a]anthracene	ND		32.0	27.2		ug/L		85	43 - 124	4	15
Benzo[a]pyrene	ND		32.0	23.5		ug/L		73	23 - 125	3	15
Benzo[b]fluoranthene	ND		32.0	24.6		ug/L		77	27 - 127	0	15
Benzo[g,h,i]perylene	ND		32.0	22.9		ug/L		71	16 - 147	0	15
Benzo[k]fluoranthene	ND		32.0	24.2		ug/L		76	20 - 124	1	22
Bis(2-chloroethoxy)methane	ND		32.0	28.3		ug/L		89	44 - 128	8	17
Bis(2-chloroethyl)ether	ND		32.0	29.1		ug/L		91	45 - 120	5	21
Bis(2-ethylhexyl) phthalate	ND		32.0	21.1		ug/L		66	16 - 150	4	15
Butyl benzyl phthalate	ND		32.0	25.8		ug/L		81	51 - 140	4	16
Carbazole	ND		32.0	34.7		ug/L		109	16 - 148	2	20
Chrysene	ND		32.0	25.9		ug/L		81	44 - 122	3	15
Di-n-butyl phthalate	ND		32.0	31.2		ug/L		98	65 - 129	8	15
Di-n-octyl phthalate	ND		32.0	21.0		ug/L		65	16 - 150	2	16
Dibenz(a,h)anthracene	ND		32.0	23.3		ug/L		73	16 - 139	2	15
Dibenzofuran	ND		32.0	30.1		ug/L		94	60 - 120	7	15
Diethyl phthalate	ND		32.0	32.9		ug/L		103	53 - 133	4	15
Dimethyl phthalate	ND		32.0	31.8		ug/L		100	59 - 123	7	15
Fluoranthene	ND		32.0	33.4		ug/L		105	63 - 129	7	15
Fluorene	ND		32.0	30.4		ug/L		95	62 - 120	8	15
Hexachlorobenzene	ND		32.0	31.2		ug/L		98	57 - 121	0	15
Hexachlorobutadiene	ND		32.0	25.1		ug/L		79	37 - 120	10	44
Hexachlorocyclopentadiene	ND		32.0	23.7		ug/L		74	21 - 120	11	49
Hexachloroethane	ND		32.0	25.0		ug/L		78	16 - 130	14	46
Indeno[1,2,3-cd]pyrene	ND		32.0	22.1		ug/L		69	16 - 140	2	15
Isophorone	ND		32.0	31.6		ug/L		99	48 - 133	5	17
N-Nitrosodi-n-propylamine	ND		32.0	30.9		ug/L		97	49 - 120	7	31
N-Nitrosodiphenylamine	ND		32.0	29.6		ug/L		93	39 - 138	12	15
Naphthalene	ND		32.0	27.4		ug/L		86	45 - 120	8	29
Nitrobenzene	ND		32.0	30.1		ug/L		94	45 - 123	9	24
Pentachlorophenol	ND	*+ F1	64.0	114	F1	ug/L		178	23 - 149	7	37
Phenanthrene	0.49	J	32.0	34.2		ug/L		105	65 - 122	4	15
Phenol	ND		32.0	17.0		ug/L		53	16 - 120	7	34
Pyrene	ND		32.0	28.9		ug/L		90	58 - 128	4	19

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol	*105*		*41 - 120*
2-Fluorobiphenyl	*94*		*48 - 120*
2-Fluorophenol	*62*		*35 - 120*
Nitrobenzene-d5	*91*		*46 - 120*
p-Terphenyl-d14	*60*		*60 - 148*
Phenol-d5	*48*		*22 - 120*

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 480-598484/1-A
Matrix: Water
Analysis Batch: 598676

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 598484

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.050	0.0092	ug/L		09/30/21 09:04	10/01/21 12:06	1
4,4'-DDE	ND		0.050	0.012	ug/L		09/30/21 09:04	10/01/21 12:06	1
4,4'-DDT	ND		0.050	0.011	ug/L		09/30/21 09:04	10/01/21 12:06	1
Aldrin	ND		0.050	0.0081	ug/L		09/30/21 09:04	10/01/21 12:06	1
alpha-BHC	ND		0.050	0.0077	ug/L		09/30/21 09:04	10/01/21 12:06	1
cis-Chlordane	ND		0.050	0.015	ug/L		09/30/21 09:04	10/01/21 12:06	1
beta-BHC	ND		0.050	0.025	ug/L		09/30/21 09:04	10/01/21 12:06	1
delta-BHC	ND		0.050	0.010	ug/L		09/30/21 09:04	10/01/21 12:06	1
Dieldrin	ND		0.050	0.0098	ug/L		09/30/21 09:04	10/01/21 12:06	1
Endosulfan I	ND		0.050	0.011	ug/L		09/30/21 09:04	10/01/21 12:06	1
Endosulfan II	ND		0.050	0.012	ug/L		09/30/21 09:04	10/01/21 12:06	1
Endosulfan sulfate	ND		0.050	0.016	ug/L		09/30/21 09:04	10/01/21 12:06	1
Endrin	ND		0.050	0.014	ug/L		09/30/21 09:04	10/01/21 12:06	1
Endrin aldehyde	ND		0.050	0.016	ug/L		09/30/21 09:04	10/01/21 12:06	1
Endrin ketone	ND		0.050	0.012	ug/L		09/30/21 09:04	10/01/21 12:06	1
gamma-BHC (Lindane)	ND		0.050	0.0080	ug/L		09/30/21 09:04	10/01/21 12:06	1
trans-Chlordane	ND		0.050	0.011	ug/L		09/30/21 09:04	10/01/21 12:06	1
Heptachlor	ND		0.050	0.0085	ug/L		09/30/21 09:04	10/01/21 12:06	1
Heptachlor epoxide	ND		0.050	0.0074	ug/L		09/30/21 09:04	10/01/21 12:06	1
Methoxychlor	ND		0.050	0.014	ug/L		09/30/21 09:04	10/01/21 12:06	1
Toxaphene	ND		0.50	0.12	ug/L		09/30/21 09:04	10/01/21 12:06	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*46*		*20 - 120*	*09/30/21 09:04*	*10/01/21 12:06*	*1*
Tetrachloro-m-xylene	*75*		*44 - 120*	*09/30/21 09:04*	*10/01/21 12:06*	*1*

Lab Sample ID: LCS 480-598484/2-A
Matrix: Water
Analysis Batch: 598676

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 598484

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	0.400	0.366		ug/L		91	64 - 129
4,4'-DDE	0.400	0.271		ug/L		68	50 - 120
4,4'-DDT	0.400	0.394		ug/L		99	59 - 120
Aldrin	0.400	0.270		ug/L		67	40 - 125
alpha-BHC	0.400	0.270		ug/L		67	52 - 125
cis-Chlordane	0.400	0.291		ug/L		73	52 - 120
beta-BHC	0.400	0.316		ug/L		79	51 - 120
delta-BHC	0.400	0.318		ug/L		79	51 - 120
Dieldrin	0.400	0.332		ug/L		83	66 - 128
Endosulfan I	0.400	0.330		ug/L		83	57 - 120
Endosulfan II	0.400	0.359		ug/L		90	66 - 131
Endosulfan sulfate	0.400	0.340		ug/L		85	66 - 136
Endrin	0.400	0.359		ug/L		90	65 - 135
Endrin aldehyde	0.400	0.316		ug/L		79	61 - 134
Endrin ketone	0.400	0.368		ug/L		92	71 - 133
gamma-BHC (Lindane)	0.400	0.288		ug/L		72	56 - 120
trans-Chlordane	0.400	0.317		ug/L		79	54 - 120

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

Lab Sample ID: LCS 480-598484/2-A
Matrix: Water
Analysis Batch: 598676

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 598484

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Heptachlor			0.400	0.302		ug/L		75	58 - 120		
Heptachlor epoxide			0.400	0.336		ug/L		84	65 - 125		
Methoxychlor			0.400	0.467		ug/L		117	50 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*23*		*20 - 120*
Tetrachloro-m-xylene	*64*		*44 - 120*

Lab Sample ID: LCSD 480-598484/3-A
Matrix: Water
Analysis Batch: 598676

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 598484

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD			0.400	0.371		ug/L		93	64 - 129	1	23
4,4'-DDE			0.400	0.273		ug/L		68	50 - 120	1	22
4,4'-DDT			0.400	0.394		ug/L		99	59 - 120	0	24
Aldrin			0.400	0.261		ug/L		65	40 - 125	3	25
alpha-BHC			0.400	0.278		ug/L		70	52 - 125	3	24
cis-Chlordane			0.400	0.288		ug/L		72	52 - 120	1	23
beta-BHC			0.400	0.321		ug/L		80	51 - 120	1	24
delta-BHC			0.400	0.319		ug/L		80	51 - 120	0	24
Dieldrin			0.400	0.341		ug/L		85	66 - 128	3	24
Endosulfan I			0.400	0.330		ug/L		82	57 - 120	0	30
Endosulfan II			0.400	0.364		ug/L		91	66 - 131	2	40
Endosulfan sulfate			0.400	0.344		ug/L		86	66 - 136	1	24
Endrin			0.400	0.364		ug/L		91	65 - 135	1	24
Endrin aldehyde			0.400	0.335		ug/L		84	61 - 134	6	28
Endrin ketone			0.400	0.372		ug/L		93	71 - 133	1	26
gamma-BHC (Lindane)			0.400	0.287		ug/L		72	56 - 120	0	24
trans-Chlordane			0.400	0.318		ug/L		80	54 - 120	0	24
Heptachlor			0.400	0.300		ug/L		75	58 - 120	0	25
Heptachlor epoxide			0.400	0.336		ug/L		84	65 - 125	0	23
Methoxychlor			0.400	0.457		ug/L		114	50 - 150	2	26

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*32*		*20 - 120*
Tetrachloro-m-xylene	*66*		*44 - 120*

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

Lab Sample ID: MB 480-598104/1-A
Matrix: Water
Analysis Batch: 598199

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 598104

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		09/28/21 07:00	09/28/21 19:12	1
PCB-1221	ND		0.50	0.18	ug/L		09/28/21 07:00	09/28/21 19:12	1
PCB-1232	ND		0.50	0.18	ug/L		09/28/21 07:00	09/28/21 19:12	1

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

Lab Sample ID: MB 480-598104/1-A
Matrix: Water
Analysis Batch: 598199

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 598104

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1242	ND		0.50	0.18	ug/L		09/28/21 07:00	09/28/21 19:12	1
PCB-1248	ND		0.50	0.18	ug/L		09/28/21 07:00	09/28/21 19:12	1
PCB-1254	ND		0.50	0.25	ug/L		09/28/21 07:00	09/28/21 19:12	1
PCB-1260	ND		0.50	0.25	ug/L		09/28/21 07:00	09/28/21 19:12	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*60*		*19 - 120*	*09/28/21 07:00*	*09/28/21 19:12*	*1*
Tetrachloro-m-xylene	*74*		*39 - 121*	*09/28/21 07:00*	*09/28/21 19:12*	*1*

Lab Sample ID: LCS 480-598104/2-A
Matrix: Water
Analysis Batch: 598199

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 598104

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016			4.00	4.20		ug/L		105	62 - 130		
PCB-1260			4.00	4.15		ug/L		104	56 - 123		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*58*		*19 - 120*
Tetrachloro-m-xylene	*81*		*39 - 121*

Lab Sample ID: LCSD 480-598104/3-A
Matrix: Water
Analysis Batch: 598199

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 598104

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016			4.00	3.95		ug/L		99	62 - 130	6	50
PCB-1260			4.00	4.23		ug/L		106	56 - 123	2	50

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*59*		*19 - 120*
Tetrachloro-m-xylene	*80*		*39 - 121*

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-597955/1-A
Matrix: Water
Analysis Batch: 598157

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 597955

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		09/27/21 09:54	09/27/21 20:55	1
Antimony	ND		0.020	0.0068	mg/L		09/27/21 09:54	09/27/21 20:55	1
Barium	ND		0.0020	0.00070	mg/L		09/27/21 09:54	09/27/21 20:55	1
Beryllium	ND		0.0020	0.00030	mg/L		09/27/21 09:54	09/27/21 20:55	1
Cadmium	ND		0.0010	0.00050	mg/L		09/27/21 09:54	09/27/21 20:55	1
Calcium	ND		0.50	0.10	mg/L		09/27/21 09:54	09/27/21 20:55	1
Chromium	ND		0.0040	0.0010	mg/L		09/27/21 09:54	09/27/21 20:55	1
Cobalt	ND		0.0040	0.00063	mg/L		09/27/21 09:54	09/27/21 20:55	1

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

Lab Sample ID: MB 480-597955/1-A
Matrix: Water
Analysis Batch: 598157

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 597955

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	ND		0.010	0.0016	mg/L		09/27/21 09:54	09/27/21 20:55	1
Iron	ND		0.050	0.019	mg/L		09/27/21 09:54	09/27/21 20:55	1
Lead	ND		0.0050	0.0030	mg/L		09/27/21 09:54	09/27/21 20:55	1
Magnesium	0.0593	J	0.20	0.043	mg/L		09/27/21 09:54	09/27/21 20:55	1
Manganese	0.000750	J	0.0030	0.00040	mg/L		09/27/21 09:54	09/27/21 20:55	1
Nickel	ND		0.010	0.0013	mg/L		09/27/21 09:54	09/27/21 20:55	1
Potassium	0.122	J	0.50	0.10	mg/L		09/27/21 09:54	09/27/21 20:55	1
Selenium	ND		0.015	0.0087	mg/L		09/27/21 09:54	09/27/21 20:55	1
Silver	ND		0.0030	0.0017	mg/L		09/27/21 09:54	09/27/21 20:55	1
Sodium	ND		1.0	0.32	mg/L		09/27/21 09:54	09/27/21 20:55	1
Thallium	ND		0.020	0.010	mg/L		09/27/21 09:54	09/27/21 20:55	1
Vanadium	ND		0.0050	0.0015	mg/L		09/27/21 09:54	09/27/21 20:55	1
Zinc	ND		0.010	0.0015	mg/L		09/27/21 09:54	09/27/21 20:55	1

Lab Sample ID: MB 480-597955/1-A
Matrix: Water
Analysis Batch: 598220

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 597955

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.010	0.0056	mg/L		09/27/21 09:54	09/28/21 12:47	1

Lab Sample ID: LCS 480-597955/2-A
Matrix: Water
Analysis Batch: 598157

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 597955

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	10.0	10.25		mg/L		102	80 - 120
Antimony	0.200	0.222		mg/L		111	80 - 120
Barium	0.200	0.220		mg/L		110	80 - 120
Beryllium	0.200	0.209		mg/L		104	80 - 120
Cadmium	0.200	0.207		mg/L		104	80 - 120
Calcium	10.0	10.28		mg/L		103	80 - 120
Chromium	0.200	0.199		mg/L		100	80 - 120
Cobalt	0.200	0.199		mg/L		100	80 - 120
Copper	0.200	0.207		mg/L		104	80 - 120
Iron	10.0	10.36		mg/L		104	80 - 120
Lead	0.200	0.202		mg/L		101	80 - 120
Magnesium	10.0	10.44		mg/L		104	80 - 120
Manganese	0.200	0.209		mg/L		104	80 - 120
Nickel	0.200	0.196		mg/L		98	80 - 120
Potassium	10.0	10.38		mg/L		104	80 - 120
Selenium	0.200	0.200		mg/L		100	80 - 120
Silver	0.0500	0.0505		mg/L		101	80 - 120
Sodium	10.0	10.31		mg/L		103	80 - 120
Thallium	0.200	0.206		mg/L		103	80 - 120
Vanadium	0.200	0.203		mg/L		101	80 - 120
Zinc	0.200	0.205		mg/L		103	80 - 120

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

Lab Sample ID: LCS 480-597955/2-A
Matrix: Water
Analysis Batch: 598220

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 597955

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	0.200	0.206		mg/L		103	80 - 120

Lab Sample ID: 480-190061-7 MS
Matrix: Water
Analysis Batch: 598157

Client Sample ID: S-2
Prep Type: Total/NA
Prep Batch: 597955

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	ND		10.0	10.22		mg/L		102	75 - 125
Antimony	ND		0.200	0.222		mg/L		111	75 - 125
Arsenic	ND		0.200	0.213		mg/L		106	75 - 125
Barium	0.021		0.200	0.236		mg/L		107	75 - 125
Beryllium	ND		0.200	0.211		mg/L		105	75 - 125
Cadmium	ND		0.200	0.209		mg/L		104	75 - 125
Calcium	12.4		10.0	22.59		mg/L		102	75 - 125
Chromium	ND		0.200	0.197		mg/L		99	75 - 125
Cobalt	ND		0.200	0.205		mg/L		102	75 - 125
Copper	ND		0.200	0.209		mg/L		105	75 - 125
Iron	0.077		10.0	10.40		mg/L		103	75 - 125
Lead	ND		0.200	0.207		mg/L		103	75 - 125
Magnesium	0.48		10.0	10.68		mg/L		102	75 - 125
Manganese	0.0041	B	0.200	0.210		mg/L		103	75 - 125
Nickel	0.0015	J	0.200	0.203		mg/L		101	75 - 125
Potassium	29.1		10.0	39.39		mg/L		103	75 - 125
Selenium	ND		0.200	0.205		mg/L		103	75 - 125
Silver	ND		0.0500	0.0371	F1	mg/L		74	75 - 125
Sodium	62.6		10.0	72.36	4	mg/L		97	75 - 125
Thallium	ND		0.200	0.207		mg/L		103	75 - 125
Vanadium	0.0040	J	0.200	0.208		mg/L		102	75 - 125
Zinc	0.012	B	0.200	0.222		mg/L		105	75 - 125

Lab Sample ID: 480-190061-7 MSD
Matrix: Water
Analysis Batch: 598157

Client Sample ID: S-2
Prep Type: Total/NA
Prep Batch: 597955

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aluminum	ND		10.0	10.14		mg/L		101	75 - 125	1	20
Antimony	ND		0.200	0.226		mg/L		113	75 - 125	2	20
Arsenic	ND		0.200	0.213		mg/L		107	75 - 125	0	20
Barium	0.021		0.200	0.234		mg/L		106	75 - 125	1	20
Beryllium	ND		0.200	0.210		mg/L		105	75 - 125	1	20
Cadmium	ND		0.200	0.209		mg/L		104	75 - 125	0	20
Calcium	12.4		10.0	22.67		mg/L		103	75 - 125	0	20
Chromium	ND		0.200	0.196		mg/L		98	75 - 125	0	20
Cobalt	ND		0.200	0.205		mg/L		103	75 - 125	0	20
Copper	ND		0.200	0.209		mg/L		105	75 - 125	0	20
Iron	0.077		10.0	10.40		mg/L		103	75 - 125	0	20
Lead	ND		0.200	0.205		mg/L		102	75 - 125	1	20
Magnesium	0.48		10.0	10.71		mg/L		102	75 - 125	0	20
Manganese	0.0041	B	0.200	0.210		mg/L		103	75 - 125	0	20

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

Lab Sample ID: 480-190061-7 MSD
Matrix: Water
Analysis Batch: 598157

Client Sample ID: S-2
Prep Type: Total/NA
Prep Batch: 597955

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nickel	0.0015	J	0.200	0.203		mg/L		101	75 - 125	0	20
Potassium	29.1		10.0	39.37		mg/L		103	75 - 125	0	20
Selenium	ND		0.200	0.204		mg/L		102	75 - 125	1	20
Silver	ND		0.0500	0.0503	F2	mg/L		101	75 - 125	30	20
Sodium	62.6		10.0	72.47	4	mg/L		98	75 - 125	0	20
Thallium	ND		0.200	0.204		mg/L		102	75 - 125	1	20
Vanadium	0.0040	J	0.200	0.206		mg/L		101	75 - 125	1	20
Zinc	0.012	B	0.200	0.224		mg/L		106	75 - 125	1	20

Method: 7470A_ASP - Mercury (CVAA)

Lab Sample ID: MB 480-598021/1-A
Matrix: Water
Analysis Batch: 598092

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 598021

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000043	mg/L		09/27/21 13:25	09/27/21 16:55	1

Lab Sample ID: LCS 480-598021/2-A
Matrix: Water
Analysis Batch: 598092

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 598021

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00667	0.00702		mg/L		105	80 - 120

Lab Sample ID: LCSD 480-598021/24-A
Matrix: Water
Analysis Batch: 598092

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 598021

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.00667	0.00675		mg/L		101	80 - 120	4	20

Method: 9012B - Cyanide, Total andor Amenable

Lab Sample ID: MB 480-598198/1-A
Matrix: Water
Analysis Batch: 598267

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 598198

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		09/28/21 13:14	09/28/21 19:48	1

Lab Sample ID: LCS 480-598198/2-A
Matrix: Water
Analysis Batch: 598267

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 598198

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.250	0.228		mg/L		91	90 - 110

Client: Groundwater & Environmental Services Inc
Job ID: 480-190061-1
Project/Site: Cherry Farms Annual GW Sample

Method: 9012B - Cyanide, Total andor Amenable (Continued)

Lab Sample ID: 480-190061-7 MS
Matrix: Water
Analysis Batch: 598267

Client Sample ID: S-2
Prep Type: Total/NA
Prep Batch: 598198

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Cyanide, Total	0.018		0.100	0.119		mg/L		101	90 - 110		

Lab Sample ID: 480-190061-6 DU
Matrix: Water
Analysis Batch: 598267

Client Sample ID: S-1
Prep Type: Total/NA
Prep Batch: 598198

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Cyanide, Total	ND			ND		mg/L				NC	15

GC/MS VOA

Analysis Batch: 598610

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-190061-1	MW-4	Total/NA	Water	8260C	
480-190061-2	MW-5	Total/NA	Water	8260C	
480-190061-3	MW-6	Total/NA	Water	8260C	
480-190061-4	RW-4	Total/NA	Water	8260C	
480-190061-5	RW-5	Total/NA	Water	8260C	
480-190061-6	S-1	Total/NA	Water	8260C	
480-190061-7	S-2	Total/NA	Water	8260C	
480-190061-8	S-3	Total/NA	Water	8260C	
480-190061-9	S-4	Total/NA	Water	8260C	
480-190061-10	DUP	Total/NA	Water	8260C	
MB 480-598610/8	Method Blank	Total/NA	Water	8260C	
LCS 480-598610/6	Lab Control Sample	Total/NA	Water	8260C	
480-190061-2 MS	MW-5	Total/NA	Water	8260C	
480-190061-2 MSD	MW-5	Total/NA	Water	8260C	

GC/MS Semi VOA

Prep Batch: 598041

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-190061-1	MW-4	Total/NA	Water	3510C	
480-190061-2	MW-5	Total/NA	Water	3510C	
480-190061-3	MW-6	Total/NA	Water	3510C	
480-190061-4	RW-4	Total/NA	Water	3510C	
480-190061-5	RW-5	Total/NA	Water	3510C	
480-190061-6	S-1	Total/NA	Water	3510C	
480-190061-7	S-2	Total/NA	Water	3510C	
480-190061-8	S-3	Total/NA	Water	3510C	
480-190061-9	S-4	Total/NA	Water	3510C	
480-190061-10	DUP	Total/NA	Water	3510C	
MB 480-598041/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-598041/2-A	Lab Control Sample	Total/NA	Water	3510C	
480-190061-2 MS	MW-5	Total/NA	Water	3510C	
480-190061-2 MSD	MW-5	Total/NA	Water	3510C	

Analysis Batch: 598205

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-190061-1	MW-4	Total/NA	Water	8270D	598041
480-190061-2	MW-5	Total/NA	Water	8270D	598041
480-190061-3	MW-6	Total/NA	Water	8270D	598041
480-190061-4	RW-4	Total/NA	Water	8270D	598041
480-190061-5	RW-5	Total/NA	Water	8270D	598041
480-190061-6	S-1	Total/NA	Water	8270D	598041
480-190061-7	S-2	Total/NA	Water	8270D	598041
480-190061-8	S-3	Total/NA	Water	8270D	598041
480-190061-9	S-4	Total/NA	Water	8270D	598041
480-190061-10	DUP	Total/NA	Water	8270D	598041
MB 480-598041/1-A	Method Blank	Total/NA	Water	8270D	598041
LCS 480-598041/2-A	Lab Control Sample	Total/NA	Water	8270D	598041
480-190061-2 MS	MW-5	Total/NA	Water	8270D	598041
480-190061-2 MSD	MW-5	Total/NA	Water	8270D	598041

GC Semi VOA

Prep Batch: 598104

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-190061-6	S-1	Total/NA	Water	3510C	
480-190061-7	S-2	Total/NA	Water	3510C	
480-190061-8	S-3	Total/NA	Water	3510C	
480-190061-9	S-4	Total/NA	Water	3510C	
MB 480-598104/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-598104/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 480-598104/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 598199

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-190061-6	S-1	Total/NA	Water	8082A	598104
480-190061-7	S-2	Total/NA	Water	8082A	598104
480-190061-8	S-3	Total/NA	Water	8082A	598104
480-190061-9	S-4	Total/NA	Water	8082A	598104
MB 480-598104/1-A	Method Blank	Total/NA	Water	8082A	598104
LCS 480-598104/2-A	Lab Control Sample	Total/NA	Water	8082A	598104
LCSD 480-598104/3-A	Lab Control Sample Dup	Total/NA	Water	8082A	598104

Prep Batch: 598484

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-190061-6	S-1	Total/NA	Water	3510C	
480-190061-7	S-2	Total/NA	Water	3510C	
480-190061-8	S-3	Total/NA	Water	3510C	
480-190061-9	S-4	Total/NA	Water	3510C	
MB 480-598484/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-598484/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 480-598484/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 598676

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-190061-6	S-1	Total/NA	Water	8081B	598484
480-190061-7	S-2	Total/NA	Water	8081B	598484
480-190061-8	S-3	Total/NA	Water	8081B	598484
480-190061-9	S-4	Total/NA	Water	8081B	598484
MB 480-598484/1-A	Method Blank	Total/NA	Water	8081B	598484
LCS 480-598484/2-A	Lab Control Sample	Total/NA	Water	8081B	598484
LCSD 480-598484/3-A	Lab Control Sample Dup	Total/NA	Water	8081B	598484

Metals

Prep Batch: 597955

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-190061-6	S-1	Total/NA	Water	3005A	
480-190061-7	S-2	Total/NA	Water	3005A	
480-190061-8	S-3	Total/NA	Water	3005A	
480-190061-9	S-4	Total/NA	Water	3005A	
MB 480-597955/1-A	Method Blank	Total/NA	Water	3005A	
LCS 480-597955/2-A	Lab Control Sample	Total/NA	Water	3005A	
480-190061-7 MS	S-2	Total/NA	Water	3005A	
480-190061-7 MSD	S-2	Total/NA	Water	3005A	

Metals

Prep Batch: 598021

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-190061-6	S-1	Total/NA	Water	7470A	
480-190061-7	S-2	Total/NA	Water	7470A	
480-190061-8	S-3	Total/NA	Water	7470A	
480-190061-9	S-4	Total/NA	Water	7470A	
MB 480-598021/1-A	Method Blank	Total/NA	Water	7470A	
LCS 480-598021/2-A	Lab Control Sample	Total/NA	Water	7470A	
LCSD 480-598021/24-A	Lab Control Sample Dup	Total/NA	Water	7470A	

Analysis Batch: 598092

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-190061-6	S-1	Total/NA	Water	7470A_ASP	598021
480-190061-7	S-2	Total/NA	Water	7470A_ASP	598021
480-190061-8	S-3	Total/NA	Water	7470A_ASP	598021
480-190061-9	S-4	Total/NA	Water	7470A_ASP	598021
MB 480-598021/1-A	Method Blank	Total/NA	Water	7470A_ASP	598021
LCS 480-598021/2-A	Lab Control Sample	Total/NA	Water	7470A_ASP	598021
LCSD 480-598021/24-A	Lab Control Sample Dup	Total/NA	Water	7470A_ASP	598021

Analysis Batch: 598157

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-190061-6	S-1	Total/NA	Water	6010C	597955
480-190061-7	S-2	Total/NA	Water	6010C	597955
480-190061-8	S-3	Total/NA	Water	6010C	597955
480-190061-9	S-4	Total/NA	Water	6010C	597955
MB 480-597955/1-A	Method Blank	Total/NA	Water	6010C	597955
LCS 480-597955/2-A	Lab Control Sample	Total/NA	Water	6010C	597955
480-190061-7 MS	S-2	Total/NA	Water	6010C	597955
480-190061-7 MSD	S-2	Total/NA	Water	6010C	597955

Analysis Batch: 598220

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-597955/1-A	Method Blank	Total/NA	Water	6010C	597955
LCS 480-597955/2-A	Lab Control Sample	Total/NA	Water	6010C	597955

General Chemistry

Prep Batch: 598198

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-190061-6	S-1	Total/NA	Water	9012B	
480-190061-7	S-2	Total/NA	Water	9012B	
480-190061-8	S-3	Total/NA	Water	9012B	
480-190061-9	S-4	Total/NA	Water	9012B	
MB 480-598198/1-A	Method Blank	Total/NA	Water	9012B	
LCS 480-598198/2-A	Lab Control Sample	Total/NA	Water	9012B	
480-190061-7 MS	S-2	Total/NA	Water	9012B	
480-190061-6 DU	S-1	Total/NA	Water	9012B	

Analysis Batch: 598267

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-190061-6	S-1	Total/NA	Water	9012B	598198
480-190061-7	S-2	Total/NA	Water	9012B	598198

General Chemistry (Continued)

Analysis Batch: 598267 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-190061-8	S-3	Total/NA	Water	9012B	598198
480-190061-9	S-4	Total/NA	Water	9012B	598198
MB 480-598198/1-A	Method Blank	Total/NA	Water	9012B	598198
LCS 480-598198/2-A	Lab Control Sample	Total/NA	Water	9012B	598198
480-190061-7 MS	S-2	Total/NA	Water	9012B	598198
480-190061-6 DU	S-1	Total/NA	Water	9012B	598198

Client Sample ID: MW-4
Lab Sample ID: 480-190061-1
Date Collected: 09/23/21 15:45
Matrix: Water
Date Received: 09/24/21 14:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	598610	10/01/21 02:13	CRL	TAL BUF
Total/NA	Prep	3510C			598041	09/27/21 14:38	CMC	TAL BUF
Total/NA	Analysis	8270D		1	598205	09/28/21 17:31	PJQ	TAL BUF

Client Sample ID: MW-5
Lab Sample ID: 480-190061-2
Date Collected: 09/23/21 15:30
Matrix: Water
Date Received: 09/24/21 14:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	598610	10/01/21 02:36	CRL	TAL BUF
Total/NA	Prep	3510C			598041	09/27/21 14:38	CMC	TAL BUF
Total/NA	Analysis	8270D		1	598205	09/28/21 17:04	PJQ	TAL BUF

Client Sample ID: MW-6
Lab Sample ID: 480-190061-3
Date Collected: 09/23/21 15:15
Matrix: Water
Date Received: 09/24/21 14:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	598610	10/01/21 03:00	CRL	TAL BUF
Total/NA	Prep	3510C			598041	09/27/21 14:38	CMC	TAL BUF
Total/NA	Analysis	8270D		1	598205	09/28/21 17:57	PJQ	TAL BUF

Client Sample ID: RW-4
Lab Sample ID: 480-190061-4
Date Collected: 09/24/21 13:40
Matrix: Water
Date Received: 09/24/21 14:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	598610	10/01/21 03:23	CRL	TAL BUF
Total/NA	Prep	3510C			598041	09/27/21 14:38	CMC	TAL BUF
Total/NA	Analysis	8270D		1	598205	09/28/21 18:23	PJQ	TAL BUF

Client Sample ID: RW-5
Lab Sample ID: 480-190061-5
Date Collected: 09/24/21 11:10
Matrix: Water
Date Received: 09/24/21 14:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	598610	10/01/21 03:46	CRL	TAL BUF
Total/NA	Prep	3510C			598041	09/27/21 14:38	CMC	TAL BUF
Total/NA	Analysis	8270D		1	598205	09/28/21 18:50	PJQ	TAL BUF

Client Sample ID: S-1
Lab Sample ID: 480-190061-6
Date Collected: 09/23/21 12:30
Matrix: Water
Date Received: 09/24/21 14:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	598610	10/01/21 04:09	CRL	TAL BUF

Client Sample ID: S-1
Lab Sample ID: 480-190061-6
Date Collected: 09/23/21 12:30
Matrix: Water
Date Received: 09/24/21 14:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			598041	09/27/21 14:38	CMC	TAL BUF
Total/NA	Analysis	8270D		1	598205	09/28/21 19:16	PJQ	TAL BUF
Total/NA	Prep	3510C			598484	09/30/21 09:04	JMP	TAL BUF
Total/NA	Analysis	8081B		1	598676	10/01/21 13:44	JLS	TAL BUF
Total/NA	Prep	3510C			598104	09/28/21 07:00	SMP	TAL BUF
Total/NA	Analysis	8082A		1	598199	09/28/21 22:23	W1T	TAL BUF
Total/NA	Prep	3005A			597955	09/27/21 09:54	KMP	TAL BUF
Total/NA	Analysis	6010C		1	598157	09/27/21 22:09	LMH	TAL BUF
Total/NA	Prep	7470A			598021	09/27/21 13:25	BMB	TAL BUF
Total/NA	Analysis	7470A_ASP		1	598092	09/27/21 17:24	BMB	TAL BUF
Total/NA	Prep	9012B			598198	09/28/21 13:14	JPS	TAL BUF
Total/NA	Analysis	9012B		1	598267	09/28/21 19:52	SRA	TAL BUF

Client Sample ID: S-2
Lab Sample ID: 480-190061-7
Date Collected: 09/23/21 12:45
Matrix: Water
Date Received: 09/24/21 14:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	598610	10/01/21 04:32	CRL	TAL BUF
Total/NA	Prep	3510C			598041	09/27/21 14:38	CMC	TAL BUF
Total/NA	Analysis	8270D		1	598205	09/28/21 19:42	PJQ	TAL BUF
Total/NA	Prep	3510C			598484	09/30/21 09:04	JMP	TAL BUF
Total/NA	Analysis	8081B		1	598676	10/01/21 14:04	JLS	TAL BUF
Total/NA	Prep	3510C			598104	09/28/21 07:00	SMP	TAL BUF
Total/NA	Analysis	8082A		1	598199	09/28/21 22:36	W1T	TAL BUF
Total/NA	Prep	3005A			597955	09/27/21 09:54	KMP	TAL BUF
Total/NA	Analysis	6010C		1	598157	09/27/21 22:13	LMH	TAL BUF
Total/NA	Prep	7470A			598021	09/27/21 13:25	BMB	TAL BUF
Total/NA	Analysis	7470A_ASP		1	598092	09/27/21 17:25	BMB	TAL BUF
Total/NA	Prep	9012B			598198	09/28/21 13:14	JPS	TAL BUF
Total/NA	Analysis	9012B		1	598267	09/28/21 19:55	SRA	TAL BUF

Client Sample ID: S-3
Lab Sample ID: 480-190061-8
Date Collected: 09/23/21 13:00
Matrix: Water
Date Received: 09/24/21 14:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	598610	10/01/21 04:55	CRL	TAL BUF
Total/NA	Prep	3510C			598041	09/27/21 14:38	CMC	TAL BUF
Total/NA	Analysis	8270D		5	598205	09/28/21 20:08	PJQ	TAL BUF
Total/NA	Prep	3510C			598484	09/30/21 09:04	JMP	TAL BUF
Total/NA	Analysis	8081B		1	598676	10/01/21 14:23	JLS	TAL BUF
Total/NA	Prep	3510C			598104	09/28/21 07:00	SMP	TAL BUF
Total/NA	Analysis	8082A		1	598199	09/28/21 22:49	W1T	TAL BUF

Lab Chronicle

Client: Groundwater & Environmental Services Inc
Job ID: 480-190061-1
Project/Site: Cherry Farms Annual GW Sample

Client Sample ID: S-3
Lab Sample ID: 480-190061-8
Date Collected: 09/23/21 13:00
Matrix: Water
Date Received: 09/24/21 14:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3005A			597955	09/27/21 09:54	KMP	TAL BUF
Total/NA	Analysis	6010C		1	598157	09/27/21 22:42	LMH	TAL BUF
Total/NA	Prep	7470A			598021	09/27/21 13:25	BMB	TAL BUF
Total/NA	Analysis	7470A_ASP		1	598092	09/27/21 17:26	BMB	TAL BUF
Total/NA	Prep	9012B			598198	09/28/21 13:14	JPS	TAL BUF
Total/NA	Analysis	9012B		1	598267	09/28/21 19:58	SRA	TAL BUF

Client Sample ID: S-4
Lab Sample ID: 480-190061-9
Date Collected: 09/23/21 13:45
Matrix: Water
Date Received: 09/24/21 14:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	598610	10/01/21 05:19	CRL	TAL BUF
Total/NA	Prep	3510C			598041	09/27/21 14:38	CMC	TAL BUF
Total/NA	Analysis	8270D		5	598205	09/28/21 20:34	PJQ	TAL BUF
Total/NA	Prep	3510C			598484	09/30/21 09:04	JMP	TAL BUF
Total/NA	Analysis	8081B		1	598676	10/01/21 14:43	JLS	TAL BUF
Total/NA	Prep	3510C			598104	09/28/21 07:02	SMP	TAL BUF
Total/NA	Analysis	8082A		1	598199	09/28/21 23:02	W1T	TAL BUF
Total/NA	Prep	3005A			597955	09/27/21 09:54	KMP	TAL BUF
Total/NA	Analysis	6010C		1	598157	09/27/21 22:46	LMH	TAL BUF
Total/NA	Prep	7470A			598021	09/27/21 13:25	BMB	TAL BUF
Total/NA	Analysis	7470A_ASP		1	598092	09/27/21 17:27	BMB	TAL BUF
Total/NA	Prep	9012B			598198	09/28/21 13:14	JPS	TAL BUF
Total/NA	Analysis	9012B		1	598267	09/28/21 19:59	SRA	TAL BUF

Client Sample ID: DUP
Lab Sample ID: 480-190061-10
Date Collected: 09/23/21 15:15
Matrix: Water
Date Received: 09/24/21 14:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	598610	10/01/21 05:42	CRL	TAL BUF
Total/NA	Prep	3510C			598041	09/27/21 14:38	CMC	TAL BUF
Total/NA	Analysis	8270D		1	598205	09/28/21 21:01	PJQ	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
Job ID: 480-190061-1
Project/Site: Cherry Farms Annual GW Sample

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	04-01-22

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
Job ID: 480-190061-1
Project/Site: Cherry Farms Annual GW Sample

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 andor 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
Job ID: 480-190061-1
Project/Site: Cherry Farms Annual GW Sample

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-190061-1	MW-4	Water	09/23/21 15:45	09/24/21 14:30
480-190061-2	MW-5	Water	09/23/21 15:30	09/24/21 14:30
480-190061-3	MW-6	Water	09/23/21 15:15	09/24/21 14:30
480-190061-4	RW-4	Water	09/24/21 13:40	09/24/21 14:30
480-190061-5	RW-5	Water	09/24/21 11:10	09/24/21 14:30
480-190061-6	S-1	Water	09/23/21 12:30	09/24/21 14:30
480-190061-7	S-2	Water	09/23/21 12:45	09/24/21 14:30
480-190061-8	S-3	Water	09/23/21 13:00	09/24/21 14:30
480-190061-9	S-4	Water	09/23/21 13:45	09/24/21 14:30
480-190061-10	DUP	Water	09/23/21 15:15	09/24/21 14:30

Quantitation Limit Exceptions Summary

Client: Groundwater & Environmental Services Inc
Job ID: 480-190061-1
Project/Site: Cherry Farms Annual GW Sample

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

Client: Cherry Farms Participating Parties

Lab Project #48002788

FED-EX Tracking #	Bottle Order Control #
Lab Quote #	Lab Job #

CLIENT/REPORTING INFORMATION	PROJECT INFORMATION	BILLING INFORMATION
Groundwater & Environmental Services, Inc. 415 Lawrence Bell Drive, Williamsville, NY 14221 **Project Manager:** Thomas Palmer — **Phone #:** 800-287-7857 PM Email: NERegion@gesonline.com — fax **866-902-2187**	**Project Name:** Cherry Farm/River Road Site **Project Address:** 4100 River Rd, Tonawanda, NY **Project PSID #:** 872640	Groundwater & Environmental Services, Inc. ges-invoices@gesonline.com ATTN: Accounts Payable **Invoice Instructions (Project #/ Phase / Task / Altorg)** 0901792/05/206/1109

Sampler(s) Name: Mike Reisch

Lab Sample #	Field ID / Point of Collection (Sys_loc_code)	Depth Interval (ft)	Date Sampled	Time Sampled	Sampler	Matrix	Total # Bottles	number of preserved bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	Amber	REQUESTED ANALYSIS (see Test Code sheet): 8082A - TCL PCBs - OLM04.2	8270D - (MOD) TCL SVOA - OLM04.2	8260C - (MOD) TCL VOC OLM04.2	8081B - TCL Pesticides - OLM04.2	6010C, 7470A - Metals	9012B - Cyanice, Total	LAB USE ONLY
	MW-4	NA	9/23	1545	MR	WG	5	3				2						X	X				
	MW-5	NA	9/23	1530		WG	5	3				2						X	X				
	MW-6	NA	9/23	1515		WG	5	3				2						X	X				
	RW-4	NA	9/24	1340		WG	5	3				2						X	X				
	RW-5	NA	9/24	1110		WG	5	3				2						X	X				
	S-1	NA	9/23	1230		WG	11	3	1	1		6					X	X	X	X	X	X	
	S-2	NA	9/23	1245		WG	11	3	1	1		6					X	X	X	X	X	X	
	S-3	NA	9/23	1300		WG	11	3	1	1		6					X	X	X	X	X	X	
	S-4	NA	9/23	1345		WG	11	3	1	1		6					X	X	X	X	X	X	
	Dup	-	9/23	1515		WG	5	3				2						X	X				
	MS/MSD	-	9/23	1530		WG	10	C				4						X	1				

Turnaround Time (Business Days) — **Approved By (Lab PM) / Date**

- ☑ Standard 14 Days _____/
- ☐ 1 day RUSH _____/
- ☐ Other _____ _____/

Laboratory Information

Lab: TestAmerica Buffalo
Address: 10 Hazelwood Dr, Amherst, NY 14228
Phone: 716-691-2600
Lab PM: Orlette Johnson
Lab PM Email: orlette.johnson@testamericainc.com

Data Deliverable Information

- ☐ Commercial 'A' (Level 1) = Results Only
- ☐ Commercial 'B' (Level 2) = Results + QC Summary
- ☐ FULLT1 (Level 3 & 4)
- ☐ NJReduced = Results + QC Summary + Partial Raw Da
- ☐ Commercial 'C'
- ☐ *NJ Data of Known Quality Protocol Reporting*
- ☐ NYASP Category A
- ☐ NYASP Category B
- ☐ State Forms
- ☑ EDD Format _____
- ☐ Other _____

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

480-190061 Chain of Custody

Sample Custody must be documented below each time samples change possession, including courier.

	Relinquished By Sampler:	Date / Time:	Received By:
1	[signature]	9/24 1430	
2	Relinquished By :	Date / Time:	Received By:
3	Relinquished By :	Date / Time:	Received By: TAT3 9/24/1430

Custody Seal Number: ☐ Intact ☐ Not Intact ☐ Preserved where applicable ☐ On Ice **Cooler Temp** 3.7 5.2 #1 IC=

Login Sample Receipt Checklist

Client: Groundwater & Environmental Services Inc

Job Number: 480-190061-1

Login Number: 190061
List Number: 1
Creator: Stopa, Erik S

List Source: Eurofins TestAmerica, Buffalo

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

Appendix B-1 Historical Water Level Data

Appendix B-1

Historical Water Level Data

		08/08/97	08/19/97	08/20/97	08/21/97	08/22/97	08/25/97	09/04/97	09/12/97	10/03/97	10/13/97	11/21/97	12/05/97	12/24/97	01/06/98	02/02/98	02/18/98	04/01/98	04/27/98	05/27/98	06/25/98	07/31/98
	Original																					
WELL	ELEV.	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW
NAME	TOC	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)
MW-1	577.68	11.55	11.58	11.61	11.40	11.23	11.50	11.78	11.74	11.38	11.50	11.32	11.48	11.79	11.48	11.62	11.53	11.10	11.34	11.37	11.50	11.58
MW-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
NA = Not applicable
D = Destroyed/abandoned well
NM = DTW not measured

Appendix B-1

Historical Water Level Data

		05/26/00	06/26/00	07/21/00	08/28/00	09/29/00	11/01/00	11/30/00	12/11/00	01/22/01	02/27/01	03/16/01	04/20/01	05/30/01	06/18/01	08/01/01	08/24/01	09/25/01	10/22/01	12/11/01	01/23/02	02/20/02
	Original																					
WELL	ELEV.	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW
NAME	TOC	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)
MW-1	577.68	12.25	11.97	11.86	12.14	12.14	12.67	12.91	13.02	12.96	12.58	12.77	12.30	12.11	12.22	12.63	12.79	12.67	12.67	12.98	12.58	12.48
MW-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
FEET = feet BTOC
BTOC = below top of casing
NA = Not applicable
D = Destroyed/abandoned well
NM = DTW not measured

Appendix B-1

Historical Water Level Data

		03/28/02	04/24/02	05/23/02	06/17/02	07/25/02	08/20/02	09/18/02	10/18/02	11/22/02	12/16/02	01/30/03	02/28/03	03/11/03	04/15/03	05/28/03	06/23/03	07/18/03	08/29/03	09/24/03	10/24/03	11/25/03
	Original																					
WELL	ELEV.	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW
NAME	TOC	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)
MW-1	577.68	12.48	12.07	11.87	11.90	12.45	12.28	12.44	12.40	12.80	12.66	12.77	12.63	12.49	11.99	11.91	11.68	12.18	12.40	12.39	12.61	12.21
MW-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
NA = Not applicable
D = Destroyed/abandoned well
NM = DTW not measured

Appendix B-1

Historical Water Level Data

		12/15/03	01/20/04	02/26/04	03/09/04	04/23/04	05/27/04	06/07/04	07/21/04	08/20/04	09/24/04	10/28/04	02/15/05	04/20/05	08/01/05	12/08/05	03/21/06	06/23/06	09/26/06	12/19/06	12/27/07	03/31/08
	Original																					
WELL	ELEV.	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW
NAME	TOC	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)
MW-1	577.68	12.56	12.27	12.54	12.11	11.90	11.52	11.60	11.74	11.59	11.70	12.43	11.70	11.54	11.98	12.42	12.01	11.56	11.48	12.10	12.11	10.33
MW-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	03/08/21	06/28/21	09/20/21	11/22/21
	Original													
WELL	ELEV.	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW
NAME	TOC	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)
MW-1	577.68	11.07	NA	NA	NA	NA	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	11.29	11.26	11.05	10.66
MW-2	578.76	13.04	NA	NA	NA	NA	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	13.02	12.89	12.88	12.65
MW-3	571.16	5.65	NA	NA	NA	NA	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	5.62	5.70	5.63	5.32
MW-4	583.83	16.25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-4	583.83	NA	NA	NA	NA	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	17.71	17.97	17.89	16.85
MW-5	584.14	18.25	NA	NA	NA	NA	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	18.56	18.33	18.38	18.32
MW-6	585.70	20.49	NA	NA	NA	NA	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	20.42	20.19	20.17	20.16
MW-7	586.40	20.46	NA	NA	NA	NA	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	20.57	20.52	20.50	20.15
OW-1	573.63	8.03	NA	NA	NA	NA	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	8.21	8.20	8.03	7.72
OW-2	584.14	14.31	NA	NA	NA	NA	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	14.74	14.73	14.50	14.26
OW-3	576.25	7.90	NA	NA	NA	NA	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	8.91	9.41	9.21	8.34
OW-4	572.21	6.02	NA	NA	NA	NA	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	6.16	6.26	6.20	5.78
OW-5	584.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
OW-5*	584.03	16.01	NA	NA	NA	NA	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	16.00	16.17	16.04	13.32
OW-6	572.12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
OW-6*	572.17	4.88	NA	NA	NA	NA	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	4.85	5.33	5.02	4.13
OW-7	574.84	7.27	NA	NA	NA	NA	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	7.42	8.02	7.83	6.86
OW-8	571.31	4.99	NA	NA	NA	NA	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	5.19	5.45	5.09	4.79
OW-9	588.32	20.02	NA	NA	NA	NA	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	20.15	20.77	20.42	19.67
S-1	571.84	2.94	NA	NA	NA	NA	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	6.41	6.18	6.16	3.19
S-2	571.81	4.39	NA	NA	NA	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	4.39	4.90	4.56	3.77
S-3	571.84	4.47	NA	NA	NA	NA	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	4.44	4.90	4.57	3.82
S-4	571.51	3.87	NA	NA	NA	NA	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	4.63	5.35	5.57	4.45
RW-1	581.82	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
RW-3	582.30	D	D	D	D	D	D	D	D	D	D	D	D	D
RW-4	581.83	16.10	NA	NA	NA	NA	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	16.02	15.81	15.87	15.81
RW-5	582.05	14.00	NA	NA	NA	NA	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	16.30	16.15	16.12	15.96
RW-6	570.76	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
RW-8	583.83	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
RW-10	583.28	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
SG	568.89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SG*	567.75	2.65	NA	NA	NA	NA	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	2.18	1.80	2.00	2.02

* 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 1997-2021)

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	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1
			Lab Sample ID:	162140	G5092	H0915	H7392	J8338	M0188	N4875	Q3850	R7149	S7281	T6808	V4308	Z7440	A7549	B4250	E1139	0508015-004A	0603100-003A	A7E98502	A8E15002
			Source:	Columbia	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OB	OB	OB	OB	OB	OB	LSL-BL	TA	TA
			SDG:	MW1	5116	6847	7810	9571	1489	3856	5490	7645	9259	724	2494	4203	5716	6968	6968	200508	6030950	A07-E985	A8-E150
			Matrix:	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
			Sampled:	08/12/97	11/20/97	02/19/98	05/27/98	10/21/98	04/19/99	11/09/99	04/27/00	12/13/00	06/19/01	12/11/01	06/17/02	12/17/02	06/25/03	12/15/03	06/08/04	08/02/05	03/22/06	12/26/07	11/06/08
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	2 B, J	ND	ND
75-15-0	Carbon disulfide	60 (G)	**(µg/L)**	ND	ND	ND	ND	ND	19	ND	7 J	ND	ND	ND	ND	ND	8 J	ND	ND	ND	ND	ND	ND
75-09-2	Methylene chloride	5	**(µg/L)**	ND	ND	ND	ND	2 J	1 J, B	ND	ND	1 J	ND	1 J, B	1 J	0.8 J, B	ND	ND	0.7 J, B	0.6 B, J	ND	ND	ND
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	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	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	2	ND	ND
	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	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	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	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	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	ND	ND
207-08-9	Benzo[k]flouranthene	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
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
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
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	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	ND	0.4 B, J	ND
117-84-0	Di-n-octyl phthalate	50 (G)	**(µg/L)**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	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
	Total SVOCs			4	ND	ND	ND	ND	ND	ND	ND	ND	2	ND	ND	ND	ND	ND	ND	ND	ND	0.4	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
Pests, PCBs, and inorganics not collected after April 2020 for intermediate/ deep wells
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	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1
			Lab Sample ID:	162140	G5092	H0915	H7392	J8338	M0188	N4875	Q3850	R7149	S7281	T6808	V4308	Z7440	A7549	B4250	E1139	0508015-004A	0603100-003A	A7E98502	A8E15002
			Source:	Columbia	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OB	OB	OB	OB	OB	OB	LSL-BL	TA	TA
			SDG:	MW1	5116	6847	7810	9571	1489	3856	5490	7645	9259	724	2494	4203	5716	6968	6968	200508	6030950	A07-E985	A8-E150
			Matrix:	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
			Sampled:	08/12/97	11/20/97	02/19/98	05/27/98	10/21/98	04/19/99	11/09/99	04/27/00	12/13/00	06/19/01	12/11/01	06/17/02	12/17/02	06/25/03	12/15/03	06/08/04	08/02/05	03/22/06	12/26/07	11/06/08
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	NA	NA	NA	NA
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	NA	NA	NA	NA
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	NA	NA	NA	NA
50-29-3	4,4'-DDT	0.2	(µg/L)	ND	ND	ND	ND	ND	ND	ND	0.0033 J, P	0.0009 J, P	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
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	NA	NA	NA	NA
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	NA	NA	NA	NA
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	NA	NA	NA	NA
72-20-8	Endrin	ND	(µg/L)	ND	ND	ND	ND	ND	ND	0.0032 J, P	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
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	NA	NA	NA	NA
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	NA	NA	NA	NA
58-89-9	gamma-BHC (Lindane)	0.05	(µg/L)	ND	ND	ND	ND	ND	0.032 J	0.00053 J, P	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
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	0.015 J, P	ND	0.0045 B, J, P	NA	NA	NA	NA
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	NA	NA	NA	NA
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	NA	NA	NA	NA
	Total Pesticides			ND	0.00055	ND	0.01192	0.0046	0.0261	0.0405	0.00683	0.0066	ND	0.008	0.0081	ND	0.0275	0.015	0.0045	NA	NA	NA	NA
	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
	Total PCBs			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	INORGANICS																						
7429-90-5	Aluminum	NS	(µg/L)	273	1580	3080	1940	2730	830	4760	7170	4880 E	4760	7810	3660	11500	4090	3680	3230	*	NA	NA	NA
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	*	NA	NA	NA
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**	*	NA	NA	NA
7440-39-3	Barium	1000	(µg/L)	733	353	447	340	353	353	472	516	624	537	821	419	**1170**	731	650	603	*	NA	NA	NA
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	*	NA	NA	NA
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	*	NA	NA	NA
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	*	NA	NA	NA
7440-47-8	Chromium	50	(µg/L)	1.7 B	6.5 B	7.2 B	5 B	11.5	9 B	12.6 E	16.9	13.7	**60.7**	19	9.2 B, E	21	9.3 B	8.5 B	7.8 B	*	NA	NA	NA
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	*	NA	NA	NA
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	*	NA	NA	NA
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**	*	NA	NA	NA
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	*	NA	NA	NA	NA
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**	*	NA	NA	NA
7439-96-5	Manganese	300	(µg/L)	58.2	136	188	157	201	155	297	**309**	**344**	208	**387**	**406**	**563**	210	191	165	*	NA	NA	NA
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	*	NA	NA	NA
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	*	NA	NA	NA
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	*	NA	NA	NA
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	*	NA	NA	NA
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**	*	NA	NA	NA
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	*	NA	NA	NA
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	*	NA	NA	NA
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	*	NA	NA	NA
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	*	NA	NA	NA
	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	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.
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
Pests, PCBs, and inorganics not collected after April 2020 for intermediate/ deep wells
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 (MS/MSD)	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1
			Lab Sample ID:	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	Not Sampled	Not Sampled
			Source:	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA			TA		TA		
			SDG:	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
			Sampled:	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	10/22/20	09/23/21
CAS NO.	**COMPOUND**		**UNITS:**																		
	VOLATILES																				
67-64-1	Acetone	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	8.5 J	NA	ND	NA	NA
75-15-0	Carbon disulfide	60 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	0.21 J B	NA	ND	NA	NA
75-09-2	Methylene chloride	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA
108-88-3	Toluene	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA
1330-20-7	Xylene (total)	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA
	Total VOCs			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	8.71	NA	ND	NA	NA
	SEMIVOLATILES																				
117-81-7	bis(2-ethylhexyl)phthalate	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND F1	NA	NA	ND	NA	ND	NA	NA
56-55-3	Benzo[a]anthracene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	**0.80 J B**	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA
50-32-8	Benzo[a]pyrene	NS	(µg/L)	ND	ND	ND	ND	ND	0.45 J	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA
205-99-2	Benzo[b]fluoranthene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	**0.79 J B**	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA
191-24-2	Benzo[g,h,i]perylene	NS	(µg/L)	ND	ND	ND	ND	ND	0.62 J	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA
207-08-9	Benzo[k]flouranthene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	**0.84 J**	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA
85-68-7	Butyl benzyl phthalate	50 (G)	(µg/L)	ND	ND	ND	ND	ND	1.1 J B	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA
218-01-9	Chrysene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	**0.32 J**	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA
84-66-2	Diethyl phthalate	50 (G)	(µg/L)	ND	ND	ND	ND	ND	0.32 J	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA
84-74-2	Di-n-butyl phthalate	50	(µg/L)	0.49 J	ND	0.39 J	1.7 J, B	ND	0.77 J B	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA
117-84-0	Di-n-octyl phthalate	50 (G)	(µg/L)	ND	ND	ND	ND	ND	0.85 J B	ND	ND	ND	ND	ND F1	NA	NA	ND	NA	ND	NA	NA
193-39-5	Indeno[1,2,3-cd]pyrene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	**0.50 J**	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA
129-00-0	Pyrene	50 (G)	(µg/L)	ND	ND	ND	ND	ND	0.44 J	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA
	Total SVOCs			0.49	ND	0.39	1.7	ND	7.48	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA

Notes:
NYSDEC June 1998 Ambient Water Quality Standards and Guidance Values for Groundwater Class GA.
Bold and shaded values exceed the NYSDEC Class GA groundwater standard/guidance value.
MS = Matrix Spike
MSD = Matrix Spike Duplicate
NS = No Standard
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ND = Concentration was not detected at or above the reporting limit.
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Pests, PCBs, and inorganics not collected after April 2020 for intermediate/ deep wells
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 (MS/MSD)	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1
			Lab Sample ID:	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	Not Sampled	Not Sampled
			Source:	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA			TA		TA		
			SDG:	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
			Sampled:	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	10/22/20	09/23/21
CAS NO.	**COMPOUND**		**UNITS:**																		
	PESTICIDES																				
309-00-2	Aldrin	ND	(µg/L)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
319-84-6	alpha-BHC	0.01	(µg/L)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
319-85-7	beta-BHC	0.04	(µg/L)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
50-29-3	4,4'-DDT	0.2	(µg/L)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
60-57-1	Dieldrin	0.004	(µg/L)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
959-98-8	Endosulfan I	NS	(µg/L)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1031-07-8	Endosulfan sulfate	NS	(µg/L)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
72-20-8	Endrin	ND	(µg/L)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7421-93-4	Endrin aldehyde	5	(µg/L)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
53494-70-5	Endrin ketone	5	(µg/L)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
58-89-9	gamma-BHC (Lindane)	0.05	(µg/L)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
5103-74-2	gamma-Chlordane	0.05	(µg/L)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1024-57-3	Heptachlor epoxide	0.03	(µg/L)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
72-43-5	Methoxychlor	35	(µg/L)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Total Pesticides			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	NA	NA	ND	NA	ND	NA	NA
	Total PCBs			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)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7440-36-0	Antimony	3	(µg/L)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7440-38-2	Arsenic	25	(µg/L)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7440-39-3	Barium	1000	(µg/L)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7440-41-7	Beryllium	3 (G)	(µg/L)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7440-43-9	Cadmium	5	(µg/L)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7440-70-2	Calcium	NS	(µg/L)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7440-47-8	Chromium	50	(µg/L)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7440-48-4	Cobalt	NS	(µg/L)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7440-50-8	Copper	200	(µg/L)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7439-89-6	Iron	300	(µg/L)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7439-92-1	Lead	25	(µg/L)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7439-95-4	Magnesium	35000 (G)	(µg/L)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7439-96-5	Manganese	300	(µg/L)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7440-02-0	Nickel	100	(µg/L)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7440-09-7	Potassium	NS	(µg/L)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7782-49-2	Selenium	10	(µg/L)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7440-22-4	Silver	50	(µg/L)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7440-23-5	Sodium	20000	(µg/L)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7440-28-0	Thallium	0.5 (G)	(µg/L)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7440-62-2	Vanadium	NS	(µg/L)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7440-66-6	Zinc	2000 (G)	(µg/L)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
57-12-5	Cyanide	200	(µg/L)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Total Inorganics			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
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Bold and shaded values exceed the NYSDEC Class GA groundwater standard/guidance value.
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Appendix B-2

Monitoring Well Historically Detected Compounds

Cherry Farm Groundwater Analytical Data Historically Detected Compounds		NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID:	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2
			Lab Sample ID:	162139	G5114	H0916	H7394	J8340	M0190	N4874	Q3851	R7150	S7278	T6914	V4313	Z7444	A7550	B4506	E1069	0508023-001A	0603108-003A	A7E98503
			Source:	Columbia	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OB	OB	OB	OB	OB	OB	TA
			SDG:	MW1	5116	6847	7810	9571	1489	3856	5490	7645	9259	739	2494	4203	5716	6968	6968	200508	6030950	A07-E985
			Matrix:	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
			Sampled:	08/12/97	11/20/97	02/19/98	05/28/98	10/21/98	04/20/99	11/08/99	04/27/00	12/13/00	06/19/01	12/12/01	06/18/02	12/17/02	06/25/03	12/18/03	06/07/04	08/03/05	03/23/06	12/26/07
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	4 B, J	3 B, J	ND
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	ND	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	1 J	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	0.9 B, J	1 B, J	ND
	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			ND	1	ND	ND	6	2	ND	7	ND	4	1	ND	2.9	5	ND	3.8	5.9	4	ND
	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	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	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	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	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	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	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
59-50-7	4-Chloro-3-methylphenol	1	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	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	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	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	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	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	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	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**	2 J	ND	**14**
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	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
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
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	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	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	ND	ND	0.3 B, J
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
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
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
118-74-1	Hexachlorobenzene	0.04	(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	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	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	ND	ND	ND
108-95-2	Phenol	1	(µg/L)	**4 J, B**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	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
	Total SVOCs			12	1	1	ND	ND	ND	ND	2	ND	1	3	ND	ND	ND	ND	21	2	ND	14.3

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.
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:	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2
			Lab Sample ID:	162139	G5114	H0916	H7394	J8340	M0190	N4874	Q3851	R7150	S7278	T6914	V4313	Z7444	A7550	B4506	E1069	0508023-001A	0603108-003A	A7E98503
			Source:	Columbia	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OB	OB	OB	OB	OB	LSL-BL	TA
			SDG:	MW1	5116	6847	7810	9571	1489	3856	5490	7645	9259	739	2494	4203	5716	6968	6968	200508	6030950	A07-E985
			Matrix:	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
			Sampled:	08/12/97	11/20/97	02/19/98	05/28/98	10/21/98	04/20/99	11/08/99	04/27/00	12/13/00	06/19/01	12/12/01	06/18/02	12/17/02	06/25/03	12/18/03	06/07/04	08/03/05	03/23/06	12/26/07
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	NA	NA	NA
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	NA	NA	NA
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	NA	NA	NA
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	NA	NA	NA
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	NA	NA	NA
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	NA	NA	NA
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	NA	NA	NA
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	NA	NA	NA
58-89-9	gamma-BHC (Lindane)	0.05	(µg/L)	ND	ND	ND	ND	ND	0.0051 J, P	0.037 J, P	0.0052 J, P	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
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	NA	NA	NA
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	NA	NA	NA
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	NA	NA	NA
	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	ND	ND	ND
	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
	Total PCBs			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	INORGANICS																					
7429-90-5	Aluminum	NS	(µg/L)	329	37800	34600	19400	17900	12100	23100	35500	6220 E	16300	40100	27800	26800	29800	36400	51300	NA	NA	NA
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	NA	NA	NA
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**	NA	NA	NA
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	NA	NA	NA
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	NA	NA	NA
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	NA	NA	NA
7440-70-2	Calcium	NS	(µg/L)	202000	459000	452000	378000	344000	347000	345000	521000	352000	341000	514000	473000	454000	479000	524000	676000	NA	NA	NA
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**	NA	NA	NA
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	NA	NA	NA
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	NA	NA	NA
7439-89-6	Iron	300	(µg/L)	**6020**	**79000**	**67700**	**42000**	**38800**	**27200**	**42100**	**66400**	**12900**	**40500**	**83100**	**55600**	**54000**	**59400**	**69500**	**97500**	NA	NA	NA
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**	NA	NA	NA
7439-95-4	Magnesium	35000 (G)	(µg/L)	**66300**	**118000**	**118000**	**95400**	**109000**	**103000**	**115000**	**171000**	**74300**	**97000**	**153000**	**113000**	**125000**	**143000**	**143000**	207000	NA	NA	NA
7439-96-5	Manganese	300	(µg/L)	59.6	**1920**	**1810**	**1160**	**1000**	**949**	**941**	**1910**	**703**	**777**	**2060**	**1520**	**1510**	**1570**	**1940**	**2770**	NA	NA	NA
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	NA	NA	NA
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	NA	NA	NA
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	NA	NA	NA
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	NA	NA	NA
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	NA	NA	NA
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	NA	NA	NA
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	NA	NA	NA
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	NA	NA	NA
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	NA	NA	NA
	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	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:	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2
			Lab Sample ID:	A8E15003	RSI0312-07	RTF0798-02	480-2185-2	480-14453-2	480-23574-8	480-38363-2	480-56775-2	480-70616-5	480-83528-5	480-101674-1	Not Sampled	Not Sampled	480-141984-2	Not Sampled	480-167684-3	Not Sampled	Not Sampled
			Source:	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA			TA		TA		
			SDG:	A8-E150	RSI0296	RTF0798	480-2185	480-14453	480-23574	480-38363	480-56775	480-70616	480-83528	480-101674			480-141984		480-167684		
			Matrix:	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
			Sampled:	11/06/08	09/09/09	06/10/10	03/03/11	12/23/11	08/07/12	05/15/13	03/27/14	11/03/14	07/08/15	06/15/16	03/22/17	10/05/17	09/19/18	06/26/19	03/17/20	10/22/20	09/23/21
CAS NO.	COMPOUND		UNITS:																		
	VOLATILES																				
67-64-1	Acetone	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA
75-15-0	Carbon disulfide	60 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	0.19 J B	NA	ND	NA	NA
67-66-3	Chloroform	7	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA
75-09-2	Methylene chloride	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA
	Xylene (total)	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA
	Total VOCs			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	0.19	NA	ND	NA	NA
	SEMIVOLATILES																				
95-95-4	2,4,5-Trichlorophenol	1	(µg/L)	ND	ND	ND	ND	ND	ND	0.90 J	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA
88-06-2	2,4,6-Trichlorophenol	NS	(µg/L)	ND	ND	ND	ND	ND	ND	0.68 J	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA
121-14-2	2,4-Dinitrotoluene	5	(µg/L)	ND	ND	ND	ND	ND	ND	1.1 J	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA
606-20-2	2,6-Dinitrotoluene	5	(µg/L)	ND	ND	ND	ND	ND	ND	0.74 J	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA
89-63-4	2-Nitroaniline	5	(µg/L)	ND	ND	ND	ND	ND	ND	0.70 J	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA
91-94-1	3,3'-Dichlorobenzidine	5	(µg/L)	ND	ND	ND	ND	ND	ND	1.0 J	ND	ND	ND	ND	NA	NA	ND *	NA	ND	NA	NA
101-55-3	4-Bromophenyl phenyl ether	NS	(µg/L)	ND	ND	ND	ND	ND	ND	0.97 J	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA
59-50-7	4-Chloro-3-methylphenol	1	(µg/L)	ND	ND	ND	ND	ND	ND	0.82 J	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA
7005-72-3	4-Chlorophenyl phenyl ether	NS	(µg/L)	ND	ND	ND	ND	ND	ND	0.71 J	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA
120-12-7	Anthracene	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	0.65 J	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA
56-55-3	Benzo[a]anthracene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	1.0 J	**3.1 J B**	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA
50-32-8	Benzo[a]pyrene	NS	(µg/L)	ND	ND	ND	ND	0.68 J	0.83 J	1.9 J	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA
205-99-2	Benzo[b]fluoranthene	0.002 (G)	(µg/L)	ND	ND	ND	ND	**0.84 J**	**1.1 J**	**3.2 J B**	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA
191-24-2	Benzo[g,h,i]perylene	NS	(µg/L)	ND	ND	ND	ND	0.39 J	0.50 J	2.1 J	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA
207-08-9	Benzo[k]fluoranthene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	**3.1 J**	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA
117-81-7	bis(2-ethylhexyl)phthalate	5	(µg/L)	ND	ND	ND	ND	ND	ND	3.5 J	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA
85-68-7	Butyl benzyl phthalate	50	(µg/L)	ND	ND	ND	ND	ND	ND	3.9 J B	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA
86-74-8	Carbazole	NS	(µg/L)	ND	ND	ND	ND	ND	ND	1.5 J	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA
218-01-9	Chrysene	0.002 (G)	(µg/L)	ND	ND	ND	ND	**0.74 J**	**0.86 J**	**1.4 J**	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA
84-66-2	Diethyl phthalate	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	1.3 J	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA
131-11-3	Dimethyl phthalate	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	0.76 J	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA
84-74-2	Di-n-butyl phthalate	50	(µg/L)	ND	ND	ND	0.38 J	1.4 J B	ND	2.2 J B	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA
117-84-0	Di-n-octyl phthalate	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	3.1 J B	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA
53-70-3	Dibenz[a,h]anthracene	NS	(µg/L)	ND	ND	ND	ND	ND	ND	1.1 J	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA
206-44-0	Fluoranthene	50 (G)	(µg/L)	ND	ND	ND	ND	ND	1.7 J	1.5 J	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA
118-74-1	Hexachlorobenzene	0.04	(µg/L)	ND	ND	ND	ND	ND	ND	**0.95 J**	ND	ND	ND	ND	NA	NA	ND *	NA	ND	NA	NA
193-39-5	Indeno[1,2,3-cd]pyrene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	**0.59 J**	**1.8 J**	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA
86-30-6	N-Nitrosodiphenylamine	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	1.2 J	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA
85-01-8	Phenanthrene	50 (G)	(µg/L)	ND	ND	ND	ND	ND	1.1 J	1.0 J	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA
108-95-2	Phenol	1	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA
129-00-0	Pyrene	50 (G)	(µg/L)	ND	ND	ND	ND	1.2 J	1.4 J	1.7 J	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA
	Total SVOCs			ND	ND	ND	0.38	5.25	9.08	48.58	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA

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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-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2
			Lab Sample ID:	A8E15003	RSI0312-07	RTF0798-02	480-2185-2	480-14453-2	480-23574-8	480-38363-2	480-56775-2	480-70616-5	480-83528-5	480-101674-1	Not Sampled	Not Sampled	480-141984-2	Not Sampled	480-167684-3	Not Sampled	Not Sampled
			Source:	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA			TA		TA		
			SDG:	A8-E150	RSI0296	RTF0798	480-2185	480-14453	480-23574	480-38363	480-56775	480-70616	480-83528	480-101674			480-141984		480-167684		
			Matrix:	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
			Sampled:	11/06/08	09/09/09	06/10/10	03/03/11	12/23/11	08/07/12	05/15/13	03/27/14	11/03/14	07/08/15	06/15/16	03/22/17	10/05/17	09/19/18	06/26/19	03/17/20	10/22/20	09/23/21
CAS NO.	**COMPOUND**		**UNITS:**																		
	PESTICIDES																				
309-00-2	Aldrin	ND	(µg/L)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
319-84-6	alpha-BHC	0.01	(µg/L)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
72-55-9	4,4'-DDE	0.2	(µg/L)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
50-29-3	4,4'-DDT	0.2	(µg/L)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
959-98-8	Endosulfan I	NS	(µg/L)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
33213-65-9	Endosulfan II	NS	(µg/L)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1031-07-8	Endosulfan sulfate	NS	(µg/L)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7421-93-4	Endrin aldehyde	5	(µg/L)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
58-89-9	gamma-BHC (Lindane)	0.05	(µg/L)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
5103-74-2	gamma-Chlordane	0.05	(µg/L)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1024-57-3	Heptachlor epoxide	0.03	(µg/L)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
72-43-5	Methoxychlor	35	(µg/L)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Total Pesticides			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA
	PCBs																				
	None Detected	All PCBs <0.09	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA
	Total PCBs			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA
	INORGANICS																				
7429-90-5	Aluminum	NS	(µg/L)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7440-36-0	Antimony	3	(µg/L)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7440-38-2	Arsenic	25	(µg/L)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7440-39-3	Barium	1000	(µg/L)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7440-41-7	Beryllium	3 (G)	(µg/L)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7440-43-9	Cadmium	5	(µg/L)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7440-70-2	Calcium	NS	(µg/L)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7440-47-8	Chromium	50	(µg/L)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7440-48-4	Cobalt	NS	(µg/L)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7440-50-8	Copper	200	(µg/L)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7439-89-6	Iron	300	(µg/L)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7439-92-1	Lead	25	(µg/L)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7439-95-4	Magnesium	35000 (G)	(µg/L)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7439-96-5	Manganese	300	(µg/L)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7439-97-6	Mercury	0.7	(µg/L)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7440-02-0	Nickel	100	(µg/L)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7440-09-7	Potassium	NS	(µg/L)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7782-49-2	Selenium	10	(µg/L)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7440-23-5	Sodium	20000	(µg/L)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7440-28-0	Thallium	.5 (G)	(µg/L)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7440-62-2	Vanadium	NS	(µg/L)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7440-66-6	Zinc	2000 (G)	(µg/L)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
57-12-5	Cyanide	200	(µg/L)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	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.
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:	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:	162134	G5115	H0917	H7395	J8484	M0191	N5015	Q3846	R7156	S7325	T6809	V4310	Z7443	A7551	B4288	E1141	050823-002A	0603100-002A	A7E98504
			Source:	Columbia	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OB	OB	OB	OB	OB	OB	LSL-BL	TA
			SDG:	MW1	5116	6847	7810	9595	1489	3880	5490	7645	9270	724	2494	4203	5716	6968	6968	200508	6030950	A07-E985
			Matrix:	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
			Sampled:	08/12/97	11/20/97	02/19/98	05/28/98	10/22/98	04/20/99	11/10/99	04/26/00	12/14/00	06/20/01	12/11/01	06/18/02	12/17/02	06/25/03	12/16/03	06/08/04	08/03/05	03/22/06	12/26/07
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	4 B, J	3 B, J	ND
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	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	2 J	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	1 B, J	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	1 J	ND	ND	ND
	Total VOCs			ND	ND	ND	ND	6	13	6	ND	ND	5	2	1	5	3	2	3.8	7	3	ND
	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	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	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	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	ND
85-68-7	Butyl benzyl phthalate	50	(µg/L)	1 J, B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	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	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	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	ND	0.3 B, J
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
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
91-20-3	Naphthalene	10 (G)	(µg/L)	ND	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	ND	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.3

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.
ND = Not Detected
NS = No Standard
(G) = Guidance Value
ND = Concentration was not detected at or above the reporting limit.
J = Result is less than the Reporting Limit but greater than or equal to the Method Detection Limit and the concentration is an approximate value.
B = Compound was found in the blank and sample.
E = Concentration exceeds method limit.
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-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:	162134	G5115	H0917	H7395	J8484	M0191	N5015	Q3846	R7156	S7325	T6809	V4310	Z7443	A7551	B4288	E1141	050823-002A	0603100-002A	A7E98504
			Source:	Columbia	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OB	OB	OB	OB	OB	OB	TA
			SDG:	MW1	5116	6847	7810	9595	1489	3880	5490	7645	9270	724	2494	4203	5716	6968	6968	200508	LSL-BL	6030950	A07-E985
			Matrix:	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
			Sampled:	08/12/97	11/20/97	02/19/98	05/28/98	10/22/98	04/20/99	11/10/99	04/26/00	12/14/00	06/20/01	12/11/01	06/18/02	12/17/02	06/25/03	12/16/03	06/08/04	08/03/05	03/22/06	12/26/07
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	ND	ND	ND
	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
	Total PCBs			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	INORGANICS																					
7429-90-5	Aluminum	NS	(µg/L)	197 B	3510	2060	1510	789	665	512	712	816 E	458	1390	604	763	558	265	800	*	*	*
7440-36-0	Antimony	3	(µg/L)	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	2.6 B	3.9 B	3.9 B	2.1 B	4.5 B	2.7 B	4.2 B	3.1 B	ND	ND	*	*	*
7440-39-3	Barium	1000	(µg/L)	188 B	254	245	187 B	157 B	153 B	164 B	152 B	150 B	151 B	142 B	155 B	237	229	234	213	*	*	*
7440-41-7	Beryllium	3 (G)	(µg/L)	1.8 B	0.29 B	0.24 B	ND	0.15 B	0.15 B	0.24 B	0.37 B	0.39 B	ND	0.21 B	0.13 B	0.15 B	0.1 B	ND	ND	*	*	*
7440-43-9	Cadmium	5	(µg/L)	**5.9**	0.32 B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*	*	*
7440-70-2	Calcium	NS	(µg/L)	257000	235000	216000	188000	172000	149000	151000	141000	139000	127000	116000	101000	105000	111000	111000	112000	*	*	*
7440-47-8	Chromium	50	(µg/L)	2.6 B	30.5	19.5	10.8	12.7	9.4 B	14.2 E	15	10.5	11.2	26.8	6.4 B, E	14.2	14	6 B	10.5	*	*	*
7440-48-4	Cobalt	NS	(µg/L)	2.4 B	3.1 B	ND	ND	ND	ND	ND	ND	ND	ND	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**	**54600**	**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	NA	NA	NA

Notes:
NYSDEC June 1998 Ambient Water Quality Standards and Guidance Values for Groundwater Class GA.
Bold and shaded values exceed the NYSDEC Class GA groundwater standard/guidance value.
ND = Not Detected
NS = No Standard
(G) = Guidance Value
ND = Concentration was not detected at or above the reporting limit.
J = Result is less than the Reporting Limit but greater than or equal to the Method Detection Limit and the concentration is an approximate value.
B = Compound was found in the blank and sample.
E = Concentration exceeds method limit.
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-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:	A8E30601	RSI0359-04	RTF0860-01	480-2227-5	480-14453-3	480-23574-9	480-38363-3	480-56775-3	480-70616-7	480-83528-7	480-101785-2	Not Sampled	Not Sampled	480-141984-1	Not Sampled	480-167684-5	Not Sampled	Not Sampled
			Source:	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA			TA		TA		
			SDG:	A08-E150	RSI0296	RTF0798	480-2185	480-14453	480-23574	480-38363	480-56775	480-70616	480-83528	480-101785			480-141984-3		480-167684		
			Matrix:	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
			Sampled:	11/10/08	09/10/09	06/11/10	03/04/11	12/23/11	08/07/12	05/15/13	03/27/14	11/03/14	07/08/15	06/16/16	03/22/17	10/05/17	09/19/18	06/26/19	03/18/20	10/22/20	09/23/21
CAS NO.	**COMPOUND**		**UNITS:**																		
	VOLATILES																				
67-64-1	Acetone	50 (G)	(µg/L)	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		
67-66-3	Chloroform	7	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			ND		ND		
75-09-2	Methylene chloride	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			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		
	Total VOCs			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	1.1	NA	ND	NA	NA
	SEMIVOLATILES																				
117-81-7	bis(2-ethylhexyl)phthalate	5	(µg/L)	ND	ND	ND	3.4 J, B	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	**0.48 J B**	ND	ND	ND	ND			ND		ND		
205-99-2	Benzo[b]fluoranthene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	**0.45 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	0.35 J	ND	ND	ND	ND			ND		ND		
85-68-7	Butyl benzyl phthalate	50	(µg/L)	ND	ND	ND	2.4 J	ND	ND	0.61 J B	ND	ND	ND	ND			ND		ND		
91-58-7	2-Chloronaphthalene	10 (G)	(µg/L)	0.3 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			ND		ND		
84-66-2	Diethyl phthalate	50 (G)	(µg/L)	1 J B	ND	ND	ND	ND	ND	0.23 J	ND	ND	ND	ND			ND		ND		
132-64-9	Dibenzofuran	NS	(µg/L)	0.3 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			ND		ND		
84-74-2	Di-n-butyl phthalate	50	(µg/L)	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		
117-84-0	Di-n-octyl phthalate	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	0.56 J B	ND	ND	ND	ND			ND		ND		
91-57-6	2-Methylnaphthalene	NS	(µg/L)	0.2 J B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			ND		ND		
91-20-3	Naphthalene	10 (G)	(µg/L)	0.3 B, J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			ND		ND		
85-01-8	Phenanthrene	50 (G)	(µg/L)	0.2 J B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			ND		ND		
	Total SVOCs			3.0	0.39	0.44	6.58	1.1	ND	3.17	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA

Notes:
NYSDEC June 1998 Ambient Water Quality Standards and Guidance Values for Groundwater Class GA.
Bold and shaded values exceed the NYSDEC Class GA groundwater standard/guidance value.
ND = Not Detected
NS = No Standard
(G) = Guidance Value
ND = Concentration was not detected at or above the reporting limit.
J = Result is less than the Reporting Limit but greater than or equal to the Method Detection Limit and the concentration is an approximate value.
B = Compound was found in the blank and sample.
E = Concentration exceeds method limit.
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-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:	A8E30601	RSI0359-04	RTF0860-01	480-2227-5	480-14453-3	480-23574-9	480-38363-3	480-56775-3	480-70616-7	480-83528-7	480-101785-2	Not Sampled	Not Sampled	480-141984-1	Not Sampled	480-167684-5	Not Sampled	Not Sampled
			Source:	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA			TA		TA		
			SDG:	A08-E150	RSI0296	RTF0798	480-2185	480-14453	480-23574	480-38363	480-56775	480-70616	480-83528	480-101785			480-141984-3		480-167684		
			Matrix:	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
			Sampled:	11/10/08	09/10/09	06/11/10	03/04/11	12/23/11	08/07/12	05/15/13	03/27/14	11/03/14	07/08/15	06/16/16	03/22/17	10/05/17	09/19/18	06/26/19	03/18/20	10/22/20	09/23/21
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 II	NS	(µg/L)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
1031-07-8	Endosulfan sulfate	NS	(µg/L)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
72-20-8	Endrin	ND	(µg/L)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
7421-93-4	Endrin aldehyde	5	(µg/L)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
53494-70-5	Endrin ketone	5	(µg/L)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
58-89-9	gamma-BHC (Lindane)	0.05	(µg/L)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5103-74-2	gamma-Chlordane	0.05	(µg/L)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
1024-57-3	Heptachlor epoxide	0.03	(µg/L)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Total Pesticides			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	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
	Total PCBs			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	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
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.
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-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4
			Lab Sample ID:	162135	G5191	H1021	H7396	J8485	M0194	N5016	Q3852	R7320	S7324	T7107	V4311	Z7814	A7432	B4292	E1136	0508042-001A	0603100-003A	A7E98505
			Source:	Columbia	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OB	OB	OB	OB	OB	OB	TA
			SDG:	MW1	5116	6857	7810	9595	1489	3880	5490	7645	9270	764	2494	4203	5716	6968	6968	200508	6030950	A07-E985
			Matrix:	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
			Sampled:	08/12/97	11/20/97	02/20/98	05/28/98	10/22/98	04/20/99	11/10/99	04/27/00	12/15/00	06/20/01	12/13/01	06/18/02	12/18/02	06/24/03	12/16/03	06/08/04	08/05/05	03/22/06	12/26/07
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	6 J, B	3 J, B	6
71-43-2	Benzene	1	(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	11	45	1 J	ND	ND	ND	ND	ND	6 J	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	1 J	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	1 J, B	1 J, B	ND
	Total VOCs			ND	2	3	2	6	20	45	1	ND	5	0.6	1	5	6	1	6	8	4	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	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	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	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	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	ND
207-08-9	Benzo[k]flouranthene	0.002 (G)	(µg/L)	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
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
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	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
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	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
106-44-5	4-Methylphenol	1	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	**2**	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	**2**	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	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	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	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
	Total SVOCs			3	1	ND	ND	ND	ND	2	ND	1	2	1	ND	1	ND	ND	2	ND	ND	ND

Notes:
NYSDEC June 1998 Ambient Water Quality Standards and Guidance Values for Groundwater Class GA.
Bold and shaded values exceed the NYSDEC Class GA groundwater standard/guidance value.
NS = No Standard
(G) = Guidance Value
ND = Concentration was not detected at or above the reporting limit.
J = Result is less than the Reporting Limit but greater than or equal to the Method Detection Limit and the concentration is an approximate value.
B = Compound was found in the blank and sample.
E = Concentration exceeds method limit.
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-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4
			Lab Sample ID:	162135	G5191	H1021	H7396	J8485	M0194	N5016	Q3852	R7320	S7324	T7107	V4311	Z7814	A7432	B4292	E1136	0508042-001A	0603100-003A	A7E98505
			Source:	Columbia	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OB	OB	OB	OB	OB	OB	TA
			SDG:	MW1	5116	6857	7810	9595	1489	3880	5490	7645	9270	764	2494	4203	5716	6968	6968	200508	6030950	A07-E985
			Matrix:	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
			Sampled:	08/12/97	11/20/97	02/20/98	05/28/98	10/22/98	04/20/99	11/10/99	04/27/00	12/15/00	06/20/01	12/13/01	06/18/02	12/18/02	06/24/03	12/16/03	06/08/04	08/05/05	03/22/06	12/26/07
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	NS	(µg/L)	ND	ND	ND	0.00073 J, P	ND	0.0028	ND	ND	0.00085 J, P	0.038 B, J, P	ND	ND	ND	ND	ND	ND	*	*	*
7421-93-4	Endrin aldehyde	5	(µg/L)	ND	ND	ND	ND	0.0028 J, P	ND	ND	ND	ND	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	ND	0.0033 J, P	ND	ND	*	*	*
58-89-9	gamma-BHC (Lindane)	0.05	(µg/L)	ND	ND	ND	ND		0.004 J, P	ND	0.00039 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	NA	NA	NA
	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	ND	ND	ND
	Total PCBs			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	INORGANICS																					
7429-90-5	Aluminum	NS	(µg/L)	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	Barium	1000	(µg/L)	308	47.6 B	53.3 B	214	176 B	175 B	61.3 B	58.2 B	51.9 B	79.6 B	118 B	137 B	163 B	96.4 B	80.2 B	200 B	*	*	*
7440-41-7	Beryllium	3 (G)	(µg/L)	1.1 B	0.11 B	0.09 B	ND	ND	ND	0.05 B	ND	0.31 B	ND	0.26 B	ND	ND	ND	0.2 B	0.33 B	*	*	*
7440-43-9	Cadmium	5	(µg/L)	**5.1**	3.3 B	0.39 B	ND	ND	0.88 B	0.35 B	0.59 B	0.73 B	1.8 B	2.3 B	0.58 B	0.43 B	ND	2.6 B	**8.1**	*	*	*
7440-70-2	Calcium	NS	(µg/L)	140000	59000	63600	141000	132000	137000	70000	104000	83700	101000	114000	104000	119000	112000	89000	119000	*	*	*
7440-47-3	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	36.1	30.6	11.7 B	23.8	49	130	*	*	*
57-12-5	Cyanide	200	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	16.3	ND	ND	ND	ND	*	*	*
	Total Inorganics			275,239.30	85,804.51	91,986.58	265,553.90	261,133.20	270,969.38	104,803.10	143,842.99	118,614.84	184,723.10	287,862.06	298,900.18	219,940.73	221,210.10	136,373.60	291,368.68	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.
E = Concentration exceeds method limit.
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-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4
			Lab Sample ID:	A8E30602	RSI0359-02	RTF0798-03	480-2185-3	Not Sampled	480-23574-1	480-38363-4	480-56775-4	480-70616-8	480-83621-1	480-101785-5	480-114997-1	480-125448-3	480-141984-4	480-155595-1	480-167684-6	480-177100-1	480-190061-1
			Source:	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA
			SDG:	A08-E150	RSI0296	RTF0798	480-2185		480-23574	480-38363	480-56775	480-70616	480-83621	480-101785	480-114997	480-125448	480-141984	480-155595	480-167684	480-177100	480-190061
			Matrix:	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	WATER
			Sampled:	11/10/08	09/10/09	06/10/10	03/03/11	12/23/11	08/07/12	05/15/13	03/27/14	11/03/14	07/09/15	06/16/16	03/22/17	10/05/17	09/19/18	06/26/19	03/18/20	10/22/20	9/23/2021
CAS NO.	COMPOUND		UNITS:																		
	VOLATILES																				
67-64-1	Acetone	50 (G)	(µg/L)	ND	ND	ND	ND		ND	ND	4.4 J	3.1 J	ND	ND	ND	4.9 J	4.1 J	ND	ND	ND	ND
71-43-2	Benzene	1	(µg/L)	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	**5.5**	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)	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)	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Total VOCs			ND	ND	ND	ND	NA	ND	ND	4.4	3.1	ND	ND	ND	4.9	4.1	5.5	ND	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 F2	ND	ND	ND	ND	ND
56-55-3	Benzo[a]anthracene	0.002 (G)	(µg/L)	ND	ND	ND	ND		ND	**0.90 J B**	ND	ND	ND	ND	ND	ND F2	ND	ND	ND	ND	ND
50-32-8	Benzo[a]pyrene	NS	(µg/L)	ND	ND	ND	ND		ND	0.55 J	ND	ND	ND	ND	ND	ND F2	ND	ND	ND	ND	ND
205-99-2	Benzo[b]fluoranthene	0.002 (G)	(µg/L)	ND	ND	ND	ND		ND	**0.89 J B**	ND	ND	ND	ND	ND	ND F2	ND	ND	ND	ND	ND
191-24-2	Benzo[g,h,i]perylene	NS	(µg/L)	ND	ND	ND	ND		ND	0.70 J	ND	ND	ND	ND	ND	ND F2	ND	ND	ND	ND	ND
207-08-9	Benzo[k]fluoranthene	0.002 (G)	(µg/L)	ND	ND	ND	ND		ND	**0.93 J**	ND	ND	ND	ND	ND	ND F2	ND	ND	ND	ND	ND
85-68-7	Butyl benzyl phthalate	50 (G)	(µg/L)	ND	ND	ND	ND		ND	1.2 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	**0.40 J**	ND	ND	ND	ND	ND	ND F2	ND	ND	ND	ND	ND
84-66-2	Diethyl phthalate	50 (G)	(µg/L)	1 J B	ND	ND	ND		ND	0.32 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	0.84 J B	ND	ND	ND	ND	ND	ND F2	ND	ND	ND	ND	ND
84-74-2	Di-n-butyl phthalate	50	(µg/L)	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	0.31 J
91-57-6	2-Methylnaphthalene	NS	(µg/L)	0.6 B J	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	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
193-39-5	Indeno[1,2,3-cd]pyrene	0.002 (G)	(µg/L)	ND	ND	ND	ND		ND	**0.61 J**	ND	ND	ND	ND	ND	ND F2	ND	ND	ND	ND	ND
91-20-3	Naphthalene	10 (G)	(µg/L)	4 J B	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
85-01-8	Phenathrene	50 (G)	(µg/L)	0.4 J B	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	1.2 JB	ND	ND	ND
129-00-0	Pyrene	50 (G)	(µg/L)	ND	ND	ND	ND		ND	0.48 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Total SVOCs			6.6	0.79	ND	0.31	NA	ND	8.92	ND	ND	ND	ND	ND	0.48	ND	1.2	ND	ND	0.31

Notes:
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Bold and shaded values exceed the NYSDEC Class GA groundwater standard/guidance value.
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B = Compound was found in the blank and sample.
E = Concentration exceeds method limit.
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-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4
			Lab Sample ID:	A8E30602	RSI0359-02	RTF0798-03	480-2185-3	Not Sampled	480-23574-1	480-38363-4	480-56775-4	480-70616-8	480-83621-1	480-101785-5	480-114997-1	480-125448-3	480-141984-4	480-155595-1	480-167684-6	480-177100-1	480-190061-1
			Source:	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA
			SDG:	A08-E150	RSI0296	RTF0798	480-2185		480-23574	480-38363	480-56775	480-70616	480-83621	480-101785	480-114997	480-125448	480-141984	480-155595	480-167684	480-177100	480-190061
			Matrix:	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	WATER
			Sampled:	11/10/08	09/10/09	06/10/10	03/03/11	12/23/11	08/07/12	05/15/13	03/27/14	11/03/14	07/09/15	06/16/16	03/22/17	10/05/17	09/19/18	06/26/19	03/18/20	10/22/20	9/23/2021
CAS NO.	**COMPOUND**		**UNITS:**																		
	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
	PCBs																				
	Aroclor 1248	All PCBs <0.09	(µg/L)	ND	**0.51**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA
	Total PCBs			ND	0.51	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA
	INORGANICS																				
7429-90-5	Aluminum	NS	(µg/L)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
7440-36-0	Antimony	3	(µg/L)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
7440-38-2	Arsenic	25	(µg/L)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
7440-39-3	Barium	1000	(µg/L)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
7440-41-7	Beryllium	3 (G)	(µg/L)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
7440-43-9	Cadmium	5	(µg/L)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
7440-70-2	Calcium	NS	(µg/L)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
7440-47-3	Chromium	50	(µg/L)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
7440-48-4	Cobalt	NS	(µg/L)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
7440-50-8	Copper	200	(µg/L)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
7439-89-6	Iron	300	(µg/L)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
7439-92-1	Lead	25	(µg/L)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
7439-95-4	Magnesium	35000 (G)	(µg/L)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
7439-96-5	Manganese	300	(µg/L)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
7439-97-6	Mercury	0.7	(µg/L)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
7440-02-0	Nickel	100	(µg/L)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
7440-09-7	Potassium	NS	(µg/L)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
7782-49-2	Selenium	10	(µg/L)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
7440-23-5	Sodium	20000	(µg/L)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
7440-28-0	Thallium	5 (G)	(µg/L)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
7440-62-2	Vanadium	NS	(µg/L)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
7440-66-6	Zinc	2000 (G)	(µg/L)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
57-12-5	Cyanide	200	(µg/L)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Total Inorganics			NA	NA	NA	NA	NA	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.
E = Concentration exceeds method limit.
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-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5
			Lab Sample ID:	162136	G5119	H1022	H7532	J8487	M0195	N5017	Q4026	R7321	S7323	T7108	V4312	Z7815	A7431	B4468	E1138	0508042-002A	0603100-004A
			Source:	Columbia	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OB	OB	OB	OB	OB	OB	LSL-BL
			SDG:	MW1	5116	6857	7830	9595	1489	3880	5512	7645	9270	764	2494	4203	5716	6968	6968	200508	6030950
			Matrix:	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
			Sampled:	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	08/05/05	03/22/06
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	4	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**	**47**	**33**
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	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	ND	2	ND	ND	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	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	3	ND
74-87-3	Chloromethane	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	2	ND	ND	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	3	1
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	2	1
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	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	**7**	2
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	**9**	4
	Total VOCs			3	31	163	193	209	190	32	65	135	97	91.5	131	84.5	56.5	10	29.2	75	44
	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	1 J	ND
105-67-9	2,4-Dimethylphenol	50	(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	5 J	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	1 J	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	1 J	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
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	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
85-68-7	Butyl benzyl phthalate	50 (G)	(µg/L)	1 J, B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	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
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	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
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	ND	1 J
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
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	ND	**2 J**
	Total SVOCs			11	20	54	42	38	41	6	25	36	15	15	22	36	15	ND	3	8	5

Notes:
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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:	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5
			Lab Sample ID:	162136	G5119	H1022	H7532	J8487	M0195	N5017	Q4026	R7321	S7323	T7108	V4312	Z7815	A7431	B4468	E1138	0508042-002A	0603100-004A
			Source:	Columbia	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OB	OB	OB	OB	OB	OB	LSL-BL
			SDG:	MW1	5116	6857	7830	9595	1489	3880	5512	7645	9270	764	2494	4203	5716	6968	6968	200508	6030950
			Matrix:	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
			Sampled:	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	08/05/05	03/22/06
CAS NO.	COMPOUND		UNITS:																		
	PESTICIDES																				
309-00-2	Aldrin	NS	(µg/L)	ND	ND	ND	ND	ND	0.0016 J, P	ND	0.0016 J, P	0.0031 J, P	ND	ND	0.044 J, P	ND	ND	ND	ND	*	*
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	*	*
72-54-8	4,4'-DDD	0.3	(µg/L)	ND	ND	ND	ND	ND	ND	ND	0.0033 J, P	ND	ND	ND	ND	ND	ND	ND	ND	*	*
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	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
	Total PCBs			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	INORGANICS																				
7429-90-5	Aluminum	NS	(µg/L)	114 B	2630	1100	503	634	499	1140	298	697 E	346	801	573	272	181 B	116 B	139 B	*	*
7440-36-0	Antimony	3	(µg/L)	ND	ND	ND	ND	2.9 B	2.5 B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*	*
7440-38-2	Arsenic	25	(µg/L)	15.6	11.4	11.4	10.5	10.1	8.6 B	7.9 B	9	9.8 B	7.5 B	11.5	11.5	10.7	9.4 B	7 B	7.4 B	*	*
7440-39-3	Barium	1000	(µg/L)	171 B	324	156 B	114 B	109 B	139 B	167 B	204	148	172 B	193 B	158 B	187 B	169 B	166 B	165 B	*	*
7440-41-7	Beryllium	3 (G)	(µg/L)	1.8 B	0.17 B	0.2 B	ND	0.17 B	0.19 B	0.19 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	ND	2.2 B	1.6 B	ND	ND	3.2 B	3.1 B	*	*
7440-22-4	Silver	50	(µg/L)	ND	0.92 B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*	*
7440-23-5	Sodium	20000	(µg/L)	**49800**	**47700**	**98000**	**108000**	**97600**	**102000**	**101000 E**	**76800**	**93400**	**85800**	**94700**	**95500 E**	**80500**	**70200**	**60500**	**66200**	*	*
7440-28-0	Thallium	.5 (G)	(µg/L)	**13.5**	**3.9 B**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*	*
7440-62-2	Vanadium	NS	(µg/L)	ND	8.5 B	9.9 B	9.6 B	8.6 B	8.9 B	9.9 B, E	4.8 B	8.5 B	6.3 B	9.3 B	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	NA	NA

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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-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5
			Lab Sample ID:	A7E98506	A8E30603	RSI0359-02	RTF0798-04	480-2185-4	480-14453-4	480-23574-2	480-38363-5	480-56775-5	480-70616-9	480-83528-8	480-101785-4	480-114997-2	480-125448-4	480-141984-5	480-155595-2	480-167684-7	480-177100-2	480-190061-2
			Source:	BM	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA
			SDG:	A07-E985	A08-E150	RSI0296	RTF0798	480-2185	480-14453	480-23574	480-38363	480-56775	480-70616	480-83528	480-101785	480-114997	480-125448	480-141984	480-155595	480-167684	480-177100	480-190061
			Matrix:	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	WATER
			Sampled:	12/26/07	11/10/08	09/10/09	06/10/10	03/03/11	12/23/11	08/07/12	05/15/13	03/27/14	11/03/14	07/08/15	06/16/16	03/22/17	10/05/17	09/18/18	06/26/19	03/18/20	10/22/20	9/23/2021
CAS NO.	COMPOUND		UNITS:																			
	VOLATILES																					
67-64-1	Acetone	50 (G)	(µg/L)	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	14 J F2
71-43-2	Benzene	1	(µg/L)	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	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
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
67-66-3	Chloroform	7	(µg/L)	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
100-41-4	Ethylbenzene	5	(µg/L)	ND	3 J	4.4 J	ND	2.3	1.2	**7.6**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
75-09-2	Methylene chloride	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.3 J	2.1 J	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
108-88-3	Toluene	5	(µg/L)	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	ND
1330-20-7	Xylene (total)	5	(µg/L)	**8**	**10 J**	**16**	**12 DO3**	**7.9**	**6.2**	**29**	**27**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Total VOCs			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	14
	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	ND	ND	ND	ND
105-67-9	2,4-Dimethylphenol	50	(µg/L)	ND	4 J	6.0	2.9 J	0.84 J	2.5 J	8.0	5.8 *	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
95-48-7	2-Methylphenol	1	(µg/L)	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	ND
106-44-5	4-Methylphenol	1	(µg/L)	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	ND
56-55-3	Benzo[a]anthracene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	**0.57 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	**0.60 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	0.35 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	0.86 J B	ND	1.9 J B	ND	ND	ND	ND	ND	ND	ND	ND	ND
84-66-2	Diethyl phthalate	50 (G)	(µg/L)	ND	1 J B	ND	ND	ND	ND	ND	0.36 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
84-74-2	Di-n-butyl phthalate	50	(µg/L)	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	ND
117-84-0	Di-n-octyl phthalate	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	0.64 J B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
91-20-3	Naphthalene	10 (G)	(µg/L)	ND	**11 B**	**23**	**17**	7.9	ND	**39**	**26 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	0.98 JB	ND	ND	0.49 (J)
108-95-2	Phenol	1	(µg/L)	ND	0.8 J	ND	ND	ND	ND	ND	**1.3 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Total SVOCs			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	0.49

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.
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:	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5
			Lab Sample ID:	A7E98506	A8E30603	RSI0359-02	RTF0798-04	480-2185-4	480-14453-4	480-23574-2	480-38363-5	480-56775-5	480-70616-9	480-83528-8	480-101785-4	480-114997-2	480-125448-4	480-141984-5	480-155595-2	480-167684-7	480-177100-2	480-190061-2
			Source:	BM	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA
			SDG:	A07-E985	A08-E150	RSI0296	RTF0798	480-2185	480-14453	480-23574	480-38363	480-56775	480-70616	480-83528	480-101785	480-114997	480-125448	480-141984	480-155595	480-167684	480-177100	480-190061
			Matrix:	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	WATER
			Sampled:	12/26/07	11/10/08	09/10/09	06/10/10	03/03/11	12/23/11	08/07/12	05/15/13	03/27/14	11/03/14	07/08/15	06/16/16	03/22/17	10/05/17	09/18/18	06/26/19	03/18/20	10/22/20	9/23/2021
CAS NO.	COMPOUND		UNITS:																			
	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)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
319-85-7	beta-BHC	0.04	(µg/L)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
72-54-8	4,4'-DDD	0.3	(µg/L)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
72-55-9	4,4'-DDE	0.2	(µg/L)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
50-29-3	4,4'-DDT	0.2	(µg/L)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
319-86-8	delta-BHC	0.04	(µg/L)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
60-57-1	Dieldrin	0.004	(µg/L)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
959-98-8	Endosulfan I	NS	(µg/L)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
33213-65-9	Endosulfan II	NS	(µg/L)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
1031-07-8	Endosulfan sulfate	NS	(µg/L)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
72-20-8	Endrin	NS	(µg/L)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
7421-93-4	Endrin aldehyde	5	(µg/L)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
58-89-9	gamma-BHC (Lindane)	0.05	(µg/L)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5103-74-2	gamma-Chlordane	0.05	(µg/L)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
76-44-8	Heptachlor	0.04	(µg/L)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
1024-57-3	Heptachlor epoxide	0.03	(µg/L)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
72-43-5	Methoxychlor	35	(µg/L)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Total Pesticides			NA	NA	NA	NA	NA	NA	NA	NA	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	NA	NA
	Total PCBs			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA
	INORGANICS																					
7429-90-5	Aluminum	NS	(µg/L)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
7440-36-0	Antimony	3	(µg/L)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
7440-38-2	Arsenic	25	(µg/L)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
7440-39-3	Barium	1000	(µg/L)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
7440-41-7	Beryllium	3 (G)	(µg/L)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
7440-43-9	Cadmium	5	(µg/L)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
7440-70-2	Calcium	NS	(µg/L)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
7440-47-8	Chromium	50	(µg/L)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
7440-48-4	Cobalt	NS	(µg/L)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
7440-50-8	Copper	200	(µg/L)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
7439-89-6	Iron	300	(µg/L)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
7439-92-1	Lead	25	(µg/L)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
7439-95-4	Magnesium	35000 (G)	(µg/L)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
7439-96-5	Manganese	300	(µg/L)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
7439-97-6	Mercury	0.7	(µg/L)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
7440-02-0	Nickel	100	(µg/L)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
7440-09-7	Potassium	NS	(µg/L)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
7782-49-2	Selenium	10	(µg/L)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
7440-22-4	Silver	50	(µg/L)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
7440-23-5	Sodium	20000	(µg/L)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
7440-28-0	Thallium	.5 (G)	(µg/L)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
7440-62-2	Vanadium	NS	(µg/L)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
7440-66-6	Zinc	2000 (G)	(µg/L)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
57-12-5	Cyanide	200	(µg/L)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Total Inorganics			NA	NA	NA	NA	NA	NA	NA	NA	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.
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:	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6
			Lab Sample ID:	162137	G5189	H1023	H7533	J8491	M0298	N4878	Q4027	R7179	S7280	T6911	V4636	Z7812	A7433	B4508	E1190	0508015-003A	0603108-002A	A7E98507
			Source:	Columbia	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OB	OB	OB	OB	OB	OB	TA
			SDG:	MW1	5116	6857	7830	9596	1516	3856	5512	7645	9259	739	2494	4203	5716	6968	6968	200508	6030950	A07-E985
			Matrix:	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
			Sampled:	08/12/97	11/20/97	02/20/98	05/29/98	10/23/98	04/21/99	11/09/99	04/28/00	12/14/00	06/19/01	12/12/01	06/19/02	12/18/02	06/24/03	12/18/03	06/09/04	08/01/05	03/23/06	12/26/07
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	2 J, B	3 J, B	2 J, B	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	ND	ND	ND	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	ND	ND	ND	ND
75-09-2	Methylene chloride	5	(µg/L)	ND	ND	ND	ND	ND	1 J, B	ND	ND	ND	ND	1 J, B	ND	1 J, B	ND	ND	0.6 J, B	0.7 J, B	0.8 J, B	ND
	Total VOCs			ND	ND	ND	ND	7	5	6	7	3	5	1	ND	5	1	ND	2.6	3.7	2.8	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	4 J	ND	ND	**17**
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
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	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	ND
207-08-9	Benzo[k]flouranthene	0.002 (G)	(µg/L)	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
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
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	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	ND	ND	0.4 J, B
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
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	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
	Total SVOCs			1	ND	ND	ND	ND	ND	ND	1	ND	3	1	ND	ND	ND	ND	4	ND	ND	17.4

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.
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 accptance limits. ISTD repsonse 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:	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6
			Lab Sample ID:	162137	G5189	H1023	H7533	J8491	M0298	N4878	Q4027	R7179	S7280	T6911	V4636	Z7812	A7433	B4508	E1190	0508015-003A	0603108-002A	A7E98507
			Source:	Columbia	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OB	OB	OB	OB	OB	OB	TA
			SDG:	MW1	5116	6857	7830	9596	1516	3856	5512	7645	9259	739	2494	4203	5716	6968	6968	200508	LSL-BL	6030950	A07-E985
			Matrix:	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
			Sampled:	08/12/97	11/20/97	02/20/98	05/29/98	10/23/98	04/21/99	11/09/99	04/28/00	12/14/00	06/19/01	12/12/01	06/19/02	12/18/02	06/24/03	12/18/03	06/09/04	08/01/05	03/23/06	12/26/07
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	ND	0.0014 J, P	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	ND	0.01 B, J, P	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	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
	Total PCBs			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	INORGANICS																					
7429-90-5	Aluminum	NS	(µg/L)	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	*	*	*
7440-43-9	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	NA	NA	NA

Notes:
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F2 = MS/MSD relative percent difference exceeds control limits.
* = LCS or LCSD is outside accptance limits. ISTD repsonse 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:	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	DUP (MW-6)	MW-6	MW-6	MW-6
			Lab Sample ID:	A8E30604	RSI0312-06	RTF0798-05	480-2185-5	480-14453-5	480-23574-3	480-38363-6	480-56775-6	480-70616-3	480-83521-2	480-101785-1	480-114997-3	480-125448-5	480-141984-6	480-155595-3	480-155595-10	480-167684-1	480-177100-3	480-190061-3
			Source:	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA
			SDG:	A08-E150	RSI0296	RTF0798	480-2185	480-14453	480-23574	480-38363	480-56775	480-70616	480-83528	480-101785	480-114997	480-125448	480-141984	480-155595	480-155595	480-167684	480-177100	480-190061
			Matrix:	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	WATER
			Sampled:	11/10/08	09/09/09	06/10/10	03/03/11	12/23/11	08/07/12	05/15/13	03/27/14	11/03/14	07/08/15	06/16/16	03/22/17	10/05/17	09/18/18	06/26/19	06/26/19	03/17/20	10/22/20	9/23/2021
CAS NO.	COMPOUND		UNITS:																			
	VOLATILES																					
67-64-1	Acetone	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.0 J	3.6 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	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
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
	Total VOCs			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.0	3.6	ND	ND	ND	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	ND	ND	ND	ND
56-55-3	Benzo[a]anthracene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	**0.75 J B**	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	**0.70 J B**	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	0.51 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
207-08-9	Benzo[k]flouranthene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	**0.82 J**	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	0.94 J B	ND	ND	ND	ND	ND F2	ND	ND	ND	ND	ND	ND	ND
218-01-9	Chrysene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	**0.31 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
84-66-2	Diethyl phthalate	50 (G)	(µg/L)	1 J B	ND	ND	ND	ND	ND	0.34 J	ND	ND	ND	ND	ND F2	ND	ND	ND	ND	ND	ND	ND
84-74-2	Di-n-butyl phthalate	50	(µg/L)	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 F2	0.38 J	ND	ND	ND	ND	ND	ND
117-84-0	Di-n-octyl phthalate	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	0.85 J B	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	1.1 JB	0.98 JB	ND	ND	ND
129-00-0	Pyrene	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	0.38 J	ND	ND	ND	ND	ND F2	ND	ND	ND	ND	ND	ND	ND
	Total SVOCs			0.3	ND	0.45	0.43	0.98	ND	6.35	0.39	ND	ND	ND	ND	0.38	ND	1.1	0.98	ND	ND	ND

Notes:
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B = Compound was found in the blank and sample.
F2 = MS/MSD relative percent difference exceeds control limits.
* = LCS or LCSD is outside accptance limits. ISTD repsonse 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:	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	DUP (MW-6)	MW-6	MW-6	MW-6
			Lab Sample ID:	A8E30604	RSI0312-06	RTF0798-05	480-2185-5	480-14453-5	480-23574-3	480-38363-6	480-56775-6	480-70616-3	480-83521-2	480-101785-1	480-114997-3	480-125448-5	480-141984-6	480-155595-3	480-155595-10	480-167684-1	480-177100-3	480-190061-3
			Source:	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA
			SDG:	A08-E150	RSI0296	RTF0798	480-2185	480-14453	480-23574	480-38363	480-56775	480-70616	480-83528	480-101785	480-114997	480-125448	480-141984	480-155595	480-155595	480-167684	480-177100	480-190061
			Matrix:	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	WATER
			Sampled:	11/10/08	09/09/09	06/10/10	03/03/11	12/23/11	08/07/12	05/15/13	03/27/14	11/03/14	07/08/15	06/16/16	03/22/17	10/05/17	09/18/18	06/26/19	06/26/19	03/17/20	10/22/20	9/23/2021
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
	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	NA	NA
	Total PCBs			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA
	INORGANICS																					
7429-90-5	Aluminum	NS	(µg/L)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
7440-36-0	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)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
7439-89-6	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	NA

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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-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7
			Lab Sample ID:	162138	G5190	H1024	H7534	J8492	M0299	N4879	Q4029	R7151	S7277	T6913	V4634	Z9833	A7552	B4509	E1192	0508015-001A	0603108-002A	A7E98508
			Source:	Columbia	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OB	OB	OB	OB	OB	OB	LSL-BL	TA
			SDG:	MW1	5116	6857	7830	9596	1516	3856	5512	7645	9259	739	2494	4203	5716	6968	6968	200508	6030950	A07-E985
			Matrix:	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
			Sampled:	08/12/97	11/20/97	02/20/98	05/29/98	10/23/98	04/21/99	11/09/99	04/28/00	12/13/00	06/18/01	12/12/01	06/19/02	12/19/02	06/25/03	12/18/03	06/09/04	08/01/05	03/23/06	12/26/07
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	4 J, B	2 J, B	ND
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	ND	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	2 J, B	1 J, B	ND
127-18-4	Tetrachloroethene	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	1 J	ND	ND	ND	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	ND	ND	ND
	Total VOCs			ND	ND	ND	ND	10	11	8	4	10	ND	0.9	1	4	30.5	ND	3.7	6	3	ND
	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	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	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	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	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	ND	ND	ND
117-81-7	bis(2-ethylhexyl)phthalate	5	(µg/L)	2 J, B	ND	ND	ND	ND	ND	ND	ND	4 J	ND	ND	ND	**11**	ND	ND	**18**	ND	ND	**37**
85-68-7	Butyl benzyl phthalate	50 (G)	(µg/L)	1 J, B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	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	ND	ND	0.4 J, B
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
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	ND
105-67-9	2,4-Dimethylphenol	50	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6 J	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	13	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	**4 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	1	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	**3 J**	ND	ND	ND	ND	ND	ND
91-20-3	Naphthalene	10 (G)	(µg/L)	10 J	8 J	3 J	1 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
108-95-2	Phenol	1	(µg/L)	**2J, B**	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	ND	ND	ND	ND	ND	26	ND	ND	ND	ND	ND	ND
	Total SVOCs			18	8	3	1	ND	ND	ND	ND	ND	4	ND	ND	109	ND	ND	18	ND	ND	37.4

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:	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7
			Lab Sample ID:	162138	G5190	H1024	H7534	J8492	M0299	N4879	Q4029	R7151	S7277	T6913	V4634	Z9833	A7552	B4509	E1192	0508015-001A	0603108-002A	A7E98508
			Source:	Columbia	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OB	OB	OB	OB	OB	OB	LSL-BL	TA
			SDG:	MW1	5116	6857	7830	9596	1516	3856	5512	7645	9259	739	2494	4203	5716	6968	6968	200508	6030950	A07-E985
			Matrix:	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
			Sampled:	08/12/97	11/20/97	02/20/98	05/29/98	10/23/98	04/21/99	11/09/99	04/28/00	12/13/00	06/18/01	12/12/01	06/19/02	12/19/02	06/25/03	12/18/03	06/09/04	08/01/05	03/23/06	12/26/07
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	*	*	*
72-55-9	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	ND	*	*	*
60-57-1	Dieldrin	0.004	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0027 J	ND	ND	ND	ND	ND	*	*	*
959-98-8	Endosulfan I	NS	(µg/L)	ND	ND	ND	ND	ND	0.0012 J, P	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*	*	*
33213-65-9	Endosulfan II	NS	(µg/L)	ND	ND	ND	0.00072 B, J, P	ND	ND	ND	ND	0.00089 J, P	ND	ND	ND	ND	ND	ND	ND	*	*	*
1031-07-8	Endosulfan sulfate	NS	(µg/L)	ND	ND	0.0033 J, P	ND	ND	ND	ND	ND	0.1 J, P	ND	ND	ND	ND	ND	ND	ND	*	*	*
7421-93-4	Endrin aldehyde	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.021 B, J	ND	ND	0.004 B, J	ND	ND	*	*	*
53494-70-5	Endrin ketone	5	(µg/L)	ND	ND	ND	ND	0.0013	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*	*	*
58-89-9	gamma-BHC (Lindane)	0.05	(µg/L)	ND	ND	0.0055 J	0.00091 J, P	ND	ND	0.012 J, P	0.0029 J, P	ND	ND	0.0039 J	ND	ND	ND	ND	ND	*	*	*
5103-74-2	gamma-Chlordane	0.05	(µg/L)	ND	ND	ND	0.0042 B, J, P	0.0037	0.008 J, P	ND	0.0042 J, P	ND	ND	ND	ND	ND	ND	ND	0.0024 B, J, P	*	*	*
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	NA	NA	NA
	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	ND	ND	ND
	Total PCBs			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	INORGANICS																					
7429-90-5	Aluminum	NS	(µg/L)	122	24900	1540	398	189 B	316	711	1730	544 E	79.1 B	265	582	304	315	224	329	*	*	*
7440-36-0	Antimony	3	(µg/L)	ND	**8.6 B**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*	*	*
7440-38-2	Arsenic	25	(µg/L)	24.2	**52.2**	ND	ND	ND	ND	ND	14	6.4 B	15.5	25	19.9	21.3	15.8	20.9	16.8	*	*	*
7440-39-3	Barium	1000	(µg/L)	246	637	543	612	616	575	614	626	538	374	388	375	369	360	348	362	*	*	*
7440-41-7	Beryllium	3 (G)	(µg/L)	1.2 B	1.8 B	0.13 B	ND	ND	ND	0.26 B	0.19 B	0.33 B	ND	0.11 B	0.22 B	ND	ND	ND	ND	*	*	*
7440-43-9	Cadmium	5	(µg/L)	4 B	1.1 B	ND	ND	ND	ND	ND	ND	ND	ND	0.62 B	ND	ND	ND	ND	ND	*	*	*
7440-70-2	Calcium	NS	(µg/L)	60800	214000	104000	106000	103000	110000	111000	120000	125000	107000	112000	112000	109000	109000	108000	114000	*	*	*
7440-47-8	Chromium	50	(µg/L)	ND	**77.2**	7.4 B	ND	6.3 B	8.5 B	7.4 B, E	16.8	12.2	6.6 B	8.7 B	4.6 B, E	11.5	5.7 B	ND	4.9 B	*	*	*
7440-48-4	Cobalt	NS	(µg/L)	ND	17.6 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	12600	10700	12000	11200	*	*	*
7782-49-2	Selenium	10	(µg/L)	ND	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3 B	ND	*	*	*
7440-22-4	Silver	50	(µg/L)	1.4 B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*	*	*
7440-23-5	Sodium	20000	(µg/L)	**22800**	**26100**	**22300**	**20900**	**22100**	**23700**	**25700 E**	**27000**	**22900**	**23500**	**24800**	**27800 E**	**27200**	**26700**	**27700**	**28900**	*	*	*
7440-28-0	Thallium	.5 (G)	(µg/L)	ND	**6.9 B**	**3.6 B**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*	*	*
7440-62-2	Vanadium	NS	(µg/L)	ND	42.5 B	3.4 B	1.8 B	ND	1.4 B	2.2 B, E	4.3 B	1.6 B	1.2 B	1.7 B	1.4 B	1.8 B	1.4 B	ND	ND	*	*	*
7440-66-6	Zinc	2000 (G)	(µg/L)	62.7	307	15.1 B	13.4 B	23.2	18.2 B	18.3 B	45.4	13.1 B	10 B	20.2	12.2 B	20.4	31.6	1.8 B	38.1	*	*	*
57-12-5	Cyanide	200	(µg/L)	7.4	31	13	ND	ND	ND	ND	ND	ND	ND	10.2	ND	11.8	14.4	13.4	ND	*	*	*
	Total Inorganics			118,854.90	391,361.90	164,978.53	162,364.50	159,859.10	171,244.30	177,570.96	376,576.19	193,741.03	184,281.00	198,969.03	194,793.32	189,246.10	183,828.50	184,688.10	191,541.10	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:	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7
			Lab Sample ID:	A8E15004	RSI0312-05	RTF0798-06	480-2185-6	480-14453-6	480-23574-4	480-38363-7	480-56775-7	480-70616-4	480-83528-4	480-101785-3	Not Sampled	Not Sampled	480-141984-7	Not Sampled	480-167684-2	Not Sampled	Not Sampled
			Source:	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA			TA		TA		
			SDG:	A08-E150	RSI0296	RTF0798	480-2185	480-14453	480-23574	480-38363	480-56775	480-70616	480-83528	480-101785			480-141984		480-167684		
			Matrix:	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
			Sampled:	11/06/08	09/09/09	06/10/10	03/03/11	12/23/11	08/07/12	05/15/13	03/27/14	11/03/14	07/08/15	06/16/16	03/22/17	10/05/17	09/19/18	06/26/19	03/17/20	10/22/20	09/23/21
CAS NO.	COMPOUND		UNITS:																		
	VOLATILES																				
67-64-1	Acetone	50 (G)	(µg/L)	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		
75-09-2	Methylene chloride	5	(µg/L)	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		
1330-20-7	Xylene (total)	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			ND		ND		
	Total VOCs			ND	ND	ND	ND	ND	ND	ND	3.4	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA
	SEMIVOLATILES																				
56-55-3	Benzo[a]anthracene	20 (G)	(µg/L)	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	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	**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	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	**1.1 J**	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		
85-68-7	Butyl benzyl phthalate	50 (G)	(µg/L)	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	**0.45 J**	ND	ND	ND	ND			ND		ND		
84-74-2	Di-n-butyl phthalate	50	(µg/L)	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	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	0.44 J	ND	ND	ND	ND			ND		ND		
105-67-9	2,4-Dimethylphenol	50	(µg/L)	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		
193-39-5	Indeno[1,2,3-cd]pyrene	0.002 (G)	(µg/L)	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		
106-44-5	4-Methylphenol	1	(µg/L)	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		
108-95-2	Phenol	1	(µg/L)	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	0.56 J	ND	ND	ND	ND			ND		ND		
	Total SVOCs			0.3	ND	ND	0.41	1.0	ND	9.61	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA

Notes:
NYSDEC June 1998 Ambient Water Quality Standards and Guidance Values for Groundwater Class GA.
Bold and shaded values exceed the NYSDEC Class GA groundwater standard/guidance value.
NS = No Standard
(G) = Guidance Value
ND = Concentration was not detected at or above the reporting limit.
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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:	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7
			Lab Sample ID:	A8E15004	RSI0312-05	RTF0798-06	480-2185-6	480-14453-6	480-23574-4	480-38363-7	480-56775-7	480-70616-4	480-83528-4	480-101785-3	Not Sampled	Not Sampled	480-141984-7	Not Sampled	480-167684-2	Not Sampled	Not Sampled
			Source:	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA			TA		TA		
			SDG:	A08-E150	RSI0296	RTF0798	480-2185	480-14453	480-23574	480-38363	480-56775	480-70616	480-83528	480-101785			480-141984		480-167684		
			Matrix:	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
			Sampled:	11/06/08	09/09/09	06/10/10	03/03/11	12/23/11	08/07/12	05/15/13	03/27/14	11/03/14	07/08/15	06/16/16	03/22/17	10/05/17	09/19/18	06/26/19	03/17/20	10/22/20	09/23/21
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	0.2	(µg/L)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
60-57-1	Dieldrin	0.004	(µg/L)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
959-98-8	Endosulfan I	NS	(µg/L)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
33213-65-9	Endosulfan II	NS	(µg/L)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
1031-07-8	Endosulfan sulfate	NS	(µg/L)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
7421-93-4	Endrin aldehyde	5	(µg/L)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
53494-70-5	Endrin ketone	5	(µg/L)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
58-89-9	gamma-BHC (Lindane)	0.05	(µg/L)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5103-74-2	gamma-Chlordane	0.05	(µg/L)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
1024-57-3	Heptachlor epoxide	0.03	(µg/L)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
72-43-5	Methoxychlor	35	(µg/L)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Total Pesticides			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	PCBs																				
	PCB-1242	All PCBs <0.09	(µg/L)	ND	ND	ND	ND	ND	**1.5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Total PCBs			ND	ND	ND	ND	ND	**1.5**	NA	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	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:
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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:	RW-4	RW-4	RW-4	RW-4	RW-4	RW-4	RW-4	RW-4	RW-4	RW-4	RW-4	RW-4	RW-4	RW-4	RW-4	RW-4	RW-4	RW-4	RW-4	RW-4	RW-4
			Lab Sample ID:	0508082-002A	0603110-002A	A7E98509	A8E15005	RSI0296-01	RTF0903-02	480-2185-8	480-14402-1	480-23574-5	480-38452-6	480-56862-6	480-70664-1	480-83621-2	480-101880-1	480-114997-9	480-125448-7	480-141984-8	480-155595-4	480-167686-6	480-177100-9	480-190061-4
			Source:	OB	LSL-BL	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA
			SDG:	200508	6030950	A07-E985	A08-E150	RSI0296	RTF0798	480-2185	480-14402	480-23574	480-38452	480-56862	480-70664	480-83621	480-101880	480-114997	480-125448	480-141984	480-155595	480-167686	480-177100	480-190061
			Matrix:	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	WATER
			Sampled:	08/11/05	03/24/06	12/27/07	11/05/08	09/08/09	06/14/10	03/03/11	12/22/11	08/07/12	05/16/13	03/28/14	11/04/14	07/09/15	06/17/16	03/23/17	10/05/17	09/19/18	06/27/19	03/19/20	10/23/20	9/24/2021
CAS NO.	COMPOUND		UNITS:																					
	VOLATILES																							
67-64-1	Acetone	50 (G)	(µg/L)	5 J, B	1 J B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.1 J	6.2 J	ND	ND	ND	ND
71-43-2	Benzene	1	(µg/L)	**4 J**	ND	ND	ND	ND	ND	ND	**9.9**	**6.5**	**13**	**1.3**	**14**	0.60 J	ND	ND	ND	ND	**6.0**	**11**	**12**	ND
75-15-0	Carbon Disulfide	60 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	0.52 J B	ND	ND	ND	ND	ND	ND	ND	ND	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
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**	ND
75-09-2	Methylene chloride	5	(µg/L)	0.9 J B	0.9 J B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.3 J	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	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	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	ND
	Total VOCs			12.3	1.9	ND	ND	ND	ND	ND	13.94	11.95	23.1	10.9	26	2.2	1.6	1.7	3.1	7.5	6	36.7	20.8	ND
	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	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	ND
208-96-8	Acenaphthylene	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.49 J	0.61 J	0.70 J	0.46 J	ND	ND	ND	ND	ND	ND	0.58 J	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	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	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	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	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	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	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	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	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	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	ND
84-66-2	Diethyl phthalate	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.41 J	0.27 J	0.29 J	0.70 J	0.77 J	ND	0.26 J	0.31 J	1.9 J	1.2 J
81-74-2	Di-n-butyl phthalate	50	(µg/L)	ND	2 J	ND	ND	ND	ND	0.37 J	ND	ND	0.29 J	0.48 J B	ND	ND	ND	0.39 J	1.2 J	ND	ND	ND	ND	0.35 J
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	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	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	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	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	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	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	ND
100-02-7	4-Nitrophenol		(µg/L)	ND	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	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	ND	1.1 JB	ND	ND	ND
108-95-2	Phenol	1	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.57 J	ND	ND	ND	ND	ND	ND	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	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	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	1.55
	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	NA
	Total PCBs			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA

Notes:
NYSDEC June 1998 Ambient Water Quality Standards and Guidance Values for Groundwater Class GA.
Bold and shaded values exceed the NYSDEC Class GA groundwater standard/guidance value.
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(G) = Guidance Value
ND = Concentration was not detected at or above the reporting limit.
J = Result is less than the Reporting Limit but greater than or equal to the Method Detection Limit and the concentration is an approximate value.
B = Compound was found in the blank and sample.
* = LCS or LCSD is outside accptance limits. ISTD repsonse 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:	RW-5	RW-5	RW-5	RW-5	RW-5	RW-5	RW-5	RW-5	RW-5	RW-5	RW-5	RW-5	RW-5	RW-5	RW-5	RW-5	RW-5	RW-5	RW-5	RW-5
			Lab Sample ID:	0508082-001A	0603110-001A	A7E985010	A8E15006	RSI0296-05	RTF0903-03	480-2185-9	480-14402-2	480-23574-6	480-38452-7	480-56862-7	480-70664-2	480-83621-3	480-101880-2	480-114997-10	480-125448-8	480-141984-9	480-155595-5	480-167686-7	480-177100-10	480-190061-5
			Source:	OB	LSL-BL	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA
			SDG:	200508	6030950	A07-E985	A08-E150	RSI0296	RTF0798	480-2185	480-14402	480-23574	480-38452	480-56862	480-70664	480-83621	480-101880	480-114997	480-125448	480-141984	480-155595	480-167686	480-177100	480-190061
			Matrix:	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	WATER
			Sampled:	08/11/05	03/24/06	12/27/07	11/05/08	09/08/09	06/14/10	03/03/11	12/22/11	08/07/12	05/16/13	03/28/14	11/04/14	07/09/15	06/17/16	03/23/17	10/05/17	09/18/18	06/27/19	03/19/20	10/23/20	9/24/2021
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	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 F1 F2	ND	ND	0.58 J	ND
75-15-0	Carbon Disulfide	60 (G)	**(µg/L)**	ND	ND	ND	ND	ND	ND	ND	0.56 J B	ND	ND	ND	ND	ND	ND	ND	ND	ND F2	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
100-41-4	Ethylbenzene	5	**(µg/L)**	**12**	ND	ND	ND	ND	ND	ND	ND	**15**	ND	ND	ND	ND	ND	ND	ND	ND F2	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 F2	ND	ND	ND	ND
100-42-5	Styrene	5	**(µg/L)**	**10**	d	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 F2	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 F2	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	ND
	SEMIVOLATILES																							
120-12-7	Anthracene	50 (G)	**(µg/L)**	ND	ND	ND	ND	ND	ND	ND	0.64 J	ND	ND	ND	ND	ND	ND	ND	ND	0.37 J	ND	ND	ND	ND
208-96-8	Acenaphthylene	NS	**(µg/L)**	5 J	ND	ND	ND	ND	ND	ND	ND	0.77 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
56-55-3	Benzo(a)anthracene	0.002 (G)	**(µg/L)**	ND	ND	ND	ND	ND	ND	ND	**0.72 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
50-32-8	Benzo(a)pyrene	NS	**(µg/L)**	ND	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	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	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	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	ND	3.2 J	ND	ND	ND	3.8 J	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	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	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	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	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	ND	ND	0.26 J	ND	ND	ND	ND	0.26 J	ND	ND	ND	0.74 J	1.6 J
105-67-9	2,4-Dimethylphenol	50	**(µg/L)**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.0 J	ND	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	ND	ND
117-84-0	Di-n-octyl-phthalate	50 (G)	**(µg/L)**	ND	ND	ND	ND	ND	ND	ND	3.0 J	ND	ND	ND	ND	ND	ND	ND	ND	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	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	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	ND
206-44-0	Fluoranthene	50 (G)	**(µg/L)**	ND	ND	ND	ND	ND	ND	ND	0.69 J	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	**0.55 J**	ND	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	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	ND
91-20-3	Naphthalene	10 (G)	**(µg/L)**	**430 E**	ND	ND	ND	ND	ND	ND	ND	8.8	ND	ND	**15**	ND	1.3 J	ND	ND	3.4 J	ND	ND	ND	ND
85-01-8	Phenanthrene	50 (G)	**(µg/L)**	ND	ND	ND	ND	ND	ND	ND	0.89 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.1 JB	ND	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	ND
129-00-0	Pyrene	50 (G)	**(µg/L)**	ND	ND	ND	ND	ND	ND	ND	0.76 J	ND	ND	ND	ND	ND	ND	ND	ND	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	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	1.6
	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	NA
	Total PCBs			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA

Notes:
NYSDEC June 1998 Ambient Water Quality Standards and Guidance Values for Groundwater Class GA.
Bold and shaded values exceed the NYSDEC Class GA groundwater standard/guidance value.
NS = No Standard
(G) = Guidance Value
ND = Concentration was not detected at or above the reporting limit.
J = Result is less than the Reporting Limit but greater than or equal to the Method Detection Limit and the concentration is an approximate value.
B = Compound was found in the blank and sample.
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 1997-2021)

Appendix B-3

Sump Historically Detected Compounds

Cherry Farm Sump Samples Historically Detected Compounds		NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID:	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	S-1	S-1
			Lab Sample ID:	G5093	H0918	H7400	J8341	M0193	N4877	A9751104	Q3849	R7180	S7322	T7106	V4632	Z7813	A7429	B4467	E1135	0508015-006A	0603095-002A	A7E985011
			Source:	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OB	OB	OB	OB	OB	OB	LSL-BL	TA
			SDG:	5116	6847	7810	9571	1489	3856	11090	5490	7645	9270	764	2494	4203	5716	6968	6968	200508	6030950	A07-E985
			Matrix:	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
			Sampled:	11/20/1997	2/18/1998	5/28/1998	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	3/21/2006	12/27/2007
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	5 J, B	ND
71-43-2	Benzene	1	(µg/L)	ND	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	3 J	ND	ND	2 J	ND	ND	2 J	ND	ND	ND
75-15-0	Carbon disulfide	60 (G)	(µg/L)	ND	ND	ND	ND	7 J	ND		ND	ND	ND	ND	15	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	0.8 J	ND	ND	0.6 J	0.7 J	0.8 J	3 J
75-00-3	Chloroethane	5	(µg/L)	ND	ND	ND	ND	ND	ND		ND	ND	1 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
74-87-3	Chloromethane	5	(µg/L)	ND	ND	ND	ND	ND	ND		ND	ND	2 J	ND	ND	ND	ND	ND	ND	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	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	2 J	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	ND
108-10-1	4-Methyl-2-pentanone	NS	(µg/L)	3 J	2 J	ND	2 J	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	0.6 J	ND	ND	ND
75-09-2	Methylene chloride	5	(µg/L)	ND	ND	ND	2 J	ND	ND		ND	ND	1 J	0.6 J, B	2 J	0.7 J, B	0.5 J	ND	1 J, B	0.9 J, B	1 J, B	ND
127-18-4	Tetrachloroethene	5	(µg/L)	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)	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	0.7 J	ND	ND
79-01-6	Trichloroethene	5	(µg/L)	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	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
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	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	8.8	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	ND	1 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	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	ND	0.8 J
56-55-3	Benzo[a]anthracene	.002 (G)	(µg/L)	17	**94 E**	2 J	**420 D**	**310 D**	**78 J, D**	**160,000 J**	**170 J, D**	**33 J, D**	**52 J, D**	**29 J, D**	**29 J, D**	ND	**90 J, D**	**56 D**	13	12	61 J	0.4 J
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	62 J	ND
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**	**100 J**	ND
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	33 J	ND
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**	**38 J**	ND
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**	**76 J**	ND
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	ND	2 J
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**	**54 J**	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	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
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	ND	ND
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	ND	0.7 J
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	ND	1 J B
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	ND	2 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	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	ND
105-67-9	2,4-Dimethylphenol	50	(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	ND	8
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	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	**140 J**	0.4 J
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	ND	1 J
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**	**32 J**	ND
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	ND	0.6 J
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	ND	0.2 J
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	ND	ND	ND
91-20-3	Naphthalene	10 (G)	(µg/L)	3 J	5 J	2 J	**65 J, D**	6 J, D	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2 J
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	Pentachlorophenol	5	(µg/L)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**9 J**
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	ND	1 J
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**	ND	ND
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	**190 J**	0.8 J
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	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	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	786.0	30.9

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 Historically Detected Compounds		NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID:	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	S-1	S-1
			Lab Sample ID:	G5093	H0918	H7400	J8341	M0193	N4877	A9751104	Q3849	R7180	S7322	T7106	V4632	Z7813	A7429	B4467	E1135	0508015-006A	0603095-002A	A7E985011
			Source:	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OB	OB	OB	OB	OB	OB	OB	TA
			SDG:	5116	6847	7810	9571	1489	3856	11090	5490	7645	9270	764	2494	4203	5716	6968	6968	200508	6030950	A07-E985
			Matrix:	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
			Sampled:	11/20/1997	2/18/1998	5/28/1998	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	3/21/2006	12/27/2007
CAS NO.	COMPOUND		UNITS:																			
	PESTICIDES																					
309-00-2	Aldrin	NS	(ug/L)	ND	ND	0.008 J, P	ND	ND	0.038 J, P		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
319-84-6	alpha-BHC	0.01	(ug/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**	ND	ND
319-85-7	beta-BHC	0.04	(ug/L)	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	(ug/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	ND	ND
58-89-9	gamma-BHC (Lindane)	0.05	(ug/L)	ND	ND	ND	ND	ND	ND		ND	ND	ND	**0.28 P**	**1.3 P**	ND	ND	**0.092 J, P**	**0.2 J, P**	**0.46 P**	0.19 J	0.030 J
5103-71-9	alpha-Chlordane	0.05[1]	(ug/L)	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	**0.096 J, P**	ND	ND	**0.22 J, P**	ND	ND
5103-74-2	gamma-Chlordane	0.05[1]	(ug/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**		0.012 J
72-54-8	4,4'-DDD	0.3	(ug/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	ND	ND
72-55-9	4,4'-DDE	0.2	(ug/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**	**1.4 P**	ND
50-29-3	4,4'-DDT	0.2	(ug/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	ND	ND
60-57-1	Dieldrin	0.004	(ug/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	ND	**0.023 J**
959-98-8	Endosulfan I	NS	(ug/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	ND	ND
33213-65-9	Endosulfan II	NS	(ug/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	ND	ND
1031-07-8	Endosulfan sulfate	NS	(ug/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	0.48 J, P	ND
72-20-8	Endrin	NS	(ug/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	0.9 J	ND
7421-93-4	Endrin aldehyde	5	(ug/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	ND	ND
53494-70-5	Endrin ketone	5	(ug/L)	ND	ND	ND	ND	ND	ND		ND	ND	ND	0.069 J, P	**8.7 P**	ND	0.46 J, P	0.87 P	ND	0.23 J, P	0.16 J, P	ND
76-44-8	Heptachlor	0.04	(ug/L)	ND	**0.39 P**	ND	ND	ND	ND		ND	ND	ND	ND	**5.3 E, P**	ND	**0.26 P**	**0.41 P**	**0.78 P**	ND	ND	ND
1024-57-3	Heptachlor epoxide	0.03	(ug/L)	ND	ND	0.0057 J, P	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
72-43-5	Methoxychlor	35	(ug/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	ND	ND
	Total Pesticides			1.5	20.9	0.3	3.8	4.7	1.1	NA	1.3	2.1	4.9	7.9	39.2	2.8	7.7	5.1	4.8	10.8	3.1	0.065
	PCBs																					
53469-21-9	Aroclor-1242	Sum of all PCBs < 0.09	(ug/L)	ND	ND	**0.88 J, P**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**58 P**	**0.62**
12672-29-6	Aroclor-1248		(ug/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**	**240 P**	**30**	ND
11097-69-1	Aroclor-1254		(ug/L)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11096-82-5	Aroclor-1260		(ug/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**	**130 P**	ND	ND
	Total PCBs			50.4	430	3.28	128	146	28.2	450,000	82	65	238	163	600	76	100	49	77	370	88	0.62
	INORGANICS																					
7429-90-5	Aluminum	NS	(ug/L)	142 B	1090	30.2 B	5870	2390	859		1920	6890 E	3290	18300	85.4 B	3380	4920	23300		4500	11200	89.0 B
7440-36-0	Antimony	3	(ug/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	**4.8 B**	ND
7440-38-2	Arsenic	25	(ug/L)	4.7 B	5.8 B	10.2	20.6	10.4	14.1		7.6 B	23.4	7.8 B	13.2	4.9 B	13.3	**33.7**	**96.1**		12.6	**27.7**	ND
7440-39-3	Barium	1,000	(ug/L)	187 B	196 B	151 B	463	332	490		278	468	313	**1,080**	179 B	292	441	519		190 B	238	190
7440-41-7	Beryllium	3 (G)	(ug/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	0.37 B	ND
7440-43-9	Cadmium	5	(ug/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	1.1 B	ND
7440-70-2	Calcium	NS	(ug/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	158,000	84,900
7440-47-8	Chromium	50	(ug/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**		21.7	**139**	ND
7440-48-4	Cobalt	NS	(ug/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	6.2 B	ND
7440-50-8	Copper	200	(ug/L)	7.4 B	5.3 B	4 B	115	79.1	3 B		6.5 B	23.4 B	7.7 B	11.5 B	2.3 B	21.1 B	66.4	**318**		53	189	ND
7439-89-6	Iron	300	(ug/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**	**29,800**	**8,990**
7439-92-1	Lead	25	(ug/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**	**65.1**	ND
7439-95-4	Magnesium	35,000 (G)	(ug/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	13,900	19,900
7439-96-5	Manganese	300	(ug/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**	**929 E**	**917**
7439-97-6	Mercury	0.7	(ug/L)	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND		ND	0.086 B	ND
7440-02-0	Nickel	100	(ug/L)	7.7 B	17 B	8.1 B	28.9 B	18.2 B	33.5 B, E		45.3	28.6 B	12.4 B	**102**	2 B	14.1 B	35.7 B	**310**		33.7 B	**118**	ND
7440-09-7	Potassium	NS	(ug/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	21,900	19,000
7782-49-2	Selenium	10	(ug/L)	ND	ND	ND	2.9 B	ND	ND		ND	ND	ND	3.4 B	ND	ND	ND	9.5		ND	ND	ND
7440-22-4	Silver	50	(ug/L)	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND		ND	1.6 B	1.0 B
7440-23-5	Sodium	20,000	(ug/L)	**116,000**	**110,000**	**93,300**	**93,000**	**138,000**	**145,000 E**		**121,000**	**118,000**	**125,000**	**124,000**	**99,700 E**	**103,000**	**108,000**	**91,800**		**88,800**	**60,400**	**67,100**
7440-28-0	Thallium	0.5 (G)	(ug/L)	ND	**4.1 B**	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND
7440-62-2	Vanadium	NS	(ug/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	42.2 B	ND
7440-66-6	Zinc	2,000 (G)	(ug/L)	15.8 B	157	23.7	384	138	149		205	197	164	1340	13.6 B	133	270	1200		126	399	ND
57-12-5	Cyanide	200	(ug/L)	14.9	ND	ND	ND	ND	ND		ND	ND	ND	12.6	ND	ND	5.5 B	ND		15.3	6.5 B	ND
	Total Inorganics			191,505	192,763	171,398	399,024	339,818	459,641	NA	277,906	350,375	294,858	785,866	221,666	246,451	501,338	538,256	NA	213,072	297,368	201,087

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:	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1
			Lab Sample ID:	A8E30606	RSI0312-01	RTF0860-02	480-2227-1	480-14339-1	480-23637-1	480-38452-3	480-56862-1	480-70664-3	480-83621-4	480-101674-4	480-114997-5	480-125448-9	480-141984-10	480-155595-6	480-167686-2	480-177100-4	480-190061-6
			Source:	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA
			SDG:	A08-E150	RSI0296	RTF0798	480-2185	480-14339	480-23637	480-38452	480-38452	480-38452	480-83621	480-101674	480-114997	480-125448	480-141984	480-155595	480-167686	480-177100	480-190061
			Matrix:	Water	Water	Water	Water	Water	water	water	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
			Sampled:	11/10/2008	9/9/2009	6/11/2010	3/4/2011	12/21/2011	8/8/2012	5/16/2013	3/28/2014	11/4/2014	7/9/2015	6/15/2016	3/23/2017	10/6/2017	9/17/2018	6/27/2019	3/18/2020	10/22/2020	9/23/2021
CAS NO.	COMPOUND		UNITS:																		
	VOLATILES																				
67-64-1	Acetone	50 (G)	(µg/L)	ND	5.5	ND	ND	ND	4.1 J	ND	ND	3.0 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
71-43-2	Benzene	1	(µg/L)	ND	ND	ND	ND	0.44 J	0.41 J	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	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
108-90-7	Chlorobenzene	5	(µg/L)	ND	ND	ND	**6.0**	**10**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
75-00-3	Chloroethane	5	(µg/L)	ND	ND	ND	1.1	ND	0.69 J	ND	ND	0.66 J	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
75-34-3	1,1-Dichloroethane	5	(µg/L)	ND	0.50 J	ND	0.44 J	ND	ND	ND	ND	ND	ND	ND	ND	2.2	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	-	-	-	-	-	-	-
540-59-0	1,2-Dichloroethene (total)	NS	(µg/L)	ND	4.8	4.0 DO3, J	ND	ND	ND	ND	ND	ND	ND	3.4	ND	1.7 J	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)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**5.3 J**	ND	ND	ND	ND
127-18-4	Tetrachloroethene	5	(µg/L)	ND	ND	ND	ND	ND	0.49 J	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	ND	ND
79-01-6	Trichloroethene	5	(µg/L)	ND	0.66 J	ND	ND	ND	ND	ND	ND	ND	ND	0.46 J	ND	ND	ND	ND	ND	ND	ND
75-01-4	Vinyl chloride	2	(µg/L)	ND	0.59 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)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Total VOCs			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	ND
	SEMIVOLATILES																				
83-32-9	Acenaphthene	20 (G)	(µg/L)	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	ND
208-96-8	Acenaphthylene	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.46 J	ND	ND	ND	ND	ND
120-12-7	Anthracene	50(G)	(µg/L)	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	ND
56-55-3	Benzo[a]anthracene	.002 (G)	(µg/L)	ND	32 J D12	ND	ND	ND	0.74 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
50-32-8	Benzo[a]pyrene	NS	(µg/L)	**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	ND
205-99-2	Benzo[b]fluoranthene	0.002 (G)	(µg/L)	**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	ND
191-24-2	Benzo[g,h,i]perylene	NS	(µg/L)	0.2 J B	ND	ND	ND	ND	0.65 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
207-08-9	Benzo[k]fluoranthene	0.002 (G)	(µg/L)	ND	**26 J D12**	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	**110 D12**	ND	2.9 J	ND	**6.3**	ND	ND	3.7 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
86-74-8	Carbazole	NS	(µg/L)	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	ND
218-01-9	Chrysene	0.002 (G)	(µg/L)	ND	**27 J D12**	ND	ND	ND	**0.73 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
84-74-2	Di-n-butyl phthalate	50	(µg/L)	0.7 J B	ND	ND	1.3 J	ND	0.80 J	0.98 J	0.41 J	0.48 J	ND	ND	0.34 J	0.46 J	0.34 J	ND	ND	ND	0.38 J
117-84-0	Di-n-octyl phthalate	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	2.5 J	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
132-64-9	Dibenzofuran	NS	(µg/L)	ND	ND	ND	0.92 J	1.0 J	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	0.82 J	0.89 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
106-46-7	1,4-Dichlorobenzene	3	(µg/L)	0.3 J B	ND	0.53 J	1.5 J	1.9 J	ND	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
84-66-2	Diethyl phthalate	50 (G)	(µg/L)	1 J B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.27 J
105-67-9	2,4-Dimethylphenol	50	(µg/L)	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	ND
131-11-3	Dimethyl phthalate	50 (G)	(µg/L)	ND	ND	ND	ND	8.3	ND	0.45 J	ND	ND	ND	ND	ND	ND	1.2 J	ND	ND	ND	ND
206-44-0	Fluoranthene	50 (G)	(µg/L)	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	ND
86-73-7	Fluorene	50 (G)	(µg/L)	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	ND
193-39-5	Indeno[1,2,3-cd]pyrene	0.002 (G)	(µg/L)	**0.2 J B**	ND	ND	ND	ND	**0.54 J**	ND	ND	**0.47 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND
91-57-6	2-Methylnaphthalene	NS	(µg/L)	ND	ND	ND	ND	ND	0.72 J	ND	ND	ND	ND	ND	ND	0.72 J	ND	ND	ND	ND	ND
95-48-7	2-Methylphenol	1	(µg/L)	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**	ND
106-44-5	4-Methylphenol	1	(µg/L)	ND	ND	ND	ND	ND	ND	0.47 J	ND	1.0 J	ND	ND	ND	**43**	ND	ND	ND	ND	ND
91-20-3	Naphthalene	10 (G)	(µg/L)	0.3 J, B	ND	ND	1.1 J	1.8 J	ND	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
87-86-5	Pentachlorophenol	5	(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	ND	ND	ND	ND	0.75 J	ND	ND	ND	ND	ND	ND	0.61 J	ND	1.0 JB	ND	ND	0.52 J
108-95-2	Phenol	1	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	0.81 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
129-00-0	Pyrene	50 (G)	(µg/L)	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	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
95-95-4	2,4,5-Trichlorophenol	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.4 J	ND	ND	ND	ND	ND
	Total SVOCs			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	1.17

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 Historically Detected Compounds		NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID:	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1
			Lab Sample ID:	A8E30606	RSI0312-01	RTF0860-02	480-2227-1	480-14339-1	480-23637-1	480-38452-3	480-56862-1	480-70664-3	480-83621-4	480-101674-4	480-114997-5	480-125448-9	480-141984-10	480-155595-6	480-167686-2	480-177100-4	480-190061-6
			Source:	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA
			SDG:	A08-E150	RSI0296	RTF0798	480-2185	480-14339	480-23637	480-38452	480-38452	480-38452	480-83621	480-101674	480-114997	480-125448	480-141984	480-155595	480-167686	480-177100	480-190061
			Matrix:	Water	Water	Water	Water	Water	water	water	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
			Sampled:	11/10/2008	9/9/2009	6/11/2010	3/4/2011	12/21/2011	8/8/2012	5/16/2013	3/28/2014	11/4/2014	7/9/2015	6/15/2016	3/23/2017	10/6/2017	9/17/2018	6/27/2019	3/18/2020	10/22/2020	9/23/2021
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
319-84-6	alpha-BHC	0.01	(µg/L)	**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)	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)	**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)	0.046 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	0.0092 J
5103-71-9	alpha-Chlordane	0.05[1]	(µg/L)	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[1]	(µg/L)	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	0.17 B	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.039 J
72-55-9	4,4'-DDE	0.2	(µg/L)	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	ND	ND
50-29-3	4,4'-DDT	0.2	(µg/L)	ND	ND	ND	ND	ND	ND	ND	0.017 J	ND	ND	ND	ND	ND	ND	ND	0.019 J**1	ND	ND
60-57-1	Dieldrin	0.004	(µg/L)	**0.13 J**	**6.7 QFL D04**	ND	ND	ND	ND	**0.010 J**	ND	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
33213-65-9	Endosulfan II	NS	(µg/L)	0.021 J	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)	ND	**5.9 J QFL D04**	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	ND	0.015 J
76-44-8	Heptachlor	0.04	(µg/L)	ND	ND	ND	ND	ND	ND	0.018 J	0.028 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1024-57-3	Heptachlor epoxide	0.03	(µg/L)	ND	ND	ND	ND	ND	ND	0.011 J	ND	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
	Total Pesticides			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	0.063200
	PCBs																				
53469-21-9	Aroclor-1242	Sum of all PCBs < 0.09	(µg/L)	ND	ND	ND	**0.26 J**	**0.42 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.24 J**	ND
12672-29-6	Aroclor-1248		(µg/L)	**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	ND	ND
11097-69-1	Aroclor-1254		(µg/L)	-	-	-	ND	ND	ND	ND	ND	ND	**1.6**	ND	ND	ND	ND	ND	ND	ND	ND
11096-82-5	Aroclor-1260		(µg/L)	**2.6**	**210 QSU D08 Z3**	ND	ND	ND	**5.7**	ND	ND	ND	**1.5**	ND	ND	ND	ND *	ND	ND	ND	ND
	Total PCBs			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	ND
	INORGANICS																				
7429-90-5	Aluminum	NS	(µg/L)	ND	357 B	1,180 CF6	ND	ND	630	ND	87 J	ND	130 J	ND	97 J	410	ND	ND	580	ND	1,800 B
7440-36-0	Antimony	3	(µg/L)	ND	**7.8 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
7440-38-2	Arsenic	25	(µg/L)	5.4 B	11.3	6.8 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.8 J	ND	8.4 J
7440-39-3	Barium	1,000	(µg/L)	169	69.0	85.2	140	130	160 B	76	38	150	96	51 B	10	44	110	110	17	130	25
7440-41-7	Beryllium	3 (G)	(µg/L)	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)	ND	ND	0.4 J	ND	0.46 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
7440-70-2	Calcium	NS	(µg/L)	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	36,400
7440-47-3	Chromium	50	(µg/L)	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	1.8 J
7440-48-4	Cobalt	NS	(µg/L)	ND	0.7 J	0.9 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
7440-50-8	Copper	200	(µg/L)	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	3.5 J
7439-89-6	Iron	300	(µg/L)	**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**	**1,600**
7439-92-1	Lead	25	(µg/L)	ND	5.0	21.8 CF6	ND	ND	ND	ND	ND	4.2 J	ND	ND	ND	ND	4.9 J	ND	ND	ND	9.3
7439-95-4	Magnesium	35,000 (G)	(µg/L)	**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	10,800
7439-96-5	Manganese	300	(µg/L)	**1,060**	222	**386**	**710**	**640**	**720**	510 B	200	**590**	**480 B**	130 B	3.0	ND	**460**	**1,000**	16	**660**	60 B
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
7440-02-0	Nickel	100	(µg/L)	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	1.7 J
7440-09-7	Potassium	NS	(µg/L)	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	5,800
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
7440-22-4	Silver	50	(µg/L)	ND	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)	**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**	1,300
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
7440-62-2	Vanadium	NS	(µg/L)	ND	5.1	3.9 J	ND	ND	2.2 J	ND	ND	ND	ND	ND	ND	7.0	8.9	ND	ND	ND	3.0 J
7440-66-6	Zinc	2,000 (G)	(µg/L)	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 JB	7.9 JB	ND	1.9 B
57-12-5	Cyanide	200	(µg/L)	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	ND
	Total Inorganics			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	57,815

Notes:

[1] - Standard is for Chlordane (CAS 57-74-9).

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

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

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:	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
			Lab Sample ID:	G5094	H0919	H7397	J8486	M0296	N5019	Q3854	R7177	S7283	T6915	V4633	Z7442	A7430	B4251	E1137	0508015-007A	0603095-003A	A7E985012
			Source:	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OB	OB	OB	OB	OB	OB	LSL-BL	TA
			SDG:	5116	6847	7810	9595	1516	3880	5490	7645	9259	739	2494	4203	5716	6968	6968	200508	6030950	A07-E985
			Matrix:	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
			Sampled:	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	3/21/2006	12/27/2007
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	ND	2 J, B	13 B	5 J, B	ND
71-43-2	Benzene	1	(µg/L)	ND	ND	ND	1 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	38	1 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
108-90-7	Chlorobenzene	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	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
75-34-3	1,1-Dichloroethane	5	(µg/L)	2 J	2 J	ND	2 J	2 J	ND	ND	ND	ND	2 J	2 J	1 J	1 J	2 J	2 J	1 J	2 J	ND
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	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	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	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	1 J	ND	ND	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	ND	0.8 J, B	0.9 J, B	1 J, B	ND
127-18-4	Tetrachloroethene	5	(µg/L)	ND	1 J	ND	1 J	ND	ND	ND	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	ND	0.6 J	ND	ND	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	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
1330-20-7	Xylene (total)	5	(µg/L)	2 J	**15**	ND	**9 J**	3 J	ND	ND	ND	ND	ND	3 J	ND	1 J	ND	1 J	ND	ND	ND
	Total VOCs			11	33	1	29	56	12	ND	6	7	3	5	4.8	2	2	7.4	14.9	8	ND
	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	ND	ND	0.3 J
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	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	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	**3 J**	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	3 J	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	**6 J**	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	**2 J**	ND	ND
117-81-7	bis(2-Ethylhexyl)phthalate	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	2 J	1 J, B	ND	4 J	ND	1 J	ND	**10 J**	ND	ND
86-74-8	Carbazole	NS	(µg/L)	ND	ND	ND	3 J	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	**2 J**	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	1 J	0.4 J, B
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
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 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	20	ND	ND
105-67-9	2,4-Dimethylphenol	50	(µg/L)	45	38	18	39	6 J	8 J	ND	ND	ND	1 J	16	ND	6 J	2 J	7 J	4 J	7 J	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	3.8 J	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	4 J	ND	0.3 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	ND	ND	0.2 J
193-39-5	Indeno[1,2,3-cd]pyrene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**1 J**	ND	ND
91-57-6	2-Methylnaphthalene	NS	(µg/L)	ND	2	ND	3	ND	ND	ND	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	ND	**3 J**	ND	1 J	ND	ND	ND	1 J	ND
106-44-5	4-Methylphenol	1	(µg/L)	**29**	**37**	**15**	**15**	ND	**4 J**	ND	ND	ND	ND	**5 J**	ND	4 J	ND	**3 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	ND	3 J	ND	ND	ND	ND	ND	1 J	ND
99-09-2	3-Nitroaniline	5	(µg/L)	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	1 J	ND	ND	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	ND	ND	0.3 J
108-95-2	Phenol	1	(µg/L)	**3**	**10**	**2**	1	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	6 J	ND	0.2 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	ND	ND	ND
	Total SVOCs			93	105	43	123	9	18	2	ND	2	2	27	4	11	3	11	64.8	13	1.7

Notes:
NYSDEC June 1998 Ambient Water Quality Standards and Guidance Values for Groundwater Class GA.
Bold and shaded values exceed the NYSDEC Class GA groundwater standard/guidance value.
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:	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
			Lab Sample ID:	G5094	H0919	H7397	J8486	M0296	N5019	Q3854	R7177	S7283	T6915	V4633	Z7442	A7430	B4251	E1137	0508015-007A	0603095-003A	A7E985012
			Source:	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OB	OB	OB	OB	OB	OB	LSL-BL	TA
			SDG:	5116	6847	7810	9595	1516	3880	5490	7645	9259	739	2494	4203	5716	6968	6968	200508	6030950	A07-E985
			Matrix:	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
			Sampled:	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	3/21/2006	12/27/2007
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	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	ND	0.0032 J, P	ND	ND	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	ND	0.0026 J, P	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	ND	0.018 J, P, B	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	ND	**0.066 P**	0.003 J, P	0.00066 J, P	ND
5103-71-9	alpha-Chlordane	0.05[1]	(µg/L)	ND	ND	ND	ND	0.0016 J, P	0.0017 J, P	0.0022 J, P	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	ND	0.038 J, P	ND	ND
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	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	ND	ND	ND
72-55-9	4,4'-DDE	0.2	(µg/L)	ND	ND	ND	ND	0.0024 J, P	ND	ND	0.00079 J, P	ND	0.0027 J	ND	ND	ND	ND	ND	0.074 J	ND	ND
50-29-3	4,4'-DDT	0.2	(µg/L)	ND	ND	ND	ND	0.00079 J, P, B	ND	ND	0.0082 J, P	ND	ND	0.0018 J, P	ND	ND	ND	ND	ND	ND	ND
60-57-1	Dieldrin	0.004	(µg/L)	ND	ND	ND	ND	ND	ND	**0.088 J, P**	ND	**0.018 J, P**	**0.014 J, P**	ND	ND	**0.0045 J, P**	ND	ND	ND	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	0.039 J, P	0.015 J	0.0050 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	ND	ND	ND
1031-07-8	Endosulfan sulfate	NS	(µg/L)	ND	0.0018 J, P	ND	0.0046 J, P, B	0.0025 J, P, B	0.002 J, P	ND	0.0036 J, P	ND	ND	ND	ND	ND	ND	ND	0.022 J, P	ND	ND
72-20-8	Endrin	NS	(µg/L)	ND	ND	0.011 J, P	ND	0.0029 J, P	ND	0.041 J, P	0.0041 J, P	0.022 J, P	ND	ND	ND	ND	ND	ND	0.027 J, P	ND	ND
7421-93-4	Endrin aldehyde	5	(µg/L)	ND	ND	ND	0.0065 J	0.0017 J, P	ND	ND	0.0065 J, P	ND	0.0087 J, P, B	ND	ND	0.0088 J, P, B	ND	ND	ND	0.0015 J, P	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	ND	ND	ND
76-44-8	Heptachlor	0.04	(µg/L)	ND	ND	ND	ND	ND	0.0025 J, P	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.023 J
1024-57-3	Heptachlor epoxide	0.03	(µg/L)	ND	ND	ND	0.00059 J, P	ND	ND	0.0039 J, P, B	0.00055 J, P	ND	0.0038 J, P	ND	ND	0.0063 J, P	ND	ND	ND	ND	ND
72-43-5	Methoxychlor	35	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.3 P	ND	ND
	Total Pesticides			0.0037	0.0169	0.0436	0.0186	0.0167	0.0106	0.1880	0.0386	0.0400	0.0643	0.0563	0.0260	0.0378	ND	0.0780	1.5030	0.0378	0.0280
	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	ND	ND	**0.33 J**
12672-29-6	Aroclor-1248	< 0.09	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**4.9**	ND	ND
11096-82-5	Aroclor-1260		(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**2**	ND	ND
	Total PCBs			ND	ND	**0.41**	**0.48**	**0.47**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.9	ND	0.33
	INORGANICS																				
7429-90-5	Aluminum	NS	(µg/L)	341	302	383	142 B	211	281	44.7	180 B, E	85.6 B	309	707	221	266	215	119 B	173 B	308	206
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**	2.5 B	**3.6 B**	ND
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	3.5 B	3.2 B	ND
7440-39-3	Barium	1,000	(µg/L)	63.4 B	37.3 B	43.2 B	76.9 B	71.6 B	68.2 B	210	114 B	44.7 B	48.4	60 B	50.6 B	48.5 B	37.6 B	39.4 B	310	34.8	39.0
7440-41-7	Beryllium	3 (G)	(µg/L)	ND	ND	ND	ND	0.14 B	0.06 B	ND	0.3 B	ND	0.1	0.13 B	ND	ND	ND	ND	ND	ND	0.38 B
7440-43-9	Cadmium	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.37	ND	ND	ND	ND	ND	ND	ND	ND
7440-70-2	Calcium	NS	(µg/L)	117,000	93,700	98,600	171,000	156,000	135,000	70,400	147,000	109,000	135,000	144,000	104,000	116,000	88,400	99,000	539,000	83,700	61,800
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	6.6 B	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	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			3.8 B	3.8 B	2.9 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	**9,190**	**705**	42.3 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	ND	ND	ND
7439-95-4	Magnesium	35,000 (G)	(µg/L)	676 B	4,130 B	671 B	18.9 B	ND	34.7 B	14,300	544 B	469 B	80.7	223 B	135 B	175 B	ND	33.5 B	3320 B	70.1 B	77.5 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	**1,510**	3.9 B, E	0.45 B
7439-97-6	Mercury	0.7	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.15	ND	ND	ND	ND	0.05 B	0.025 B	0.011 B	ND
7440-02-0	Nickel	100	(µg/L)	2.5 B	ND	1.4 B	1.4 B	2.3 B	6.7 B, E	4 B	2.1 B	1.8 B	3.7	ND	ND	ND	1.2 B	1.8 B	55.4	3.1 B	ND
7440-09-7	Potassium	NS	(µg/L)	43,700	29,900	33,900	36,200	45,600	43,500	20,800	42,100 E	47,200	49,400	42,200	40,400	44,300	36,900	40,900	49,200	38,100	36,400
7782-49-2	Selenium	10	(µg/L)	8.3	ND	ND	ND	ND	3.4 B	ND	**10.4**	3.4 B	4.5	3.3 B	4.4 B	6.6	4.4 B	ND	ND	ND	7.7 B
7440-22-4	Silver	50	(µg/L)	0.65 B	ND	ND	ND	ND	ND	ND	ND	ND	1	ND	ND	ND	ND	ND	ND	ND	1.3 B
7440-23-5	Sodium	20,000	(µg/L)	**47,000**	**31,000**	**40,200**	**33,300**	**43,700**	**45900 E**	**114,000**	**48,100**	**68,100**	**64,100**	**63,200 E**	**50,900**	**64,400**	**50,100**	**63,400**	**68,500**	**57,400**	**44,900**
7440-62-2	Vanadium	NS	(µg/L)	21.2 B	10.1 B	11.3 B	8.1 B	13.9 B	34.9 B, E	1.1 B	55.6	19 B	24.8 B	14 B	44.8 B	14.6 B	25.6 B	13.8 B	7.2 B	12.6 B	72.4
7440-66-6	Zinc	2,000 (G)	(µg/L)	2.8 B	3.6 B	10.6 B	7.7 B	4.3 B	3.6 B	4 B	1.8 B	3.5 B	2 B	28.9	3.4 B	5 B	ND	3 B	88.7	84.7	ND
57-12-5	Cyanide	200	(µg/L)	48.3	ND	12.9	80	52.3	27.1	ND	39.7	50.3	40.5	16.9	39.4	49	50	46.9	34.6	38.6	0.031
	Total Inorganics			208,937	159,261	173,949	240,899	245,712	225,008	223,550	238,722	225,081	249,078	251,464	195,909	225,740	175,775	203,610	670,405	180,471	143,550

Notes:
[1] - Standard is for Chlordane (CAS 57-74-9).
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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.
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:	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
			Lab Sample ID:	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	480-190061-7
			Source:	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA
			SDG:	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	480-190061
			Matrix:	Water	Water	Water	Water	Water	Water	Water	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
			Sampled:	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	9/23/2021
CAS NO.	COMPOUND		UNITS:																	
	VOLATILES																			
67-64-1	Acetone	50 (G)	(µg/L)	ND	ND	ND	ND	ND	4.3 J	ND	ND	ND	ND	ND	ND	5.2 J	14 J	ND	ND	ND	ND
71-43-2	Benzene	1	(µg/L)	ND	0.49 J	ND	ND	ND	0.44 J	ND	ND	0.80 J	ND	0.43 J	ND	0.64 J	ND	ND	ND	ND	ND
75-15-0	Carbon disulfide	60 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	0.42 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
108-90-7	Chlorobenzene	5	(µg/L)	ND	ND	ND	ND	1.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
75-00-3	Chloroethane	5	(µg/L)	ND	ND	ND	ND	0.52 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
75-34-3	1,1-Dichloroethane	5	(µg/L)	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	ND	ND
156-59-2	cis-1,2-Dichloroethene	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-	-	-	-
540-59-0	1,2-Dichloroethene (total)	NS	(µg/L)	ND	ND	ND	7.1	2.1	ND	ND	ND	ND	ND	1.1 J	8.2	17	23	ND	19	34	ND
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)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.2 J	ND	ND	ND	ND
127-18-4	Tetrachloroethene	5	(µg/L)	ND	ND	ND	ND	ND	0.44 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
108-88-3	Toluene	5	(µg/L)	ND	0.68 J	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	1.2	ND	ND	ND	ND	0.80 J	ND	ND	1.7	2.9	2.7 J	ND	1.2 J	1.9 J	ND
75-01-4	Vinyl Chloride	2	(µg/L)	ND	ND	ND	1.1	ND	ND	ND	**3.8**	ND	ND	ND	1.3	**2.8**	ND	ND	**4.6**	**9.7**	ND
1330-20-7	Xylene (total)	5	(µg/L)	ND	1.8 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Total VOCs			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	ND
	SEMIVOLATILES																			
0.58 J	Acenaphthene	20 (G)	(µg/L)	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	ND	ND
208-96-8	Acenaphthylene	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.47 J	ND	ND	ND	ND
120-12-7	Anthracene	50(G)	(µg/L)	ND	ND	ND	ND	ND	0.29 J	ND	ND	ND	ND	ND	ND	ND	0.39 J	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	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	**0.65 J**	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	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	3.5 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
86-74-8	Carbazole	NS	(µg/L)	ND	ND	ND	ND	2.2 J	0.91 J	ND	ND	ND	ND	ND	ND	ND	0.32 J	ND	ND	0.35 J	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
84-74-2	Di-n-butyl phthalate	50	(µg/L)	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	ND	0.33 J
117-84-0	Di-n-octyl-phthalate	50 (G)	(µg/L)	ND	ND	ND	ND	0.53 J	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	ND	ND
106-46-7	1,4-Dichlorobenzene	3	(µg/L)	ND	ND	ND	ND	1.1 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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
105-67-9	2,4-Dimethylphenol	50	(µg/L)	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	ND	0.66 J	ND
131-11-3	Dimethyl phthalate	50 (G)	(µg/L)	ND	ND	ND	ND	48	7.2	36	2.1 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
206-44-0	Fluoranthene	50 (G)	(µg/L)	ND	ND	ND	ND	ND	0.39 J	ND	ND	ND	ND	ND	ND	ND	0.47 J	ND	ND	ND	ND
86-73-7	Fluorene	50 (G)	(µg/L)	ND	ND	ND	ND	0.42 J	0.58 J	ND	ND	0.40 J	ND	ND	ND	ND	0.53 J	ND	ND	ND	ND
193-39-5	Indeno[1,2,3-cd]pyrene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
91-57-6	2-Methylnaphthalene	NS	(µg/L)	ND	ND	ND	ND	ND	1.6 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
95-48-7	2-Methylphenol	1	(µg/L)	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	ND	ND
106-44-5	4-Methylphenol	1	(µg/L)	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	ND	ND
91-20-3	Naphthalene	10 (G)	(µg/L)	ND	2.2 J	ND	ND	ND	1.7 J	ND	ND	1.1 J	ND	ND	ND	ND	1.9 J	ND	ND	ND	ND
99-09-2	3-Nitroaniline	5	(µg/L)	ND	ND	0.53 J	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
85-01-8	Phenanthrene	50 (G)	(µg/L)	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	ND	ND
108-95-2	Phenol	1	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	0.51 J	ND	ND	ND	0.51 J	**1.4 J**	ND	ND	ND	ND
129-00-0	Pyrene	50 (G)	(µg/L)	ND	ND	ND	ND	ND	0.48 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
95-95-4	2,4,5-Trichlorophenol	NS	(µg/L)	ND	ND	0.89 J	ND	ND	ND	ND	ND	0.45 J	ND	ND	ND	ND	ND	0.89 J	0.57 J	0.53 J	ND
	Total SVOCs			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	0.33

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 Historically Detected Compounds		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
			Lab Sample ID:	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	480-190061-7
			Source:	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA
			SDG:	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	480-190061
			Matrix:	Water	Water	Water	Water	Water	Water	Water	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
			Sampled:	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	9/23/2021
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
319-84-6	alpha-BHC	0.01	(µg/L)	ND	ND	0.013 QSU, J	ND	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)	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)	0.032 J B	ND	ND	ND	ND	ND	0.014 J	ND	ND	ND	ND	ND	ND	ND	0.015 JB	ND	ND	ND
58-89-9	gamma-BHC (Lindane)	0.05	(µg/L)	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	0.0088 J	ND
5103-71-9	alpha-Chlordane	0.05[1]	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.026 J	ND	ND	ND	ND
5566-34-7	gamma-Chlordane	0.05[1]	(µg/L)	ND	ND	ND	ND	ND	ND	0.013 J	0.016 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
5103-74-2	trans-Chlordane	0.05[1]	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.049 JB	0.027 J	0.040 J	0.028 J
72-54-8	4,4'-DDD	0.3	(µg/L)	ND	ND	ND	ND	ND	ND	0.12 B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
72-55-9	4,4'-DDE	0.2	(µg/L)	ND	0.024 J	ND	ND	ND	ND	0.021 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
50-29-3	4,4'-DDT	0.2	(µg/L)	**0.036 J**	ND	ND	ND	ND	ND	0.023 J	ND	ND	ND	ND	ND	0.014 J	ND	ND	0.020 J**1	0.011 J	ND
60-57-1	Dieldrin	0.004	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.012 J**	ND	ND
959-98-8	Endosulfan I	NS	(µg/L)	0.063	ND	ND	ND	ND	ND	0.11	ND	ND	ND	0.017 J	ND	ND	ND	ND	ND	ND	ND
33213-65-9	Endosulfan II	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	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)	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)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.014 J	ND	ND	ND
76-44-8	Heptachlor	0.04	(µg/L)	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	ND	ND
1024-57-3	Heptachlor epoxide	0.03	(µg/L)	ND	ND	ND	ND	ND	ND	0.0089 J	ND	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Total Pesticides			0.196	0.024	0.035	ND	ND	ND	0.3469	0.0550	0.0110	ND	0.017	ND	0.025	0.037	0.096	0.319	0.060	0.028
	PCBs																				
53469-21-9	Aroclor-1242	Sum of all PCBs	(µg/L)	**0.41 J**	ND	ND	ND	**0.46 J**	**0.46 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.59**	ND	ND
12672-29-6	Aroclor-1248	< 0.09	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.24 J**	**0.19 J**	**0.31 J**	ND	ND	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			0.41	ND	ND	ND	0.46	0.46	ND	ND	ND	ND	ND	0.24	0.19	0.31	ND	0.59	ND	ND
	INORGANICS																				
7429-90-5	Aluminum	NS	(µg/L)	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	ND
7440-36-0	Antimony	3	(µg/L)	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)	6.1 B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
7440-39-3	Barium	1,000	(µg/L)	41.0	35.5	30.8	23	100	110 B	38	2.7	33	47	48	53	71	97	70	49	48	21
7440-41-7	Beryllium	3 (G)	(µg/L)	0.44 B	ND	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
7440-70-2	Calcium	NS	(µg/L)	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	12,400
7440-47-8	Chromium	50	(µg/L)	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	ND
7440-48-4	Cobalt	NS	(µg/L)	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)	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	ND
7439-89-6	Iron	300	(µg/L)	**44.7 B**	78	**470 CF6**	**740**	**4,700**	**3,400**	**7,600**	110	300	53	110	ND	ND	ND	**630**	ND	160	77
7439-92-1	Lead	25	(µg/L)	ND	ND	ND	ND	3.3 J	ND	ND	ND	4.1 J	ND	ND	3.8 J	ND	ND	ND	ND	ND	ND
7439-95-4	Magnesium	35,000 (G)	(µg/L)	ND	ND	ND	2,500	17,600	7,400	430	980	370	57 J	260	ND	ND	ND	300	180 J	230	480
7439-96-5	Manganese	300	(µg/L)	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	4.1 B
7439-97-6	Mercury	0.7	(µg/L)	0.122 B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
7440-02-0	Nickel	100	(µg/L)	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	1.5 J
7440-09-7	Potassium	NS	(µg/L)	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	29,100
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
7440-22-4	Silver	50	(µg/L)	ND	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)	**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**	**62,600**
7440-62-2	Vanadium	NS	(µg/L)	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	4.0 J
7440-66-6	Zinc	2,000 (G)	(µg/L)	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	12 B
57-12-5	Cyanide	200	(µg/L)	0.060	ND	63.9	18	ND	29	21	3.5	34	28	30	12	10	13	46 *	7.3 J	23	18
	Total Inorganics			190,979	171,095	175,381	97,661	155,805	168,470	176,589	176,589	176,589	214,136	241,676	143,166	199,708	193,924	280,254	117,911	149,765	104,718

Notes:
[1] - Standard is for Chlordane (CAS 57-74-9).
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QSU = Sulfur (EPA 3660) clean-up performed on extract.
B = Compound was found in the blank and sample.
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* = 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:	S-3	S-3	S-3	S-3	S-3	S-3	S-3	S-3	S-3	S-3	S-3	S-3	S-3	S-3	S-3	S-3	S-3	S-3	S-3
			Lab Sample ID:	G5120	H0920	H7393	J8339	M0189	N4873	Q3848	R7148	S7282	T6807	V4307	Z9835	A7428	B4290	E1070	0508015-005A	0603095-004A	A7E985013	A8E30607	RSI0312-03
			Source:	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OB	OB	OB	OB	OB	OB	LSL-BL	TA	TA	TA
			SDG:	5116	6847	7810	9571	1489	3856	5490	7645	9259	724	2494	4203	5716	6968	6968	200508	6030950	A07-E985	A08-E150	RSI0296
			Matrix:	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
			Sampled:	11/20/1997	2/18/1998	5/27/1998	10/21/1998	4/19/1999	11/8/1999	4/26/2000	12/13/2000	6/19/2001	12/11/2001	6/17/2002	12/19/2002	6/24/2003	12/16/2003	6/7/2004	8/2/2005	3/21/2006	12/27/2007	11/10/2008	9/9/2009
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	2 J, B	ND	ND	2.1 J
71-43-2	Benzene	1	(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	8 J	2 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
108-90-7	Chlorobenzene	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	2 J	ND	ND	1.5
156-59-2	cis-1,2-Dichloroethene	5	(µg/L)	ND	ND	ND	ND	2 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.5 J	ND	ND	ND	ND
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	ND	ND	ND	ND
100-41-4	Ethylbenzene	5	(µg/L)	ND	4 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
108-10-1	4-Methyl-2-pentanone	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1 J	ND	ND	2 J	ND	1 J	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	1 J, B	ND	ND	ND
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	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	ND	ND	ND	ND
79-01-6	Trichloroethene	5	(µg/L)	ND	1 J	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)	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	ND	ND	ND	1.0 J
	Total VOCs			9	60	16	8	26	7	6	11	11	6.7	6	8	4.2	2.9	9.5	11.3	6	ND	ND	4.6
	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	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	ND	0.5 J	0.6 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	ND	0.2 J	0.4 J	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	ND	**0.2 J**	ND	ND
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	1 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	**110 J, D**	**2 J**	**6 J**	**3.7 J**	**1 J**	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	3 J	1 J	ND	ND	ND	ND
207-08-9	Benzo[k]fluoranthene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**93 J, D**	ND	**4 J**	**1.7 J**	ND	ND	ND	ND
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**	**6 J**	ND	ND	ND
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	ND	ND	0.5 J	ND
59-50-7	4-Chloro-3-methylphenol	1	(µg/L)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
218-01-9	Chrysene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**92 J, D**	ND	**4 J**	**1.2 J**	ND	ND	ND	ND
106-46-7	1,4-Dichlorobenzene	3	(µg/L)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
84-74-2	Di-n-butyl phthalate	50	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1 J	0.3 J B	0.7 J B	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
132-64-9	Dibenzofuran	NS	(µg/L)	ND	ND	ND	ND	2 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.3 J	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	0.8 J B	ND
105-67-9	2,4-Dimethylphenol	50	(µg/L)	43	**54**	43	ND	28	13	12	4 J	14	10	19	ND	ND	6 J	13	28	26	4 J	14	11
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	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	ND	0.3 J	0.4 J B	ND
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	ND	0.4 J	0.6 J	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	ND	ND	ND	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	ND	0.3 J	0.6 J B	ND
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**	**9 J**	0.6 J	**3 J**	**3.5 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**	21	1 J	**6**	**7.4 J ID7**
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	4 J	1 J	2 J B	1.2 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	ND	0.8 J	0.9 J B	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	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	ND	ND	0.2 J	ND
	Total SVOCs			118	157	122	ND	122	65	39	7	53	18	74	ND	1108	21	81	99.3	69	9.6	31.0	23.1

Notes:
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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:	S-3	S-3	S-3	S-3	S-3	S-3	S-3	S-3	S-3	S-3	S-3	S-3	S-3	S-3	S-3	S-3	S-3	S-3	S-3
			Lab Sample ID:	G5120	H0920	H7393	J8339	M0189	N4873	Q3848	R7148	S7282	T6807	V4307	Z9835	A7428	B4290	E1070	0508015-005A	0603095-004A	A7E985013	A8E30607	RSI0312-03
			Source:	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OB	OB	OB	OB	OB	OB	LSL-BL	TA	TA	TA
			SDG:	5116	6847	7810	9571	1489	3856	5490	7645	9259	724	2494	4203	5716	6968	6968	200508	6030950	A07-E985	A08-E150	RSI0296
			Matrix:	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
			Sampled:	11/20/1997	2/18/1998	5/27/1998	10/21/1998	4/19/1999	11/8/1999	4/26/2000	12/13/2000	6/19/2001	12/11/2001	6/17/2002	12/19/2002	6/24/2003	12/16/2003	6/7/2004	8/2/2005	3/21/2006	12/27/2007	11/10/2008	9/9/2009
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	0.0039 J, P	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	ND	ND	ND	ND
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	0.0093 J, P	ND	ND	ND
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	0.018 J, P	ND	0.038 J	0.026 J
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	ND	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	ND	ND	ND	ND
72-54-8	4,4'-DDD	0.3	(µg/L)	ND	ND	ND	ND	0.00049 J, P	ND	0.0013 J, P	0.0032 J, P	ND	ND	ND	ND	**8 P**	ND	ND	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**	0.12 P	ND	ND	ND
50-29-3	4,4'-DDT	0.2	(µg/L)	ND	ND	ND	ND	0.00077 J, P	ND	ND	0.0052 J, P	ND	0.0058 J	0.0097 J, P	ND	ND	ND	ND	ND	ND	ND	0.041 J	0.028 J
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	ND	ND	ND	ND
959-98-8	Endosulfan I	NS	(µg/L)	ND	ND	0.0032 J, P	ND	ND	ND	ND	0.0078 J, P	ND	0.0038 J, P	0.0064 J, P	0.059 P	2.2 P	0.025 J, P	0.033 J, P	0.062 P	0.035 J, P	ND	0.051	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	ND	1.6 P	ND	0.0067 J, P	ND	ND	ND	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	ND	0.021 J, P	0.0057 J, P	ND	ND	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	0.066 J	ND	ND	ND
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	ND	ND	ND	ND
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	0.0072 J, P	ND	ND	ND
76-44-8	Heptachlor	0.04	(µg/L)	ND	0.0082 J, P	ND	ND	ND	ND	ND	ND	ND	0.0017 J, P	0.0046 J	ND	**0.85 P**	**0.041 P, J**	**0.07 P**	0.092 P	ND	0.023 J	**0.080**	0.016 J
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**	ND	ND	0.027 J B	ND
72-43-5	Methoxychlor	35	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.038	0.068	ND	ND	ND
	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	0.3331	0.023	0.237	0.070
	PCBs																						
12674-11-2	Aroclor-1016		(µg/L)	ND	ND	ND	ND	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	ND	ND	ND	ND
53469-21-9	Aroclor-1242	Sum of all PCBs	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.39 J**	**0.44 J**	ND
12672-29-6	Aroclor-1248	< 0.09	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**13**	**130 P**	**5.2 P**	ND	**14**	**4.8 P**	ND	ND	ND
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	ND	**2.8**	ND	**2.1**	ND	ND	ND
	Total PCBs			ND	ND	0.82	ND	0.52	ND	ND	ND	ND	ND	ND	13	130	5.2	2.8	14	6.9	0.39	0.44	ND
	INORGANICS																						
7429-90-5	Aluminum	NS	(µg/L)	620	415	460	100 B	298	382	443	280 E	534	556	388	497	536	489	343	397	271	474	496	309 B
7440-36-0	Antimony	3	(µg/L)	**10.7 B**	2.8 B	**5.3 B**	**12.6 B**	**5.1 B**	**4.7 B**	**3.4 B**	**8.2 B**	**4.6 B**	**3.2 B**	2.8 B	**3.8 B**	2 B	**3.2 B**	**6.2 B**	2.6 B	**3.2 B**	ND	ND	ND
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	4.4 B	5.7 B	7.9 B	ND
7440-39-3	Barium	1,000	(µg/L)	55.2 B	51.2 B	44.4 B	54.8 B	56.6 B	50.3 B	52.3 B	64 B	40 B	38.5 B	32.8 B	36.6 B	37.6 B	31.1 B	34.6 B	36.1 B	29 B	34.9	34.9	27.8
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	ND	0.38 B	0.40 B	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	72,800	63,000	74,100	59,100 B
7440-47-8	Chromium	50	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.6 B	1.3 B	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	ND	ND	1.6 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	153	20.5 B	118	26 J
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	ND	ND	ND	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	343 B	557	193 B	56 J
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	0.72 B, E	0.79 B	0.94 B	1.0 J
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	ND	ND	ND	ND
7440-02-0	Nickel	100	(µg/L)	2.5 B	1.1 B	2.4 B	1.9 B	2.5 B	2.8 B, E	ND	2.1 B	2.3 B	3.2 B	ND	ND	ND	3.4 B	10.3 B	5.5 B	4 B	2.2 B	2.0 B	2.6 J
7440-09-7	Potassium	NS	(µg/L)	53,000	44,700	47,400	38,500	47,100	48,500	54,100	53600 E	49,900	48,800	43,100	41,300	44,600	37,400	44,700	47,000	39,400	38,700	39,700	41,000
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	3.3 B	**12.3 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	1.2 B	1.5 B	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**	**60,700**	**48,900**	**61,500**	**58,500**
7440-62-2	Vanadium	NS	(µg/L)	20.9 B	13.1 B	14.2 B	5.5 B	16.5 B	12.6 B, E	15.1 B	45 B	19.2 B	15.7 B	16.9 B	27.5 B	16 B	16 B	17 B	10.1 B	10.6 B	39.1	22.4	15.6
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	24.4	ND	ND	33.3
57-12-5	Cyanide	200	(µg/L)	49.5		32.5	69	15.6	25.3	39.9	23	28.2	47.9	40.6	49.9	40.2	40.6	48.2	39.9	50.6	0.045	0.022	46.5 CF6
	Total Inorganics			231,378	226,865	210,419	184,548	242,908	240,331	285,145	311,461	268,356	245,327	214,671	189,839	217,322	175,632	209,793	200,965	173,798	151,750	176,178	159,118

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- = 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:	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)	S-3
			Lab Sample ID:	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	480-190061-8
			Source:	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA
			SDG:	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	480-190061
			Matrix:	Water	Water	Water	Water	Water	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
			Sampled:	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	9/23/2021
CAS NO.	COMPOUND		UNITS:																		
	VOLATILES																				
67-64-1	Acetone	50 (G)	(µg/L)	ND	ND	ND	ND	ND	3.3 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
71-43-2	Benzene	1	(µg/L)	ND	ND	ND	0.50 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	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	ND	ND	ND
75-34-3	1,1-Dichloroethane	5	(µg/L)	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	1.8 J	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	ND	ND	ND	1.4 J	1.1 J	1.3 J	2.0 J	ND	ND	ND	ND	ND	ND	ND
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	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
75-09-2	Methylene chloride	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.4 J	2.1 J	ND	ND	ND	ND	ND	ND
127-18-4	Tetrachloroethene	5	(µg/L)	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	ND
108-88-3	Toluene	5	(µg/L)	ND	0.67 J	0.68 J	0.94 J	ND	ND	0.69 J	ND	ND	0.53 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
79-01-6	Trichloroethene	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1330-20-7	Xylene (total)	5	(µg/L)	ND	0.95 J	1.7 J	2.5	ND	ND	1.7 J	ND	ND	0.66 J	0.72 J	1.4 J	ND	ND	ND	ND	ND	ND	ND
	Total VOCs			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	ND
	SEMIVOLATILES																					
95-95-4	2,4,5-Trichlorophenol	NS	(µg/L)	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	ND
83-32-9	Acenaphthene	20 (G)	(µg/L)	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	ND
208-96-8	Acenaphthylene	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.39 J	ND	0.48 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	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	ND
205-99-2	Benzo[b]fluoranthene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	0.65 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	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	ND
117-81-7	bis(2-Ethylhexyl)phthalate	5	(µg/L)	ND	2.6 J,B	ND	ND	ND	ND	3.4 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
86-74-8	Carbazole	NS	(µg/L)	0.54 J	0.42 J	0.48 J	0.49 J	ND	0.39 J	ND	ND	1.4 J	0.42 J	0.45 J	ND *	ND	ND	ND	ND	0.50 J	ND	ND
59-50-7	4-Chloro-3-methylphenol	1	(µg/L)	-	-	-	-	-	-	-	-	**3.1 J**	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
106-46-7	1,4-Dichlorobenzene	3	(µg/L)	-	-	-	-	-	-	-	-	0.68 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
84-74-2	Di-n-butyl phthalate	50	(µg/L)	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	ND
117-84-0	Di-n-octyl phthalate	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	2.5 J	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	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	ND
105-67-9	2,4-Dimethylphenol	50	(µg/L)	8.9	7.3	10	11	18	22	18	11	18	14	14	**58**	**60**	ND	25	27	49	**53**	ND
131-11-3	Dimethyl phthalate	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	1.5 J	3.9 J	ND	ND	ND *	ND	ND	ND	ND	ND	ND	ND
206-44-0	Fluoranthene	50 (G)	(µg/L)	ND	0.44 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
86-73-7	Fluorene	50 (G)	(µg/L)	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	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	ND
91-57-6	2-Methylnaphthalene	NS	(µg/L)	ND	ND	0.70 J	0.67 J	ND	ND	ND	ND	0.66 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
95-48-7	2-Methylphenol	1	(µg/L)	**8.5**	**7.1**	**8.8**	**5.1**	**7.2**	**7.1**	**13**	**2.7**	**4.2 J**	**11**	**12**	**36**	**20 J**	ND	**8.0 J**	**9.1**	**20 J**	**22**	ND
106-44-5	4-Methylphenol	1	(µg/L)	**22**	**15**	**19**	**6.7 J**	**16**	**16**	**25**	**3.3 J**	ND	**22**	**23**	**74**	**40 J**	ND	**13 J**	**15**	**41 J**	**45**	ND
91-20-3	Naphthalene	10 (G)	(µg/L)	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	ND	2.6 J	ND	ND	ND
85-01-8	Phenanthrene	50 (G)	(µg/L)	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	ND	0.59 J	ND	0.81 J	ND
108-95-2	Phenol	1	(µg/L)	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	0.40 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Total SVOCs			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	ND

Notes:
NYSDEC June 1998 Ambient Water Quality Standards and Guidance Values for Groundwater Class GA.
Bold and shaded values exceed the NYSDEC Class GA groundwater standard/guidance value.
NA = Not analyzed/applicable
- = 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
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Appendix B-3

Sump Historically Detected Compounds

Cherry Farm Sump Samples Historically Detected Compounds		NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID:	S-3	S-3	S-3	S-3	S-3	S-3	S-3	S-3	S-3	S-3	DUP (S-3)	S-3	S-3	S-3	S-3	DUP (S-3)	S-3	DUP (S-3)	S-3
			Lab Sample ID:	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	480-190061-8
			Source:	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA
			SDG:	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	480-190061
			Matrix:	Water	Water	Water	Water	Water	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
			Sampled:	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	9/23/2021
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	ND	ND	ND	ND	**0.022 J B**	ND	ND	ND	ND	ND	ND	ND	ND	**0.015 J**	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	ND	ND	ND	ND	ND
58-89-9	gamma-BHC (Lindane)	0.05	(µg/L)	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	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
5103-74-2	trans-Chlordane	0.05	(µg/L)	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	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
72-55-9	4,4'-DDE	0.2	(µg/L)	ND	ND	ND	ND	0.020 J	ND	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	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	ND
60-57-1	Dieldrin	0.004	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.011 J**	ND	ND	ND	ND
959-98-8	Endosulfan I	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.019 J	0.022 J	0.020 J	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	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	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	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
53494-70-5	Endrin ketone	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.021 J	ND	ND	ND	ND	ND	ND
76-44-8	Heptachlor	0.04	(µg/L)	ND	ND	ND	ND	0.0091 J	0.018 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1024-57-3	Heptachlor epoxide	0.03	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	5.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Total Pesticides			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	ND
	PCBs																					
12674-11-2	Aroclor-1016		(µg/L)	ND	ND	ND	ND	ND	**0.25 J**	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	**0.74**	ND	**4.2**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
53469-21-9	Aroclor-1242	Sum of all PCBs	(µg/L)	**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)	ND	**0.41 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11096-82-5	Aroclor-1260		(µg/L)	ND	**0.29 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND *	ND	ND	ND	ND	ND	ND
	Total PCBs			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	ND
	INORGANICS																					
7429-90-5	Aluminum	NS	(µg/L)	308	280	200	290	320	200	370	130 J	ND	410	420	400	380	270	150 J	190 J	290	270	75 JB
7440-36-0	Antimony	3	(µg/L)	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)	7.0 J	ND	ND	6.4 J	5.7 J	ND	ND	ND	7.0 J	ND	ND	ND	ND	ND	6.0 J	ND	ND	6.3 J	ND
7440-39-3	Barium	1,000	(µg/L)	30	24	24	29 B	33	33	34	40	93	47	45	44	68	66	39	38	44	43	30
7440-41-7	Beryllium	3 (G)	(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)	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	54,400
7440-47-8	Chromium	50	(µg/L)	ND	1.7 J	ND	ND	1.5 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
7440-50-8	Copper	200	(µg/L)	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	ND
7439-89-6	Iron	300	(µg/L)	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	82
7439-92-1	Lead	25	(µg/L)	ND	ND	ND	ND	ND	ND	5.8	ND	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)	77 J	ND	77 J	ND	240	1,000	560	7,400	3,700	160 J	160 J	81 J	240	2,800	610	600	430	520	200
7439-96-5	Manganese	300	(µg/L)	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	41 B
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
7440-02-0	Nickel	100	(µg/L)	1.4 J	1.6 J	1.9 J	1.4 J	1.9 J	ND	ND	19	2.0 J	ND	ND	1.3 J	ND	ND	ND	ND	2.1 J	2.4 J	ND
7440-09-7	Potassium	NS	(µg/L)	43,500	35,300	35,100	39,900	42,900	36,800	44,400	25,500	89,300	54,800	55,100	59,500	78,300	52,300	41,600	41,000	46,100	45,000	39,800
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)	ND	ND	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)	**61,100**	**51,700**	**47,100**	**51,800**	**54,000**	**41,700**	**54,700**	**28,500**	**91,900**	**99,800**	**100,000**	**112,000**	**226,000**	**163,000**	**149,000**	**147,000**	**181,000**	**177,000**	**121,000**
7440-62-2	Vanadium	NS	(µg/L)	11.8	35	39	16	33	7.4	12	4.6 J	3.5 J	22	20	7.2	6.9	6.1	3.5 J	3.3 J	5.1	5.0	7.1
7440-66-6	Zinc	2,000 (G)	(µg/L)	2.1 J	3.0 J	ND	ND	2.2 J	2.1 J	ND	790	25 B	2.6 J B	2.3 J B	1.8 J	4.4 J B	50 B	ND	1.6 J B	38	41	ND
57-12-5	Cyanide	200	(µg/L)	62.9 CF6	44	49	66	54	ND	36 B	19	ND	39	65	30	45	58 *	55	52	44	49	74
	Total Inorganics			164,736	139,894	128,048	146,246	155,260	134,387	160,680	118,912	397,695	231,829	230,748	246,601	399,211	294,266	252,693	249,420	295,032	289,134	215,709

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:	S-4	S-4	S-4	S-4	S-4	S-4	S-4	S-4	S-4	S-4	S-4	S-4	S-4	S-4	S-4	S-4	S-4
			Lab Sample ID:	G5118	H1025	H7398		M0297	N5018	Q4028	R7178	S7279	T6910	V4635	Z7445	A7427	B4293	E1191	0508015-002A	0603095-005A	A7E985013
			Source:	OBG	OBG	OBG		OBG	OBG	OBG	OBG	OBG	OBG	OB	OB	OB	OB	OB	OB	LSL-BL	TA
			SDG:	5116	6857	7810		1516	3880	5512	7645	9259	739	2494	4203	5716	6968	6968	6968	6030950	A07-E985
			Matrix:	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
			Sampled:	11/20/1997	2/20/1998	5/28/1998	10/21/1998	4/21/1999	11/10/1999	4/28/2000	12/14/2000	6/19/2001	12/12/2001	6/19/2002	12/17/2002	6/23/2003	12/16/2003	6/9/2004	8/1/2005	3/21/2006	12/27/2007
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	3	ND
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	0.9 J	ND
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	ND	ND
75-34-3	1,1-Dichloroethane	5	(µg/L)	ND	ND	ND	NA	**8 J**	ND	ND	ND	ND	ND	ND	ND	1 J	1 J	0.6 J	1 J	1 J	ND
156-59-2	cis-1,2-Dichloroethene	5	(µg/L)	ND	ND	ND	NA	**9 J**	ND	ND	ND	ND	ND	ND	ND	1 J	2 J	0.8 J	2 J	2 J	ND
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	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	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	ND	ND
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	1 J	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	1	ND
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	0.5 J	ND
108-88-3	Toluene	5	(µg/L)	1 J	ND	ND	NA	4 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1 J	2 J	ND
79-01-6	Trichloroethene	5	(µg/L)	1 J	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.8 J	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	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	**12**	ND
	Total VOCs			13	2	1	NA	92	ND	ND	5	4	1	1	3.4	4	10	6.1	15.2	24.2	ND
	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	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	ND	ND
120-12-7	Anthracene	50(G)	(µg/L)	1	ND	ND	NA	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	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1 J	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	ND	ND
117-81-7	bis(2-Ethylhexyl)phthalate	5	(µg/L)	ND	ND	ND	NA	ND	2 J	2 J	4 J	ND	5 J	ND	ND	ND	ND	ND	1 J	2 J	ND
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	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	1 J	ND
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**	ND	**9 J**	ND	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	ND	0.3 B, J
117-84-0	Di-n-octyl phthalate	50 (G)	(µg/L)	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	ND	ND
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	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	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	1 J	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	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	ND	ND
105-67-9	2,4-Dimethylphenol	50	(µg/L)	4 J	ND	18	NA	**51**	2 J	ND	ND	ND	ND	ND	1 J	3 J	3 J	11	39	46	ND
206-44-0	Fluoranthene	50 (G)	(µg/L)	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	ND	ND
91-57-6	2-Methylnaphthalene	NS	(µg/L)	6 J	ND	5 J	NA	2 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3 J	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	1 J	**2 J**	**2 J**	**13**	**14**	ND
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**	22	ND
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	**15**	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	ND	ND
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**	**2 J**	ND
129-00-0	Pyrene	50 (G)	(µg/L)	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	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	ND	ND
	Total SVOCs			162	ND	184	NA	75	5	2	7	4	ND	5	5	40	12	22	83	107	0.3

Notes:
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ID7 = 4-Methylphenol concentration is the sum of 3- and 4-Methylphenol.
CF6 = Results confirmed by reanalysis
B = Compound was found in the blank and sample.
E = Concentration exceeds method limit.
* = RPD of the LCS and LCSD exceeds the control limits
QSU = Sulfur (EPA 3660) clean-up performed on extract.

Appendix B-3

Sump Historically Detected Compounds

Cherry Farm Sump Samples Historically Detected Compounds		NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID:	S-4	S-4	S-4	S-4	S-4	S-4	S-4	S-4	S-4	S-4	S-4	S-4	S-4	S-4	S-4	S-4	S-4	S-4
			Lab Sample ID:	G5118	H1025	H7398		M0297	N5018	Q4028	R7178	S7279	T6910	V4635	Z7445	A7427	B4293	E1191	0508015-002A	0603095-005A	A7E985013
			Source:	OBG	OBG	OBG		OBG	OBG	OBG	OBG	OBG	OBG	OB	OB	OB	OB	OB	OB	LSL-BL	TA
			SDG:	5116	6857	7810		1516	3880	5512	7645	9259	739	2494	4203	5716	6968	6968	6968	6030950	A07-E985
			Matrix:	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
			Sampled:	11/20/1997	2/20/1998	5/28/1998	10/21/1998	4/21/1999	11/10/1999	4/28/2000	12/14/2000	6/19/2001	12/12/2001	6/19/2002	12/17/2002	6/23/2003	12/16/2003	6/9/2004	8/1/2005	3/21/2006	12/27/2007
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	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	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	ND	ND
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	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	0.018 J, P	0.030 J
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	ND	0.011 J
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	ND	ND
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	ND	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	ND	0.039 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	ND	0.046 J
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	0.0027 J	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	ND	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	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	0.0063 J, P	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	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	0.0068 J, P	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	0.0023 J, P	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	ND	0.019 J
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	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	0.018 J, P	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	0.0541	0.145
	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	**0.96 J**	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**	ND	**0.46 J**
11141-16-5	Aroclor-1232		(µg/L)	ND	ND	ND	NA	ND	ND	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	ND	ND
	Total PCBs			ND	ND	ND	NA	1.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.77	0.95	0.96	0.46
	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	125 B	1,920
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	**3.1 B**	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	11.1	7.3 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	13.7 B	19.3
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	ND	0.49 B
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	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	114,000	34,800
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	ND	2.5 B
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	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	ND	1.7 B	ND	ND	4.5 B
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	**473**	**1,110**
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	ND	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	708 B	4,640
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	28.5 E	32.2
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	0.21	ND
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	2.4 B	8.7 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	54,400	11,500
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	3.8 B	10.0 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	ND	1.3 B
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**	**52,400**	5,140
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	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	9.2 B	8.4
7440-66-6	Zinc	2,000 (G)	(µg/L)	13.2 B	490	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	3.9 B	15.5
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	24.2	ND
	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	169,803	59,220

Notes:
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ND = Indicates compound was analyzed for, but not detected at or above the reporting limit.
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ID7 = 4-Methylphenol concentration is the sum of 3- and 4-Methylphenol.
CF6 = Results confirmed by reanalysis
B = Compound was found in the blank and sample.
E = Concentration exceeds method limit.
* = RPD of the LCS and LCSD exceeds the control limits
QSU = Sulfur (EPA 3660) clean-up performed on extract.

Appendix B-3

Sump Historically Detected Compounds

Cherry Farm Sump Samples Historically Detected Compounds		NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID:	S-4	S-4	S-4	S-4	S-4	S-4	S-4	S-4	S-4	S-4	S-4	S-4	S-4	S-4	S-4	S-4	S-4
			Lab Sample ID:	A8E30608	RSI0312-04	RTF0860-05	480-2227-4	480-14339-4	480-23637-4	480-38452-2	480-56862-4	480-70664-6	480-83621-7	480-101880-5	480-114997-4	480-125448-1	480-141984-13	480-155595-9	480-167686-1	480-177100-7	480-190061-9
			Source:	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA
			SDG:	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	480-190061
			Matrix:	Water	Water	Water	Water	Water	Water	Water	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
			Sampled:	11/10/2008	9/9/2009	6/11/2010	3/4/2011	12/21/2011	8/8/2012	5/16/2013	3/28/2014	11/4/2014	7/9/2015	6/17/2016	3/23/2017	10/4/2017	9/17/2018	6/26/2019	3/18/2020	10/22/2020	9/23/2021
CAS NO.	COMPOUND		UNITS:																		
	VOLATILES																				
67-64-1	Acetone	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.1 J	ND	3.0 J	ND	19 J	ND	ND	ND	ND
71-43-2	Benzene	1	(µg/L)	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	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
75-34-3	1,1-Dichloroethane	5	(µg/L)	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	0.99 J
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
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
540-59-0	1,2-Dichloroethene (total)	NS	(µg/L)	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	ND
100-41-4	Ethylbenzene	5	(µg/L)	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	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)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.4 J	ND	ND	ND	ND
127-18-4	Tetrachloroethene	5	(µg/L)	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	ND
108-88-3	Toluene	5	(µg/L)	ND	1.4	1.2	1.0	1.3	1.1	1.2	1.5	0.97 J	ND	1.1	ND	ND	ND	ND	1.0 J	ND	ND
79-01-6	Trichloroethene	5	(µg/L)	ND	0.70 J	0.55 J	0.49 J	0.63 J	0.73 J	0.87 J	0.81 J	0.63 J	0.47 J	0.77 J	0.46 J	ND	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
1330-20-7	Xylene (total)	5	(µg/L)	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	ND
	Total VOCs			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	0.99
	SEMIVOLATILES																				
83-32-9	Acenaphthene	20 (G)	(µg/L)	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	ND
208-96-8	Acenaphthylene	NS	(µg/L)	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	ND
120-12-7	Anthracene	50(G)	(µg/L)	ND	ND	ND	ND	ND	0.93 J	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	ND
205-99-2	Benzo[b]fluoranthene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	**0.65 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND
117-81-7	bis(2-Ethylhexyl)phthalate	5	(µg/L)	ND	ND	ND	2.5 J,B	ND	ND	ND	ND	3.4 J	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	0.70 J B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
86-74-8	Carbazole	NS	(µg/L)	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	ND
59-50-7	4-Chloro-3-methylphenol	1	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.0 J	ND	ND	ND	**4.8 J**	ND	ND	ND	ND
84-74-2	Di-n-butyl phthalate	50	(µg/L)	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	ND
117-84-0	Di-n-octyl phthalate	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	2.5 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
132-64-9	Dibenzofuran	NS	(µg/L)	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	ND
95-50-1	1,2-Dichlorobenzene	3	(µg/L)	ND	ND	0.48 J, B	ND	ND	ND	0.85 J	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	0.51 J	0.79 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
106-46-7	1,4-Dichlorobenzene	3	(µg/L)	ND	ND	ND	ND	0.47 J	ND	1.9 J	0.93 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
84-66-2	Diethyl phthalate	50 (G)	(µg/L)	0.6 J B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.28 J	ND	ND	ND	ND	ND
131-11-3	Dimethyl phthalate	50 (G)	(µg/L)	ND	ND	ND	ND	0.77 J	ND	1.9 J	ND	1.9 J	3.1 J	ND	ND	1.4 J *	ND	ND	ND	ND	ND
105-67-9	2,4-Dimethylphenol	50	(µg/L)	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	2.5 J
206-44-0	Fluoranthene	50 (G)	(µg/L)	ND	ND	ND	ND	ND	0.73 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
86-73-7	Fluorene	50 (G)	(µg/L)	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	ND
91-57-6	2-Methylnaphthalene	NS	(µg/L)	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	ND
95-48-7	2-Methylphenol	1	(µg/L)	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**	ND
106-44-5	4-Methylphenol	1	(µg/L)	1 J	**11 ID7**	**7.8 J**	**11**	**22**	**24**	**19**	**18**	**9.5**	ND	**27**	ND	ND	ND	ND	**5.5 J**	ND	ND
91-20-3	Naphthalene	10 (G)	(µg/L)	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	ND
85-01-8	Phenanthrene	50 (G)	(µg/L)	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	ND
108-95-2	Phenol	1	(µg/L)	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	0.53 J	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	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	0.66 J	ND	0.52 J	ND	ND	ND	ND	ND	ND	ND	ND	2.5 J	ND	ND
	Total SVOCs			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	2.5

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* = 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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			Lab Sample ID:	A8E30608	RSI0312-04	RTF0860-05	480-2227-4	480-14339-4	480-23637-4	480-38452-2	480-56862-4	480-70664-6	480-83621-7	480-101880-5	480-114997-4	480-125448-1	480-141984-13	480-155595-9	480-167686-1	480-177100-7	480-190061-9
			Source:	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA
			SDG:	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	480-190061
			Matrix:	Water	Water	Water	Water	Water	Water	Water	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
			Sampled:	11/10/2008	9/9/2009	6/11/2010	3/4/2011	12/21/2011	8/8/2012	5/16/2013	3/28/2014	11/4/2014	7/9/2015	6/17/2016	3/23/2017	10/4/2017	9/17/2018	6/26/2019	3/18/2020	10/22/2020	9/23/2021
CAS NO.	COMPOUND		UNITS:																	
	PESTICIDES																			
309-00-2	Aldrin	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	0.019 J	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	**0.012 J B**	**0.014 J**	ND	0.0097 J	ND	0.0086 J	ND	**0.016 J**	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	ND	**0.049 J**	ND	ND
319-86-8	delta-BHC	0.04	(µg/L)	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	ND
58-89-9	gamma-BHC (Lindane)	0.05	(µg/L)	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	0.016 J
5103-71-9	alpha-Chlordane	0.05	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
5103-74-2	gamma-Chlordane	0.05	(µg/L)	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	ND
72-54-8	4,4'-DDD	0.3	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.011 J	ND	ND	ND	ND **1	ND	ND
72-55-9	4,4'-DDE	0.2	(µg/L)	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	ND
50-29-3	4,4'-DDT	0.2	(µg/L)	0.040 J	ND	ND	ND	ND	ND	0.022 J	ND	ND	ND	ND	ND	ND	ND	ND	ND **1	ND	ND
60-57-1	Dieldrin	0.004	(µg/L)	ND	ND	ND	ND	ND	ND	**0.011 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
959-98-8	Endosulfan I	NS	(µg/L)	0.064	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.043 J	ND	ND	ND	0.051	ND	0.028 J
33213-65-9	Endosulfan II	NS	(µg/L)	0.019 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.10	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 **1	ND	ND
72-20-8	Endrin	NS	(µg/L)	**0.029**	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
53494-70-5	Endrin ketone	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.022 J	0.018 JB	ND	ND	ND
76-44-8	Heptachlor	0.04	(µg/L)	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	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
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			0.346	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	0.044
	PCBs																				
12674-11-2	Aroclor-1016	Sum of all PCBs < 0.09	(µg/L)	ND	ND	**2.0 QSU**	**2.6**	**2.7**	**1.7**	ND	**1.9**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
53469-21-9	Aroclor-1242		(µg/L)	**1.4**	**3.5**	ND	ND	ND	ND	**2.2**	ND	ND	ND	ND	ND	**0.73**	**2.6**	ND	ND	ND	ND
11141-16-5	Aroclor-1232		(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	**7.6**	**1.7**	**0.79**	**4.4**	ND	ND	ND	**5.1**	**2.6**	**3.3**
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
	Total PCBs			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	3.3
	INORGANICS																				
7429-90-5	Aluminum	NS	(µg/L)	42.4 B	316 B	532 CF6	620	460	500	460	400	570	120 J	350	ND	ND	ND	220	650	190 J	340 B
7440-36-0	Antimony	3	(µg/L)	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)	4.6 B	9.4 J	ND	ND	ND	8.8 J	6.1 J	ND	ND	8.2 J	ND	ND	ND	ND	ND	7.4 J	ND	ND
7440-39-3	Barium	1,000	(µg/L)	9.6	19.3	20.8 CF6	22	30	23 B	30	31	32	40	45	85	110	79	15	27	32	29
7440-41-7	Beryllium	3 (G)	(µg/L)	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
7440-70-2	Calcium	NS	(µg/L)	54,000	121,000 B	107,000	89,200 B	98,000 B	93,200	111,000	96,100	96,000	140,000	70,000 B	201,000	445,000	246,000	49,700	111,000	117,000	95,800
7440-47-8	Chromium	50	(µg/L)	1.6 B	1.2 J	ND	1.0 J	13	ND	ND	1.2 J	ND	1.1 J	ND	ND	3.5 J	ND	1.4 J	6.0	ND	ND
7440-48-4	Cobalt	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.8	ND	ND	ND	ND	ND
7440-50-8	Copper	200	(µg/L)	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	ND
7439-89-6	Iron	300	(µg/L)	86.6	**370**	82	71	**370**	**720**	130	22 J	96	**520**	200	**370**	**7,800**	**620**	260	**710**	83	140
7439-92-1	Lead	25	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	4.8 J	ND	ND	3.8 J	3.4 J	ND	ND	ND	ND	ND
7439-95-4	Magnesium	35,000 (G)	(µg/L)	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	4,000
7439-96-5	Manganese	300	(µg/L)	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	73 B
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
7440-02-0	Nickel	100	(µg/L)	4.0 B	4.5 J	ND	2.0 J	8.5 J	ND	1.3 J	1.8 J	ND	ND	1.6 J	16	**310**	5.3 J	14	2.1 J	1.6 J	ND
7440-09-7	Potassium	NS	(µg/L)	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	65,600
7782-49-2	Selenium	10	(µg/L)	ND	ND	ND	**12 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	ND	ND
7440-23-5	Sodium	20,000	(µg/L)	**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**	**173,000**
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
7440-62-2	Vanadium	NS	(µg/L)	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	5.2
7440-66-6	Zinc	2,000 (G)	(µg/L)	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	6.7 JB
57-12-5	Cyanide	200	(µg/L)	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	38
	Total Inorganics			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	339,032

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:	SW-1	SW-1	SW-1	SW-1	SW-1	SW-1
			Lab Sample ID:	G5192	H0921	H7401	M0192	A9751102	R7147
			Source:	OBG	OBG	OBG	OBG	OBG	OBG
			SDG:	5116	6847	7810	1489	11090	7645
			Matrix:	Water	Water	Water	Water	Water	Water
			Sampled:	11/21/1997	2/18/1998	5/28/1998	4/20/1999	11/9/1999	12/13/2000
CAS NO.	COMPOUND		UNITS:						
	VOLATILES								
67-64-1	Acetone	50 (G)	(µg/L)	U	U	U	U	U	U
75-15-0	Carbon disulfide	60 (G)	(µg/L)	U	U	U	5 J	U	U
75-09-2	Methylene chloride	5	(µg/L)	U	U	U	U	U	U
1330-20-7	Xylene (total)	5	(µg/L)	U	U	U	U	U	2 J
	Total VOCs			ND	ND	ND	5	ND	2
	SEMIVOLATILES								
117-81-7	bis(2-Ethylhexyl)phthalate	5	(µg/L)	U	U	1 J	U	U	4 J
84-74-2	Di-n-butyl phthalate	50	(µg/L)	U	U	U	U	U	U
	Total SVOCs			ND	ND	1	ND	ND	4
	PESTICIDES								
319-84-6	alpha-BHC	0.01	(µg/L)	0.0031 J, P	0.0068 J	U	0.0083 J, P, B		0.006 J
319-85-7	beta-BHC	0.04	(µg/L)	U	U	U	U	U	0.0087 J, P
319-86-8	delta-BHC	0.04	(µg/L)	U	U	U	U	U	U
72-54-8	4,4'-DDD	0.3	(µg/L)	0.0022 J, P	U	U	0.002 J	U	0.0031 J, P
72-55-9	4,4'-DDE	0.2	(µg/L)	0.021 J	0.0019 J, P	0.0032 J, P	U	U	U
50-29-3	4,4'-DDT	0.2	(µg/L)	0.1 J, P	U	U	U	U	U
60-57-1	Dieldrin	0.004	(µg/L)	U	U	0.0016 J, P	0.00096 J, P	U	0.0038 J, P
33213-65-9	Endosulfan II	NS	(µg/L)	U	0.0059 J	U	0.00052 J, P	U	U
1031-07-8	Endosulfan sulfate	NS	(µg/L)	U	U	0.001 J, P	0.0018 J, P	U	U
72-20-8	Endrin	0.2	(µg/L)	U	U	0.0017 J, P	0.00056 J, P	U	0.0032 J, P
7421-93-4	Endrin aldehyde	5 (G)	(µg/L)	U	0.0059 J, P	U	U	U	U
58-89-9	gamma-BHC (Lindane)	0.05	(µg/L)	U	0.0023 J	0.0019 J, P, B	U	U	U
5103-74-2	gamma-Chlordane	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	25	(µg/L)	U	U	7.2 B	5.2 B	8.9 B	5 B
7440-39-3	Barium	1000	(µg/L)	12.2 B	33.9 B	26 B	50.3 B	51.4 B	37.6 B
7440-41-7	Beryllium	3 (G)	(µg/L)	U	0.08 B	U	U	U	0.27 B
7440-70-2	Calcium	NS	(µg/L)	34600	68900	134000	189000	152000	125000
7440-47-8	Chromium	50	(µg/L)	2.6 B	7.4 B	U	8.7 B	U	10.3
7440-48-4	Cobalt	5	(µg/L)	U	U	U	U	U	U
7440-50-8	Copper	200	(µg/L)	3.4 B	8.1 B	U	3.6 B	4.3 B	2.5 B
7439-89-6	Iron	300	(µg/L)	300	**2030**	**352**	223	282	**473**
7439-92-1	Lead	50	(µg/L)	U	10.2	U	U	U	2.3 B
7439-95-4	Magnesium	35000 (G)	(µg/L)	11000	19200	**57900**	**53200**	**40400**	29800
7439-96-5	Manganese	300	(µg/L)	6.4 B	70.5	220	71.6	39.8	93
7439-97-6	Mercury	0.7	(µg/L)	1.2 B	3.6 B	2.3 B	3.2 B	3.6 B	3.1 B
7440-02-0	Nickel	100	(µg/L)	4330 B	9890	76900	66300	46700	29200 E
7440-09-7	Potassium	NS	(µg/L)	4.4 B	U	U	U	9.8	2.4 B
7782-49-2	Selenium	10	(µg/L)	U	U	U	U	U	U
7440-22-4	Silver	50	(µg/L)	6090	**30400**	**134000**	**133000**	**79400**	**93600**
7440-23-5	Sodium	20000	(µg/L)	6090	**30400**	**134000**	**133000**	79400	93600
7440-62-2	Vanadium	NS	(µg/L)	1.2 B	6.4 B	1.2 B	9.9 B	U	2.9 B
7440-66-6	Zinc	2000 (G)	(µg/L)	6.5 B	29.9	9.3 B	23.7	15.8 B	15.4 B
57-12-5	Cyanide	200	(µg/L)	U	U	U	U	U	U
	Total Inorganics			62,711	163,620	537,495	575,061	398,631	372,231

Notes:
NYSDEC June 1998 Ambient Water Quality Standards and Guidance Values for Groundwater Class GA.
Bold and shaded values exceed the NYSDEC Class GA groundwater standard/guidance value.
NS = No Standard
(G) = Guidance Value

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

B (organics) = The analyte was found in the associated blank, as well as in the sample
J or B (inorganics) = Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
J (organics) = Indicates an estimated value

Appendix B-4

Surface Water Collection SW-1 Historically Detected Compounds

Cherry Farm Surface Water Historically Detected Compounds		NYSDEC Class A Surface Water Standards/ Guideline Values	Sample ID:	SW-1	SW-1	SW-1	SW-1	SW-1	SW-1
			Lab Sample ID:	T7110	Z7446	B4289	E1194	0603095-001A	A7E985015
			Source:	OBG	OB	OB	OB	LSL-BL	TA
			SDG:	764	4203	6968	6968	6030950	A07-E985
			Matrix:	Water	Water	Water	Water	Water	Water
			Sampled:	12/13/2001	12/17/2002	12/16/2003	6/9/2004	3/21/2006	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	0.04	(µg/L)	U	U	0.02 J	U	U	U
319-86-8	delta-BHC	0.04	(µg/L)	U	U	U	U	0.0017 J, P, B	U
72-54-8	4,4'-DDD	0.3	(µg/L)	U	U	U	U	0.0019 J, P	U
72-55-9	4,4'-DDE	0.2	(µg/L)	U	U	U	U	U	U
50-29-3	4,4'-DDT	0.2	(µg/L)	U	U	U	U	U	U
60-57-1	Dieldrin	0.004	(µg/L)	0.0016 J, P, B	U	U	U	0.0027 J, P	U
33213-65-9	Endosulfan II	NS	(µg/L)	U	U	U	U	U	U
1031-07-8	Endosulfan sulfate	NS	(µg/L)	U	U	U	U	U	U
72-20-8	Endrin	0.2	(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								
7429-90-5	Aluminum	NS	(µg/L)	127 B	157 B	152 B	528	72.6 B	1180
7440-36-0	Antimony	3	(µg/L)	U	U	2.6 B	U	2.7 B	U
7440-38-2	Arsenic	25	(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	Calcium	NS	(µg/L)	192000	138000	152000	137000	146000	132000
7440-47-8	Chromium	50	(µg/L)	7.6 B	6 B	4.1 B	4.4 B	2.9 B	2.8 B
7440-48-4	Cobalt	5	(µg/L)	1.1 B	U	U	U	U	U
7440-50-8	Copper	200	(µg/L)	1.9 B	3.2 B	U	1.1 B	1.5 B	U
7439-89-6	Iron	300	(µg/L)	**305**	239	188	**1070**	81.9 B	172
7439-92-1	Lead	50	(µg/L)	U	U	U	2 B	U	U
7439-95-4	Magnesium	35000 (G)	(µg/L)	**56300**	**38900**	38400	**48800**	**41000**	31900
7439-96-5	Manganese	300	(µg/L)	48.7	12.8 B	7.8 B	**541**	8.3 B, E	8.9
7439-97-6	Mercury	0.7	(µg/L)	4.7 B	U	1.5 B	0.04 B	0.011 B	U
7440-02-0	Nickel	100	(µg/L)	59600	28800	28500	4.2 B	2.2 B	U
7440-09-7	Potassium	NS	(µg/L)	2.6 B	3.3 B	3.8 B	50800	32600	24400
7782-49-2	Selenium	10	(µg/L)	U	1.5 B	U	U	3.6 B	**10.3 B**
7440-22-4	Silver	50	(µg/L)	**99300**	**82700**	67700	U	U	U
7440-23-5	Sodium	20000	(µg/L)	99300	82700	67700	**106000**	**112000**	**92200**
7440-62-2	Vanadium	NS	(µg/L)	2.7 B	4.3 B	2.3 B	3.4 B	U	3.4 B
7440-66-6	Zinc	2000 (G)	(µg/L)	15.9 B	15.5 B	5.3 B	12.3 B	5.6 B	6.1 B
57-12-5	Cyanide	200	(µg/L)	U	U	U	U	3.6 B	U
	Total Inorganics			507,069	371,583	354,711	344,821	178,744	281,933

Notes:
NYSDEC June 1998 Ambient Water Quality Standards and Guidance Values for 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:	SW-2	SW-3	SW-3	SW-3
			Lab Sample ID:	G5193	G5117	N4876	Q3847
			Source:	OBG	OBG	OBG	OBG
			SDG:	5116	5116	3856	5490
			Matrix:	Water	Water	Water	Water
			Sampled:	11/21/1997	11/20/1997	11/9/1999	4/26/2000
CAS NO.	**COMPOUND**		**UNITS:**				
	VOLATILES						
67-64-1	Acetone	50 (G)	(µg/L)	2 J	U	U	U
	Total VOCs			2	ND	ND	ND
	SEMIVOLATILES						
	None Detected						
	Total SVOCs			ND	ND	ND	ND
	PESTICIDES						
309-00-2	Aldrin	0.022 (G)	(µg/L)	U	U	U	0.0017 J, P
319-84-6	alpha-BHC	0.01	(µg/L)	U	U	U	U
319-85-7	beta-BHC	0.04	(µg/L)	U	U	U	U
319-86-8	delta-BHC	0.04	(µg/L)	U	U	U	U
72-54-8	4,4'-DDD	0.3	(µg/L)	U	U	0.0015 J, P	0.0014 J, P
72-55-9	4,4'-DDE	0.2	(µg/L)	0.0043 J, P	U	U	U
50-29-3	4,4'-DDT	0.2	(µg/L)	0.0014 J, P	U	U	U
60-57-1	Dieldrin	0.004	(µg/L)	U	U	**0.0064 J, P**	U
33213-65-9	Endosulfan II	NS	(µg/L)	U	U	0.0013 J, P	U
1031-07-8	Endosulfan sulfate	NS	(µg/L)	U	U	0.0021 J, P	U
72-20-8	Endrin	0.2	(µg/L)	U	U	0.0018 J, P	U
7421-93-4	Endrin aldehyde	5 (G)	(µg/L)	U	U	0.0016 J, P	U
58-89-9	gamma-BHC (Lindane)	0.05	(µg/L)	U	U	U	U
5103-74-2	gamma-Chlordane	0.05	(µg/L)	U	U	U	U
72-43-5	Methoxychlor	35	(µg/L)	U	0.012 J	U	U
	Total Pesticides			0.0057	0.012	0.0147	0.0031
	PCBs						
	None Detected						
	Total PCBs			ND	ND	ND	ND
	INORGANICS						
7429-90-5	Aluminum	NS	(µg/L)	687	358	271	203
7440-38-2	Arsenic	25	(µg/L)	U	U	5 B	5.1 B
7440-39-3	Barium	1000	(µg/L)	20 B	25.8 B	44.3 B	35.5 B
7440-70-2	Calcium	NS	(µg/L)	38100	131000	153000	130000
7440-47-8	Chromium	50	(µg/L)	3 B	8.1 B	5.3 B, E	7.1 B
7440-50-8	Copper	200	(µg/L)	5.3 B	2.9 B	4 B	3.1 B
7439-89-6	Iron	300	(µg/L)	**1080**	**559**	**379**	291
7439-92-1	Lead	50	(µg/L)	4.6	U	U	U
7439-95-4	Magnesium	35000 (G)	(µg/L)	10200	31800	**38700**	**40300**
7439-96-5	Manganese	300	(µg/L)	25.1	56	18.5	23.4
7439-97-6	Mercury	0.7	(µg/L)	**2.3 B**	**3 B**	**3.9 B, E**	U
7440-02-0	Nickel	100	(µg/L)	**1040 B**	**24700**	**39200**	**31000**
7440-09-7	Potassium	NS	(µg/L)	U	4.2 B	3.9 B	U
7782-49-2	Selenium	10	(µg/L)	0.9 B	U	U	U
7440-22-4	Silver	50	(µg/L)	**3980 B**	**95400**	**84600 E**	**89800**
7440-23-5	Sodium	20000	(µg/L)	3980 B	95400	**84600 E**	**89800**
7440-62-2	Vanadium	NS	(µg/L)	2.2 B	3.5 B	3.5 B, E	2.6 B
7440-66-6	Zinc	2000 (G)	(µg/L)	26.2	12.1 B	41.2	14 B
57-12-5	Cyanide	200	(µg/L)	U	138	U	U
	Total Inorganics			59,157	379,471	400,880	381,485

Notes:
NYSDEC June 1998 Ambient Water Quality Standards and Guidance Values for Groundwater Class GA.
Bold and shaded values exceed the NYSDEC Class GA groundwater standard/guidance value.
NS = No Standard
(G) = Guidance Value

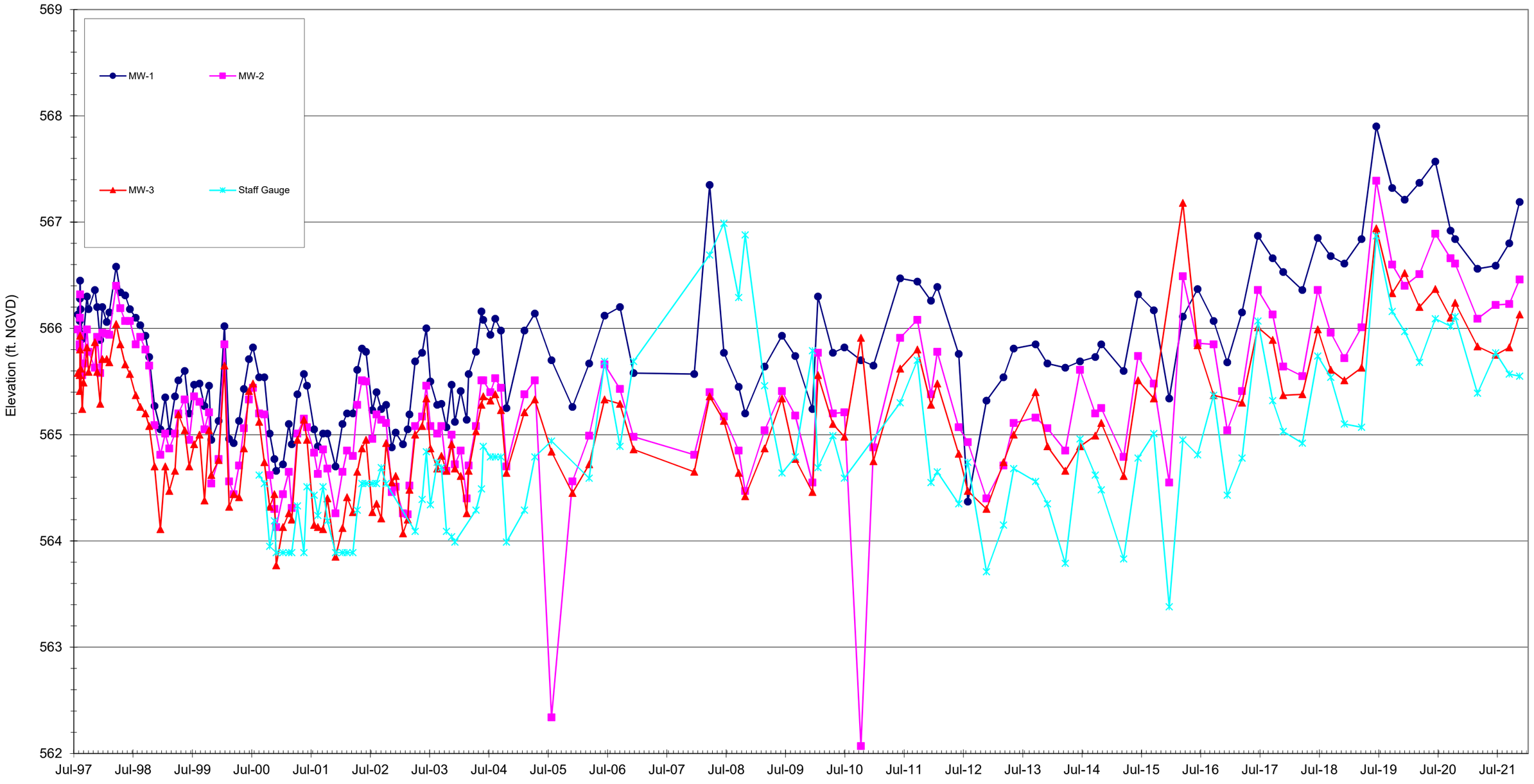
U = Indicates compound was analyzed for, but not detected at or above the reporting limit.

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 1997-2021)

Appendix B-5

Historical Hydrograph MW-1, MW-2, MW-3, and Staff Gauge

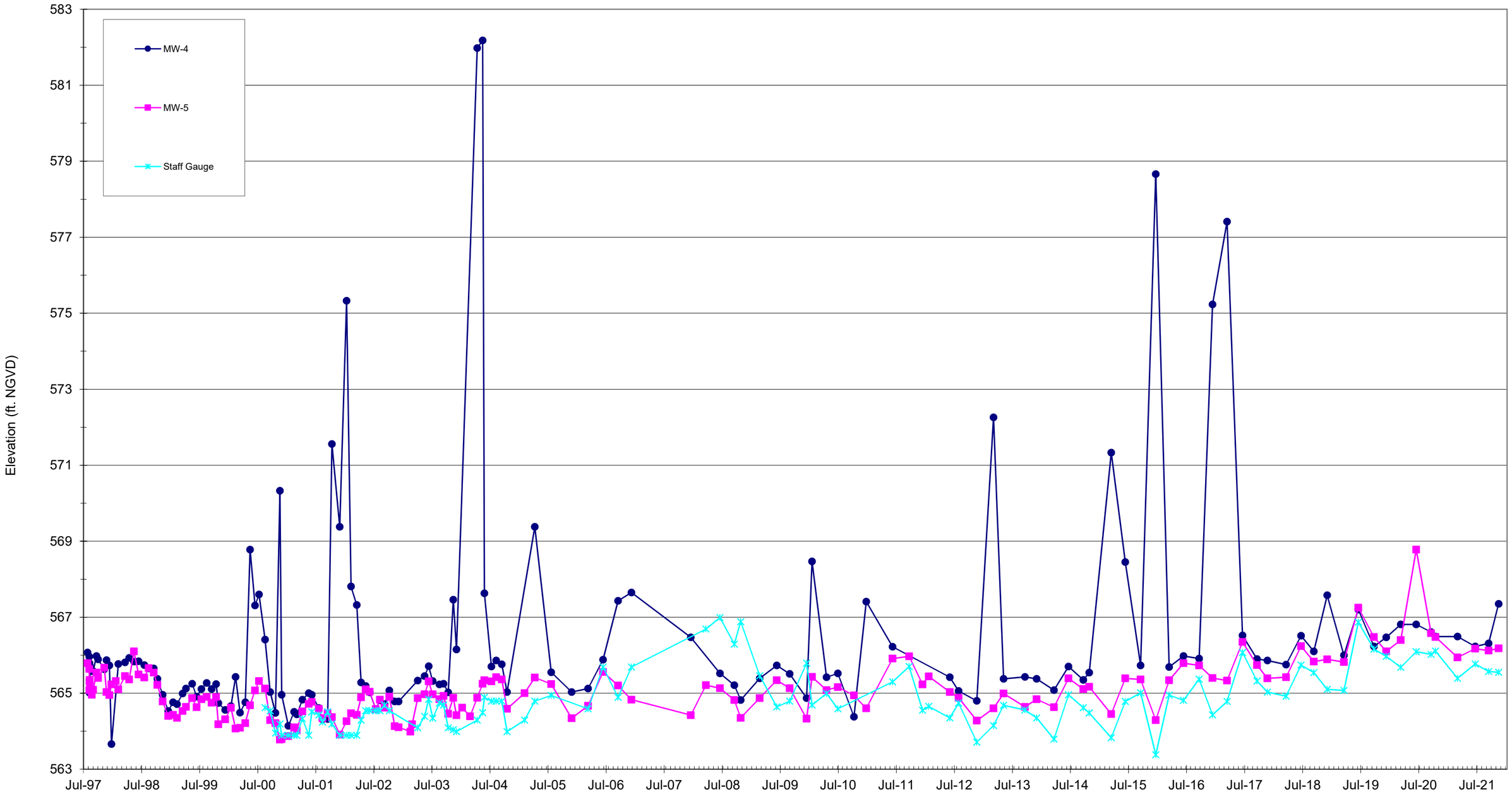


- Site wells were resurveyed on June 7, 2019, the Staff Gauge was resurveyed on October 29, 2020
- 2019 Staff Gauge elevations were adjusted based on 2020 survey data.

NGVD-National Geodetic Vertical Datum

Appendix B-5

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

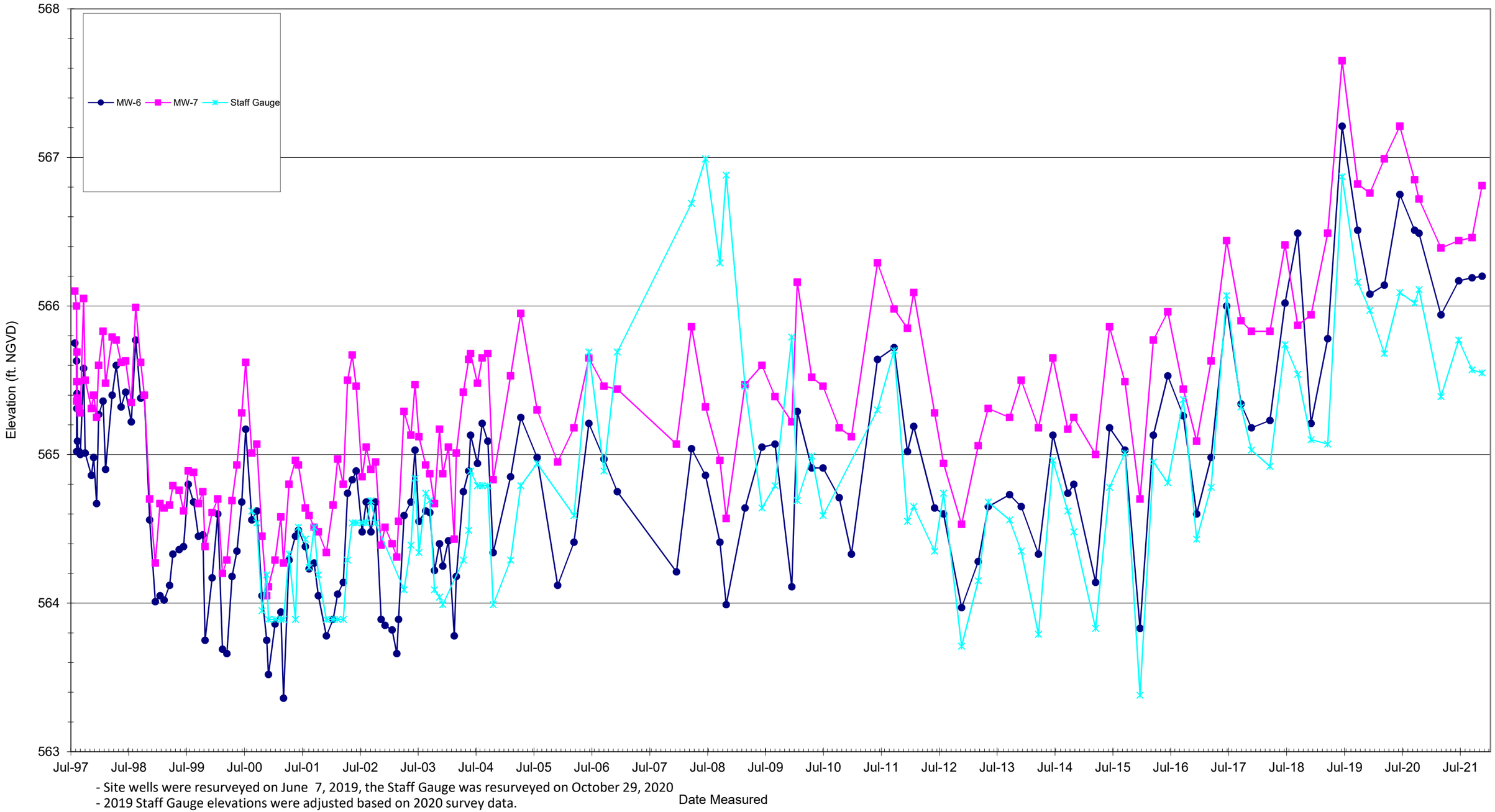


- Site wells were resurveyed on June 7, 2019, the Staff Gauge was resurveyed on October 29, 2020
- 2019 Staff Gauge elevations were adjusted based on 2020 survey data.

NGVD-National Geodetic Vertical Datum

Appendix B-5

Historical Hydrograph MW-6, MW-7, and Staff Gauge

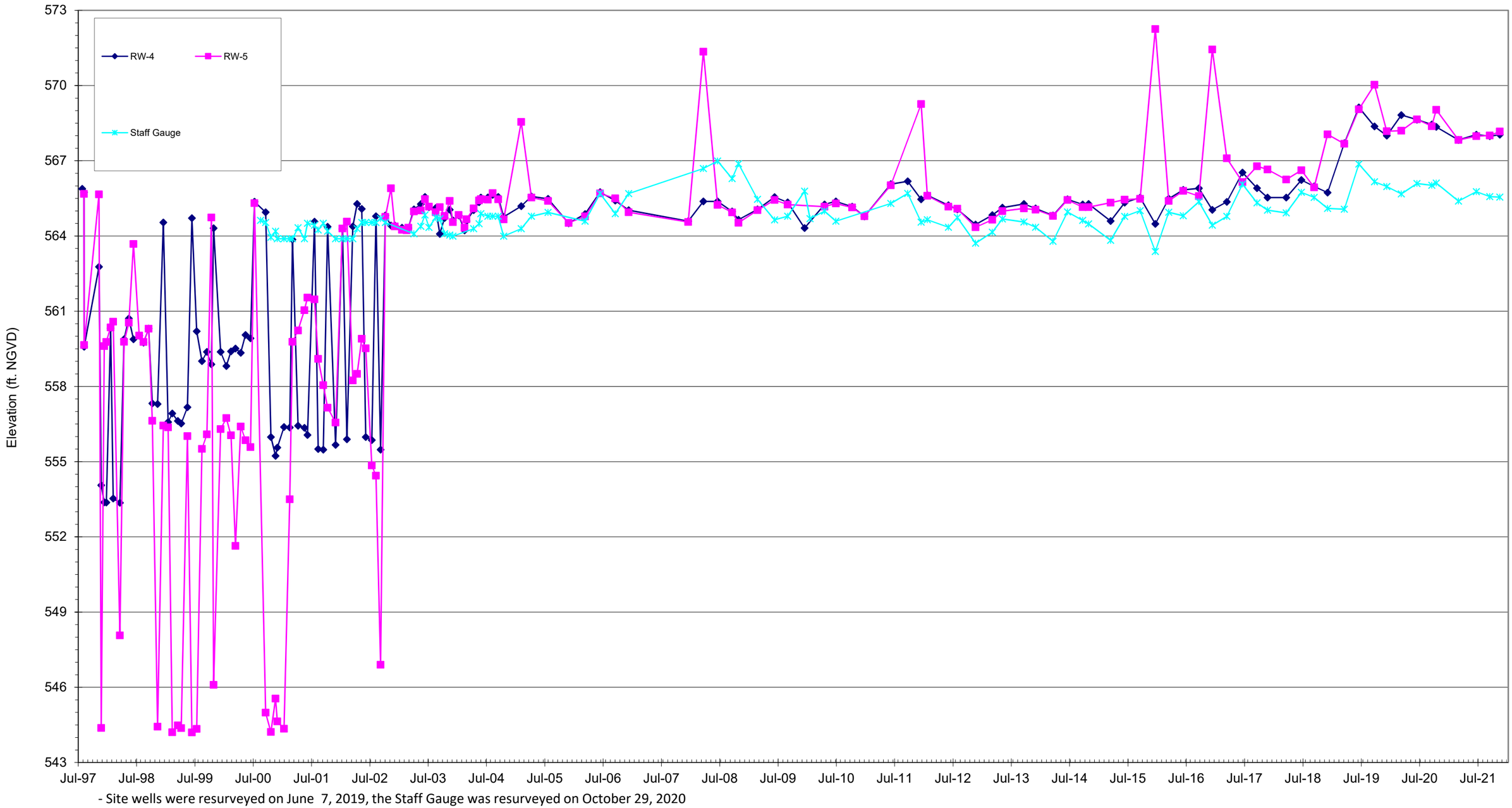


- Site wells were resurveyed on June 7, 2019, the Staff Gauge was resurveyed on October 29, 2020
- 2019 Staff Gauge elevations were adjusted based on 2020 survey data.

NGVD-National Geodetic Vertical Datum

Appendix B-5

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



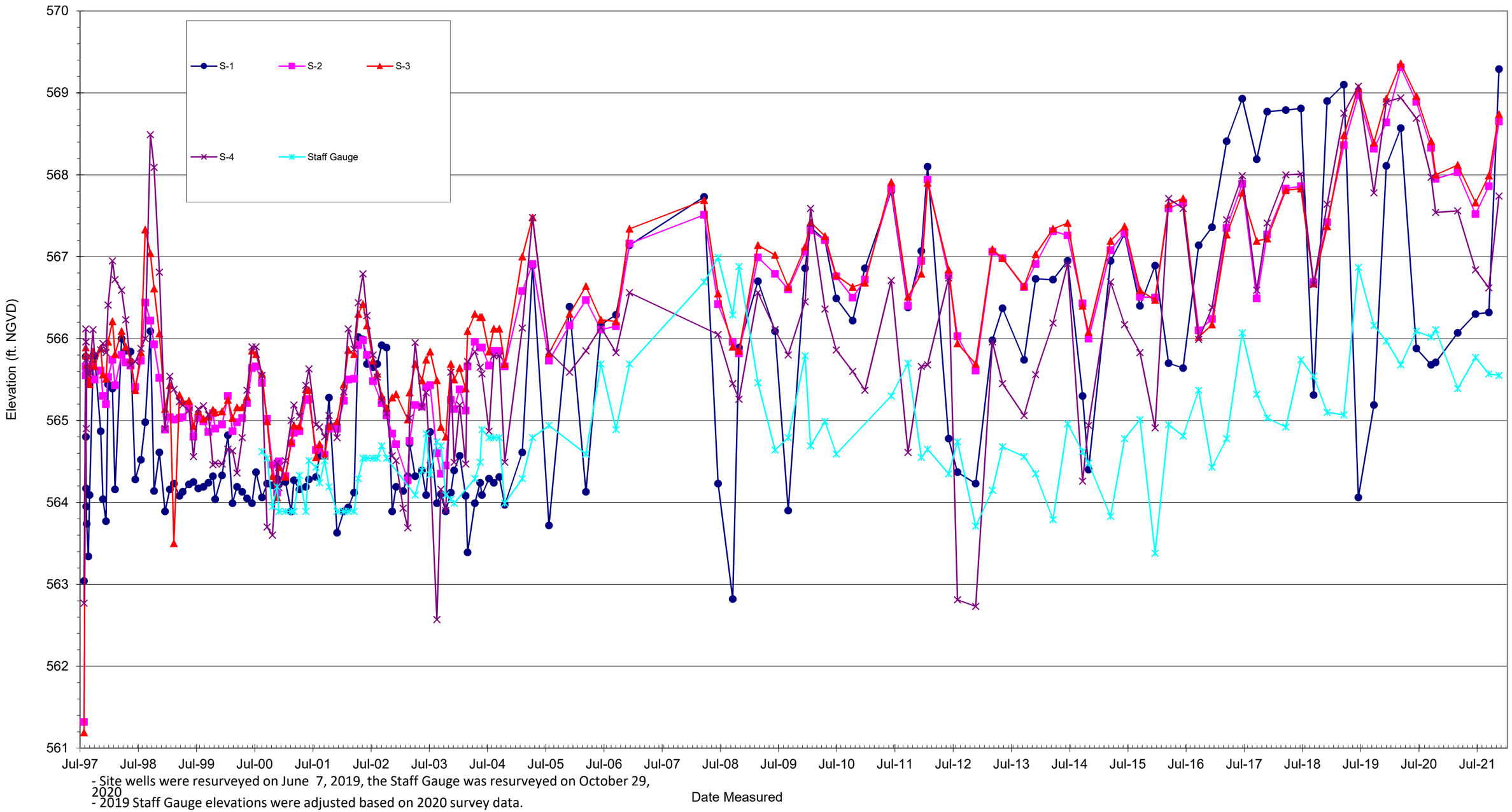
- Site wells were resurveyed on June 7, 2019, the Staff Gauge was resurveyed on October 29, 2020
- 2019 Staff Gauge elevations were adjusted based on 2020 survey data.

NGVD-National Geodetic Vertical Datum

Appendix B-6 Historical Hydrographs (Sumps and Observation Wells 1997-2021)

Appendix B-6

Historical Hydrograph S-1, S-2, S-3, S-4 and Staff Gauge

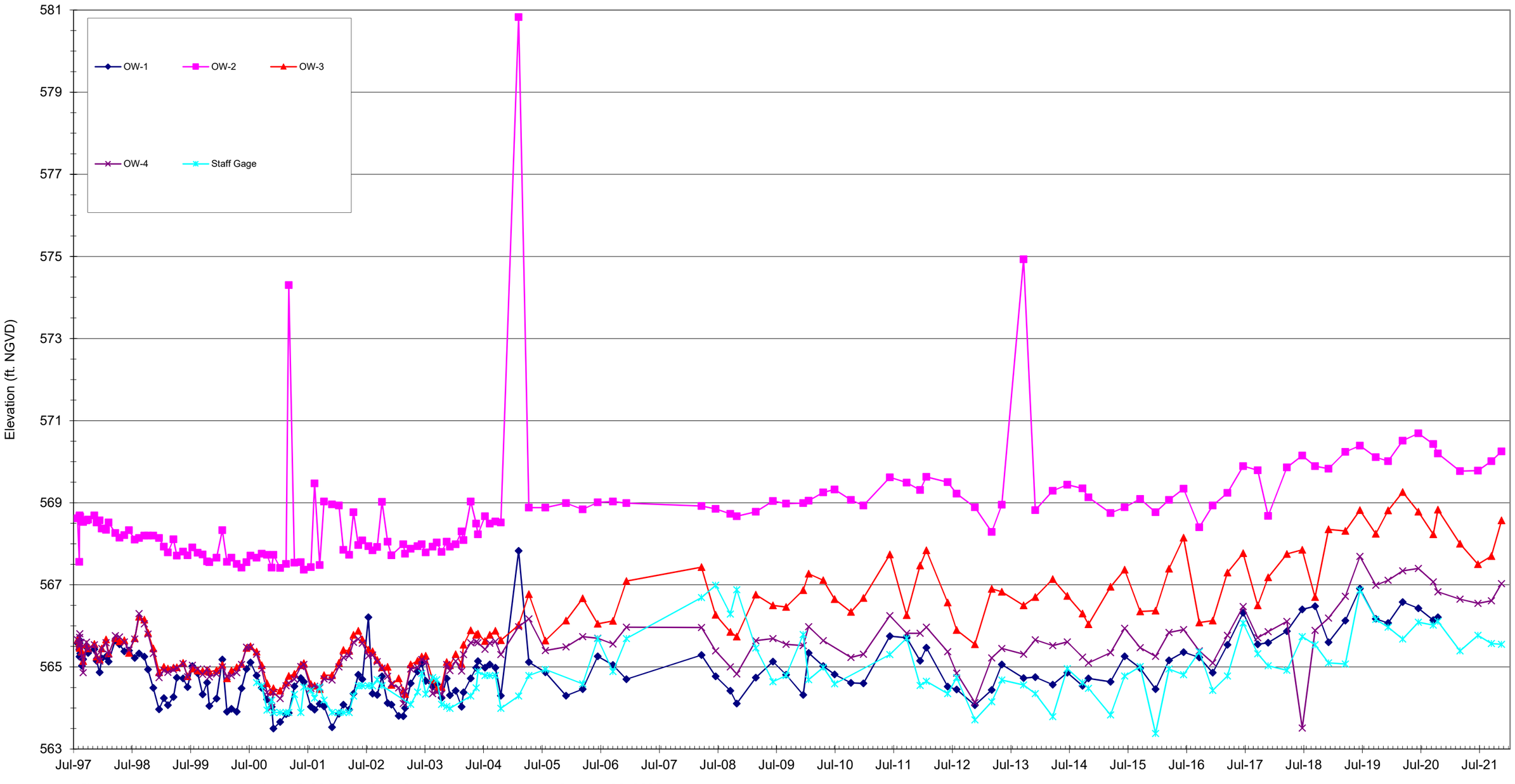


- Site wells were resurveyed on June 7, 2019, the Staff Gauge was resurveyed on October 29, 2020
- 2019 Staff Gauge elevations were adjusted based on 2020 survey data.

NGVD-National Geodetic Vertical Datum

Appendix B-6

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

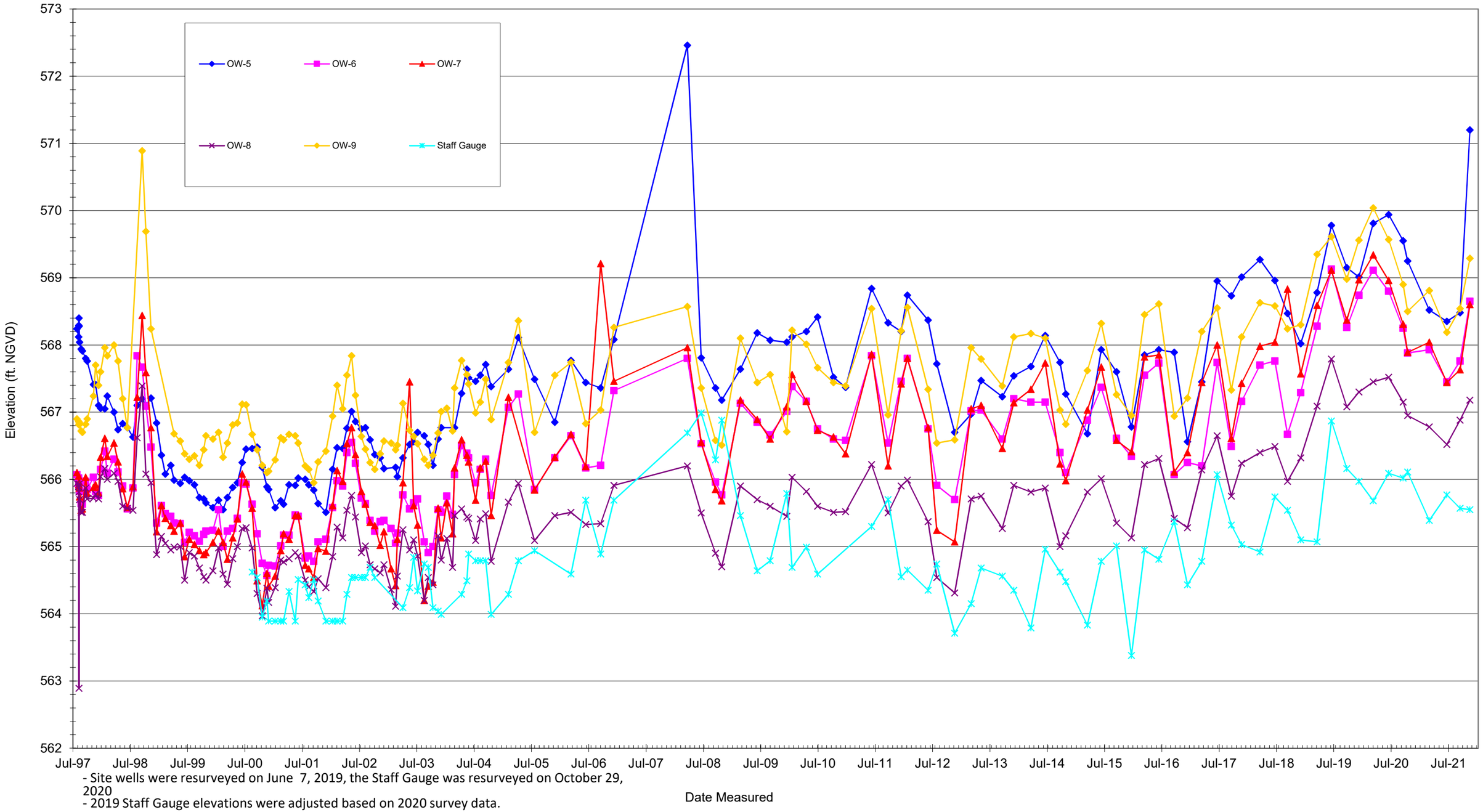


- Site wells were resurveyed on June 7, 2019, the Staff Gauge was resurveyed on October 29, 2020
- 2019 Staff Gauge elevations were adjusted based on 2020 survey data.

NGVD-National Geodetic Vertical Datum

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.

NGVD-National Geodetic Vertical Datum

Appendix C - September 2021 Groundwater Sampling Logs

WELL SAMPLING RECORD

Site Name	*Cherry Farms*	**Well ID**	*MW-4*
Samplers	*Mike Reisch*		

Total Well Depth (TOC)	49.83	feet
Initial Static Water Level (TOC)	*17.75*	feet
Well Diameter	2.0	inches

Purging Data

Method *Bailer* **Date/Time** *9/23/2021 9:45*

Well depth	DTW	Casing Vol. per foot	Water Volume	
49.83	*17.75*	*0.16*	*5.13*	gallons

Casing Volumes (gal/ft.):							
1-inch	0.041	3-inch	0.36	6-inch	1.4	10-inch	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** *9/23/2021 15:45*

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	*0 Volume*	*1 Volume*	2 Volume	*3Vol/Sample*
pH	*7.31*	*7.03*	*7.05*	*7.14*
Temp. (°C)	*12.9*	*11.5*	*11.6*	*11.4*
Spec. Cond. (mS/cm)	*0.32*	*1.63*	*1.90*	*1.85*
Turbidity (NTU)	*16.60*	*41.50*	*153.4*	*265.3*

Comments:

PSID:

Well bailed dry after 13 gallons.

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)	*18.04*	feet
Well Diameter	*2.0*	inches

Purging Data

Method *Bailer* **Date/Time** *9/23/2021 10:30*

Well depth	DTW	Casing Vol. per foot	Water Volume
49.40	*18.04*	*0.16*	*5*

Casing Volumes (gal/ft.):							
1-inch	0.041	3-inch	0.36	6-inch	1.4	10-inch	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** *9/23/2021 15:30*

Parameters	Bottle	Preservation	Method
VOC	3x 40 ml	1:1 HCl	Grab
SVOC	2x 250 mL	None	Grab
PCB	2x 250 mL	None	Grab

Field Parameters	*0 Volume*	*1 Volume*	2 Volume	*3Vol/Sample*
pH	*7.16*	*6.93*	*6.93*	*6.92*
Temp. (°C)	*13.4*	*11.9*	*11.8*	*12.1*
Spec. Cond. (mS/cm)	*0.49*	*1.35*	*1.37*	*1.37*
Turbidity (NTU)	*25.8*	*9.57*	*12.77*	*7.24*

Comments:

PSID:

MS/MSD collected at MW-5.

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)	*19.91*	feet
Well Diameter	*2.0*	inches

Purging Data

Method *Bailer* **Date/Time** *9/23/2021 9:00*

Well depth	DTW	Casing Vol. per foot	Water Volume
50.80	*19.91*	*0.16*	*4.94*

Casing Volumes (gal/ft.):							
1-inch	0.041	3-inch	0.36	6-inch	1.4	10-inch	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** *9/23/2021 15:15*

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	*7.16*	*7.13*	*7.13*	*7.11*
Temp. (°C)	*12.6*	*12.2*	*11.9*	*11.8*
Spec. Cond. (mS/cm)	*1.01*	*1.05*	*1.06*	*1.05*
Turbidity (NTU)	*6.04*	*5.87*	*12.00*	*12.00*

Comments:

PSID:

Duplicate sampled 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)	*15.40*	feet
Well Diameter	*10.0*	inches

Purging Data

Method *Low Flow Pumping* **Date/Time** *9/24/2021 12:45*

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	10-inch	4
2-inch	0.16	4-inch	0.64	8-inch	2.5		

Volume of Purge Water Removed *5* gallons

Sampling Data

Method *Grab* **Date/Time** *9/24/2021 13:40*

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		Depth to Water	pH	Temp (ºC)	Spec. Cond. (mS/cm)	Turbidity	Flow Rate (mL/min)
Elapsed Time (min)	0	*15.40*	*6.03*	*12.5*	*0.280*	*72.3*	0
	5	*15.43*	*6.01*	*13.1*	*0.283*	*39.4*	380
	10	*15.48*	*6.00*	*13.2*	*0.280*	*60.4*	380
	15	*15.51*	*6.00*	*13.2*	*0.280*	*247.4*	380
	20	*15.53*	*6.00*	*13.1*	*0.280*	*146.7*	380
	25	*15.55*	*5.99*	*13.0*	*0.280*	*24.6*	380
	30	*15.56*	*5.98*	*13.2*	*0.280*	*22.7*	380
	35	*15.59*	*5.96*	*13.2*	*0.280*	*18.4*	380
	40	*15.60*	*5.95*	*13.3*	*0.281*	*17.9*	380
	45	*15.62*	*5.95*	*13.3*	*0.281*	*17.3*	380
	50	*15.63*	*5.96*	*13.3*	*0.281*	*17.6*	380

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)	*14.89*	feet
Well Diameter	*8.0*	inches

Purging Data

Method *Low Flow Pumping* **Date/Time** *9/24/2021 10:20*

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	10-inch	4
2-inch	0.16	4-inch	0.64	8-inch	2.5		

Volume of Purge Water Removed *5* gallons

Sampling Data

Method *Grab* **Date/Time** *9/24/2021 11:10*

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 (ºC)	Spec. Cond. (mS/cm)	Turbidity	Flow Rate (mL/min)
Elapsed Time (min)	0	*15.04*	*7.43*	*15.1*	*0.628*	*10.43*	0
	5	*15.09*	*7.33*	*14.4*	*0.628*	*12.80*	380
	10	*15.11*	*7.27*	*14.5*	*0.628*	*9..8*	380
	15	*15.18*	*7.28*	*14.7*	*0.628*	*13.0*	380
	20	*15.51*	*7.29*	*14.8*	*0.628*	*13.3*	380
	25	*15.60*	*7.29*	*14.7*	*0.629*	*13.9*	380
	30	*15.67*	*7.29*	*14.6*	*0.629*	*16.1*	380
	35	*15.76*	*7.29*	*14.8*	*0.629*	*16.2*	380
	40	*15.80*	*7.28*	*14.9*	*0.629*	*16.4*	380
	45	*15.84*	*7.28*	*14.8*	*0.628*	*16.3*	380
	50	*15.87*	*7.28*	*14.8*	*0.629*	*16.0*	380

Comments: *PSID:*

SUMP WATER SAMPLING RECORD

Site Name	*Cherry Farms*	**Well ID**	*S-1*
Samplers	*Mike Reisch*		

Sample Description

Depth to Water:	6.41
Type of water body:	Sump
Physical Appearance/Odor:	*Slightly brown, no odor*
Color/Stain:	*Slightly brown*

Sampling Data

Method	*Grab*	**Date/Time**	*9/23/2021 12:30*

Parameters	Bottle	Preservation	Method
VOC	3x 40 mL	1:1 HCl	Grab
Semi Volatile	2x 250 mL	None	Grab
PCB	2x 250 mL	None	Grab
Pesticides	2x 250 mL	None	Grab
Metals	1x 250 mL	HNO3	Grab
Cyanide	1x 250 mL	NaOH	Grab

Field Parameters	
pH	*8.03*
Temp. (°C)	*19.60*
Spec. Cond. (mS/cm)	*0.304*
Turbidity (NTU)	*33.78*

Comments:

PSID:

Lots of runoff entering the sump.

SUMP WATER SAMPLING RECORD

Site Name	*Cherry Farms*	**Well ID**	*S-2*
Samplers	*Mike Reisch*		

Sample Description

Depth to Water:	4.39
Type of water body:	Sump
Physical Appearance/Odor:	*Clear, slightly gritty, no odor*
Color/Stain:	*None*

Sampling Data

Method	*Grab*	**Date/Time**	*9/23/2021 12:45*

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	*9.88*
Temp. (°C)	*17.2*
Spec. Cond. (mS/cm)	*0.509*
Turbidity (NTU)	*0.82*

Comments:

PSID:

SUMP WATER SAMPLING RECORD

Site Name	*Cherry Farms*	**Well ID**	*S-3*
Samplers	*Mike Reisch*		

Sample Description

Depth to Water:	4.44
Type of water body:	Sump
Physical Appearance/Odor:	*Clear, no odor*
Color/Stain:	*None*

Sampling Data

Method	*Grab*	**Date/Time**	*9/23/2021 13:00:00 PM*

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	*10.10*
Temp. (°C)	*18.20*
Spec. Cond. (mS/cm)	*1.07*
Turbidity (NTU)	*0.68*

Comments:

PSID:

SUMP WATER SAMPLING RECORD

Site Name	*Cherry Farms*	**Well ID**	*S-4*
Samplers	*Mike Reisch*		

Sample Description

Depth to Water:	4.63
Type of water body:	Sump
Physical Appearance/Odor:	*Clear, no odor*
Color/Stain:	*None*

Sampling Data

Method	*Grab*	**Date/Time**	*9/23/2021 13:45:00 PM*

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	*9.90*
Temp. (°C)	*15.60*
Spec. Cond. (mS/cm)	*1.67*
Turbidity (NTU)	*2.85*

Comments:

PSID:

Appendix D - 2021 Remedial System Monitoring Data and Town of Tonawanda Industrial Sewer Connection Permit

Appendix D

2021 Remedial System Monitoring Data

	Wastewater Discharge Limit	Units	1/4/2021	2/1/2021	3/4/2021	4/12/2021	5/6/2021	5/20/2021***	6/7/2021	6/14/2021	7/12/2021	8/2/2021	9/3/2021	10/7/2021	11/4/2021	12/6/2021
OWS/Influent																
PCBs																
Aroclor 1016	NA	(µg/L)	ND	ND	0.78	ND	ND	-	-	ND	ND	ND	ND	ND	ND	ND
Aroclor 1221	NA	(µg/L)	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND	ND	ND
Aroclor 1232	NA	(µg/L)	2.7	1.6	ND	1.7	2.9	-	-	2.9	3.8	4.1	ND	ND	4.1	ND
Aroclor 1242	NA	(µg/L)	ND	ND	ND	ND	ND	-	-	ND	ND	ND	3.2	2.7	ND	3.4
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)	ND	3.4 J	3.7 JB	1.6 JB	2.4 JB	-	-	4.2 JB	3.0 JB	2.8 JB	1.8 J	2.1 JB	2.1 JB	2.1 J
Between Carbon																
PCBs																
Aroclor 1016	NA	(µg/L)	ND	ND	0.23 P	0.096	ND	-	-	ND	ND	ND	ND	ND	ND	ND
Aroclor 1221	NA	(µg/L)	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND	ND	ND
Aroclor 1232	NA	(µg/L)	ND	0.5	ND	ND	ND	-	-	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	NA	(µg/L)	0.58	ND	ND	ND	0.24	-	-	ND	ND	ND	ND	ND	ND	0.083
Aroclor 1248	NA	(µg/L)	ND	ND	ND	ND	ND	-	-	ND	0.15	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)	-	-	-	-	-	-	-	-	-	-	ND	ND	-	-
ML-2 (Post-Carbon)																
PCBs																
Aroclor 1016	0.065 **	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1221	0.065 **	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1232	0.065 **	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	0.065 **	(µg/L)	ND	ND	ND	ND	**0.20**	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	ND	ND
Aroclor 1254	0.065 **	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	0.065 **	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1262	0.065 **	(µg/L)	-	-	-	-	-	ND	-	-	-	-	-	-	-	-
Aroclor 1268	0.065 **	(µg/L)	-	-	-	-	-	ND	-	-	-	-	-	-	-	-
TSS	250	(mg/L)	-	-	-	-	-	-	-	ND	-	-	-	-	ND H	-
pH	5.0-9.5	(SU)	6.8 HF	6.9 HF	7.2 HF	6.7 HF	7.3 HF	-	-	6.8 HF	7.1 HF	7.4 HF	7.3 HF	7.9 HF	6.5 HF	6.8 HF
BOD	250	(mg/L)	-	-	-	-	-	-	-	ND H	-	-	-	-	ND	-
SGT TPH	100	(mg/L)	ND	4.0 J	27.3 B	ND	ND	-	-	3.5 JB	2.3 JB	2.0 JB	ND	ND	2.4 J	ND
Total Cyanide	1.1	(mg/L)	-	-	-	-	-	-	-	0.011	-	-	-	-	0.041	-
Total Phosphorous	6	(mg/L)	-	-	-	-	-	-	-	0.032 B	-	-	-	-	0.037	-
Total Arsenic	0.5	(mg/L)	-	-	-	-	-	-	-	ND	-	-	-	-	ND	-
Total Zinc	4.4	(mg/L)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Effluent Volume	NA	(Gal.)	202,320	230,642	260,777	296,458	232,643	-	-	250,100	292,711	281,825	302,768	264,175	332,559	263,545

Notes:
BOLD = concentration exceeds permitted Wastewater Discharge Limit
- = 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
(GPM) = Gallons per month
(SU) = standard unit (logrithmic 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
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
HF = Field parameter with a holding time of 15 minutes.
P = The relative percent difference between the primary and confirmation column/detector is >40%. The lower value has been reported.
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

Permit No. 613

Modified Date: _____

PART 1 - WASTEWATER DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS

A. LOCALLY DERIVED LIMITATIONS

The industrial user shall comply with the following locally derived effluent limitations effective as of ***January 1, 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/slug 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 it potential for slug discharge.*

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. Permitees that sample more frequently than required for surchargeable parameters and have a greater then 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, 2020 to December 31, 2021

	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?	☐	X
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☐	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?	☐	X
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?	☐	X

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Closed Landfill	X	☐
7. Are all ICs in place and functioning as designed?	X	☐

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative Date

SITE NO. 915063 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
51.20-1-1	Niagara Mohawk Power Corp.	Monitoring Plan O&M Plan Building Use Restriction Landuse Restriction 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.

Box 4

Description of Engineering Controls

Parcel	Engineering 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.

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 compete.

YES	NO
X	☐

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
X	☐

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 (print name) at 300 Erie Blvd. West, Syracuse, NY 13202 (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.

Signature of Owner, Remedial Party, or Designated Representative Rendering Certification

1/28/2022
Date

EC CERTIFICATIONS

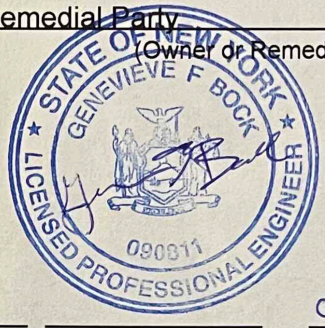
Box 7

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. (print name) at GES Engineering of New York, P.C. 1777 Veterans Memorial Hwy, Suite 20 Islandia, NY 11749 (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)

02/24/22
Date

Enclosure 2
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form

Site Details **Box 1**

Site No. 915031

Site Name River Road Site

Site Address: 4100 RIVER ROAD Zip Code: 14150
City/Town: Tonawanda
County: Erie
Site Acreage: 23.000

Reporting Period: December 31, 2020 to December 31, 2021

	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?	☐	X
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☐	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?	☐	X
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?	☐	X

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Closed Landfill	X	☐
7. Are all ICs in place and functioning as designed?	X	☐

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative Date

SITE NO. 915031 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional 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.

Box 4

Description of Engineering Controls

Parcel	Engineering 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 with the installation of a shallow groundwater recovery well along the shoreline to collect leachate. The leachate is then pumped to an onsite treatment plant with discharge to the Town of Tonawanda POTW for further treatment.

64.08-1-3	
	Fencing/Access Control
64.08-1-4	
	Fencing/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 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 compete.

YES	NO
X	☐

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
X	☐

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 Date
Rendering Certification

EC CERTIFICATIONS

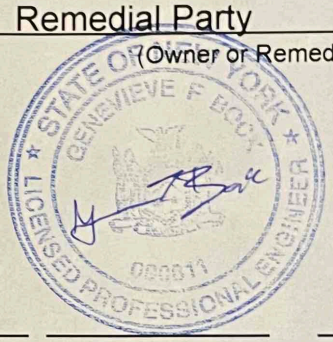
Box 7

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. (print name) at GES Engineering of New York, P.C. 1777 Veterans Memorial Hwy, Suite 20 Islandia, NY 11749 (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)	Date
		02/24/22

Appendix F - Import Request Forms

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Request to Import/Reuse Fill or Soil

This form is based on the information required by DER-10, Section 5.4(e). Use of this form is not a substitute for reading the applicable Technical Guidance document.

SECTION 1 – SITE BACKGROUND

The allowable site use is: Commercial or Industrial Use

Have Ecological Resources been identified? no

Is this soil originating from the site? no

How many cubic yards of soil will be imported/reused? 50-100

If greater than 1000 cubic yards will be imported, enter volume to be imported:

SECTION 2 – MATERIAL OTHER THAN SOIL

Is the material to be imported gravel, rock or stone? yes

Does it contain less than 10%, by weight, material that would pass a size 80 sieve? yes

Is this virgin material from a permitted mine or quarry? yes

Is this material recycled concrete or brick from a DEC registered processing facility? no

SECTION 3 - SAMPLING

Provide a brief description of the number and type of samples collected in the space below:

No sampling required - material meets requirement for exemption from chemical testing due to being from a virgin source and less than 10% passing size 80 sieve. The material was used for access road repairs and not otherwise used on the site.

Example Text: 5 discrete samples were collected and analyzed for VOCs. 2 composite samples were collected and analyzed for SVOCs, Inorganics & PCBs/Pesticides.

If the material meets requirements of DER-10 section 5.4(e)5 (other material), no chemical testing needed.

SECTION 3 CONT'D - SAMPLING

Provide a brief written summary of the sampling results or attach evaluation tables (compare to DER-10, Appendix 5):

No sampling required.

Example Text: Arsenic was detected up to 17 ppm in 1 (of 5) samples; the allowable level is 16 ppm.

If Ecological Resources have been identified use the "If Ecological Resources are Present" column in Appendix 5.

SECTION 4 – SOURCE OF FILL

Name of person providing fill and relationship to the source:

Russo Development, Inc., Buyer

Location where fill was obtained:

Wherle Drive, Lancaster, NY

Identification of any state or local approvals as a fill source:

The quarry is a NYSDOT approved source; the source number is 5-3R and the mining permit # is 90018

If no approvals are available, provide a brief history of the use of the property that is the fill source:

The source is a virgin quarry.

Provide a list of supporting documentation included with this request:

Source Letter from New Enterprise Stone and Lime
Sieve Analysis Report

The information provided on this form is accurate and complete.

	4/29/22
Signature	Date
Thomas Palmer	
Print Name	
Groundwater & Environmental Services, Inc.	
Firm	

NEW ENTERPRISE STONE & LIME CO., INC.

500 Como Park Boulevard • Buffalo NY 14227

Office: (716) 826-7310
Fax: (716) 826-1342
Dispatch: (716) 566-9690

April 26th, 2022

Steve Leitten
Russo Development, Inc.

Re: Cherry Farms Access Road

Dear Steve,

The crushed limestone #1 stone and 2" Crusher Run stone that was supplied to the above referenced project was extracted, crushed and screened at our Lancaster, NY facility. The material is produced from a virgin stone source, un-impacted by hazardous materials or contaminants and free of loom, organic matter including clay. The quarry is a NYSDOT approved source; the source number is 5-3R and our mining permit # is 90018.

Sincerely,

Robert Warrington

Western New York Office
5167 South Park Avenue
Hamburg, NY 14075
Phone: (716) 649-8110
Fax: (716) 649-8051

Laboratory Test Report

PROJECT: **Material Testing: New Enterprise Stone & Lime**

CLIENT: **New Enterprise Stone & Lime**

DATE: **March 30, 2018**

PROJECT NO.: BT-17-019
REPORT NO.: LTR-4

SAMPLE INFORMATION:
Sample No. 18-315 was collected by the Client, and received at SJB Services Inc. on March 29, 2018. Sample is described as Size #1 stone material from the New Enterprise Stone & Lime Wehrle Drive Plant 23. Material is for use at the Depew School Project. The results of this report relate only to the items inspected or tested. The report shall not be reproduced, expect in full, without the written approval of SJB Services, Inc.

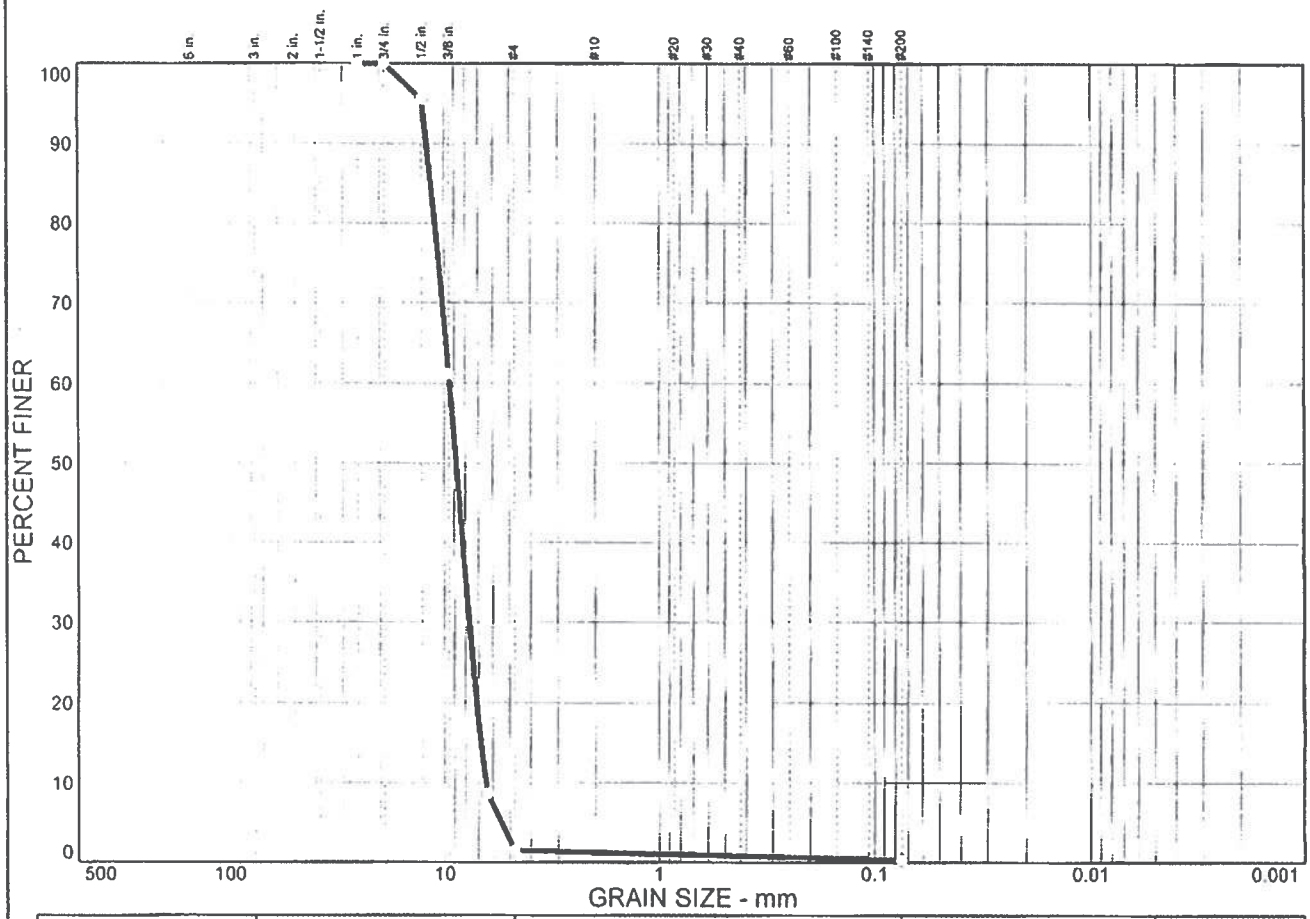
ASTM C-136: Sieve Analysis of Fine and Coarse Aggregates

Sieve Size	*Percent Passing*	**SPECIFICATION NYSDOT Table 703-4 Size #1**
1""	100.0	100 %
¾"	100.0	
½"	95.5	90 – 100 %
⅜"	61.1	
¼"	8.6	0 – 15 %
#4	1.5	
#200	0.3	0 – 1 %

SJB Services, Inc.

Paul Gregorczyk
Laboratory Manager

Particle Size Distribution Report



% COBBLES	% GRAVEL	% SAND	% SILT	% CLAY
0.0	98.5	1.2	0.3	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
1 in.	100.0		
.75 in.	100.0		
.5 in.	95.5		
.375 in.	61.1		
.25 in.	8.6		
#4	1.5		
#200	0.3		

* (no specification provided)

Soil Description

NYSDOT SIZE #1 STONE

Atterberg Limits

PL= LL= PI=

Coefficients

D_{85}= 11.6 D_{60}= 9.45 D_{50}= 8.82
D_{30}= 7.69 D_{15}= 6.82 D_{10}= 6.46
C_u= 1.46 C_c= 0.97

Classification

USCS= AASHTO=

Remarks

LTR-4
SAMPLED BY: NESL
DATE RECEIVED: 3-29-2018

Sample No.: 18-315 **Source of Sample:** NEW ENTERPRISE STONE & LIME **Date:** 3-30-2018
Location: PLANT 23 : WEHRLE DRIVE **Elev./Depth:**

SJB SERVICES, INC.

Client: NEW ENTERPRISE STONE & LIME INC.
Project: MATERIALS TESTING: NEW ENTERPRISE STONE & LIME
Project No: BT-17-019 **Plate**

CME Associates, Inc.

2727 Broadway St., Suite 2
Cheektowaga, New York 14227
(716) 877-9577
(716) 877-9629 (Fax)

www.cmeassociates.com

LAB REPORT SUMMARY

PROJECT: Source Pre-Qualification
CLIENT: NESL
DATE: 4/21/2020

REPORT NO.: 17250L-05R-042120
REPRESENTATIVE: Sam Ferreira

This CME Associates, Inc representative performed a sieve analysis and moisture density test (modified proctor) on a crush stone sample delivered to CME's Buffalo laboratory on 4/15/20 by the client representative.

Structural fill material, should, at a minimum, meet the requirements of the New York State Department of Transportation, Standard Specifications, Item 304.12 and Item 203.07 Select Granular Fill.

Sample No.:	Location:
BL3005	NESL Wehrle Dr., Stockpile 5-3R

MECHANICAL ANALYSIS (ASTM C136, C117)

Sieve Size	Percent Passing by Weight Sample BL3005	NYSDOT Item 304.12 Type II	NYSDOT Item 203.07 Select Granular Fill
2"	100	100	
1"	93		
3/4"	85		
1/2"	66		
3/8"	57		
1/4"	40	25-60	
No. 4	35		
No. 10	19		
No. 40	8	5-40	0 - 70
No. 200	5	0-10	0 - 15

CLASSIFICATION

2" Minus Run-of-Crush Limestone

LABORATORY MOISTURE-DENSITY RELATIONSHIP (ASTM D1557)

Corrected Maximum Dry Density	=	**133.8**	**Pcf**
Corrected Optimum Moisture Content	=	**6.7**	**%**

It is recommended the engineer of record review and comment on the use of this material. Please see attached documents for lab test results.

Feel free to contact this office should you have any questions.

CME Associates, Inc.

2727 Broadway
Suite #2
Buffalo, New York 14227
(716) 877-9577
(716) 877-9629 (Fax)

www.cmeassociates.com

LABORATORY TEST SUMMARY

NESL
Source Pre-Qualification
CME Report Number: 17250L-05R-042120
4/21/2020

The CME Associates Representative obtained a sample at the above referenced project. The sample was delivered to CME's Buffalo facility, an AASHTO[1] accredited laboratory, for a Particle Size Analysis and a Moisture Density Relationship determination. The results are as follow:

1) Material Identification

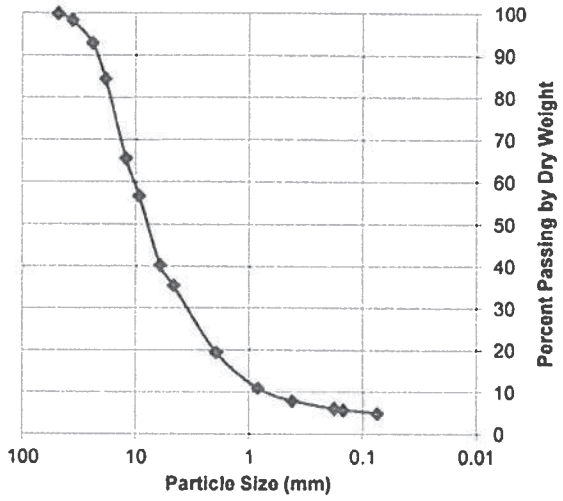
Sample #	Date Sampled	Classification	Source
BL3005	04/15/20	2" Minus Run-of-Crush Limestone	Stockpile 5-3R Wehrle Drive

2) Particle Size Analysis ASTM D422

Sieve Size	Sieve Size (mm)	% Passing by Dry Weight Sample # BL3005
2"	50	100
1-1/2'	37.5	98
1"	25	93
3/4"	19	85
1/2"	12.5	66
3/8"	9.50	57
1/4"	6.25	40
#4	4.75	35
#10	2.00	19
#20	0.850	11
#40	0.425	8
#80	0.180	6
#100	0.150	6
#200	0.075	5

Note: Proposed use of material not provided.

Grain Size Distribution



3) Moisture-Density Relationship (ASTM D-1557: Modified Proctor)

	Sample # BL3005
Corrected Maximum Dry Density (pcf)	= 133.8
Corrected Optimum Moisture Content (%)	= 6.7
Oversized Particles, Percent by Weight (%)	= 15 *

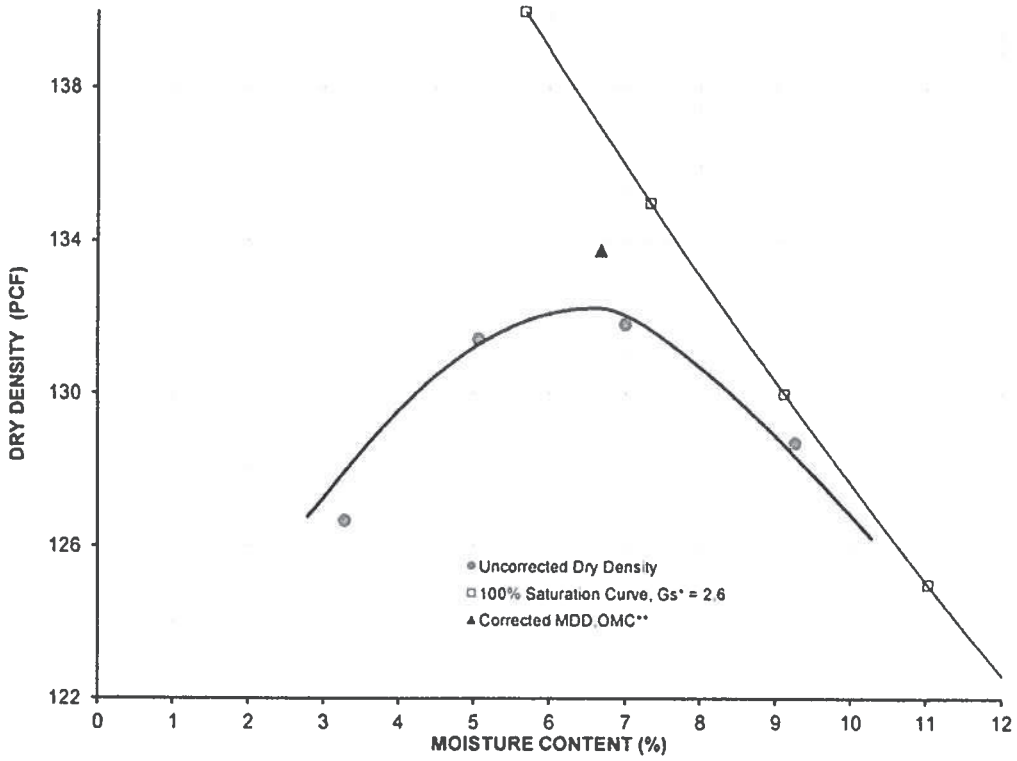
* Particles retained on 3/4-inch sieve

[1]AASHTO - American Association of State Highway & Transportation Officials (AASHTO) Materials Reference Laboratory. CME Buffalo accreditation includes tests of Portland Cement Concrete, Aggregate and Soil Materials. www.aashtoresource.org

LABORATORY TEST SUMMARY
NESL
Source Pre-Qualification
CME Report Number: 17250L-05R-042120

SAMPLE LOCATION:	**Stockpile 5-3R Wehrle Drive**	DATE SAMPLED:	**4/15/20**
SOIL CLASSIFICATION:	**2" Minus Run-of-Crush Limestone**	SAMPLE NO.:	**BL3005**

Moisture - Density Relationship Curve



Particle Size Analysis ASTM D422

Sieve Size	% Passing
2"	100
1-1/2"	98
1"	93
3/4"	85
1/2"	66
3/8"	57
1/4"	40
No.4	35
No.10	19
No.20	11
No.40	8
No.80	6
No.100	6
No.200	5

Test Procedure Information

Test Method: ☑ ASTM D-1557 (Modified) ☐ ASTM D-698 (Standard)
Procedure Used: ☐ A ☐ B ☑ C
Preparation Method: ☐ Dry ☑ Moist
Description of Rammer: ☐ Manual ☑ Mechanical

Test Results

Corrected MDD (PCF) = **133.8**
Corrected OMC (%) = **6.7**

Oversize Fraction by Dry Weight
15 % Retained on ☐ No.4 Sieve ☐ 3/8" Sieve ☑ 3/4" Sieve

* Specific Gravity, estimated
** MDD = Maximum Dry Density, OMC = Optimum Moisture Content
Please feel free to contact our office if you have any questions.

Sam Ferreira
Supervising Laboratory Technician

Appendix G - Waste Manifests

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	NYD038641601	1	800-535-5053	38726

5. Generator's Name and Mailing Address
Cherry Farm PRP Group
4100 River Road
Tonawanda, NY 14150
Generator's Phone: 800-287-7857

Generator's Site Address (if different than mailing address)

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
Facility's Phone: 716.695.6720 — U.S. EPA ID Number: NYR000030809

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non RCRA Non DOT Regulated , (Carbon Filter Media)	001	TT	04500	P	EST Weight 7,48T exact
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information

ERG:	Approval #:	Handling Codes:	24 Hour Emergency Contact:
1 -	1 - X-11620L	1 - None	INFOTRAC (Caller Must ID ESG)
2 -	2 -	2 -	
3 -	3 -	3 -	
4 -	4 -	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/Offeror's Printed/Typed Name: Thomas Dahm on behalf of Cherry Farm PRP Group — Signature: on behalf of Cherry Farm PRP Group — Month 06 Day 02 Year 21

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. — Port of entry/exit:
Transporter Signature (for exports only): — Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Sean P. Winter — Signature: Sean P. Winter — Month 06 Day 02 Year 21

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: Julian Mastropoli — Signature — Month 06 Day 02 Year 21

DESIGNATED FACILITY TO GENERATOR

GENERATOR | INT'L | TRANSPORTER | DESIGNATED FACILITY